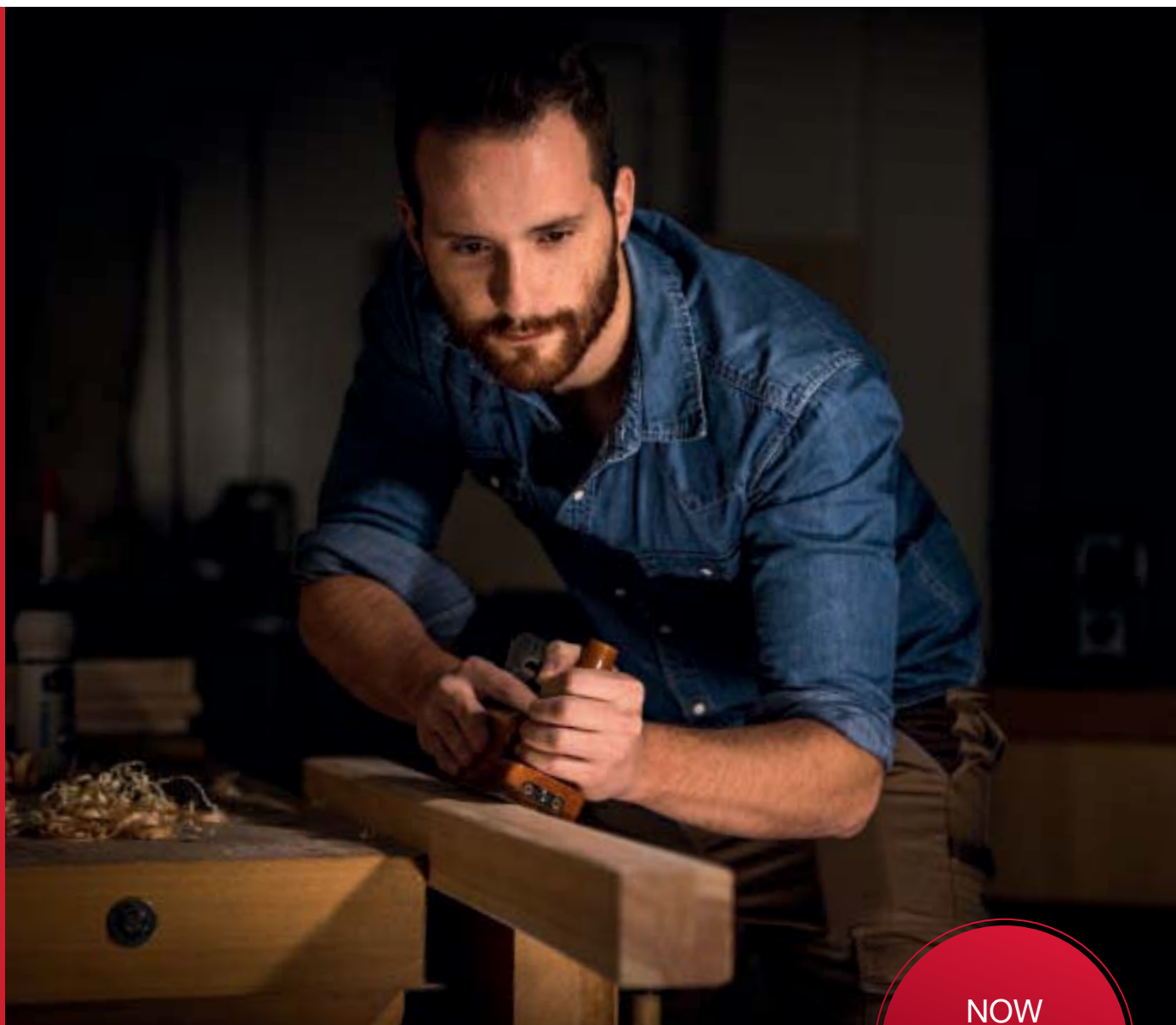


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1 | PRODUCTS
FOR WORKSHOP AND INSTALLATION
CONSUMABLES AND TOOLS 2018

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EVERYDAY PRODUCTS FOR WORKSHOP AND INSTALLATION

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Sibylle Thierer, Managing Director



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Yours sincerely

A handwritten signature in black ink that reads "Sibylle Thierer". The signature is written in a cursive, flowing style.

Sibylle Thierer

CONVENIENT ORDERING, 24/7.



FIXING SCREWS

CONTENTS

FIXING SCREWS

Hospa PZ Chipboard screws



Hospa Jet Chipboard screws



Hospa TS Chipboard screws



Hospa Drilling screws



Decking screw



Spax PZ Chipboard screws



Spax TS Chipboard screws



Wood screws



Häfele Varianta Euro screws



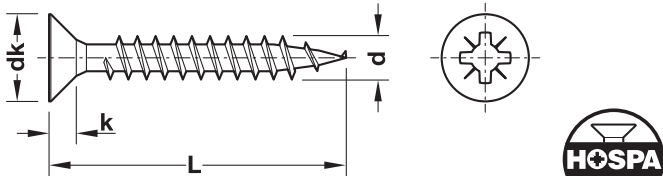
Panel fixing screws**Cover caps****Threaded screws****Inset cups, washers****Wood to metal dowel****Threaded bar****Nuts, washers, cross dowels****Confirmat Cabinet connector**

Countersunk head PZ, fully threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
2.5	5.0	1.6	PZ1
3.0	6.0	1.8	PZ1
3.5	7.0	2.1	PZ2
4.0	8.0	2.4	PZ2
4.5	9.0	2.7	PZ2
5.0	10.0	2.9	PZ2



Dimensions d x L mm	Packing pieces	Galvanized
Orga-Box		
2.5 x 16	1,000	015.31.255
3.0 x 13	1,000	015.31.522
3.0 x 15	1,000	015.31.531
3.0 x 17	1,000	015.31.540
3.0 x 20	1,000	015.31.559
3.0 x 25	1,000	015.31.577
3.0 x 30	1,000	015.31.586
3.0 x 35	1,000	015.31.595
3.0 x 40	500	015.31.602
3.5 x 13	1,000	015.31.620
3.5 x 15	1,000	015.31.639
3.5 x 17	1,000	015.31.648
3.5 x 20	1,000	015.31.657
3.5 x 25	1,000	015.31.675
3.5 x 30	1,000	015.31.684
3.5 x 35	1,000	015.31.693
3.5 x 40	500	015.31.700
3.5 x 45	500	015.31.719
3.5 x 50	500	015.31.728
4.0 x 13	1,000	015.31.824
4.0 x 15	1,000	015.31.826
4.0 x 17	1,000	015.31.835
4.0 x 20	1,000	015.31.844

Dimensions d x L mm	Packing pieces	Galvanized
4.0 x 25	1,000	015.31.853
4.0 x 30	1,000	015.31.862
4.0 x 35	500	015.31.871
4.0 x 40	500	015.31.880
4.0 x 45	500	015.31.899
4.0 x 50	500	015.31.906
4.0 x 55	200	015.31.808
4.5 x 17	1,000	015.31.915
4.5 x 20	1,000	015.31.924
4.5 x 25	1,000	015.31.933
4.5 x 30	1,000	015.31.942
4.5 x 35	500	015.31.951
4.5 x 40	500	015.31.960
4.5 x 45	500	015.31.979
4.5 x 50	200	015.31.988
4.5 x 55	200	015.32.010
5.0 x 20	1,000	015.32.074
5.0 x 25	1,000	015.32.083
5.0 x 30	500	015.32.092
5.0 x 35	500	015.32.109
5.0 x 40	500	015.32.118
5.0 x 45	200	015.32.127
5.0 x 50	200	015.31.997
5.0 x 55	200	015.32.136

Dimensions d x L mm	Packing pieces	Galvanized	Dimensions d x L mm	Packing pieces	Galvanized
Big-Pack			4.0 x 15	8,000	017.31.826
2.5 x 16	10,000	017.31.255	4.0 x 17	8,000	017.31.835
3.0 x 13	10,000	017.31.522	4.0 x 20	8,000	017.31.844
3.0 x 15	10,000	017.31.531	4.0 x 25	8,000	017.31.853
3.0 x 17	10,000	017.31.540	4.0 x 27	5,000	017.31.855
3.0 x 20	10,000	017.31.559	4.0 x 30	5,000	017.31.862
3.0 x 30	10,000	017.31.586	4.0 x 35	5,000	017.31.871
3.5 x 13	10,000	017.31.620	4.0 x 40	4,000	017.31.880
3.5 x 15	10,000	017.31.639	4.0 x 45	3,000	017.31.899
3.5 x 17	10,000	017.31.648	4.0 x 50	3,000	017.31.906
3.5 x 20	10,000	017.31.657	4.5 x 25	5,000	017.31.933
3.5 x 22	10,000	017.31.660	4.5 x 30	5,000	017.31.942
3.5 x 25	8,000	017.31.675	4.5 x 35	3,000	017.31.951
3.5 x 30	8,000	017.31.684	4.5 x 40	3,000	017.31.960
3.5 x 35	8,000	017.31.693	4.5 x 50	2,000	017.31.988
3.5 x 40	5,000	017.31.700	5.0 x 20	5,000	017.32.074
3.5 x 50	5,000	017.31.728	5.0 x 50	2,000	017.31.997

Cover caps ▶ MT 1.33
 Bits and accessories ▶ MT 6.23

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

THE ORGA-BOX AS PRACTICAL PACKAGING



- Orga-Box with tilting lid and snap fastener
- Label as direction sign
- Big-Pack the big box for large quantities

Screw dimensions

Hospa

5,0 x 55

015.32.136

Cat. No.

Screw head symbol

Large screw drawing for preselection

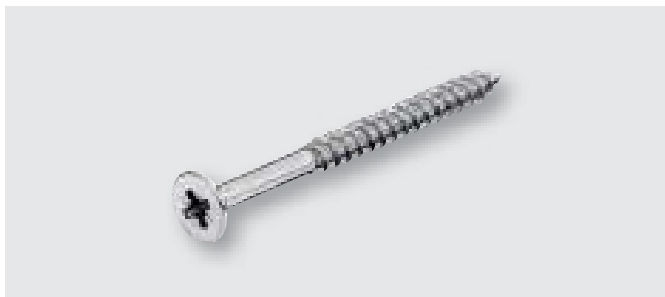
HAFELE

Hospa-Schrb. Fl verz. 5.0x55mm
 Vis Hospa if zinguee 5.0x55mm
 Hospa screw CS galv. 5.0x55mm
 Tor.Hospa pl.galv. 5.0x55mm

4 1015643 022735

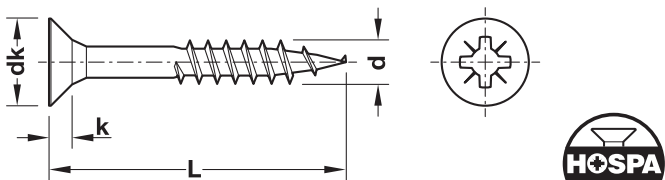
Quantity 200

Countersunk head PZ, partially threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	1.8	PZ1
4.0	8.0	2.4	PZ2
4.5	9.0	2.7	PZ2
5.0	10.0	2.9	PZ2
6.0	12.0	3.4	PZ3

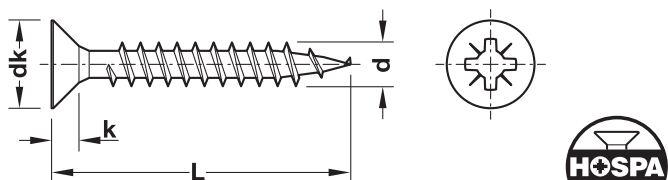


Dimensions d x L mm	Packing pieces	Galvanized
Orga-Box		
3.0 x 30	1,000	015.41.582
4.0 x 35	500	015.41.877
4.0 x 40	500	015.41.886
4.0 x 50	500	015.41.902
4.0 x 60	200	015.41.920
4.0 x 70	200	015.41.939
4.5 x 40	500	015.41.966
4.5 x 50	200	015.41.984
4.5 x 60	200	015.42.007
4.5 x 70	200	015.42.034
4.5 x 80	200	015.42.043
5.0 x 50	200	015.42.132
5.0 x 60	200	015.42.141
5.0 x 65	200	015.42.150
5.0 x 70	200	015.42.169
5.0 x 80	100	015.42.178
5.0 x 90	100	015.42.187

Dimensions d x L mm	Packing pieces	Galvanized
5.0 x 100	100	015.42.196
5.0 x 110	100	015.42.197
5.0 x 120	100	015.42.198
6.0 x 50	200	015.42.347
6.0 x 60	200	015.42.356
6.0 x 70	100	015.42.365
6.0 x 80	100	015.42.374
6.0 x 90	100	015.42.383
6.0 x 100	100	015.42.392
6.0 x 120	100	015.42.418
6.0 x 140	100	015.42.436
6.0 x 160	100	015.42.454
6.0 x 180	100	015.42.472
Big-Pack		
4.0 x 35	5,000	017.41.877
4.0 x 60	3,000	017.41.920
5.0 x 60	2,000	017.42.141
5.0 x 70	2,000	017.42.169

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

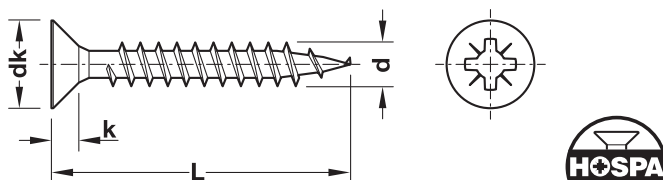
Countersunk head PZ, fully threaded, for hardware fittings/concealed hinges



Steel nickel plated or galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
2.5	5.0	1.6	PZ1
3.0	5.0	1.8	PZ1
3.5	7.0	2.1	PZ2
4.0	8.0	2.4	PZ2

Countersunk head PZ, fully threaded



Steel burnished or galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	1.8	PZ1
3.5	7.0	2.1	PZ2
4.0	8.0	2.4	PZ2
4.5	9.0	2.7	PZ2

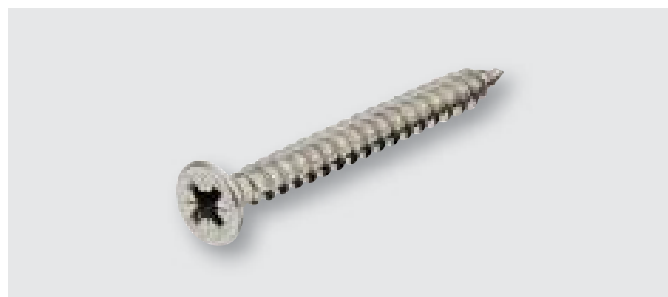
Dimensions d x L mm	Packing pieces	Nickel plated	Galvanized
Orga-Box			
2.5 x 16	1,000	015.35.253	–
3.0 x 13	1,000	–	015.31.326
3.0 x 15	1,000	015.35.333	015.31.335
3.0 x 17	1,000	–	015.31.344
3.5 x 15	1,000	015.35.637	–
3.5 x 17	1,000	015.35.646	–
3.5 x 20	1,000	015.35.655	–
4.0 x 15	1,000	015.35.824	–
4.0 x 17	1,000	015.35.833	–
4.0 x 20	1,000	015.35.842	–
Big-Pack			
3.5 x 15	10,000	017.35.637	–
4.0 x 15	8,000	017.35.824	–

Dimensions d x L mm	Packing pieces	Burnished	Black galvanized
Orga-Box			
3.0 x 15	1,000	015.39.537	–
3.0 x 17	1,000	015.39.546	015.39.548
3.0 x 20	1,000	015.39.555	–
3.0 x 25	1,000	015.39.573	–
3.5 x 15	1,000	015.39.635	–
3.5 x 17	1,000	015.39.644	015.39.648
3.5 x 20	1,000	015.39.653	–
3.5 x 25	1,000	015.39.671	–
3.5 x 30	1,000	015.39.680	–
4.0 x 17	1,000	015.39.831	015.39.838
4.0 x 20	1,000	015.39.840	–
4.0 x 25	1,000	015.39.859	–
4.0 x 30	1,000	015.39.868	–
4.0 x 35	500	015.39.877	–
4.0 x 40	500	015.39.886	–
4.5 x 20	1,000	–	015.39.928

Cover caps ▶ MT 1.33

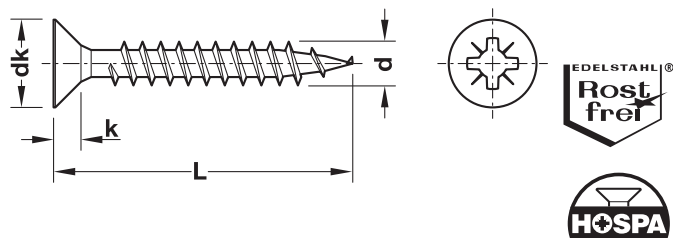
Bits and accessories ▶ MT 6.23

Countersunk head PZ, fully threaded – stainless steel



Stainless steel
Quality: A2/AISI 304/305

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	1.5	PZ1
3.5	7.0	1.75	PZ2
4.0	8.0	2.0	PZ2
4.5	9.0	2.25	PZ2
5.0	10.0	2.5	PZ2
6.0	12.0	3.0	PZ3

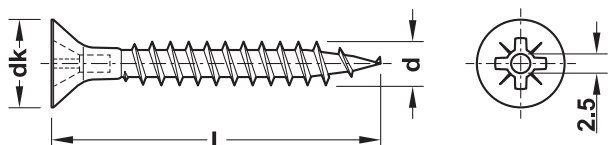


Dimensions d x L mm	Packing pieces	Cat. No.
3.0 x 12	1,000	014.70.520
3.0 x 16	500	014.70.542
3.0 x 20	500	014.70.551
3.0 x 25	1,000	014.70.570
3.0 x 30	1,000	014.70.580
3.0 x 35	1,000	014.70.590
3.5 x 16	500	014.70.631
3.5 x 20	1,000	014.70.659
3.5 x 25	500	014.70.677
3.5 x 30	1,000	014.70.686
3.5 x 35	1,000	014.70.690
3.5 x 40	1,000	014.70.702
4.0 x 16	500	014.70.830
4.0 x 20	500	014.70.846
4.0 x 25	500	014.70.855
4.0 x 30	500	014.70.864
4.0 x 35	500	014.70.873
4.0 x 40	500	014.70.882

Dimensions d x L mm	Packing pieces	Cat. No.
4.0 x 45	500	014.70.891
4.0 x 50	500	014.70.908
4.0 x 60	500	014.70.920
4.0 x 70	200	014.70.940
4.5 x 20	500	014.70.950
4.5 x 30	500	014.70.954
4.5 x 35	500	014.70.956
4.5 x 40	200	014.70.958
4.5 x 45	200	014.70.960
4.5 x 50	200	014.70.962
4.5 x 60	200	014.70.964
5.0 x 25	200	014.71.080
5.0 x 35	200	014.71.101
5.0 x 45	200	014.71.128
5.0 x 50	200	014.71.139
5.0 x 60	100	014.71.148
5.0 x 70	100	014.71.156
5.0 x 80	100	014.71.165

Cover caps ▶ MT 1.33
Bits and accessories ▶ MT 6.23

Countersunk head PZ, fully threaded, with central hole



Steel, galvanized
With central hole 2.5 mm for secure grip of cover caps



Thread Ø d mm	Head Ø dk mm	Drive
4.5	9.0	PZ2
5.0	10.0	PZ2

Dimensions d x L mm	Packing pieces	Cat. No.
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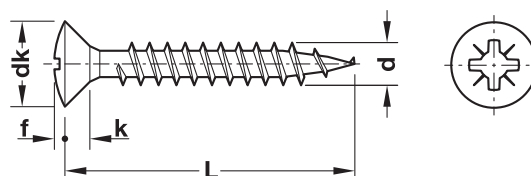
Orga-Box

4.5 x 25	1,000	015.01.935
4.5 x 30	1,000	015.01.944
4.5 x 35	500	015.01.953
4.5 x 40	500	015.01.962
4.5 x 45	500	015.01.971
4.5 x 50	200	015.01.980
4.5 x 60	200	015.01.981
4.5 x 70	200	015.01.982
4.5 x 80	200	015.01.983
5.0 x 80	200	015.01.992

Big-Pack

4.5 x 30	5,000	017.01.944
4.5 x 35	3,000	017.01.953
4.5 x 50	2,000	017.01.980

Raised countersunk head PZ, fully threaded



Steel, galvanized, nickel plated



Thread Ø d mm	Head Ø dk mm	Head height k mm	Head size f mm	Drive
3.0	6.0	1.8	0.7	PZ1
3.5	7.0	2.1	1.0	PZ2
4.0	8.0	2.4	1.0	PZ2

Dimensions d x L mm	Packing pieces	Galvanized	Nickel plated
---------------------	----------------	------------	---------------

Orga-Box

3.0 x 17	1,000	015.51.542	–
3.0 x 20	1,000	–	015.55.559
3.0 x 25	1,000	–	015.55.577
3.0 x 30	1,000	–	015.55.586
3.5 x 15	1,000	015.51.631	015.55.639
3.5 x 17	1,000	015.51.640	015.55.648
3.5 x 20	1,000	015.51.659	015.55.657
3.5 x 25	1,000	–	015.55.675
3.5 x 30	1,000	015.51.686	015.55.684
3.5 x 35	1,000	015.51.695	015.55.693
4.0 x 17	1,000	015.51.837	–
4.0 x 20	1,000	015.51.846	015.55.844
4.0 x 25	1,000	015.51.855	015.55.853
4.0 x 30	1,000	–	015.55.862
4.0 x 35	500	015.51.873	015.55.871
4.0 x 40	500	015.51.882	015.55.880

Cover caps ▶ MT 1.33

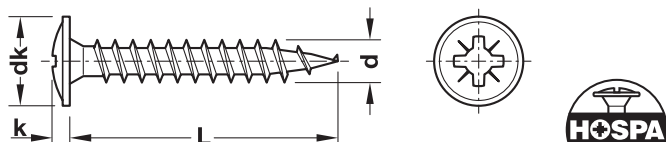
Bits and accessories ▶ MT 6.23

Flat head rear panel screw PZ, fully threaded or partially threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	7.8	1.5	PZ1
3.5	8.5	1.8	PZ2
4.0	9.5	1.9	PZ2



Dimensions d x L mm	Thread	Packing pieces	Cat. No.
Orga-Box			
3.0 x 20	Fully threaded	1,000	016.10.555
3.0 x 25	Fully threaded	1,000	016.10.573
3.0 x 30	Fully threaded	1,000	016.10.582
3.5 x 15	Fully threaded	1,000	016.10.620
3.5 x 17	Fully threaded	1,000	016.10.630
3.5 x 25	Fully threaded	1,000	016.10.671
3.5 x 30	Fully threaded	1,000	016.10.680
3.5 x 35	Fully threaded	1,000	016.10.699
4.0 x 20	Fully threaded	1,000	016.10.840
4.0 x 25	Fully threaded	1,000	016.10.859
4.0 x 30	Partially threaded	1,000	016.10.869
4.0 x 30	Fully threaded	1,000	016.10.868
4.0 x 35	Fully threaded	500	016.10.877
4.0 x 40	Fully threaded	500	016.10.886

Dimensions d x L mm	Thread	Packing pieces	Cat. No.
Big-Pack			
3.0 x 20	Fully threaded	5,000	016.20.555
4.0 x 12	Fully threaded	5,000	016.20.817
4.0 x 15	Fully threaded	5,000	016.20.820
4.0 x 20	Fully threaded	5,000	016.20.840
4.0 x 23	Fully threaded	5,000	016.20.845
4.0 x 25	Fully threaded	5,000	016.20.859
4.0 x 27	Fully threaded	10,000	016.20.865
4.0 x 30	Fully threaded	5,000	016.20.868

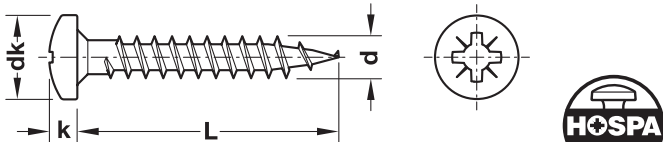
Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Pan head PZ, fully threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	2.4	PZ1
3.5	7.0	2.5	PZ2
4.0	8.0	2.9	PZ2
4.5	9.0	3.2	PZ2
5.0	10.0	3.5	PZ2



Dimensions d x L mm	Packing pieces	Cat. No.
Orga-Box		
3.0 x 13	1,000	015.71.526
3.0 x 15	1,000	015.71.535
3.0 x 17	1,000	015.71.544
3.0 x 20	1,000	015.71.553
3.0 x 25	1,000	015.71.571
3.5 x 13	1,000	015.71.624
3.5 x 15	1,000	015.71.633
3.5 x 17	1,000	015.71.642
3.5 x 20	1,000	015.71.651
3.5 x 25	1,000	015.71.679
3.5 x 30	1,000	015.71.688
3.5 x 35	1,000	015.71.697
4.0 x 13	1,000	015.71.811
4.0 x 15	1,000	015.71.820
4.0 x 16	1,000	015.71.833
4.0 x 17	1,000	015.71.839
4.0 x 20	1,000	015.71.848
4.0 x 25	1,000	015.71.857
4.0 x 30	1,000	015.71.866
4.0 x 35	500	015.71.875
4.0 x 40	500	015.71.884
4.5 x 13	1,000	015.71.900
4.5 x 15	1,000	015.71.919

Dimensions d x L mm	Packing pieces	Cat. No.
4.5 x 17	1,000	015.71.991
4.5 x 20	1,000	015.71.928
4.5 x 25	1,000	015.71.937
4.5 x 30	500	015.71.946
4.5 x 35	500	015.71.955
5.0 x 17	1,000	015.72.050
5.0 x 20	1,000	015.72.078
5.0 x 25	1,000	015.72.080
5.0 x 30	500	015.72.096
5.0 x 40	500	015.72.112
5.0 x 50	200	015.72.130

Big-Pack		
Dimensions d x L mm	Packing pieces	Cat. No.
3.0 x 13	10,000	017.71.526
3.5 x 13	10,000	017.71.624
3.5 x 15	10,000	017.71.633
4.0 x 13	8,000	017.71.811
4.0 x 15	8,000	017.71.820
4.0 x 17	8,000	017.71.839
4.0 x 20	8,000	017.71.848
4.0 x 25	5,000	017.71.857
4.0 x 30	5,000	017.71.866
4.0 x 40	3,000	017.71.884
4.5 x 17	5,000	017.71.991

Cover caps ► MT 1.33

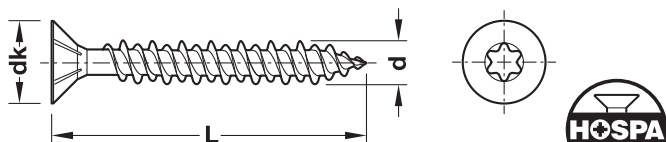
Bits and accessories ► MT 6.23

Hospa Jet Countersunk head TS, fully threaded



Steel galvanized, reinforced head prevents snapping off, high/low thread increases the speed of insertion, routed ribs for countersinking in material, increased pull-out resistance, for universal use

Thread Ø d mm	Head Ø dk mm	Drive
3.0	6.0	TS15
3.5	7.0	TS20
4.0	8.0	TS20
4.5	9.0	TS20
5.0	10.0	TS20



Dimensions d x L mm	Packing pieces	Cat. No.
3.0 x 13	1,000	017.91.012
3.0 x 15	1,000	017.91.013
3.0 x 17	1,000	017.91.015
3.0 x 20	1,000	017.91.016
3.0 x 25	1,000	017.91.019
3.0 x 30	1,000	017.91.021
3.0 x 35	1,000	017.91.023
3.5 x 13	1,000	017.91.042
3.5 x 15	1,000	017.91.043
3.5 x 17	1,000	017.91.045
3.5 x 20	1,000	017.91.046
3.5 x 25	1,000	017.91.049
3.5 x 30	1,000	017.91.051
3.5 x 35	1,000	017.91.053
3.5 x 40	500	017.91.054
4.0 x 15	1,000	017.91.073
4.0 x 17	1,000	017.91.075
4.0 x 20	1,000	017.91.076

Dimensions d x L mm	Packing pieces	Cat. No.
4.0 x 25	1,000	017.91.079
4.0 x 30	1,000	017.91.081
4.0 x 35	500	017.91.083
4.0 x 40	500	017.91.084
4.0 x 45	500	017.91.085
4.0 x 50	500	017.91.086
4.5 x 20	1,000	017.91.106
4.5 x 25	1,000	017.91.109
4.5 x 30	1,000	017.91.111
4.5 x 35	500	017.91.113
4.5 x 40	500	017.91.114
4.5 x 45	500	017.91.115
4.5 x 50	200	017.91.116
5.0 x 25	1,000	017.91.139
5.0 x 30	500	017.91.141
5.0 x 35	500	017.91.143
5.0 x 40	500	017.91.144
5.0 x 50	200	017.91.146

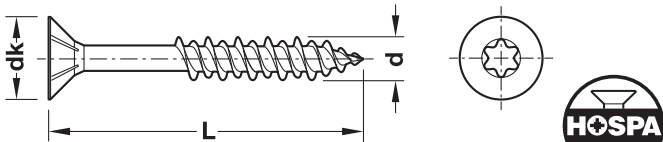
Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Hospa Jet Countersunk head TS, partially threaded



Steel galvanized, reinforced head prevents snapping off, high/low thread increases the speed of insertion, routed ribs for countersinking in material, increased pull-out resistance, for universal use

Thread Ø d mm	Head Ø dk mm	Drive
3.0	6.0	TS15
3.5	7.0	TS20
4.0	8.0	TS20
4.5	9.0	TS20
5.0	10.0	TS20
6.0	12.0	TS30



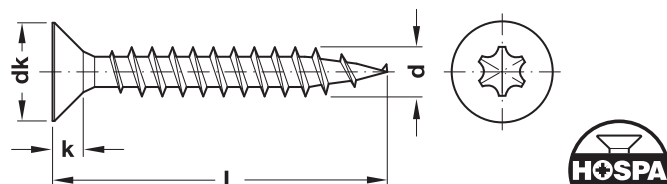
Dimensions d x L mm	Packing pieces	Cat. No.
3.0 x 25	1,000	017.91.219
3.0 x 30	1,000	017.91.221
3.0 x 35	1,000	017.91.223
3.0 x 40	500	017.91.224
3.5 x 20	1,000	017.91.246
3.5 x 30	1,000	017.91.251
3.5 x 35	1,000	017.91.253
3.5 x 40	500	017.91.254
3.5 x 45	500	017.91.255
3.5 x 50	500	017.91.256
4.0 x 25	1,000	017.91.279
4.0 x 30	1,000	017.91.281
4.0 x 35	500	017.91.283
4.0 x 40	500	017.91.284
4.0 x 45	500	017.91.285
4.0 x 50	500	017.91.286
4.0 x 55	200	017.91.287
4.0 x 60	200	017.91.288
4.0 x 70	200	017.91.290
4.5 x 35	500	017.91.313
4.5 x 40	500	017.91.314
4.5 x 45	500	017.91.315
4.5 x 50	200	017.91.316
4.5 x 55	200	017.91.317

Dimensions d x L mm	Packing pieces	Cat. No.
4.5 x 60	200	017.91.318
4.5 x 70	200	017.91.320
4.5 x 80	200	017.91.321
5.0 x 35	500	017.91.343
5.0 x 40	500	017.91.344
5.0 x 45	200	017.91.345
5.0 x 50	200	017.91.346
5.0 x 55	200	017.91.347
5.0 x 60	200	017.91.348
5.0 x 70	200	017.91.350
5.0 x 80	100	017.91.351
5.0 x 90	100	017.91.352
5.0 x 100	100	017.91.353
5.0 x 120	100	017.91.355
6.0 x 50	200	017.91.376
6.0 x 60	200	017.91.378
6.0 x 70	100	017.91.380
6.0 x 80	100	017.91.381
6.0 x 90	100	017.91.382
6.0 x 100	100	017.91.383
6.0 x 120	100	017.91.385
6.0 x 130	100	017.91.386
6.0 x 150	100	017.91.388
6.0 x 180	100	017.91.391

Cover caps ▶ MT 1.33
 Bits and accessories ▶ MT 6.23

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Countersunk head TS, fully threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
2.5	5.0	1.5	TS10
3.0	6.0	1.5	TS10
3.5	7.0	1.75	TS10
4.0	8.0	2.0	TS20
4.5	9.0	2.25	TS20
5.0	10.0	2.5	TS25
6.0	12.0	3.0	TS30

Dimensions d x L mm	Packing pieces	Cat. No.
2.5 x 16	1,000	015.46.004
3.0 x 16	1,000	015.46.054
3.0 x 20	1,000	015.46.056
3.0 x 25	1,000	015.46.059
3.0 x 30	1,000	015.46.061
3.0 x 45	1,000	015.46.065
3.5 x 12	1,000	015.46.081
3.5 x 16	1,000	015.46.084
3.5 x 20	1,000	015.46.086
3.5 x 25	1,000	015.46.089
3.5 x 30	1,000	015.46.091
3.5 x 45	1,000	015.46.095
3.5 x 50	500	015.46.096
4.0 x 16	1,000	015.46.114
4.0 x 20	1,000	015.46.116

Dimensions d x L mm	Packing pieces	Cat. No.
4.0 x 25	1,000	015.46.119
4.0 x 30	1,000	015.46.121
4.0 x 50	500	015.46.126
4.5 x 20	1,000	015.46.146
4.5 x 25	1,000	015.46.149
4.5 x 30	1,000	015.46.151
4.5 x 50	500	015.46.156
5.0 x 20	1,000	015.46.176
5.0 x 25	1,000	015.46.179
5.0 x 30	500	015.46.181
5.0 x 40	500	015.46.184
5.0 x 60	200	015.46.188
5.0 x 80	100	015.46.191
6.0 x 40	200	015.46.214
6.0 x 60	200	015.46.218

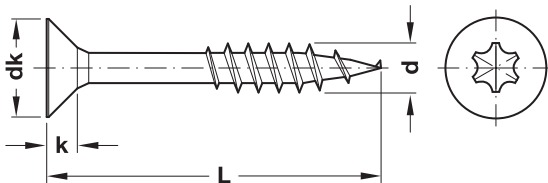
Cover caps ▶ MT 1.33
 Bits and accessories ▶ MT 6.23

Countersunk head TS, partially threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
2.5	5.0	1.5	TS10
3.0	6.0	1.5	TS10
3.5	7.0	1.75	TS10
4.0	8.0	2.0	TS20
4.5	9.0	2.25	TS20
5.0	10.0	2.5	TS25
6.0	12.0	3.0	TS30



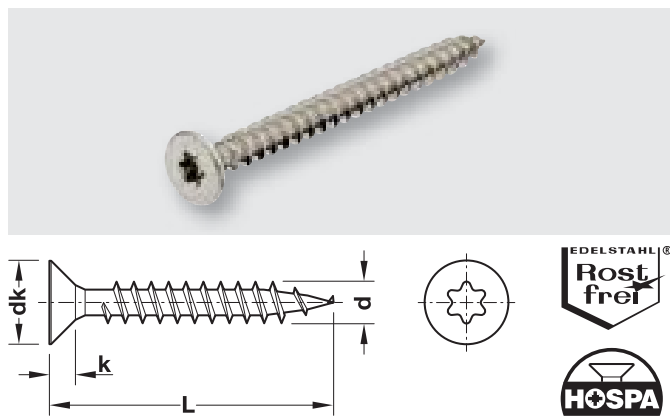
Dimensions d x L mm	Packing pieces	Cat. No.
3.5 x 35	1,000	015.46.393
3.5 x 40	1,000	015.46.394
4.0 x 35	1,000	015.46.423
4.0 x 40	1,000	015.46.424
4.0 x 45	500	015.46.425
4.0 x 50	500	015.46.426
4.0 x 60	500	015.46.428
4.0 x 70	500	015.46.430
4.5 x 35	500	015.46.453
4.5 x 40	500	015.46.454
4.5 x 45	500	015.46.455
5.0 x 35	500	015.46.483
5.0 x 40	500	015.46.484
5.0 x 50	200	015.46.486
5.0 x 60	200	015.46.488

Dimensions d x L mm	Packing pieces	Cat. No.
5.0 x 65	200	015.46.489
5.0 x 70	200	015.46.490
5.0 x 80	100	015.46.491
5.0 x 90	100	015.46.492
5.0 x 100	100	015.46.493
6.0 x 50	200	015.46.516
6.0 x 60	200	015.46.518
6.0 x 70	100	015.46.520
6.0 x 80	100	015.46.521
6.0 x 90	100	015.46.522
6.0 x 100	100	015.46.523
6.0 x 120	100	015.46.525
6.0 x 140	100	015.46.527
6.0 x 160	100	015.46.529
6.0 x 180	100	015.46.530

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Countersunk head TS, fully threaded or partially threaded



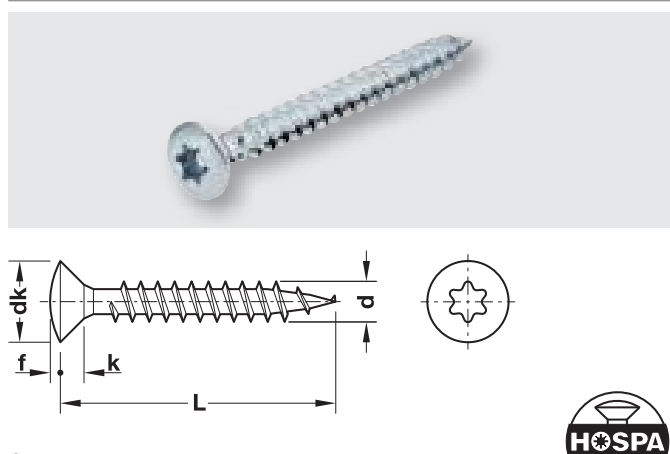
Stainless steel, quality A2

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	1.5	TS10
3.5	7.0	1.75	TS10
4.0	8.0	2.0	TS20
4.5	9.0	2.25	TS20
5.0	10.0	2.5	TS25
6.0	12.0	3.0	TS30

Dimensions d x L mm	Thread	Packing pieces	Cat. No.
3.0 x 16	Fully threaded	1,000	014.72.024
3.0 x 25	Fully threaded	1,000	014.72.029
3.0 x 30	Fully threaded	1,000	014.72.031
3.5 x 16	Fully threaded	1,000	014.72.044
3.5 x 25	Partially threaded	1,000	014.72.049
3.5 x 30	Fully threaded	1,000	014.72.051
3.5 x 35	Partially threaded	500	014.82.053
3.5 x 40	Partially threaded	500	014.82.054
4.0 x 16	Fully threaded	500	014.72.064
4.0 x 20	Fully threaded	500	014.72.066
4.0 x 30	Fully threaded	500	014.72.071
4.0 x 40	Fully threaded	500	014.72.074
4.0 x 45	Fully threaded	500	014.72.075
4.0 x 50	Fully threaded	500	014.72.076
4.5 x 20	Fully threaded	500	014.72.086

Dimensions d x L mm	Thread	Packing pieces	Cat. No.
4.5 x 25	Fully threaded	500	014.72.089
4.5 x 30	Fully threaded	500	014.72.091
4.5 x 35	Fully threaded	500	014.72.093
4.5 x 45	Fully threaded	200	014.72.095
4.5 x 50	Partially threaded	200	014.82.096
4.5 x 60	Partially threaded	200	014.82.098
4.5 x 70	Partially threaded	200	014.82.100
5.0 x 25	Fully threaded	200	014.72.139
5.0 x 30	Fully threaded	200	014.72.141
5.0 x 40	Fully threaded	200	014.72.143
5.0 x 50	Fully threaded	200	014.72.145
5.0 x 60	Fully threaded	200	014.72.147
5.0 x 70	Fully threaded	200	014.72.149
5.0 x 80	Fully threaded	200	014.72.151

Raised countersunk head TS, fully threaded



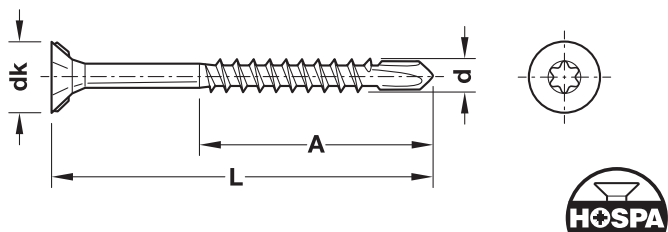
Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head size k mm	Head size f mm	Drive
3.0	6.0	1.8	0.77	TS10
3.5	7.0	2.0	0.88	TS15
4.0	8.0	2.35	1.02	TS15

Dimensions d x L mm	Packing pieces	Cat. No.
Orga-Box		
3.5 x 17	1,000	015.52.640
3.5 x 20	1,000	015.52.659
3.5 x 25	1,000	015.52.677
3.5 x 30	1,000	015.52.686
3.5 x 35	1,000	015.52.695
4.0 x 35	1,000	015.52.873
4.0 x 40	500	015.52.882

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Countersunk head with routed ribs, TS, partially threaded chipboard screw with drill point

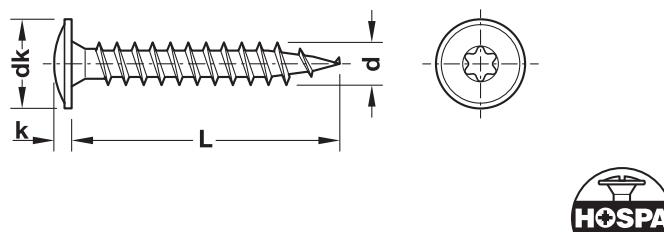


Hardened steel, galvanized, pilot drilling not required, particularly suitable for MDF boards, coated and non-coated chipboard, hardwood and solid wood corner connections, front edge fixing, TS T-star drive

Thread Ø d mm	Head Ø dk mm	Drive
4.0	8.0	TS20
4.5	9.0	TS20
5.0	10.0	TS25

Dimensions d x L mm	Dim. A mm	Packing pieces	Cat. No.
4.0 x 25	17	1,000	019.01.900
4.0 x 30	20	1,000	019.01.901
4.0 x 35	25	1,000	019.01.902
4.0 x 40	30	500	019.01.903
4.0 x 45	30	500	019.01.904
4.0 x 50	35	500	019.01.905
4.0 x 60	40	500	019.01.907
4.0 x 70	40	200	019.01.908
4.5 x 50	35	500	019.01.923
4.5 x 60	40	200	019.01.924
5.0 x 50	35	500	019.01.941
5.0 x 60	40	200	019.01.942
5.0 x 70	50	200	019.01.943
5.0 x 80	50	200	019.01.944

Flat head rear panel screw TS, fully threaded



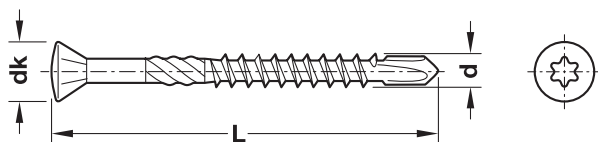
Steel galvanized
Packing: 1,000 pieces

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	7.8	1.5	TS10
3.5	8.5	1.8	TS15
4.0	9.5	1.9	TS20

Dimensions d x L mm	Cat. No.
3.0 x 20	016.16.902
3.0 x 25	016.16.903
3.0 x 30	016.16.904
3.5 x 25	016.16.912
3.5 x 30	016.16.914
3.5 x 35	016.16.913
4.0 x 30	016.16.929
4.0 x 35	016.16.930

Cover caps ▶ MT 1.33
Bits and accessories ▶ MT 6.23

Glass fixing profile screw decorative finial TS, partially threaded with drill point

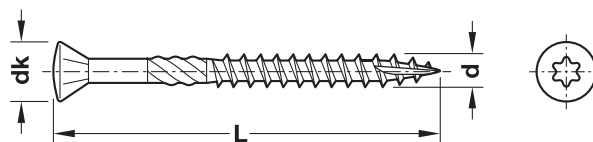


With drill point, stainless steel, steel brass plated, especially suitable for glass profiles and skirting

Thread Ø d mm	Head Ø dk mm	T-star drive size
3.2	5.0	TS10

Dimensions d x L mm	Packing pieces	Stainless steel	Steel, brass plated
3.2 x 25	1,000	010.91.001	010.91.511
3.2 x 30	1,000	010.91.002	010.91.512
3.2 x 35	1,000	010.91.003	010.91.513
3.2 x 40	1,000	010.91.004	010.91.514
3.2 x 50	1,000	010.91.005	010.91.515
3.2 x 60	1,000/500	010.91.006	010.91.516

Decking screw TS, partially threaded with drill point



Stainless steel A2 hardened, for attachment of hard wood, 60 % higher breaking torque, piercing point eliminates the need for pilot drilling

Thread Ø d mm	Head Ø dk mm	T-star drive size
5.0	7.5	TS25

Dimensions d x L mm	Packing pieces	Cat. No.
5.0 x 50	200	010.96.066
5.0 x 60	200	010.96.068
5.0 x 70	200	010.96.070
5.0 x 80	200	010.96.071

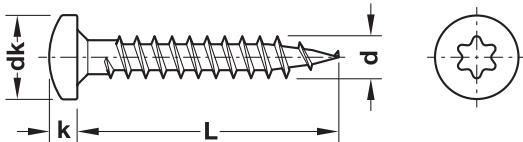
Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Pan head TS, fully threaded



Steel galvanized

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	2.2	TS10
3.5	7.0	2.6	TS15
4.0	8.0	2.8	TS15
4.5	9.0	3.05	TS25
5.0	10.0	3.55	TS25
6.0	12.0	4.0	TS30



Dimensions d x L mm	Packing pieces	Cat. No.
Orga-Box		
3.0 x 13	1,000	015.73.526
3.0 x 15	1,000	015.73.535
3.0 x 17	1,000	015.73.544
3.0 x 20	1,000	015.73.553
3.0 x 25	1,000	015.73.571
3.5 x 13	1,000	015.73.624
3.5 x 15	1,000	015.73.633
3.5 x 17	1,000	015.73.642
3.5 x 20	1,000	015.73.651
3.5 x 25	1,000	015.73.679
3.5 x 30	1,000	015.73.688
3.5 x 35	1,000	015.73.697
4.0 x 15	1,000	015.73.820
4.0 x 17	1,000	015.73.839
4.0 x 20	1,000	015.73.848
4.0 x 25	1,000	015.73.857

Dimensions d x L mm	Packing pieces	Cat. No.
4.0 x 30	1,000	015.73.866
4.0 x 35	500	015.73.875
4.0 x 40	500	015.73.884
4.5 x 20	1,000	015.73.928
4.5 x 25	1,000	015.73.937
4.5 x 30	500	015.73.946
4.5 x 35	500	015.73.955
4.5 x 50	500	015.73.961
5.0 x 17	1,000	015.74.050
5.0 x 20	1,000	015.74.078
5.0 x 30	500	015.74.096
5.0 x 40	500	015.74.112
5.0 x 50	200	015.74.130
5.0 x 60	200	015.74.132
6.0 x 40	200	015.74.154
6.0 x 60	200	015.74.158
6.0 x 70	200	015.74.160

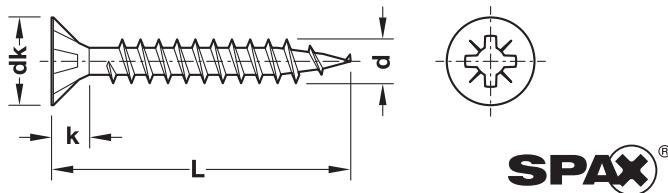
Cover caps	▶ MT 1.33
Bits and accessories	▶ MT 6.23

Countersunk head PZ, fully threaded



Steel galvanized,
4CUT tip with patented wave profile and multi-head
Approval: Building regulations approved Z-9.1-235

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
2.5	5.0	1.6	PZ1
3.0	6.0	1.8	PZ1
3.5	7.0	2.1	PZ2
4.0	8.0	2.4	PZ2
4.5	9.0	2.7	PZ2
5.0	10.0	2.9	PZ2
6.0	12.0	3.4	PZ3



Dimensions d x L mm	Packing pieces	Cat. No.
2.5 x 10	1,000	018.00.000
2.5 x 12	1,000	018.00.001
2.5 x 16	1,000	018.00.004
2.5 x 20	1,000	018.00.006
2.5 x 25	1,000	018.00.009
3.0 x 10	1,000	018.00.050
3.0 x 12	1,000	018.00.051
3.0 x 13	1,000	018.00.052
3.0 x 15	1,000	018.00.053
3.0 x 16	1,000	018.00.054
3.0 x 17	1,000	018.00.055
3.0 x 20	1,000	018.00.056
3.0 x 25	1,000	018.00.059
3.0 x 30	1,000	018.00.061
3.0 x 35	1,000	018.00.063
3.0 x 40	1,000	018.00.064
3.0 x 45	1,000	018.00.065
3.5 x 10	1,000	018.00.080
3.5 x 12	1,000	018.00.081
3.5 x 13	1,000	018.00.082
3.5 x 15	1,000	018.00.083
3.5 x 16	1,000	018.00.084
3.5 x 17	1,000	018.00.085
3.5 x 20	1,000	018.00.086
3.5 x 22	1,000	018.00.087
3.5 x 25	1,000	018.00.089
3.5 x 30	1,000	018.00.091
3.5 x 35	1,000	018.00.093
3.5 x 40	1,000	018.00.094
3.5 x 45	1,000	018.00.095
3.5 x 50	500	018.00.096
4.0 x 12	1,000	018.00.111
4.0 x 13	1,000	018.00.112
4.0 x 15	1,000	018.00.113
4.0 x 16	1,000	018.00.114

Dimensions d x L mm	Packing pieces	Cat. No.
4.0 x 17	1,000	018.00.115
4.0 x 20	1,000	018.00.116
4.0 x 22	1,000	018.00.117
4.0 x 25	1,000	018.00.119
4.0 x 27	1,000	018.00.120
4.0 x 30	1,000	018.00.121
4.0 x 35	1,000	018.00.123
4.0 x 40	1,000	018.00.124
4.0 x 45	500	018.00.125
4.0 x 50	500	018.00.126
4.0 x 55	500	018.00.127
4.5 x 15	1,000	018.00.143
4.5 x 20	1,000	018.00.146
4.5 x 25	1,000	018.00.149
4.5 x 30	1,000	018.00.151
4.5 x 35	500	018.00.153
4.5 x 40	500	018.00.154
4.5 x 45	500	018.00.155
4.5 x 50	500	018.00.156
4.5 x 55	500	018.00.157
5.0 x 20	1,000	018.00.176
5.0 x 25	1,000	018.00.179
5.0 x 30	500	018.00.181
5.0 x 35	500	018.00.183
5.0 x 40	500	018.00.184
5.0 x 45	500	018.00.185
5.0 x 50	500	018.00.186
5.0 x 55	500	018.00.187
6.0 x 30	500	018.00.211
6.0 x 35	500	018.00.213
6.0 x 40	500	018.00.214
6.0 x 45	500	018.00.215
6.0 x 50	200	018.00.216
6.0 x 55	200	018.00.217

Countersunk head PZ, partially threaded

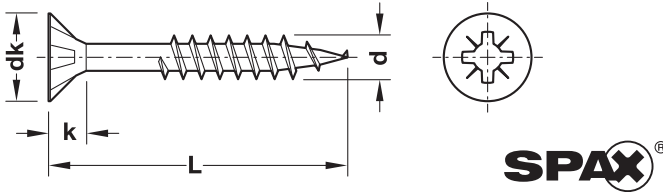


Steel galvanized,

4CUT tip with patented wave profile and multi-head

Approval: Building regulations approved Z-9.1-235

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	1.8	PZ1
3.5	7.0	2.1	PZ2
4.0	8.0	2.4	PZ2
4.5	9.0	2.7	PZ2
5.0	10.0	2.9	PZ2
6.0	12.0	3.4	PZ3



Dimensions d x L mm	Packing pieces	Cat. No.	Dimensions d x L mm	Packing pieces	Cat. No.
3.5 x 30	1,000	018.00.391	5.0 x 40	500	018.00.484
3.5 x 35	1,000	018.00.393	5.0 x 50	500	018.00.486
3.5 x 40	1,000	018.00.394	5.0 x 60	500	018.00.488
3.5 x 50	500	018.00.396	5.0 x 65	200	018.00.489
4.0 x 30	1,000	018.00.421	5.0 x 70	200	018.00.490
4.0 x 35	1,000	018.00.423	5.0 x 80	200	018.00.491
4.0 x 40	1,000	018.00.424	5.0 x 90	200	018.00.492
4.0 x 45	500	018.00.425	5.0 x 100	200	018.00.493
4.0 x 50	500	018.00.426	5.0 x 110	200	018.00.494
4.0 x 55	500	018.00.427	5.0 x 120	200	018.00.495
4.0 x 60	500	018.00.428	6.0 x 60	200	018.00.518
4.0 x 70	500	018.00.430	6.0 x 70	200	018.00.520
4.0 x 80	200	018.00.431	6.0 x 80	200	018.00.521
4.5 x 30	1,000	018.00.451	6.0 x 90	200	018.00.522
4.5 x 35	500	018.00.453	6.0 x 100	100	018.00.523
4.5 x 40	500	018.00.454	6.0 x 120	100	018.00.525
4.5 x 45	500	018.00.455	6.0 x 140	100	018.00.527
4.5 x 50	500	018.00.456	6.0 x 150	100	018.00.528
4.5 x 60	500	018.00.458	6.0 x 160	100	018.00.529
4.5 x 70	500	018.00.460	6.0 x 180	100	018.00.530
4.5 x 80	200	018.00.461	6.0 x 200	100	018.00.531

Cover caps ► MT 1.33

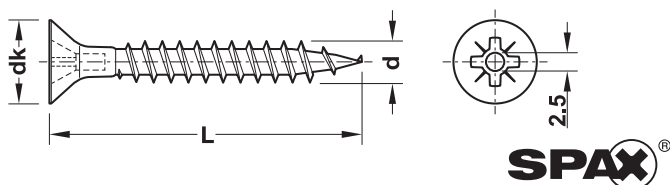
Bits and accessories ► MT 6.23

Countersunk head PZ, fully threaded with central hole



Steel galvanized, low-friction coating, with central hole 2.5 mm, 4CUT tip with patented wave profile and multi-head

Thread Ø d mm	Head Ø dk mm	Drive
4.5	9.0	PZ2
5.0	10.0	PZ2



Dimensions d x L mm	Packing pieces	Cat. No.
4.5 x 45	500	018.40.155
4.5 x 55	500	018.40.157
4.5 x 80	200	018.40.161

Dimensions d x L mm	Packing pieces	Cat. No.
5.0 x 60	500	018.40.188
5.0 x 80	200	018.40.191

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23



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Pan head PZ, fully threaded

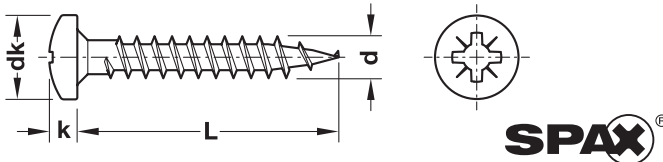


Steel galvanized,

4CUT tip with patented wave profile and multi-head

Approval: Building regulations approved Z-9.1-235

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive
3.0	6.0	2.4	PZ1
3.5	7.0	2.5	PZ2
4.0	8.0	2.9	PZ2
4.5	9.0	3.2	PZ2
5.0	10.0	3.5	PZ2
6.0	12.0	4.0	PZ3



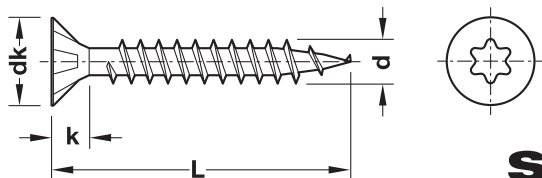
Dimensions d x L mm	Packing pieces	Cat. No.
2.5 x 15	1,000	018.20.003
3.0 x 10	1,000	018.20.050
3.0 x 12	1,000	018.20.051
3.0 x 13	1,000	018.20.052
3.0 x 15	1,000	018.20.053
3.0 x 17	1,000	018.20.055
3.0 x 20	1,000	018.20.056
3.0 x 25	1,000	018.20.059
3.0 x 30	1,000	018.20.061
3.0 x 40	1,000	018.20.064
3.5 x 12	1,000	018.20.081
3.5 x 15	1,000	018.20.083
3.5 x 17	1,000	018.20.085
3.5 x 20	1,000	018.20.086
3.5 x 25	1,000	018.20.089
3.5 x 35	1,000	018.20.093
3.5 x 40	1,000	018.20.094
4.0 x 10	1,000	018.20.110
4.0 x 12	1,000	018.20.111
4.0 x 13	1,000	018.20.112
4.0 x 15	1,000	018.20.113
4.0 x 17	1,000	018.20.115
4.0 x 20	1,000	018.20.116
4.0 x 25	1,000	018.20.119
4.0 x 30	1,000	018.20.121
4.0 x 35	1,000	018.20.123
4.0 x 40	500	018.20.124
4.0 x 45	500	018.20.125

Dimensions d x L mm	Packing pieces	Cat. No.
4.5 x 15	1,000	018.20.143
4.5 x 17	1,000	018.20.145
4.5 x 20	1,000	018.20.146
4.5 x 25	1,000	018.20.149
4.5 x 30	500	018.20.151
4.5 x 35	500	018.20.153
4.5 x 40	500	018.20.154
4.5 x 45	500	018.20.155
4.5 x 50	500	018.20.156
5.0 x 15	1,000	018.20.173
5.0 x 17	1,000	018.20.175
5.0 x 20	1,000	018.20.176
5.0 x 25	500	018.20.179
5.0 x 30	500	018.20.181
5.0 x 35	500	018.20.183
5.0 x 40	500	018.20.184
5.0 x 45	200	018.20.185
5.0 x 50	200	018.20.186
5.0 x 60	200	018.20.189
6.0 x 20	500	018.20.206
6.0 x 25	500	018.20.209
6.0 x 30	500	018.20.211
6.0 x 35	500	018.20.213
6.0 x 40	500	018.20.214
6.0 x 60	200	018.20.218

Cover caps ► MT 1.33

Bits and accessories ► MT 6.23

Countersunk head TS, fully threaded



Steel galvanized or yellow chromated, 4CUT tip with patented wave profile and multi-head

Approval: Building regulations approved Z-9.1-235

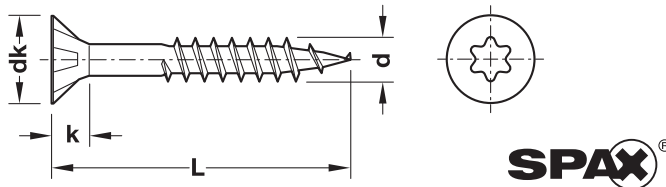
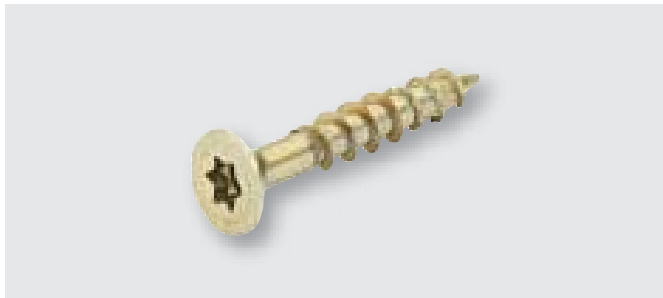
Thread Ø d mm	Head Ø dk mm	Head height k mm	T-star drive size
3.0	6.0	1.8	TS10
3.5	7.0	2.1	TS15
4.0	8.0	2.4	TS20
4.5	9.0	2.7	TS20
5.0	10.0	2.9	TS20
6.0	12.0	3.4	TS30

Dimensions d x L mm	Packing pieces	Galvanized	Yellow chromated
3.0 x 12	1,000	018.50.051	018.51.221
3.0 x 13	1,000	–	018.51.222
3.0 x 15	1,000	–	018.51.223
3.0 x 16	1,000	018.50.224	018.51.224
3.0 x 17	1,000	–	018.51.225
3.0 x 20	1,000	018.50.226	018.51.226
3.0 x 25	1,000	018.50.229	018.51.229
3.0 x 30	1,000	018.50.061	–
3.5 x 15	1,000	018.50.083	–
3.5 x 16	1,000	018.50.384	018.51.384
3.5 x 20	1,000	018.50.386	018.51.386
3.5 x 25	1,000	018.50.389	018.51.389
3.5 x 30	1,000	018.50.091	–
3.5 x 35	1,000	018.50.093	–
3.5 x 40	1,000	018.50.094	–
3.5 x 45	1,000	018.50.095	–
4.0 x 15	1,000	018.50.113	018.51.413
4.0 x 16	1,000	018.50.114	–
4.0 x 20	1,000	018.50.116	018.51.416
4.0 x 25	1,000	018.50.119	018.51.419
4.0 x 30	1,000	018.50.121	–

Dimensions d x L mm	Packing pieces	Galvanized	Yellow chromated
4.0 x 35	1,000	018.50.123	–
4.0 x 40	1,000	018.50.124	–
4.0 x 45	500	018.50.125	–
4.0 x 50	500	018.50.126	–
4.5 x 20	1,000	018.50.146	018.51.446
4.5 x 25	1,000	018.50.149	018.51.449
4.5 x 35	500	018.50.153	–
4.5 x 40	500	018.50.154	–
4.5 x 45	500	018.50.155	–
4.5 x 50	500	018.50.156	–
4.5 x 60	500	018.50.158	–
5.0 x 20	1,000	018.50.176	–
5.0 x 25	1,000	018.50.179	–
5.0 x 30	500	018.50.181	–
5.0 x 35	500	018.50.183	–
5.0 x 40	500	018.50.184	–
5.0 x 45	500	018.50.185	–
5.0 x 50	500	018.50.186	–
5.0 x 60	500	018.50.188	–
6.0 x 50	200	018.50.216	–
6.0 x 60	200	018.50.218	–

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Countersunk head TS, partially threaded



Steel galvanized or yellow chromated,
4CUT tip with patented wave profile and multi-head

Approval: Building regulations approved Z-9.1-235

Thread Ø d mm	Head Ø dk mm	Head height k mm	T-star drive size
3.0	6.0	1.8	TS10
3.5	7.0	2.1	TS15
4.0	8.0	2.4	TS20
4.5	9.0	2.7	TS20
5.0	10.0	2.9	TS20
6.0	12.0	3.4	TS30

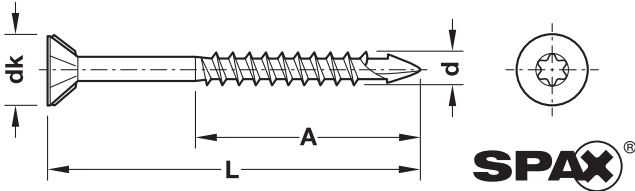
Dimensions d x L mm	Packing pieces	Galvanized	Yellow chromated	Dimensions d x L mm	Packing pieces	Galvanized	Yellow chromated
3.0 x 30	1,000	018.50.231	018.51.231	5.0 x 45	500	018.50.485	018.51.485
3.0 x 35	1,000	018.50.233	018.51.233	5.0 x 50	500	018.50.486	018.51.486
3.0 x 40	1,000	018.50.364	018.51.234	5.0 x 55	500	018.50.487	018.51.487
3.5 x 30	1,000	018.50.391	018.51.391	5.0 x 60	500	018.50.488	018.51.488
3.5 x 35	1,000	018.50.393	018.51.393	5.0 x 70	200	018.50.490	018.51.490
3.5 x 40	1,000	018.50.394	018.51.394	5.0 x 80	200	018.50.491	018.51.491
3.5 x 45	1,000	018.50.395	018.51.395	5.0 x 90	200	018.50.492	–
3.5 x 50	500	018.50.396	018.51.396	5.0 x 100	200	018.50.493	018.51.493
4.0 x 30	1,000	018.50.421	018.51.421	5.0 x 120	200	018.50.495	018.51.495
4.0 x 35	1,000	018.50.423	018.51.423	6.0 x 40	500	–	018.51.514
4.0 x 40	1,000	018.50.424	018.51.424	6.0 x 50	200	018.50.516	018.51.516
4.0 x 45	500	018.50.425	018.51.425	6.0 x 60	200	018.50.518	018.51.518
4.0 x 50	500	018.50.426	018.51.426	6.0 x 70	200	018.50.520	018.51.520
4.0 x 55	500	–	018.51.427	6.0 x 80	200	018.50.521	018.51.521
4.0 x 60	500	018.50.428	018.51.428	6.0 x 90	200	018.50.522	018.51.522
4.0 x 65	500	–	018.51.429	6.0 x 100	100	018.50.523	018.51.523
4.0 x 70	500	018.50.430	018.51.430	6.0 x 110	100	018.50.524	018.51.524
4.0 x 80	200	018.50.431	–	6.0 x 120	100	018.50.525	018.51.525
4.5 x 30	1,000	018.50.451	018.51.451	6.0 x 130	100	–	018.51.526
4.5 x 35	500	018.50.453	018.51.453	6.0 x 140	100	018.50.527	018.51.527
4.5 x 40	500	018.50.454	018.51.454	6.0 x 150	100	018.50.528	018.51.528
4.5 x 45	500	018.50.455	018.51.455	6.0 x 160	100	018.50.529	018.51.529
4.5 x 50	500	018.50.456	018.51.456	6.0 x 180	100	018.50.531	018.51.530
4.5 x 60	500	018.50.458	018.51.458	6.0 x 200	100	018.50.533	018.51.531
4.5 x 70	500	018.50.460	018.51.460	6.0 x 220	100	018.50.534	018.51.532
4.5 x 80	200	018.50.461	018.51.461	6.0 x 240	100	018.50.535	018.51.533
5.0 x 30	500	018.50.481	018.51.481	6.0 x 260	100	018.50.536	018.51.534
5.0 x 35	500	018.50.483	018.51.483	6.0 x 280	100	018.50.537	018.51.535
5.0 x 40	500	018.50.484	018.51.484	6.0 x 300	100	–	018.51.536

Spax-M Countersunk head T-star drive TS with drill point



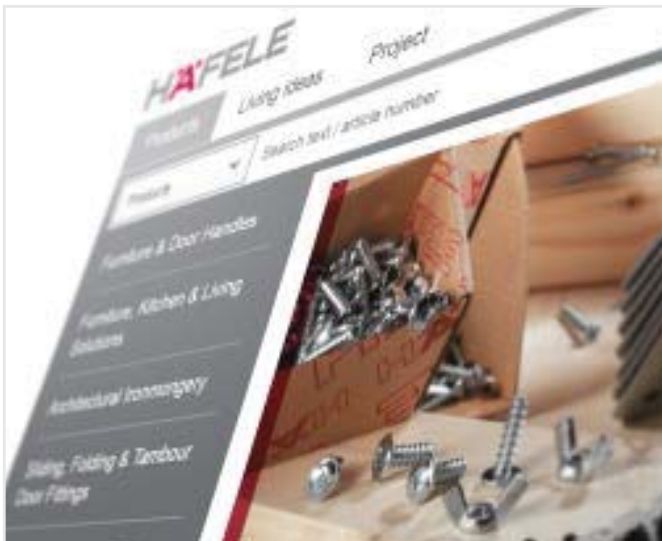
Steel, galvanized, low-friction coating, makes it possible to screw into MDF materials and thin-walled boards without pilot drilling, Small router bit 75°

Thread Ø d mm	Head Ø dk mm	Drive
3.5	6.0	TS15
4.0	7.0	TS20
4.5	8.0	TS25



Dimensions d x L mm	Dim. A mm	Packing pieces	Cat. No.
3.5 x 40	28	200	018.90.094
3.5 x 45	30	200	018.90.095
3.5 x 50	35	200	018.90.096
4.0 x 40	28	200	018.90.124
4.0 x 45	30	200	018.90.125
4.0 x 50	35	200	018.90.126

Dimensions d x L mm	Dim. A mm	Packing pieces	Cat. No.
4.0 x 60	40	100	018.90.128
4.5 x 45	30	200	018.90.155
4.5 x 50	35	200	018.90.156
Cover caps			▶ MT 1.33
Bits and accessories			▶ MT 6.23



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Pan head TS, fully threaded

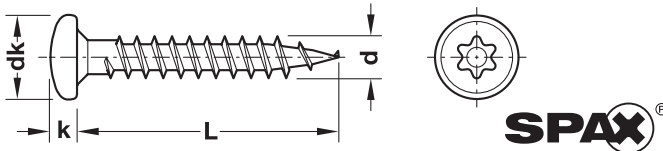


Steel galvanized,

4CUT tip with patented wave profile and multi-head

Approval: Building regulations approved Z-9.1-235

Thread Ø d mm	Head Ø dk mm	Head height k mm	Drive TS
3.0	6.0	2.4	TS10
3.5	7.0	2.5	TS15
4.0	8.0	2.9	TS20
4.5	9.0	3.2	TS20
5.0	10.0	3.5	TS20



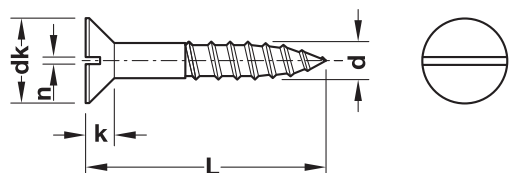
Dimensions d x L mm	Packing pieces	Cat. No.
3.0 x 12	1,000	018.70.051
3.0 x 15	1,000	018.70.053
3.0 x 17	1,000	018.70.055
3.0 x 20	1,000	018.70.056
3.0 x 25	1,000	018.70.059
3.0 x 30	1,000	018.70.061
3.5 x 12	1,000	018.70.081
3.5 x 15	1,000	018.70.083
3.5 x 16	1,000	018.70.084
3.5 x 20	1,000	018.70.086
3.5 x 25	1,000	018.70.089
3.5 x 30	1,000	018.70.091
3.5 x 35	1,000	018.70.093
3.5 x 40	1,000	018.70.094
4.0 x 12	1,000	018.70.111
4.0 x 15	1,000	018.70.113
4.0 x 16	1,000	018.70.114
4.0 x 20	1,000	018.70.116
4.0 x 25	1,000	018.70.119
4.0 x 30	1,000	018.70.121
4.0 x 35	1,000	018.70.123
4.0 x 40	500	018.70.124
4.0 x 45	500	018.70.125
4.5 x 15	1,000	018.70.143

Dimensions d x L mm	Packing pieces	Cat. No.
4.5 x 16	1,000	018.70.144
4.5 x 17	1,000	018.70.145
4.5 x 20	1,000	018.70.146
4.5 x 25	1,000	018.70.149
4.5 x 30	500	018.70.151
4.5 x 35	500	018.70.153
4.5 x 40	500	018.70.154
4.5 x 45	500	018.70.155
4.5 x 50	500	018.70.156
5.0 x 16	1,000	018.70.174
5.0 x 17	1,000	018.70.175
5.0 x 20	1,000	018.70.176
5.0 x 25	500	018.70.179
5.0 x 30	500	018.70.181
5.0 x 35	500	018.70.183
5.0 x 40	500	018.70.184
5.0 x 45	200	018.70.185
5.0 x 50	200	018.70.186
5.0 x 60	200	018.70.188

Cover caps ► MT 1.33

Bits and accessories ► MT 6.23

Countersunk head flat blade DIN 97

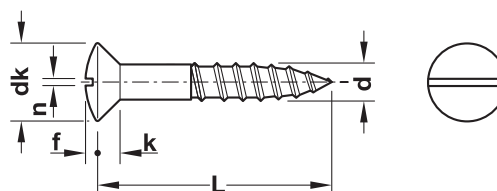


Brass bright

Thread Ø d mm	Head Ø dk mm	Head height k mm	Slot recess dim. n mm
2.5	4.7	1.5	0.6
3.0	5.6	1.6	0.8
3.5	6.5	1.9	0.8
4.0	7.5	2.2	1.0

Dimensions d x L mm	Packing pieces	Cat. No.
2.0 x 10	500	011.00.107
2.5 x 12	500	011.00.214
2.5 x 16	500	011.00.232
2.5 x 20	500	011.00.241
3.0 x 16	200	011.00.438
3.0 x 20	200	011.00.447
3.0 x 25	200	011.00.458
3.5 x 12	200	011.00.510
3.5 x 16	200	011.00.529
3.5 x 20	200	011.00.538
3.5 x 25	200	011.00.547
3.5 x 30	200	011.00.556
3.5 x 35	200	011.00.565
3.5 x 45	200	011.00.583
4.0 x 16	200	011.00.604
4.0 x 20	200	011.00.605
4.0 x 25	200	011.00.606
4.0 x 30	200	011.00.607

Raised countersunk head flat blade DIN 95



Brass bright

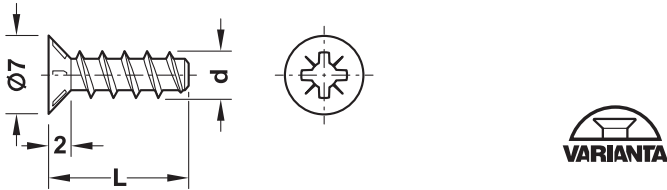
Thread Ø d mm	Head Ø dk mm	Head height k mm	Slot recess dim. n mm
2.5	4.7	1.5	0.6
3.0	5.6	1.6	0.8
3.5	6.5	1.9	0.8

Dimensions d x L mm	Packing pieces	Cat. No.
2.5 x 12	500	011.20.216
2.5 x 16	500	011.20.234
2.5 x 20	500	011.20.243
3.0 x 16	200	011.20.430
3.0 x 20	200	011.20.447
3.0 x 25	200	011.20.458
3.5 x 16	200	011.20.529
3.5 x 20	200	011.20.538
3.5 x 25	200	011.20.547
3.5 x 30	200	011.20.556

Flat blade screwdriver

► MT 4.20

Countersunk head PZ, fully threaded



Steel,
for drill hole Ø 3 mm in wood

Thread Ø d mm	Pitch	Body Ø mm	Drive
4.2	2.0	2.8	PZ2

Dimensions d x L mm	Packing pieces	Galvanized	Nickel plated
Orga-Box			
4.2 x 10.5	100 or 1,000	013.14.810	–
4.2 x 13.5	100 or 1,000	013.14.820	–
4.2 x 16	100 or 1,000	013.14.830	–
Big-Pack			
4.2 x 10.5	5,000	012.14.810	–
4.2 x 13.5	5,000	012.14.820	012.14.620

Countersunk head PZ, fully threaded



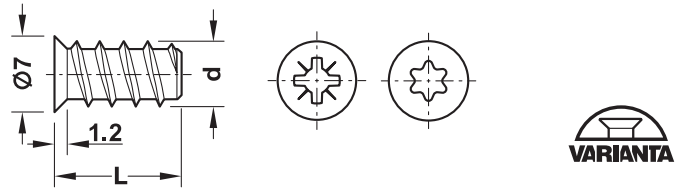
Steel, nickel plated,
for drill holes with Ø 5 mm,
for screwing into aluminium profiles

Thread Ø d mm	Pitch	Body Ø mm	Drive
6.0	1.6	4.7	PZ2

Packing: 100 or 1,000 pieces

Dimensions d x L mm	Cat. No.
Orga-Box	
6.0 x 10.5	013.04.712

PZ and TS Countersunk head, fully threaded



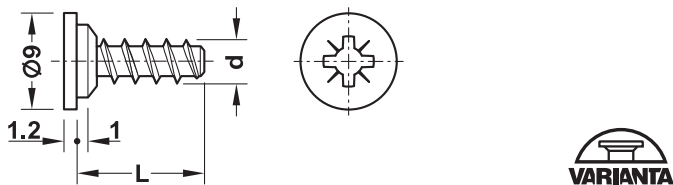
Steel galvanized,
for drill hole Ø 5 mm in wood

Thread Ø d mm	Pitch	Body Ø mm	Drive
6.0	2.2	4.6	PZ2/TS20

Dimensions d x L mm	Packing pieces	Galvanized
Drive PZ2 cross slot, Orga-Box		
6.0 x 8	100 or 1,000	013.14.908
6.0 x 10.5	100 or 1,000	013.14.910
6.0 x 13.5	100 or 1,000	013.14.920
6.0 x 16	100 or 1,000	013.14.930
6.0 x 25	100 or 1,000	013.14.950
Drive PZ2 cross slot, Big-Pack		
6.0 x 8	8,000	012.14.908
6.0 x 10.5	5,000	012.14.910
6.0 x 13.5	5,000	012.14.920
6.0 x 25	3,000	012.14.950
TS20 T-star drive, Orga-Box		
6.0 x 8	100 or 1,000	013.40.908
6.0 x 10.5	100 or 1,000	013.40.910
6.0 x 13.5	100 or 1,000	013.40.920

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Cylindrical head PZ, fully threaded



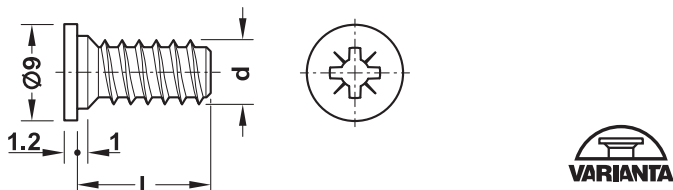
Steel galvanized or nickel plated,
for Variant drawer runners, cruciform mounting plates,
cabinet connectors and connecting fittings,
for drill holes with Ø 3 mm

Thread Ø d mm	Pitch	Body Ø mm	Drive
4.2	2.0	2.8	PZ2

Packing: 100 or 1,000 pieces

Dimensions d x L mm	Cat. No.
Orga-Box	
4.2 x 10.5	013.20.814
4.2 x 13.5	013.20.832

Cylindrical head PZ, fully threaded



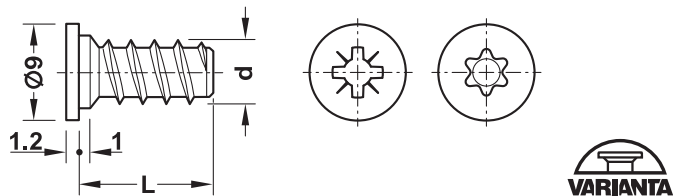
Steel nickel plated,
for drill holes with Ø 5 mm,
for screwing into aluminium profiles

Thread Ø d mm	Pitch	Body Ø mm	Drive
6.0	1.6	4.7	PZ2

Packing: 100 or 1,000 pieces

Dimensions d x L mm	Cat. No.
Orga-Box	
6.0 x 10.5	013.08.710
6.0 x 12	013.08.729

Cylindrical head, fully threaded



Steel galvanized or nickel plated,
e.g. for Variant drawer runners, universal and rear panel
brackets, Rasant-Tab cabinet connectors,
for drill holes with Ø 5 mm

Thread Ø d mm	Pitch	Body Ø mm
6.2	2.2	4.6

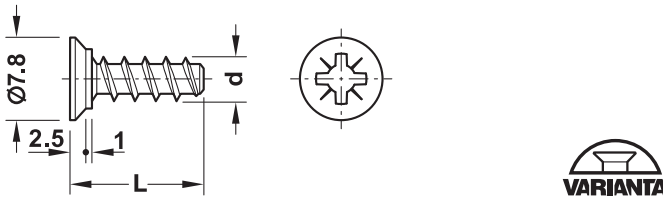
Dimensions d x L mm	Packing pieces	Galvanized	Nickel plated
Drive PZ2 cross slot, Orga-Box			
6.2 x 10.5	100 or 1,000	013.20.912	013.20.716
6.2 x 13.5	100 or 1,000	013.20.930	013.20.734
6.2 x 16	100 or 1,000	013.20.949	013.20.743

Dimensions d x L mm	Packing pieces	Galvanized	Nickel plated
Drive PZ2 cross slot, Big-Pack			
6.2 x 10.5	5,000	012.20.912	012.20.716
6.2 x 13.5	2,500	012.20.930	012.20.734
6.2 x 16	2,500	012.20.949	012.20.743

Dimensions d x L mm	Packing pieces	Galvanized	Nickel plated
TS20 T-star drive, Orga-Box			
6.2 x 10.5	100 or 1,000	013.42.912	–
6.2 x 13.5	100 or 1,000	013.42.930	–
6.2 x 16	1,000	013.42.949	–

Cover caps	► MT 1.33
Bits and accessories	► MT 6.23

Countersunk head PZ, fully threaded



Steel, nickel plated,
for cruciform mounting plates, cabinet connectors
and connecting fittings,
for drill holes with Ø 3 mm

Thread Ø d mm	Pitch	Body Ø mm	Drive
4.2	2.0	2.8	PZ2

Dimensions d x L mm	Packing pieces	Cat. No.
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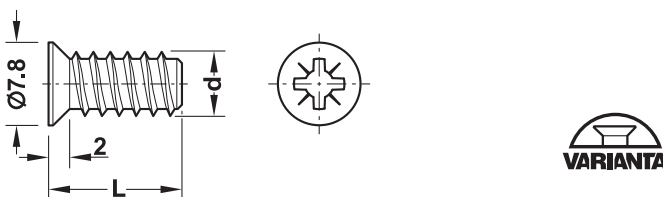
Orga-Box

4.2 x 10.5	100 or 1,000	013.15.617
4.2 x 13.5	100 or 1,000	013.15.626
4.2 x 16	100 or 1,000	013.15.635

Big-Pack

4.2 x 13.5	5,000	012.15.626
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Countersunk head PZ, fully threaded



Steel nickel plated,
for drill holes with Ø 5 mm,
for screwing into aluminium profiles

Thread Ø d mm	Pitch	Body Ø mm	Drive
6.0	1.6	4.7	PZ2

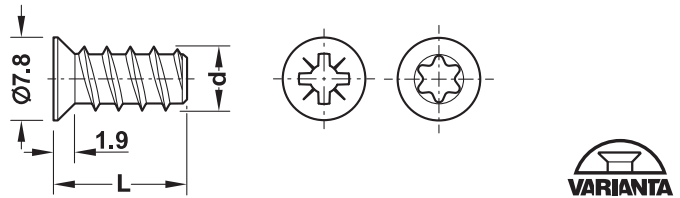
Packing: 100 or 1,000 pieces

Dimensions d x L mm	Cat. No.
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Orga-Box

6.0 x 10.5	013.05.719
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Countersunk head PZ and TS



Steel nickel plated or black,
for drill holes with Ø 5 mm

Thread Ø d mm	Pitch	Body Ø mm	Drive
6.2	2.2	4.6	PZ2/TS20

Dimensions d x L mm	Packing pieces	Cat. No.
---------------------	----------------	----------

Drive PZ2 cross slot, Orga-Box

6.2 x 10.5	100 or 1,000	013.15.715
6.2 x 10.5	100 or 1,000	013.15.317
6.2 x 13.5	100 or 1,000	013.15.724
6.2 x 13.5	100 or 1,000	012.15.324
6.2 x 16	100 or 1,000	013.15.733
6.2 x 16	100 or 1,000	013.15.330

Drive PZ2 cross slot, Big-Pack

6.2 x 10.5	5,000	012.15.715
6.2 x 13.5	5,000	012.15.724
6.2 x 16	5,000	012.15.733

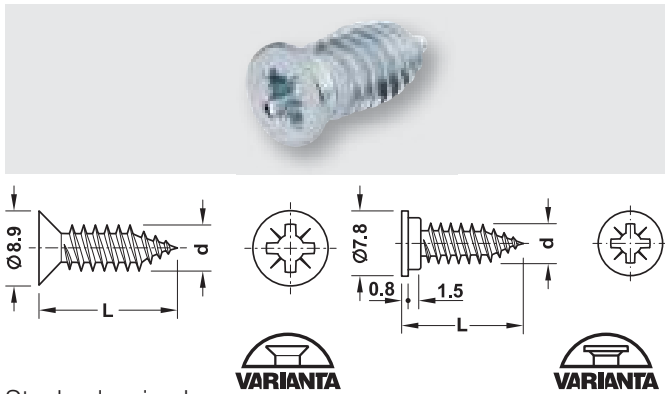
TS20 T-star drive, Orga-Box

6.2 x 10.5	100 or 1,000	013.41.715
6.2 x 13.5	100 or 1,000	013.41.724
6.2 x 16	100 or 1,000	013.41.733

Cover caps ▶ MT 1.33

Bits and accessories ▶ MT 6.23

Cylindrical/countersunk head PZ, fully threaded



Steel galvanized,
for lightweight panels **with top layers of 4 mm and above**, irrespective of the structure of the core

Note:

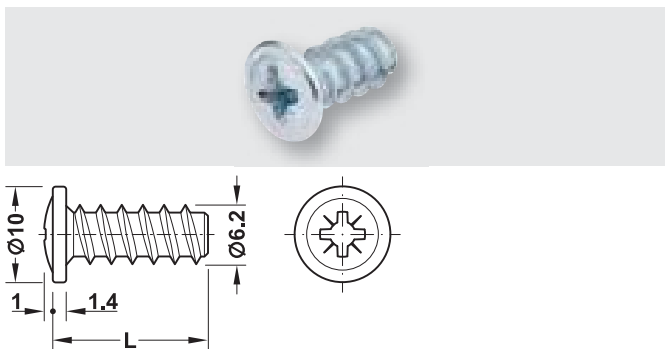
Other fittings such as hinges, runners, shelf supports, etc. can also be fixed using these screws.

Thread Ø d mm	for drill hole Ø mm	Drive
5.5	3.0	PZ2
6.2	5.0	PZ2
7.0	5.0	PZ2

Packing: 100 or 1,000 pieces

Dimensions d x L mm	Type of head/drive	Cat. No.
5.5 x 12.5	Cylindrical head	013.30.901
5.5 x 14	Cylindrical head	013.30.900
6.2 x 14	Cylindrical head	013.30.910
7.0 x 13	Countersunk head	013.31.910

Flat head panel fixing screw



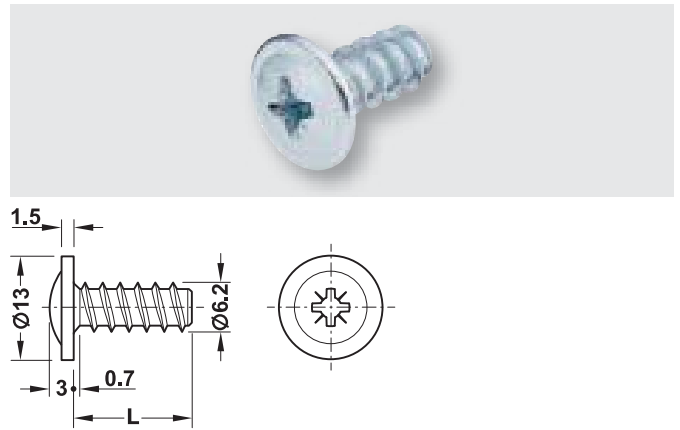
Steel galvanized,
for drill hole Ø 5 mm in wood,
for Matrix runners

Head Ø mm	Thread Ø d mm	Pitch	Body Ø mm	Drive
10	6.2	2.2	4.2	PZ2

Packing: 100 or 1,000 pieces

Dimensions d x L mm	Cat. No.
6.2 x 13.5	013.10.902

Flat head PZ, fully threaded

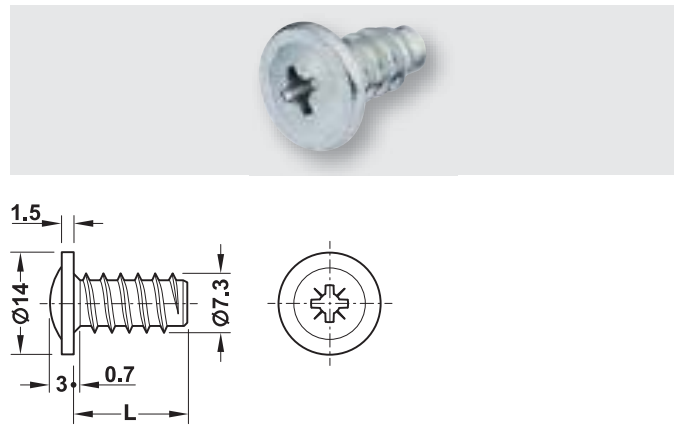


Steel galvanized,
for drill hole Ø 5 mm in wood

Thread Ø d mm	Pitch	Body Ø mm	Drive
6.2	2.3	4.2	PZ2

Dimensions d x L mm	Packing pieces	Cat. No.
Orga-Box		
6.2 x 13.5	200 or 1,000	013.10.149
6.2 x 19	100 or 500	013.10.190
6.2 x 27.5	100 or 500	013.10.283

Flat head PZ, fully threaded



Steel galvanized,
for Ø 6 mm drill holes in plastic

Thread Ø d mm	Pitch	Body Ø mm	Drive
7.3	2.2	5.5	PZ2

Packing: 100 or 500 pieces

Dimensions d x L mm	Cat. No.
Orga-Box	
7.3 x 14	013.12.143

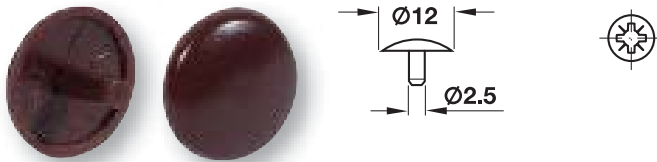
Cover caps made from plastic

For chipboard screws with countersunk head

Note:

Specified colours that are similar to RAL colours are not binding and merely for your guidance.

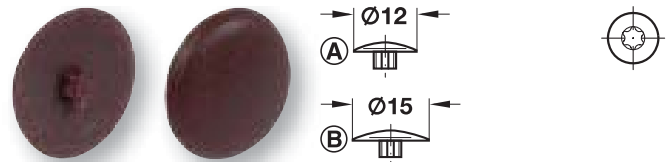
→ For screw head with central hole



For chipboard screws and countersunk head screws with central hole 2.5 mm

Colour	Packing pieces	Cat. No.
Pine coloured	500 or 5,000	045.04.009
Fawn brown, RAL 8007	500 or 5,000	045.04.107
Black, RAL 9005	500 or 5,000	045.04.303
Beige, RAL 1015	500 or 5,000	045.04.401
Light grey, RAL 7035	500 or 5,000	045.04.509
Dust grey, RAL 7037	500 or 5,000	045.04.527
Cherry wood	100 or 500	045.04.620
Pure white, RAL 9010	500 or 5,000	045.04.705
Cream white, RAL 9001	5,000	045.04.471

→ For screw head with T-star drive

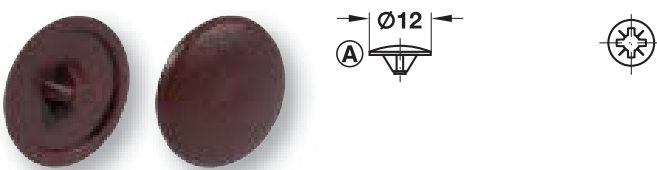


For chipboard screws with countersunk head T-star drive

Packing: 500 pieces

Colour	Cat. No.
(A) For TS15 T-star drive	
Pure white, RAL 9010	045.36.715
Light grey, RAL 7035	045.36.515
Black, RAL 9005	045.36.315
(A) For TS20 T-star drive	
Pure white, RAL 9010	045.36.720
Light grey, RAL 7035	045.36.520
Black, RAL 9005	045.36.320
Fawn brown, RAL 8007	045.36.120
Sepia brown, RAL 8014	045.36.121
(B) For TS25 T-star drive	
Pure white, RAL 9010	045.36.725
Black, RAL 9005	045.36.325

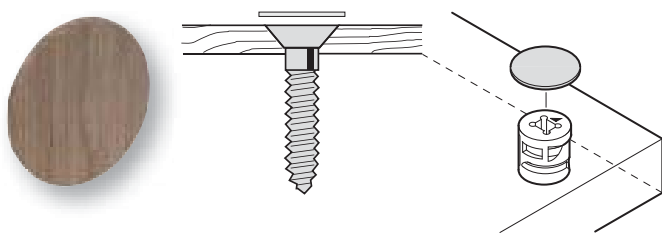
→ For screw head with cross slot



Colour	Packing pieces	Cat. No.
(A) For PZ2 cross slot		
Pure white, RAL 9010	1,000	045.03.726
Black, RAL 9005	100 or 5,000	045.03.320
Pine coloured, similar to RAL 1034	100 or 1,000	045.03.020
Fawn brown, RAL 8007	1,000	045.03.128

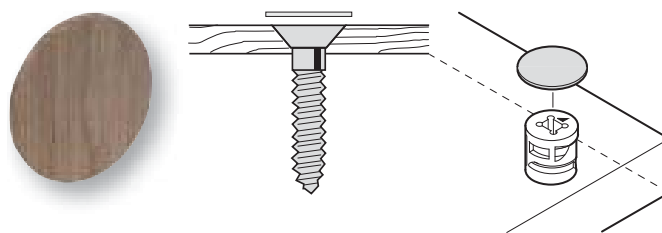
Cover caps made of plastic or real wood

→ Plastic



For covering screw heads or Minifix connector housings,
Thickness: 0.5 mm,
Installation: For glue fixing (self-adhesive)

→ Real wood



For covering screw heads or Minifix connector housings,
can be sanded, stained or surface treated,
colours may vary,
Thickness: 0.5 mm,
Installation: For glue fixing (self-adhesive)

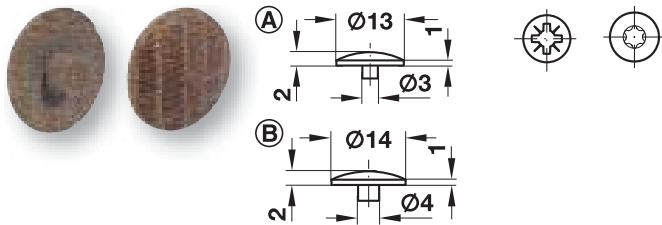
Finish/colour	Packing pieces	Cat. No.
Ø 13 mm		
Can be painted	20 or 2,000	045.23.060
White aluminium, RAL 9006	20 or 2,000	045.23.230
Chrome plated	20 or 2,000	045.23.250
Beech	20 or 2,000	045.23.470
Wenge, wood structure	20 or 2,000	045.23.750
Aluminium	20 or 2,000	045.23.950
Ø 14 mm		
White	52 or 1,040	045.23.700
Black	52 or 1,040	045.23.300
Light grey	52 or 1,040	045.23.500
Beech, wood structure	52 or 1,040	045.23.310
Oak, wood structure	52 or 1,040	045.23.410
Pine, wood structure	52 or 1,040	045.23.010
Ø 16 mm		
Can be painted	20 or 1,000	045.23.070
White aluminium, RAL 9006	20 or 1,000	045.23.260
Chrome plated	20 or 1,000	045.23.270
Beech	20 or 1,000	045.23.480
Wenge	20 or 1,000	045.23.770
Aluminium	20 or 1,000	045.23.960
Ø 18 mm		
White	36 or 720	045.25.700
Black	36 or 720	045.25.300
Light grey	36 or 720	045.25.500
Beech, wood structure	36 or 720	045.25.310
Oak, wood structure	36 or 720	045.25.410
Pine, wood structure	36 or 720	045.25.010

Material	Packing pieces	Cat. No.
Ø 14 mm		
Oak	52 or 1,040	045.24.400
Pine	52 or 1,040	045.24.000
Maple	52 or 1,040	045.24.100
Cherry wood	52 or 1,040	045.24.600
Ash	52 or 1,040	045.24.500
Ø 18 mm		
Oak	36 or 720	045.26.400
Pine	36 or 720	045.26.000
Maple	36 or 720	045.26.100
Cherry wood	36 or 720	045.26.600
Ash	36 or 720	045.26.500

Cover caps made from real wood

For covering chipboard screws with cross slot or T-star drive, can be stained or surface treated, colours may vary

→ For chipboard screws with cross slot or T-star drive

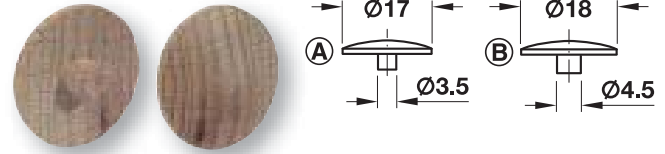


Finish: Untreated

Packing: 1 or 100 pieces

Material	Cat. No.
(A) For PZ2 cross slot or TS15/20 T-star drive	
Maple	045.32.110
Beech, steamed	045.32.310
Oak	045.32.410
Ash	045.32.510
Pine	045.32.010
(B) For PZ3 cross slot or TS25 T-star drive	
Beech, steamed	045.32.320

→ For Häfele Minifix connector housing



Finish: Untreated

Packing: 1 or 100 pieces

Material	Cat. No.
(A) For Minifix 12 and 15 connector housing	
Maple	045.29.100
Beech, steamed	045.29.300
Oak	045.29.400
(B) For Minifix 15 connector housing	
Pine	045.30.000
Maple	045.30.100
Beech, steamed	045.30.300
Oak	045.30.400
Ash	045.30.500

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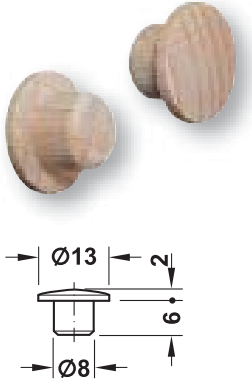
Inspiration with an item list.



Cover caps solid wood

Untreated,
can be stained and surface treated, colours may vary
For push fitting into blind holes

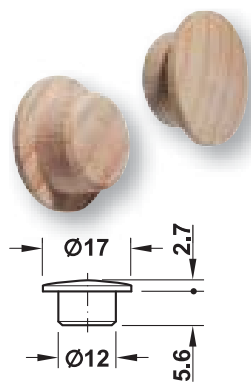
→ For Ø 8 mm drill hole



Packing: 1 or 100 pieces

Material	Cat. No.
Beech, steamed	045.33.310
Pine	045.33.010
Oak	045.33.410
Maple	045.33.110
Ash	045.33.510

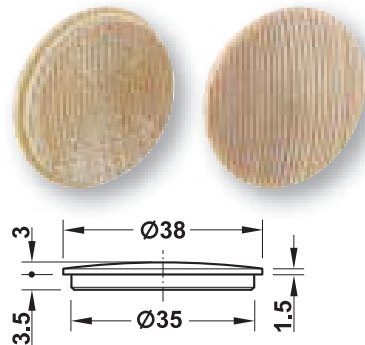
→ For Ø 12 mm drill hole



Packing: 1 or 100 pieces

Material	Cat. No.
Beech, steamed	045.33.360
Pine	045.33.060
Oak	045.33.460
Maple	045.33.160
Ash	045.33.560

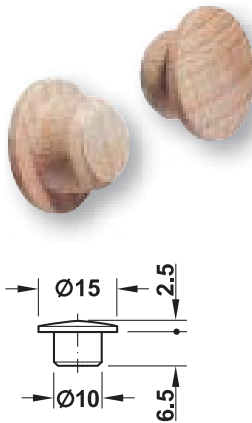
→ For Ø 35 mm drill holes,
e.g. for cup drillings



Packing: 1 or 100 pieces

Material	Cat. No.
Pine	045.31.000
Maple	045.31.100
Beech, steamed	045.31.300
Oak	045.31.400
Ash	045.31.500

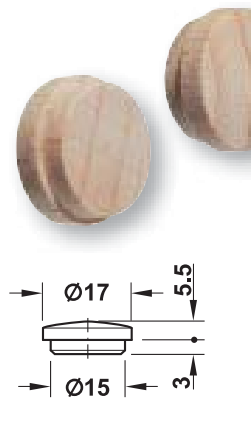
→ For Ø 10 mm drill hole



Packing: 1 or 100 pieces

Material	Cat. No.
Beech, steamed	045.33.350
Pine	045.33.050
Oak	045.33.450
Maple	045.33.150
Ash	045.33.550

→ For Ø 15 mm drill hole



Packing: 1 or 100 pieces

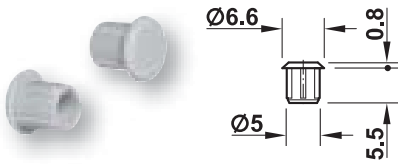
Material	Cat. No.
Beech, steamed	045.33.370
Pine	045.33.070
Oak	045.33.470
Maple	045.33.170
Ash	045.33.570



Cover caps plastic

For push fitting into blind holes

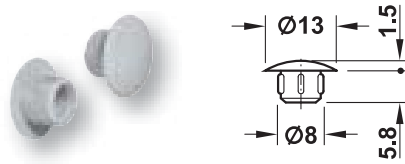
→ For Ø 5 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	045.20.702
Light grey, RAL 7035	045.20.502
Dark brown, RAL 8014	045.20.102

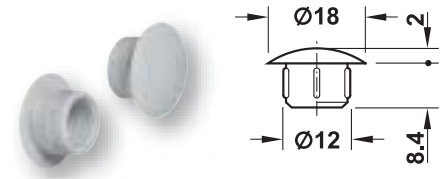
→ For Ø 8 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	045.00.789
Light grey, RAL 7035	045.00.580
Black, RAL 9005	045.00.387
Fawn brown, RAL 8007	045.00.181

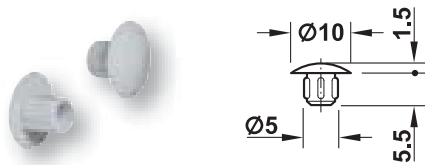
→ For Ø 12 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	045.00.734
Light grey, RAL 7035	045.00.534
Black, RAL 9005	045.00.332
Fawn brown, RAL 8007	045.00.234
Dark brown, RAL 8014	045.00.136

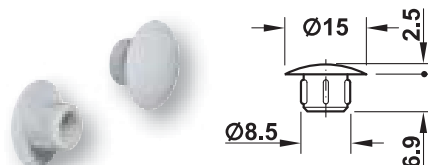
→ For Ø 5 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	024.02.753
Light grey, RAL 7035	024.02.555
Black, RAL 9005	024.02.355
Fawn brown, RAL 8007	024.02.155

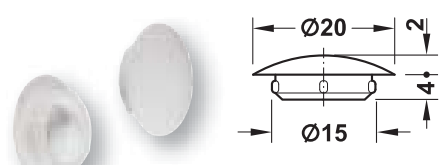
→ For Ø 8.5 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	045.00.725
Light grey, RAL 7035	045.00.529

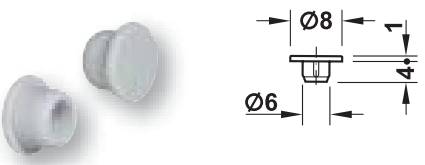
→ For Ø 15 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	045.00.760
Dark brown, RAL 8014	045.00.160
Light grey, RAL 7035	045.00.561
Black, RAL 9005	045.00.360

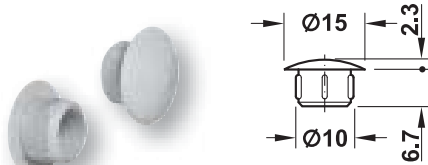
→ For Ø 6 mm drill hole



Packing: 100 or 500 pieces

Colour	Cat. No.
Brown, RAL 8007	045.00.158
Pine coloured, RAL 1014	045.00.159
Beech coloured, RAL 1011	045.00.358
Graphite black, RAL 9011	045.00.359
Light grey, RAL 7035	045.00.559
White, RAL 9010	045.00.759

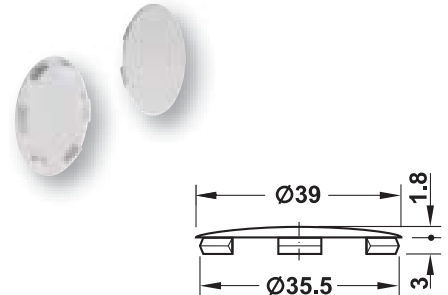
→ For Ø 10 mm drill hole



Packing: 500 pieces

Colour	Cat. No.
White, RAL 9010	045.00.743
Light grey, RAL 7035	045.00.540
Black, RAL 9005	045.00.341
Fawn brown, RAL 8007	045.00.243
Dark brown, RAL 8014	045.00.145

→ For Ø 35 mm drill hole



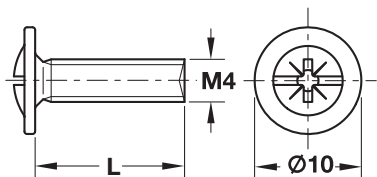
Packing: 10 or 100 pieces

Colour	Cat. No.
White, RAL 9010	262.86.790
Fawn brown, RAL 8007	262.86.190
Black, RAL 9005	262.86.390

Flat head combination cross slot



Steel galvanized,
M4 thread
e.g. for fixing furniture handles and knobs



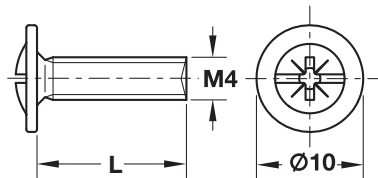
Length L mm	Packing pieces	Cat. No.
Orga-Box		
8	100 or 1,000	022.35.081
9	100 or 1,000	022.35.090
10	100 or 1,000	022.35.109
12	100 or 1,000	022.35.127
15	100 or 1,000	022.35.154
18	100 or 1,000	022.35.181
20	100 or 1,000	022.35.207
22	100 or 1,000	022.35.225
23	100 or 1,000	022.35.234
24	100 or 1,000	022.35.243
25	100 or 1,000	022.35.252
26	100 or 500	022.35.261
27	100 or 500	022.35.270
28	100 or 500	022.35.289
30	100 or 500	022.35.305
32	100 or 500	022.35.323
35	100 or 500	022.35.350
38	100 or 500	022.35.387
40	100 or 500	022.35.403
42	100 or 500	022.35.420
45	100 or 500	022.35.458
50	100 or 500	022.35.501
55	100 or 300	022.35.550
60	100 or 300	022.35.609

Length L mm	Packing pieces	Cat. No.
Big-Pack		
8	5,000	022.45.081
9	5,000	022.45.090
10	5,000	022.45.109
12	5,000	022.45.127
15	5,000	022.45.154
18	5,000	022.45.181
20	5,000	022.45.207
22	5,000	022.45.225
23	5,000	022.45.234
24	5,000	022.45.243
25	5,000	022.45.252
26	5,000	022.45.261
27	5,000	022.45.270
28	5,000	022.45.289
30	3,000	022.45.305
32	3,000	022.45.323
35	3,000	022.45.350
38	3,000	022.45.387
40	3,000	022.45.403
42	3,000	022.45.420
45	3,000	022.45.458

Bits and accessories

► MT 6.23

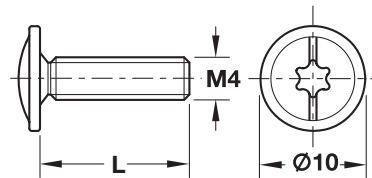
Flat head combination cross slot



Steel, nickel plated,
M4 thread
e.g. for fixing furniture handles and knobs

Length L mm	Packing pieces	Cat. No.
Orga-Box		
15	100 or 1,000	022.34.157
25	100 or 1,000	022.34.255
30	100 or 500	022.34.308
Big-Pack		
15	5,000	022.44.157
25	5,000	022.44.255

Flat head, TS20 T-star drive



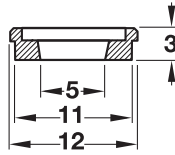
Steel galvanized,
M4 thread
e.g. for fixing furniture handles and knobs

Length L mm	Packing pieces	Cat. No.
8	100 or 1,000	022.38.002
9	100 or 1,000	022.38.003
10	100 or 1,000	022.38.004
12	100 or 1,000	022.38.005
15	100 or 1,000	022.38.006
20	100 or 1,000	022.38.008
22	100 or 1,000	022.38.009
23	100 or 1,000	022.38.010
25	100 or 1,000	022.38.012
28	100 or 500	022.38.015
30	100 or 500	022.38.016
35	100 or 500	022.38.018
40	100 or 500	022.38.020
60	100 or 500	022.38.026

Cover caps ▶ MT 1.33

Bits and accessories ▶ MT 6.23

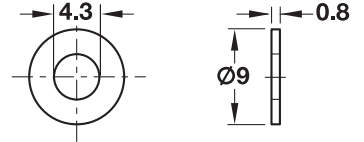
Screw cup



Plastic transparent
Packing: 100 or 5,000 pieces

	Cat. No.
Screw cup	037.03.400

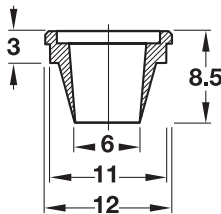
DIN 125 washer



Plastic opaque
Packing: 100 or 1,000 pieces

	Cat. No.
DIN 125 washer	037.01.022

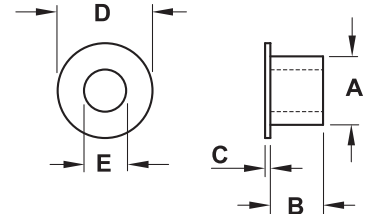
Inset cup



Plastic transparent
Packing: 100 or 5,000 pieces

	Cat. No.
Inset cup	037.03.410

Inset cup



Plastic natural
Packing: 100 pieces

Diameter D mm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. E mm	Cat. No.
9	5.8	4	0.9	4.2	037.03.000
9	6.8	4	0.8	4.4	037.03.020
9	6.8	5	0.8	4.4	037.03.010
12.5	6.9	5.3	1.7	4.1	037.03.030

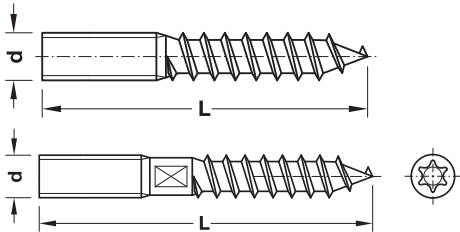


Häfele is your partner for successful projects. As well as the large selection of furniture fittings and architectural hardware in the "Complete Häfele" catalogues, the "Compact" appears every quarter.

The "Compact" provides you with attractive opportunities for completing your equipment with power tools and PPE equipment.



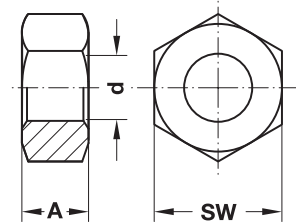
Wood to metal dowel



Steel galvanized

Dimensions d x L mm	Drive	Packing pieces	Cat. No.
Without drive			
M4 x 20	–	500	026.10.901
M4 x 30	–	500	026.10.902
M4 x 40	–	500	026.10.903
M4 x 50	–	500	026.10.904
With TS T-star drive			
M6 x 50	TS15	100	026.12.923
M6 x 80	TS15	100	026.12.926
M8 x 60	TS25	100	026.12.942
M8 x 80	TS25	100	026.12.944
M8 x 100	TS25	100	026.12.946

Hexagonal nut in acc. with DIN 934

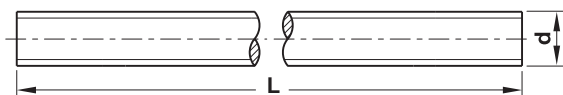
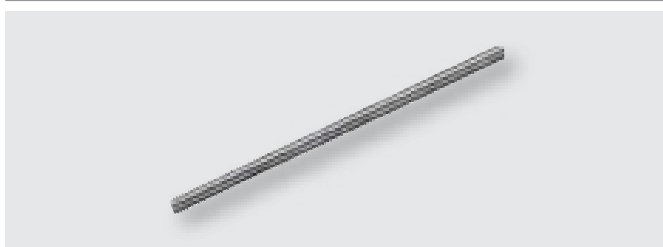


Steel galvanized

Thread Ø d	Dim. A	Key size SW mm
M4	3.2	7.0
M5	4.0	8.0
M6	5.0	10.0
M8	6.5	13.0
M10	8.0	17.0

Thread Ø d	Packing pieces	Cat. No.
M4	250	034.16.904
M5	250	034.16.905
M6	250	034.16.906
M8	250	034.16.908
M10	100	034.16.910

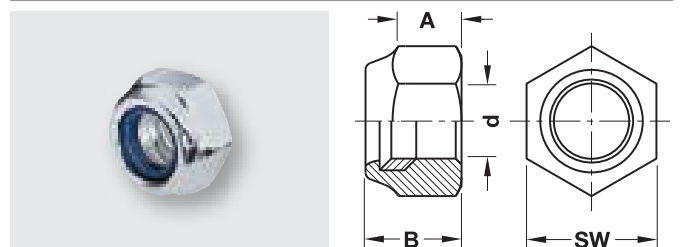
Threaded bar in acc. with DIN 975, fully threaded



Steel galvanized
Length L: 1,000 mm

Thread Ø d	Packing pieces	Cat. No.
M6	50	020.80.906
M8	25	020.80.908
M10	25	020.80.910
M12	10	020.80.912

Hexagonal locking nut in acc. with DIN 985



Steel with plastic ring galvanized

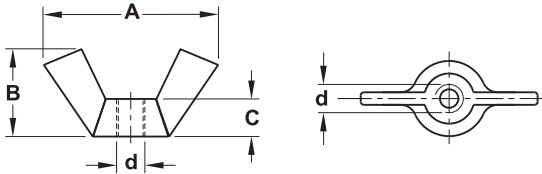
Thread Ø d	Dim. B	Dim. A	Key size SW mm
M5	5.0	3.5	8.0
M6	6.0	4.5	10.0

Packing: 250 pieces

Thread Ø D	Cat. No.
M5	034.18.905
M6	034.18.906

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Wing nut



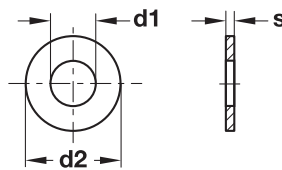
Steel galvanized,
US shape (similar to DIN 315)

Thread Ø d	Dim. A mm	Dim. B mm	Dim. C mm
M4	21.0	9.0	3.2
M5	21.0	9.0	3.5
M6	24.0	11.0	4.0
M8	28.0	14.0	5.0

Packing: 100 pieces

Thread Ø d	Cat. No.
M4	034.40.904
M5	034.40.905
M6	034.40.906
M8	034.40.908

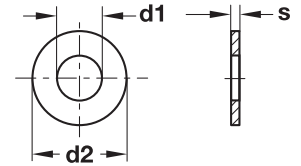
Washer in acc. with DIN 125 and DIN EN ISO 7089



Steel galvanized

Internal Ø d1 mm	External Ø d2 mm	Material thickness s mm	Packing pieces	Cat. No.
3.2	7	0.5	250	037.20.903
4.3	9	0.8	250	037.20.904
5.3	10	1.0	250	037.20.905
6.4	12.5	1.6	250 or 1,000	037.20.906
8.4	16	1.6	250	037.20.908
10.5	20	2.0	250	037.20.910
13	24	2.5	100	037.20.912

Washer in acc. with DIN 440 and DIN EN ISO 7094

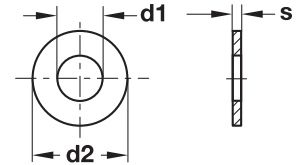
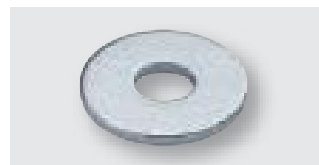


Steel galvanized

Packing: 100 pieces

Internal Ø d1 mm	External Ø d2 mm	Material thickness s mm	Cat. No.
6.6	22	2.0	037.21.906
9	28	3.0	037.21.908
11	34	3.0	037.21.910

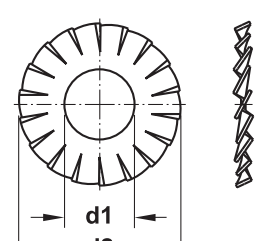
Washer in acc. with DIN 9021 and DIN EN ISO 7093



Steel galvanized

Internal Ø d1 mm	External Ø d2 mm	Material thickness s mm	Packing pieces	Cat. No.
4.3	12	1.0	250	037.22.904
5.3	15	1.2	250 or 1,000	037.22.905
6.4	18	1.6	250 or 1,000	037.22.906
8.4	24	2.0	100 or 500	037.22.908
10.5	30	2.5	100 or 200	037.22.909

Lock washer in acc. with DIN 6798



Steel galvanized

Packing: 250 pieces

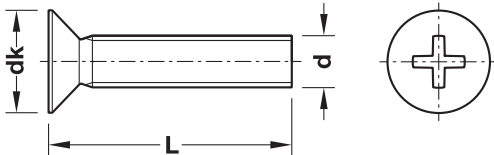
Internal Ø d1 mm	External Ø d2 mm	Cat. No.
6.4	11	037.40.906
8.4	15	037.40.908

Countersunk head PH DIN 965, fully threaded



Steel galvanized

Thread Ø d	Head Ø dk mm	Drive
M4	7.5	PH2
M5	9.2	PH2
M6	11.0	PH3
M8	14.5	PH4



Dimensions d x L mm	Packing pieces	Cat. No.
M4 x 8	250 or 1,000	020.07.063
M4 x 10	250 or 1,000	020.07.064
M4 x 12	250 or 1,000	020.07.065
M4 x 16	100 or 1,000	020.07.066
M4 x 20	250 or 1,000	020.07.067
M4 x 25	250 or 1,000	020.07.068
M4 x 30	250 or 1,000	020.07.069
M4 x 35	250	020.07.070
M4 x 40	250	020.07.071
M4 x 45	250	020.07.072
M4 x 50	250	020.07.073
M4 x 60	250	020.07.075
M4 x 70	250	020.07.077
M4 x 80	250	020.07.079

Dimensions d x L mm	Packing pieces	Cat. No.
M5 x 10	250 or 1,000	020.07.094
M5 x 20	250	020.07.097
M5 x 25	250	020.07.098
M5 x 30	250	020.07.099
M5 x 40	250	020.07.101
M5 x 50	250	020.07.103
M6 x 16	250	020.07.126
M6 x 20	250	020.07.127
M6 x 25	250	020.07.128
M6 x 30	250	020.07.129
M6 x 35	250	020.07.130
M6 x 40	250	020.07.131
M8 x 20	100	020.07.157

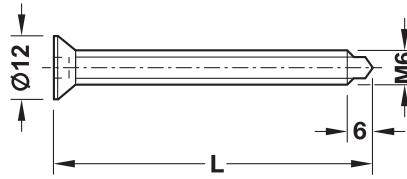
Countersunk head screw SW4, fully threaded without drill point



Steel galvanized, nickel plated or burnished, in accordance with DIN 7991, but fully threaded

Length L mm	Finish	Packing pieces	Cat. No.
22	Galvanized	100 or 1,000	264.98.922
35	Galvanized	100 or 1,000	264.98.935
40	Galvanized	100 or 1,000	264.98.940
45	Galvanized	100 or 1,000	264.98.945
50	Nickel plated	100 or 1,000	264.70.750
60	Nickel plated	100 or 1,000	264.70.760
60	Galvanized	100 or 1,000	264.98.960
60	Burnished	100 or 1,000	264.70.160
70	Nickel plated	100 or 1,000	264.70.770
80	Galvanized	100 or 500	264.98.980

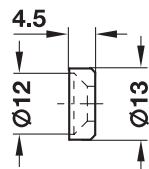
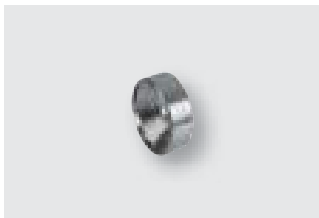
Countersunk head screw SW4, partially threaded with drill point



Steel galvanized, in accordance with DIN 7991

Length L mm	Finish	Packing pieces	Cat. No.
70	Galvanized	100 or 800	264.70.971

Rosette

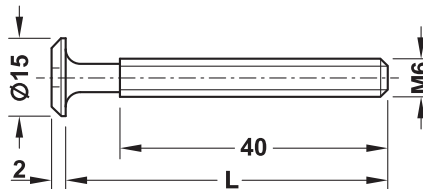


Steel

Packing: 100 or 1,000 pieces

Finish	Cat. No.
Nickel plated	264.73.750
Burnished	264.73.150

Flat head screw SW4, partially threaded

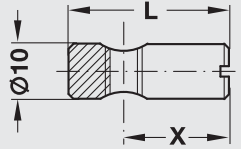


Steel

Length L mm	Packing pieces	Cat. No.
60	100 or 1,000	264.71.760
90	100 or 500	264.71.790

Cross dowel

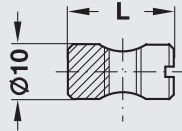
→ With M6 thread, eccentric



Steel bright

Length L mm	Dim. X mm	Packing pieces	Cat. No.
14	8	100 or 1,000	264.81.014
30	20	100 or 500	264.81.030

→ With M6 thread, centric

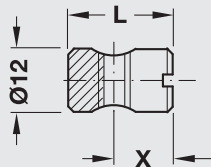
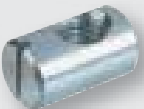


Steel bright

Packing: 100 or 1,000 pieces

Length L mm	Cat. No.
14	264.82.014
20	264.82.020

→ With M6 and M8 thread, eccentric



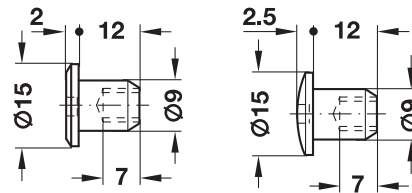
Steel galvanized

Packing: 100 or 500 pieces

Length L mm	Dim. X mm	Thread	Cat. No.
20	12	M6	264.83.921
20	12	M8	264.83.920

Sleeve nut

→ Hexagon socket SW4

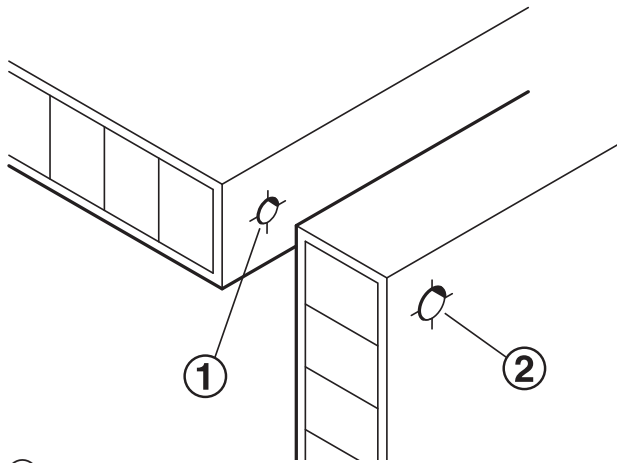


Steel

Packing: 100 or 2000 pieces

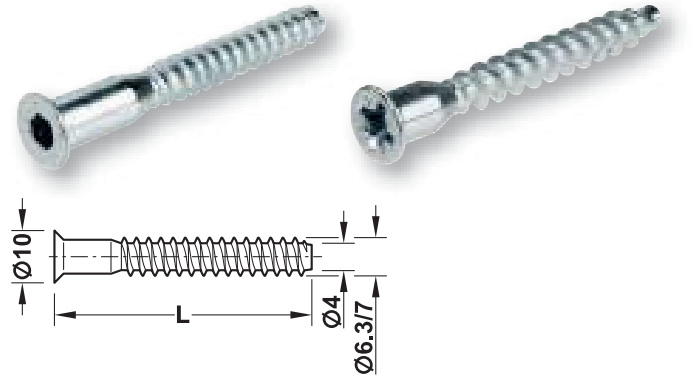
Finish	Cat. No.
With pan head	
Nickel plated	264.74.762
With flat head	
Nickel plated	264.75.762
Burnished	264.75.162

Conformat one-piece connector



- ① Blind hole with required hole \varnothing
- ② Through hole with required thread \varnothing

→ For drill hole \varnothing 5 mm, countersunk head



Steel
Shank \varnothing : 6.3/7 mm

Dimensions d x L mm	Packing pieces	Galvanized	Black
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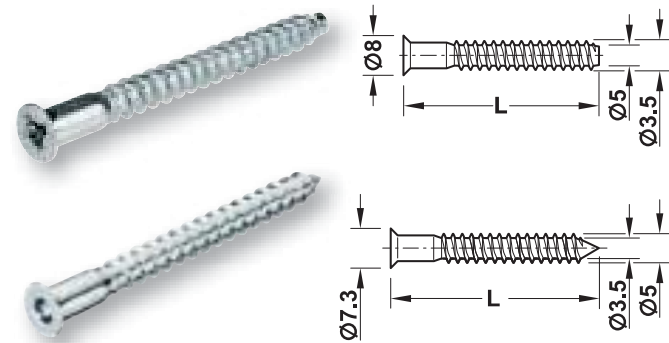
With PZ3 cross slot and head recess 3.0 mm

6.3 x 50	100 or 1,000	264.52.190	–
7.0 x 38	100 or 1,500	264.42.091	–
7.0 x 40	2000	264.42.180	–
7.0 x 50	100 or 1,000	264.42.190	–
7.0 x 70	100 or 1,000	264.42.291	–

With hexagon socket SW4

6.3 x 50	100 or 1,000	264.53.190	–
7.0 x 38	100 or 1,500	264.43.091	–
7.0 x 50	100 or 1,000	264.43.600	264.43.111
7.0 x 70	100 or 1,000	264.43.291	264.43.211

→ For drill hole \varnothing 4 mm, countersunk head



Steel
Shank \varnothing : 5 mm

Dimensions d x L mm	Packing pieces	Galvanized
---------------------	----------------	------------

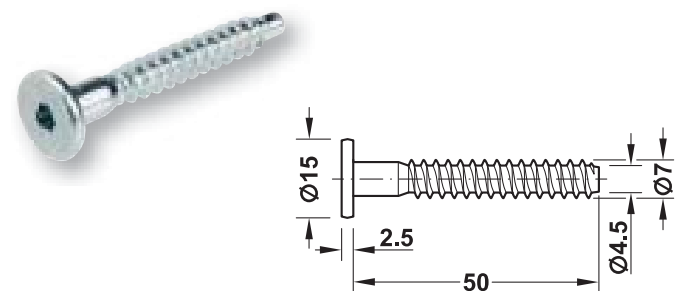
With PZ2 cross slot

5.0 x 38	100 or 2,000	264.37.098
5.0 x 50	100 or 2,000	264.37.196

With SW3 hexagon socket, with drill point

5.0 x 50	1, 100 or 2,000	264.39.192
----------	-----------------	------------

→ For drill hole \varnothing 5 mm, cylindrical head



Steel
Shank \varnothing : 7 mm

Size mm	Packing pieces	Galvanized	Black
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With hexagon socket SW4

7 x 50	100 or 1,000	264.47.191	264.47.111
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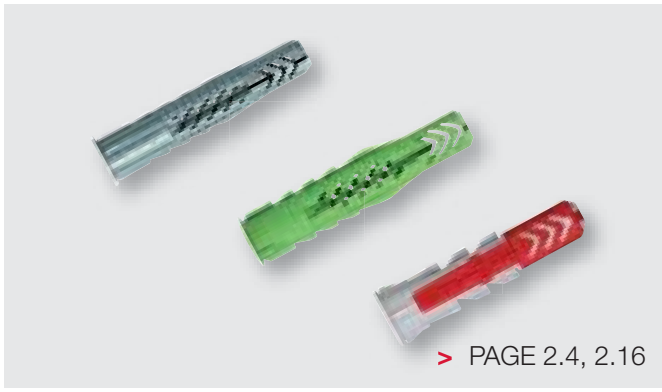


FIXING MATERIAL

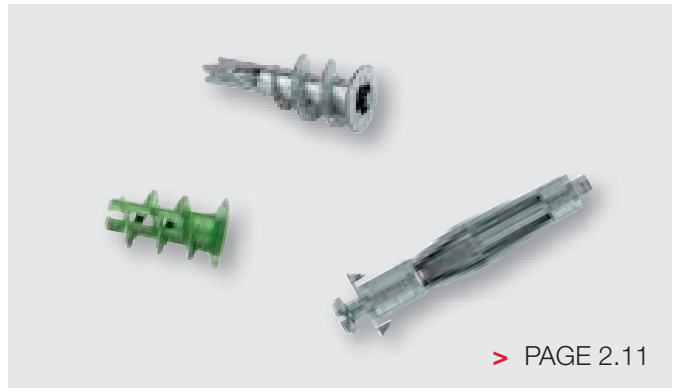
CONTENTS

FIXING MATERIAL

Universal wall plugs



Cavity fixings



Hammer fixing and plugs, wall plugs



Anchor bolt



Chemical and thermal wall plugs, accessories for wall plugs



Wooden dowels, biscuits, dovetail connectors



Panel connectors, hook-in connectors, panel mounting system



Window frame screws, adjustable screws, distance screws



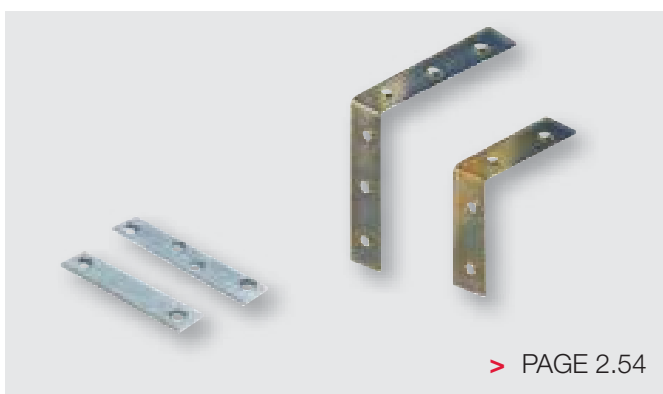
Suspension fittings, screw hooks



Sleeves, T-nuts



Connecting brackets and connecting plates

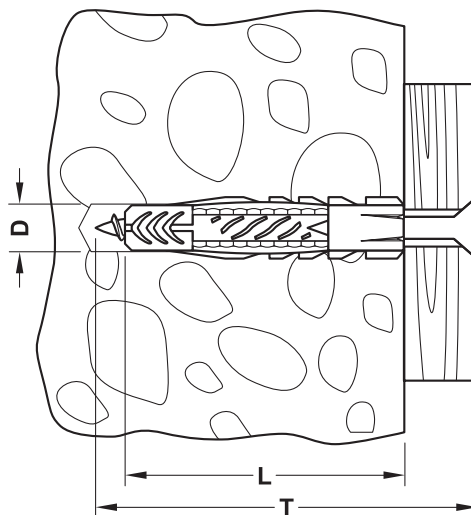
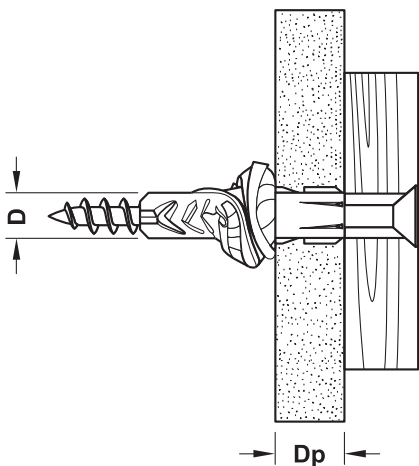


Patio construction, decking board fitting



MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

fischer UX Universal wall plug without rim



For concrete, solid masonry, perforated brick, aircrete (gas concrete), board materials, plasterboard, perforated sand-lime brick, for through bolt fitting

Resistant to weathering, ageing, corrosion and rotting

Material: Polyamide

Mounting:

- > Required screw length: Surface mounted part thickness + wall plug length + 1x screw diameter
- > Use the maximum screw diameter for through bolt fitting
- > With perforated building material: Rotary drilling mode (without hammer action)
- > With plasterboard: Use metal drill bits only

Technical data:

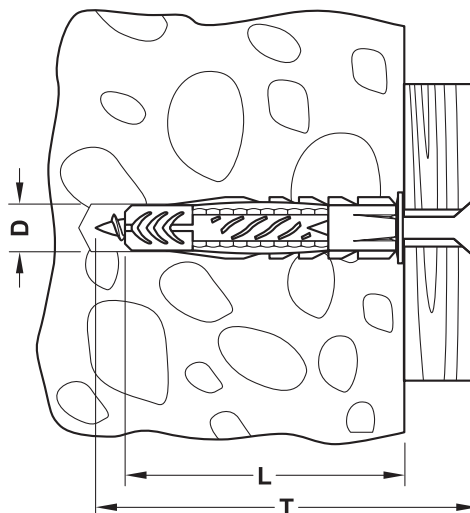
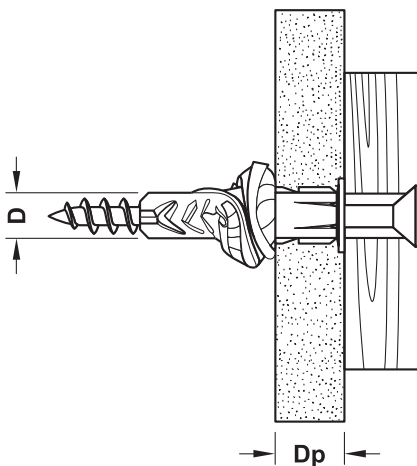
Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	Panel thickness Dp mm	For screw Ø mm
UX 6	6	≥45	35	≥9.5	4-5
UX 6 L	6	≥60	50	≥9.5	4-5
UX 8	8	≥60	50	≥9.5	4.5-6
UX 10	10	≥75	60	≥12.5	6-8
UX 12	12	≥85	70	-	8-10
UX 14	14	≥95	75	-	10-12

Model	Packing pieces	Cat. No.
UX 6	100	051.70.001
UX 6 L	100	051.70.006
UX 8	100	051.70.002
UX 10	50	051.70.003
UX 12	25	051.70.004
UX 14	20	051.70.005

fischer UX R Universal wall plug with rim



fischer 



For concrete, solid masonry, perforated brick, aircrete (gas concrete), board materials, plasterboard, perforated sand-lime brick

Resistant to weathering, ageing, corrosion and rotting

Material: Polyamide

Mounting:

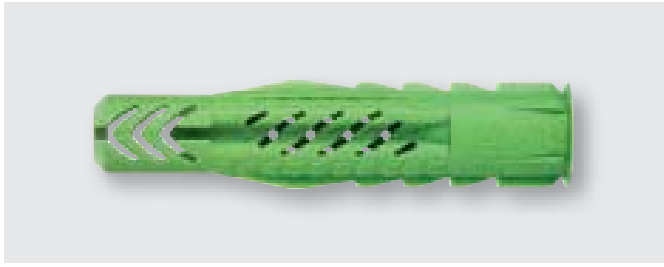
- > Required screw length: Surface mounted part thickness + wall plug length + 1x screw diameter
- > With perforated building material: Rotary drilling mode (without hammer action)
- > With plasterboard: Use metal drill bits only

Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	Panel thickness Dp mm	For screw Ø mm
UX 6 R	6	≥45	35	≥9.5	4-5
UX 6 L R	6	≥60	50	≥9.5	4-5
UX 8 R	8	≥60	50	≥9.5	4.5-6
UX 10 R	10	≥75	60	≥12.5	6-8

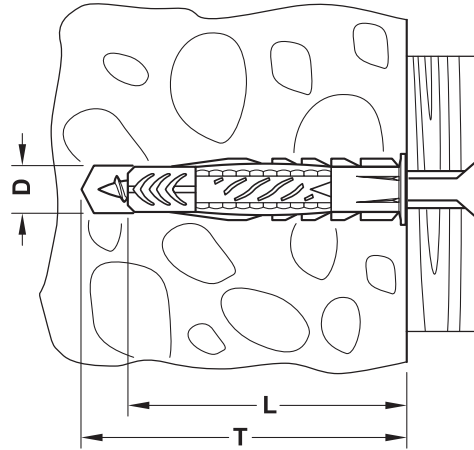
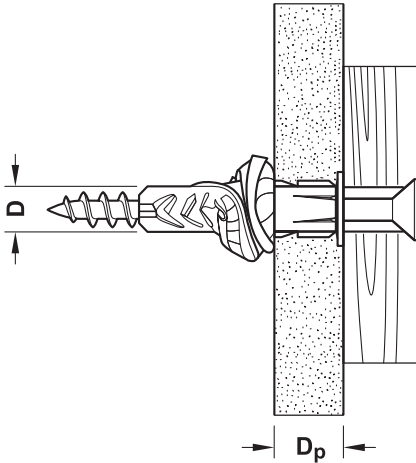
Model	Packing pieces	Cat. No.
UX 6 R	100	051.70.011
UX 6 L R	100	051.70.012
UX 8 R	100	051.70.013
UX 10 R	50	051.70.014

fischer UX GREEN Universal wall plug with rim



Installation:

- > Required screw length: Surface mounted part thickness + wall plug length + 1x screw diameter
- > Use the maximum screw diameter for through bolt fitting
- > With perforated building material: Rotary drilling mode (without hammer action)
- > With plasterboard: Use metal drill bits only



For concrete, solid masonry, perforated brick, aircrete (gas concrete), board materials, plasterboard, perforated sand-lime brick

Resistant to weathering, ageing, corrosion and rotting, with angled connecting flanges for exact screw guidance, with expanding plug tip for adapting to different screw diameters, saw teeth and blocking edges prevent turning in the drilled hole, wall plug rim to prevent sliding deeper into the drill hole, integrated hammer-in stop prevents premature spreading, can be used universally with wooden boards, chipboard and wood to metal dowels, when the screw is screwed in, the wall plug spreads in solid building materials and entangles itself in cavities, the low screw-in torque and high tightening torque mean that the wall plug has a firm grip

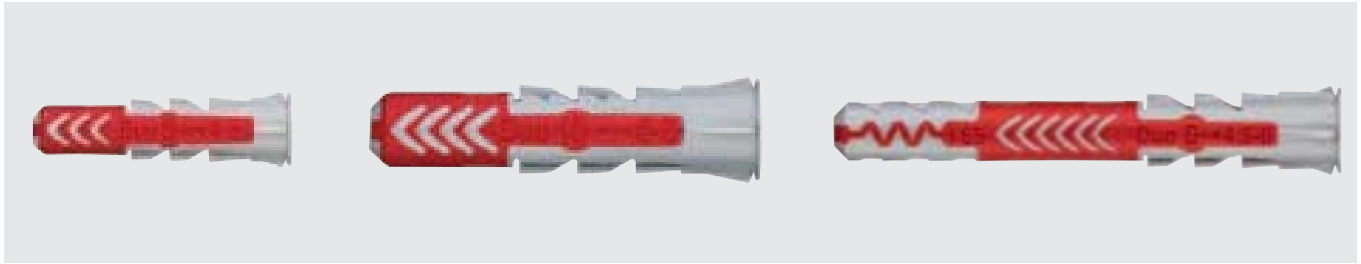
Material: Polyamide, made from at least 50 % sustainable raw materials

Technical data:

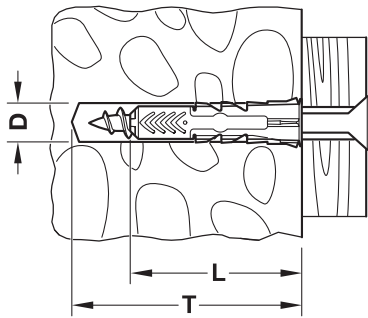
Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	Panel thickness Dp mm	For screw Ø mm
UX 6	6	≥45	35	≥9.5	4-5
UX 6 L	6	≥60	50	≥9.5	4-5
UX 8	8	≥60	50	≥9.5	4.5-6
UX 10	10	≥75	60	≥12.5	6-8

Model	Packing pieces	Cat. No.
UX GREEN 6 x 35 R	40	051.70.031
UX GREEN 6 x 50 R	40	051.70.032
UX GREEN 8 x 50 R	40	051.70.033
UX GREEN 10 x 60 R	20	051.70.034

fischer Duopower Wall plug



fischer 



For concrete, solid red brick, sand-lime brick, aircrete, vertically perforated brick, perforated sand-lime brick, plaster-based construction board, plasterboard and gypsum fibre board, hollow brick made from light concrete, hollow ceilings made from red bricks, prestressed concrete or similar, natural stone, chipboard, solid gypsum board, solid brick made from light concrete, deep drilling not required due to the short plug length, no over-tightening of the screw and the combination of 2 components ensures good load bearing capacities, with expansion wings for secure expansion and serrated anti-rotation feature to prevent plug rotation during installation, the smooth-running plug neck allows the simple positioning of the screw, narrow rim of the wall plug prevents it from slipping deeper into the drill hole, Material: Polyamide

Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	For screw Ø mm	Model	Packing pieces	Cat. No.
6 x 30	6	≥40	30	4-5	Duopower 6 x 30 mm	100	051.48.001
6 x 50	6	≥60	50	4-5	Duopower 6 x 50 mm	100	051.48.004
8 x 40	8	≥50	40	4.5-6	Duopower 8 x 40 mm	100	051.48.002
8 x 65	8	≥75	65	4.5-6	Duopower 8 x 65 mm	50	051.48.005
10 x 50	10	≥60	50	6-8	Duopower 10 x 50 mm	50	051.48.003

fischer FIXtainer Duopower wall plug box



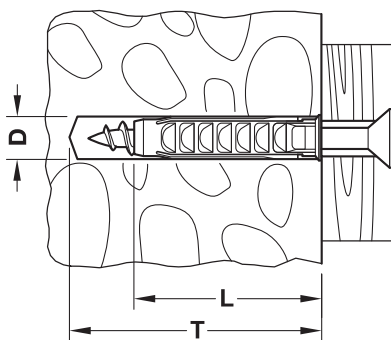
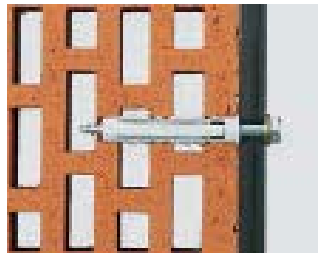
For concrete, solid and perforated building material, with popular sizes, ideal for use on the building site, with transparent lid, variable compartment configuration with removable dividers, with processing information on the back, several boxes can be firmly connected for easy transport, Dim. (L x W x H): 260 x 155 x 63 mm

Packing: 1 piece

	Supplied with	Cat. No.
Duopower wall plug box	120 pieces 6 x 30 mm	051.48.010
	60 pieces 8 x 40 mm	
	30 pieces 10 x 50 mm	
	80 pieces 6 x 30 mm	051.48.011
	40 pieces 6 x 50 mm	
	60 pieces 8 x 40 mm	
	30 pieces 8 x 65 mm	

fischer 

fischer SX/SX-L Wall plug



Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	For screw Ø mm
SX 4	4	≥25	20	2-3
SX 5	5	≥35	25	3-4
SX 6	6	≥40	30	4-5
SX 6L	6	≥60	50	4-5
SX 8	8	≥50	40	4.5-6
SX 8L	8	≥75	65	4.5-6
SX 10	10	≥70	50	6-8
SX 12	12	≥80	60	8-10

For maximum load bearing capacity in perforated building material, all concrete and masonry wall material, perforated brick, hollow brick, aircrete (gas concrete), resistant to weathering, ageing, corrosion and rotting, with vibration-absorbing and sound proofing effect, largely resistant against most chemical influences, good electrical insulating properties, maximum holding power due to four-way expansion, locking lugs prevent turning in the drilled hole

Material: Polyamide

Temperature resistance: -40 to +80°C

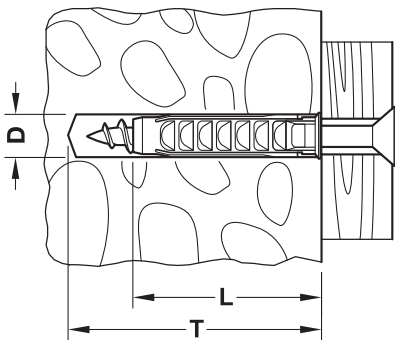
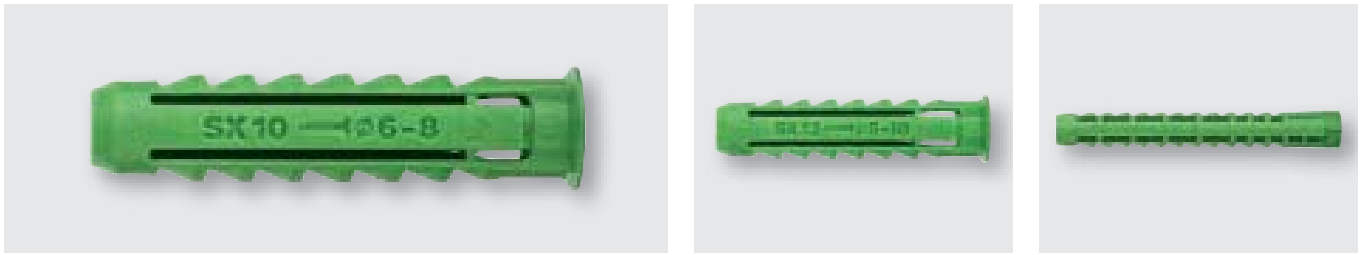
Installation: For pre-mounting with wood and chipboard screws

Note:

Max. load bearing capacity is achieved by using the maximum screw Ø and screws, that protrude the wall plug tip by the screw diameter, with soft building material: Rotary drilling mode (without hammer action)

Type	Packing pieces	Cat. No.
fischer SX		
SX 4	200	051.43.001
SX 5	100	051.43.002
SX 6	100	051.43.003
SX 6	10,000	051.43.008
SX 8	100	051.43.004
SX 8	4,000	051.43.011
SX 10	50	051.43.005
SX 12	25	051.43.006
fischer SX-L		
SX 6L	100	051.51.001
SX 8L	50	051.51.002

fischer SX GREEN Wall plug



Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	For screw Ø mm
SX 5 x 25	5	≥35	25	3-4
SX 6 x 30	6	≥40	30	4-5
SX 6 x 50	6	≥60	50	4-5
SX 8 x 40	8	≥50	40	4.5-6
SX 8 x 65	8	≥75	65	4.5-6
SX 10 x 50	10	≥70	50	6-8
SX 12 x 60	12	≥80	60	8-10

For concrete, solid masonry, perforated brick, aircrete (gas concrete), perforated sand-lime brick, resistant to weathering, ageing, corrosion and rotting, 4-way expansion provides secure anchorage in the structure and high load values, with robust anti-rotation lock for firm anchorage in the drill hole, prevents the plug from spinning in the drill hole, version with rim prevents the plug from falling into the drill hole, version without rim allows greater anchorage depths, suitable for wood screws, chipboard screws and distance screws, the expansion stress-free plug neck prevents the creation of expansion forces on the material whilst screwing in the screw. This helps to prevent damage to surfaces (tiles and plaster)

Material: Polyamide, made from at least 50 % sustainable raw materials

Version	Model	Packing pieces	Cat. No.
With rim	SX GREEN 5 x 25	90	051.43.022
	SX GREEN 6 x 30	90	051.43.023
	SX GREEN 8 x 40	90	051.43.025
	SX GREEN 10 x 50	45	051.43.027
	SX GREEN 12 x 60	20	051.43.028
	Without rim	SX GREEN 6 x 50	90
SX GREEN 8 x 65		45	051.43.026

fischer FIXtainer SX Wall plug box



fischer 

For concrete, solid and perforated building material, with transparent lid, variable compartment configuration with removable dividers, with processing information on the back, several boxes can be firmly connected for easy transport

Dim. (L x W x H): 260 x 155 x 63 mm

Supplied with:
 120 pieces of SX 6
 60 pieces of SX 8
 30 pieces of SX 10

Packing: 1 piece

	Cat. No.
SX wall plug box	001.61.055

fischer FIXtainer Assortment box without contents



fischer 

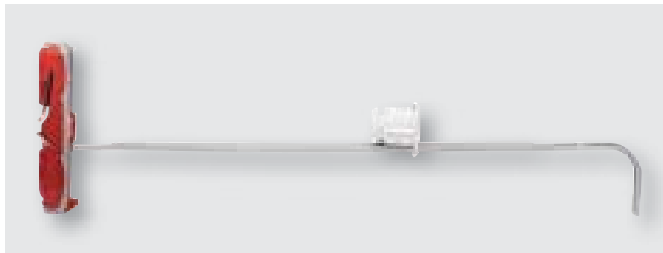
Assortment box for screws, wall plugs, bits, drill bits, diverse small items, several boxes can be firmly connected for easy transport, with transparent lid, variable compartment configuration with removable dividers

Dim. (L x W x H): 260 x 155 x 63 mm

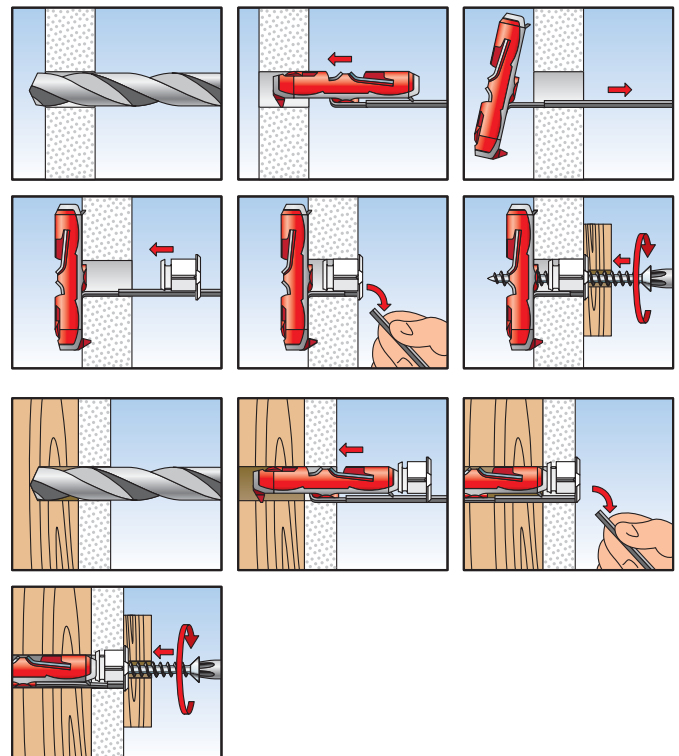
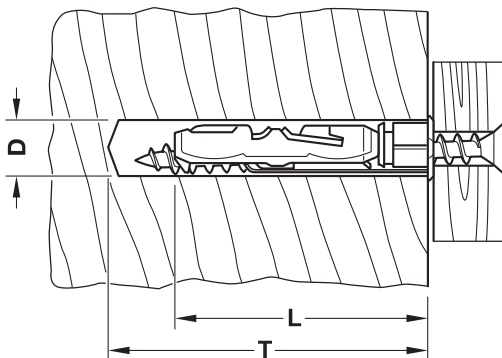
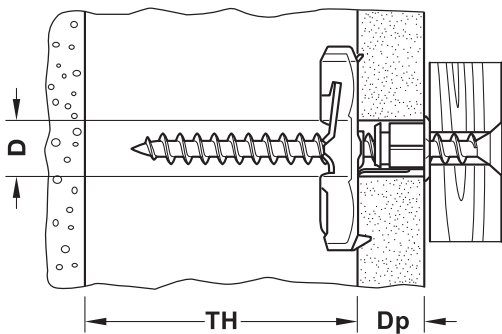
Packing: 1 piece

	Cat. No.
Box without contents	001.61.050

fischer Duotec 10 Toggle plug



fischer 



Technical data:

Drill bit Ø D mm	Drill hole depth T mm	Panel thick-ness Dp mm	Wall plug length L mm	For screw Ø mm	Min. cavity depth TH mm
10	≥57	9.5-55	47	4.5-5	40 (not insulated) 50 (insulated)

Material: Glass-fibre reinforced plastic

Installation:

- > Insert toggle element into the drill hole with the arrow pointing forward.
- > The toggle element of the plug automatically toggles behind the board, pull wall plug with bent handle onto the board.
- > Keep the bent handle under tension and push collar sleeve on bent handle flush into the drill hole. The bent handle can be snapped off by bending it back and forth.
- > Tighten fixing component hand-tight.

Packing: 50 pieces

Model	Cat. No.
Duotec 10	051.80.100

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

For board materials such as plasterboard, gypsum fibre boards, wooden panels (e.g. OSB, chipboard, MDF), steel panels, plastic panels and also suitable for solid materials such as wood and concrete, for supporting high tensile and transverse loads, does not cut into the plasterboard, therefore causes no weakening, can be used as cavity fixing or spreading dowel, screw can be screwed in and unscrewed several times, wall plug does not fall into the drill hole even without the screw, suitable for pre-mounting, with short toggle element, allows installation even in narrow, insulated cavities, with flexible screw attachment made from rustproof steel for wood and chipboard screws, threaded bar, hooks, etc., with flange sleeve for reinforcing the drill hole and increasing the transverse load bearing capacity, with curved handle for detecting obstacles (cable, substructure, pipes, etc.)

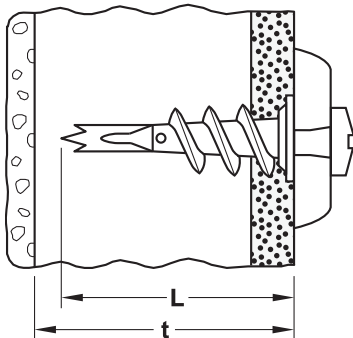
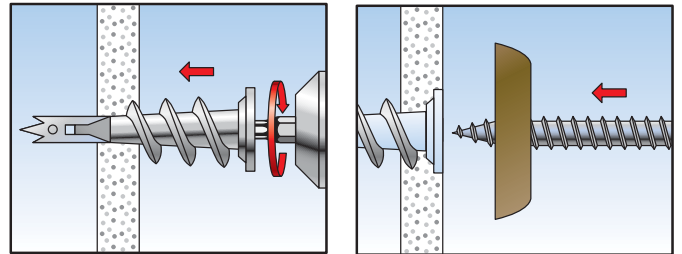
fischer GK M Plasterboard dowel



For single and double plasterboards, rear-insulated plasterboard, gypsum fibre boards (8 mm pilot drilling), little space requirement behind the board, adapted to wood, sheet metal and chipboard screws \varnothing 4.0–5.0 mm, not suitable for tiled plasterboards

Material: Zinc alloy

- > The thread grips into the building material providing a positive-fit
- > Installation with cordless/electric screwdriver or screwdriver (bit size PZ 2) without pilot drilling



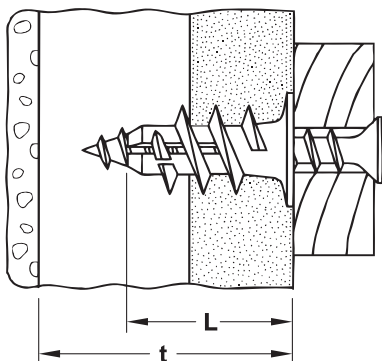
Technical data:

Type	Wall plug length L mm	For screw \varnothing mm	Thickness to first bearing layer t mm
GK M	31	4-5	≥ 35

Packing: 100 pieces

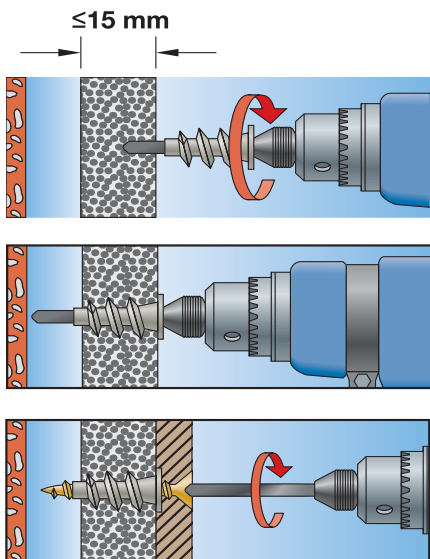
Model	Cat. No.
GKM	051.69.000

fischer GK and GK GREEN Plasterboard dowel



For single and double plasterboards, rear-insulated plasterboard, little space requirement behind the board, adapted to wood, sheet metal and chipboard screws \varnothing 4.0–5.0 mm, not suitable for tiled plasterboards, gypsum fibre boards

With continuous groove for a perfect fit and force transmission of the setting tool, with sharp, self-tapping thread for a secure, positive-fitting and load-bearing connection with the construction material, with cross slot drive for processing, even without a screwdriving tool, can also be used with unknown panel thickness and cavity depth due to short wall plug length, Material: Polyamide



Installation:

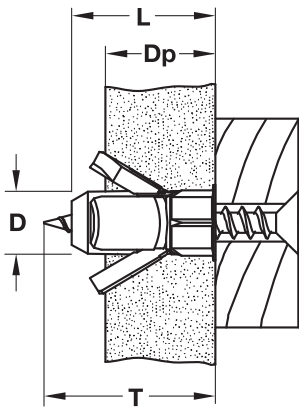
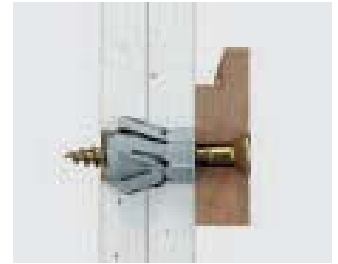
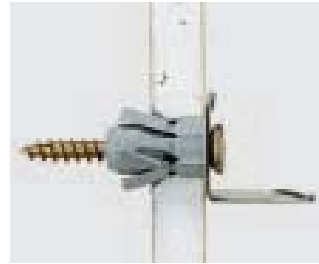
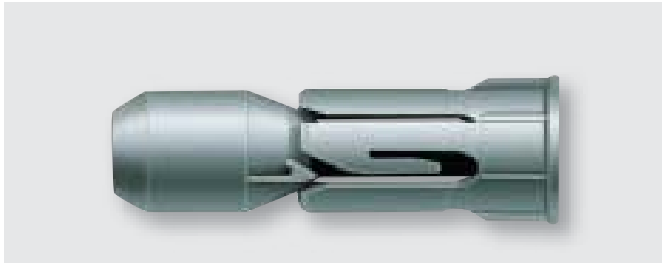
- > The wall plug grips into plasterboard using the supplied setting tool providing a positive-fit
- > Screwdriving tool for drill chuck supplied (use bit holder)
- > Installation with cordless/electric screwdriver without pilot drilling (pilot drilling required from panel thickness ≥ 15 mm)
- > Setting tool also suitable for screwing in screws

Technical data:

Type	Wall plug length L mm	For screw \varnothing mm	Thickness to first bearing layer mm
GK	22	4-5	>25

Model	Material	Supplied with	Packing pieces	Cat. No.
GK	Polyamide	1 pack of wall plugs	100	051.63.000
GK GREEN	Polyamide, made from at least 50 % sustainable raw materials	1 pack of wall plugs 1 setting tool	45	051.63.002

fischer PD Board plug



For all common board and hollow building material, plasterboard, gypsum fibre boards, chipboard, fibre cement boards, hardboards, hollow profiles, hollow-block ceilings, hollow doors, etc., resistant to weathering, ageing, corrosion and rotting, with vibration-absorbing and sound proofing effect, largely resistant against most chemical influences, good electrical insulating properties

Material: Polyamide

Mounting:

- > Only suitable for use with common fully threaded chipboard screws (not suitable for double thread)
- > High holding strength in board material by positive-fit, similar to T-slot
- > Quick and easy screwing in of chipboard screws by preformed internal thread
- > Little space requirement behind the board (low drill hole depth) by short expansion zone
- > 2 guide ribs and snap-in mechanism allow the screw to be screwed in and unscrewed several times
- > Lengthways ribs prevent the wall plug from rotating when being installed
- > The rim prevents the wall plug from falling deeper into the drill hole

Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Panel thickness Dp mm	Wall plug length L mm	For screw Ø mm
PD 8	8	≥31	6	≥29	4
PD 10	10	≥30	7	≥28	5

Packing: 100 pieces

Model	Cat. No.
PD 8	051.68.001
PD 10	051.68.002

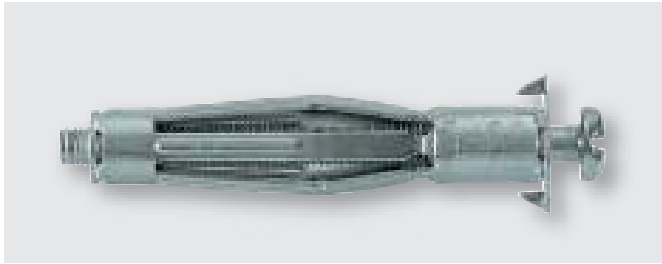


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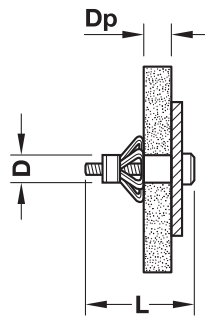
www.hafele.com

fischer HM Metal cavity fixing



fischer

For metric screws, plasterboards and gypsum fibre boards, chipboard, hollow-block ceilings, plywood with metric screw,
Material: Steel galvanized



Installation:

- > Expanding arms and radial pressure increase the load bearing capacity and security
- > Claws prevent the wall plug from rotating when being installed
- > The flush-fitted, permanently expanded wall plug allows removing and refitting of the surface mounted part for several times
- > Each dimension covers an extensive range of panel thicknesses
- > The wall plug can be mounted either with installation pliers (051.81.010), cordless screwdriver or screwdriver

Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Panel thickness Dp mm	Wall plug length L mm	Screw dimensions
HM4 x 32S	8	≥42	3 – 13	≥32	M4 x 40
HM5 x 37S	10	≥47	6 – 15	≥37	M5 x 45
HM5 x 52S	10	≥62	7 – 21	≥52	M5 x 60
HM5 x 65S	10	≥75	20 – 34	≥65	M5 x 73
HM6 x 37S	12	≥47	6 – 15	≥37	M6 x 45
HM6 x 52S	12	≥62	10 – 21	≥52	M6 x 60
HM8 x 55SS	12	≥65	10 – 21	≥55	M8 x 60

Packing: 50 pieces

Model	Cat. No.
HM 4 x 32 S	051.80.000
HM 5 x 37 S	051.80.003
HM 5 x 52 S	051.80.004
HM 5 x 65 S	051.80.005
HM 6 x 37 S	051.80.006
HM 6 x 52 S	051.80.007
HM 8 x 55 SS	051.80.010

fischer HM Z 1 Installation pliers



fischer

For mounting the HM metal cavity fixing

Packing: 1 piece

	Cat. No.
HM Z 1 installation pliers	051.81.010

fischer HM Metal cavity fixing mounting set



fischer

Suitable for plasterboard, gypsum fibre boards, chipboard, dry lining walls, hollow ceilings, cladding, panels, etc. with a thickness of 7–21 mm with HM 5 x 52 or with HM 5 x 65 mm, for fixing objects with a thickness of max. 24 mm

With installation pliers for quick and comfortable fixing of metal cavity fixings in board materials, installation with screwdriver or installation pliers

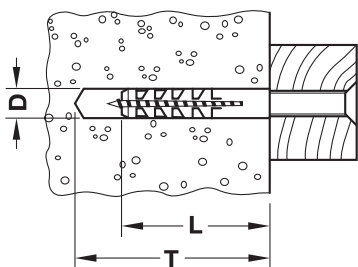
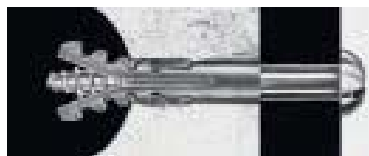
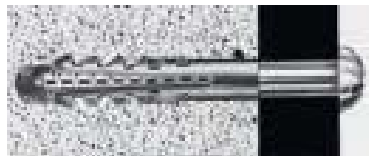
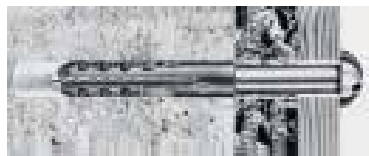
Supplied with:

- 20 HM metal cavity fixings 5 x 52 mm + screws
- 10 HM metal cavity fixings 5 x 65 mm + screws
- 1 HM Z 3 installation pliers

Packing: 1 piece

	Cat. No.
HM metal cavity fixing mounting set	051.81.020

fischer S Wall plug



Suitable for concrete, masonry wall material, perforated bricks, aircrete (gas concrete), lightweight material resistant to weathering, ageing, corrosion and rotting, with vibration-absorbing and sound proofing effect, largely resistant against most chemical influences, good electrical insulating properties

Material: Polyamide

Temperature resistance: -40 to +80 °C

Mounting:

- > For pre-mounting with wood and chipboard screws
- > High tensile and compression strength
- > Frictional connection in solid building material
- > Positive-fit connection in soft and rough building material
- > Locking lugs prevent turning in the drilled hole
- > The expansion stress-free plug neck prevents surface damage to tiles and plaster

Note:

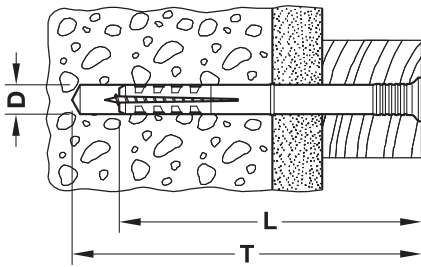
Max. load bearing capacity is achieved by using the maximum screw Ø and screws, that protrude the wall plug tip by the screw diameter, vacuum or blow-out drill hole

Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	For screw Ø mm
S5	5	≥35	25	3-4
S6	6	≥40	30	4-5
S8	8	≥55	40	4.5-6
S10	10	≥70	50	6-8
S12	12	≥80	60	8-10

Model	Packing pieces	Cat. No.
S5	200	051.40.009
S6	200	051.40.018
S8	200	051.40.027
S10	100	051.40.036
S12	25	051.40.045

fischer N GREEN Hammer fixing and plug



For concrete, natural stone, clay brick, sand-lime brick, aircrete, vertically perforated brick, solid plasterboard, light concrete, screed, with small rim for through bolt fitting, integrated hammer-in stop prevents premature spreading (jamming) of the wall plug, with screw-nail which can be unscrewed for subsequent disassembly, with countersunk head screw, wall plug: Polyamide, made from at least 50 % sustainable raw materials, nail: Steel galvanized

Installation:

- > Quick and easy through bolt fitting
- > Screw-nail can easily be knocked in and loosened again using the screw head drive

Technical data:

Dim. mm	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm
6 x 60	6	≥75	60
6 x 80	6	≥95	80
8 x 80	8	≥95	80

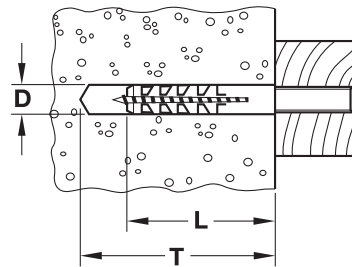
Supplied with:

Galvanized nail

Packing: 45 pieces

Model	Cat. No.
N GREEN 6 x 60/30 S	051.41.051
N GREEN 6 x 80/50 S	051.41.052
N GREEN 8 x 80/40 S	051.41.053

Hammer fixing and plug



For concrete, natural stone, clay brick, sand-lime brick, aircrete, vertically perforated brick, solid plasterboard, light concrete, screed, wall plug: Polyamide grey, nail: Steel yellow galvanized

Installation:

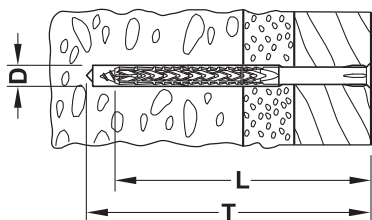
- > Quick and easy through bolt fitting
- > Screw-nail can easily be knocked in and loosened again using the screw head drive

Technical data:

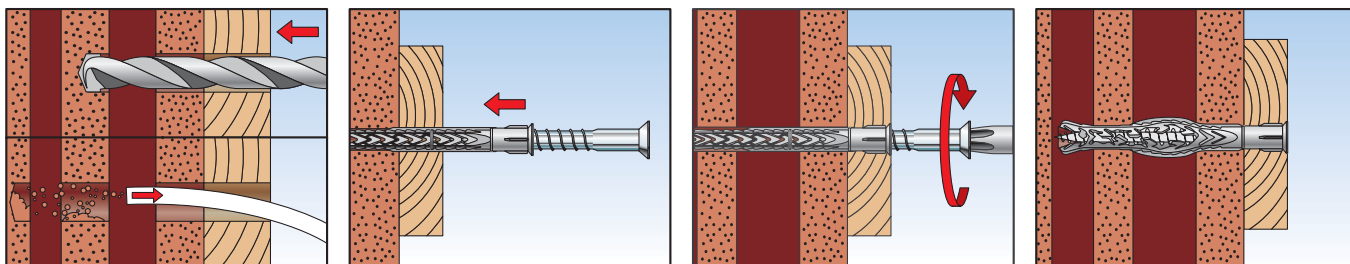
Dimensions	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm
6 x 40	6	≥50	40
6 x 50	6	≥60	50
6 x 60	6	≥70	60
6 x 80	6	≥90	80
8 x 60	8	≥70	60
8 x 80	8	≥90	80
8 x 100	8	≥110	100

Dimensions mm	Packing pieces	Cat. No.
6 x 40	200	051.14.005
6 x 50	200	051.14.006
6 x 60	100	051.14.007
6 x 80	100	051.14.008
8 x 60	100	051.14.009
8 x 80	100	051.14.010
8 x 100	100	051.14.011

fischer SXRL T Long-shaft wall plug



Installation:



Facade, ceiling and roof substructures made from wood or metal, TV brackets, kitchen wall units, wardrobes, squared edge timber, windows, gates and doors, facade substructures that are subjected to intense stress (e.g. facade structures mounted with a distance without wall support brackets), also suitable for dense natural stone and solid plasterboard

Safety lock screw: Steel
Wall plug: High-quality polyamide

Type of head: Countersunk head
Drive: T-star drive

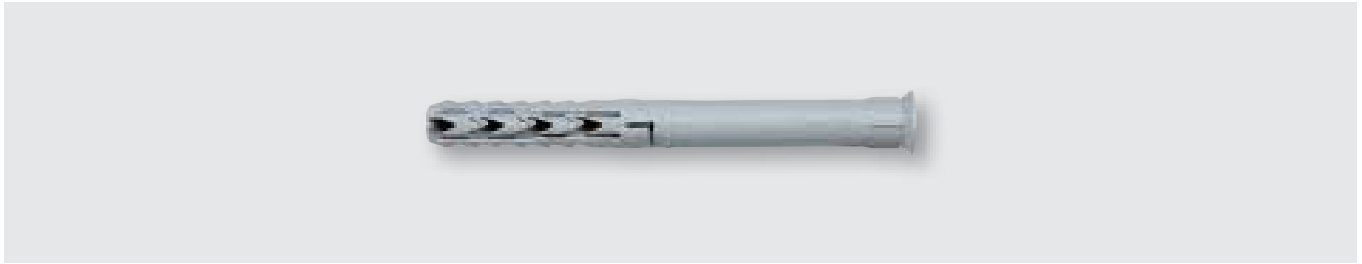
Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	Drive
SXRL 8 x 80 T	8	≥90	80	T 30
SXRL 8 x 100 T	8	≥110	100	T 30
SXRL 8 x 120 T	8	≥125	120	T 30
SXRL 10 x 100 T	10	≥110	100	T 40
SXRL 10 x 120 T	10	≥130	120	T 40
SXRL 10 x 140 T	10	≥150	140	T 40
SXRL 10 x 160 T	10	≥170	160	T 40

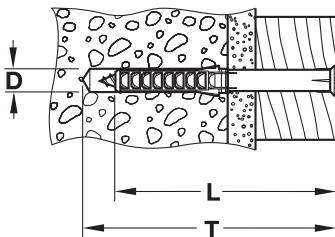
Packing: 50 pieces

Type	Cat. No.
SXRL 8 x 80 T	051.54.020
SXRL 8 x 100 T	051.54.021
SXRL 8 x 120 T	051.54.022
SXRL 10 x 100 T	051.54.023
SXRL 10 x 120 T	051.54.024
SXRL 10 x 140 T	051.54.025
SXRL 10 x 160 T	051.54.026

fischer SXR Universal long-shaft wall plug



fischer 



Concrete, lightweight concrete, solid red bricks, sand-lime bricks, solid clinker bricks, solid pumice bricks, hollow pumice bricks, gypsum wallboards, natural stone, vertically perforated bricks, perforated sand-lime brick, resistant to weathering, ageing, corrosion and rotting

Material: Polyamide

Technical data:

Type	Drill bit Ø D mm	Drill hole depth T mm	Wall plug length L mm	Screw Ø mm
SXR	8	>70	60	5.0-6.0
SXR	8	>90	80	5.0-6.0

Installation:

- > The spreading part of the wall plug must anchor in the outer flange of the stone, therefore the wall plug length must be selected accordingly
- > The wall plug is inserted or knocked in together with the screw until the wall plug rim butts against the drill hole
- > With vertically perforated brick: Use rotary drilling mode only (without hammer action)
- > For through bolt fitting
- > Long shaft compensates for: Surface mounted parts and non-bearing layers of plaster, tiles, insulation and hollow layers
- > High load bearing capacity
- > Knock-in stop prevents the wall plug from spreading when knocked in
- > Does not slip into the wall, exact screw-in depth is provided by robust rim
- > Rotating is prevented by additional rotating stops

Packing: 100 pieces

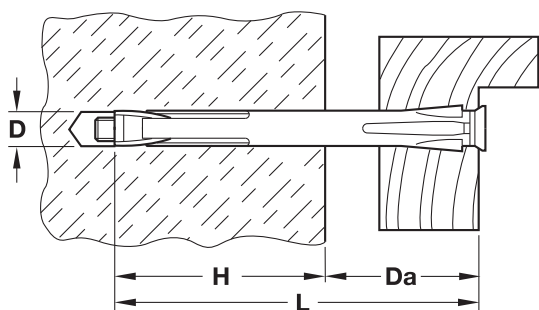
Model	Cat. No.
SXR 8 x 60	051.52.204
SXR 8 x 80	051.52.205

Metal cavity fixing



For concrete, solid red brick, sand-lime brick, vertically perforated bricks, perforated sand-lime bricks, hollow bricks, solid pumice, aircrete (gas concrete), natural stone

Sleeve: Steel galvanized, screw: Steel
 Type of head: Countersunk head
 Drive: TS30



Technical data:

Drill bit Ø D mm	Total length L mm	Drill hole depth T mm	Anchoring depth H mm	Effective length Da mm
10	92	≥110	≥30	62
10	112	≥130	≥30	82
10	132	≥150	≥30	102
10	152	≥170	≥30	122
10	182	≥200	≥30	152
10	202	≥220	≥30	190

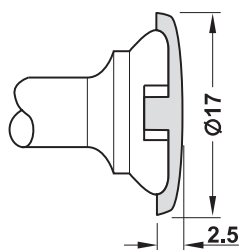
Installation:

- > Metal cavity fixing for high transverse load
- > Extremely good protection against corrosion by means of the zinc coated cavity fixing sleeve
- > For through bolt fitting
- > Tensile and compression resistant connection with metal and plastic profiles provided by locking lugs on cavity fixing neck
- > The cavity fixing expands stress-free without pulling the workpiece against the building material (important for spacings and already aligned components)

Packing: 100 pieces

Model	Cat. No.
10 x 92	051.71.972
10 x 112	051.71.973
10 x 132	051.71.974
10 x 152	051.71.975
10 x 182	051.71.976
10 x 202	051.71.977

Plastic cover cap



For cavity fixings with TS drive,
 For plug fitting into screw head

Packing: 100 pieces

Colour	Cat. No.
White	051.60.746

fischer FAZ II Anchor bolt



fischer 

For through bolt fitting,
for fixing steel structures, handrails, brackets, ladders, cabling, machines, stairs, gates, facades, window elements,
wood constructions

Approved for uncracked concrete and cracked concrete B25–B55 and C20/25–C50/60,

Steel galvanized

Technical data:

Type FAZ II	Drill hole Ø mm	Min. drill hole depth with through bolt fitting	Min. anchoring depth mm	Wall plug length mm	Max. effective length mm	Thread D x length mm	Key size	U-disk external Ø x thickness mm
8/30	8	95	45	95	30	M8 x 41	13	16 x 1.6
10/10	10	90	60	95	10	M10 x 24	17	20 x 2
10/100	10	180	60	185	100	M10 x 100	17	20 x 2

	Drill bit diameter mm	Packing pieces	Cat. No.
FAZ II 8/30	8	50	051.67.021
FAZ II 10/10	10	50	051.67.025
FAZ II 10/100	10	20	051.67.030

HM hammer drill bit

► MT 6.21

fischer TB/TBB Stair-tread fixing



fischer 

For attaching wooden steps/boards >30 mm to steel profiles (TB) or concrete or solid building material (TBB)

Installation:

For push fitting and screw fixing, for optimum holding power glue wall plug into the wood using cold glue

Packing: 50 pieces

Model	Cat. No.
TB	051.55.000
TBB	051.55.001

fischer TBZ 2 Centring tip



fischer 

For fischer TB/TBB stair-tread fixing

Packing: 10 pieces

Model	Cat. No.
TBZ 2	051.55.002

fischer fill & fix Injection fixing



fischer 

Ideal for repairing and filling ripped-out drill holes, suitable for any building material,

for screwing in screws into cured material (like in wood)

Temperature resistance: -10 to +40 °C

Version: can be painted, can be sanded

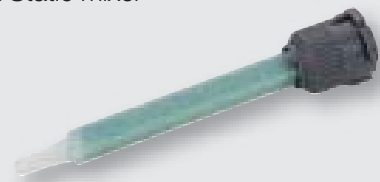
Supplied with:

- 1 fill & fix double cartridge
- 2 mixing nozzles
- 2 extension hoses
- 4 mesh sleeves 10 x 45 mm

Packing: 1 piece

Contents	Cat. No.
25	051.73.101

→ fischer fill & fix Static mixer



Supplied with: 6 pieces

Packing: 1 packing

	Cat. No.
Static mixer	051.73.109

fischer 150 C/300 T Injection mortar



150 C



300 T

For anchoring in concrete C20/25 to C50/60, uncracked, hollow brick made from light concrete, hollow brick made from concrete, vertically perforated brick, perforated sand-lime brick, sand-lime brick, solid red brick, concrete C12/15,

for use in combination with FIS A anchor rods and FIS H injection anchor sleeves, two component hybrid synthetic resin mortar

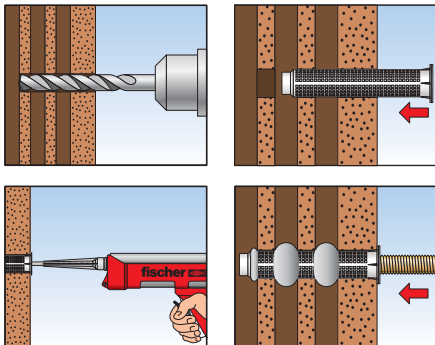
Processing temperature: +5 to +40 °C

Temperature resistance: -40 to +80 °C

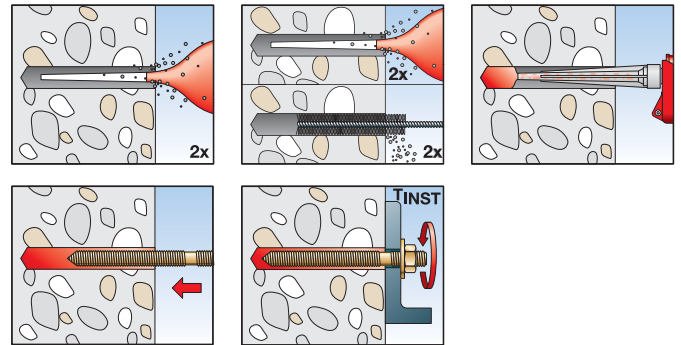
- > Read installation instructions carefully before processing
- > The drill hole must be dry and thoroughly cleaned otherwise the load bearing capacity may be reduced
- > Processing with commercial sealant guns
- > Maximum holding power in any building material, also with problematic building material
- > Expansion stress-free anchoring
- > Reliable thorough mixing provided by static mixer



Installation in perforated brick (with anchor sleeve):



Installation in solid building material (without anchor sleeve):



Processing and curing time

- > The cartridge temperature must be at least +5°C for processing
- > The time specifications begin when mixing the resin and hardener in the static mixer
- > The mixer must be changed with increased processing times, i.e. working with interruptions
- > The curing times must be doubled with wet anchoring grounds

Technical data:

Cartridge temperature of mortar °C	Processing time in minutes	Temperature of anchoring ground °C	Curing time
+5 to +10	–	-5 to 0	24 h
	–	0 to +5	3 h
+10 to +20	9	+5 to +10	90 min
	5	+10 to +20	60 min
+20 to +30	4	+20 to +30	45 min
+30 to +40	2	+30 to +40	35 min

	Contents ml	Supplied with	Cat. No.
fischer 150 C/300 T injection mortar	145	1 cartridge, 2 static mixers, 6 FIS H anchor sleeves 16 x 85 mm	051.73.085
fischer 150 C/300 T injection mortar	300	1 cartridge, 2 static mixers	051.73.086

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

fischer GREEN 300 T Injection mortar



For reinforced/unreinforced concrete, solid red brick and vertically perforated brick, perforated sand-lime brick, solid building blocks and perforated building blocks, hollow brick made from concrete, aircrete, natural stone with environmental declaration EPD of the Institut Bauen und Umwelt e. V. (Institute of Construction and the Environment), for indoor and outdoor use, best possible emission class A+ (in accordance with French VOC legislation), the product is non-labelled and therefore does not bear a hazardous material symbol, two component synthetic resin mortar, 50–85 % biobased

Installation:

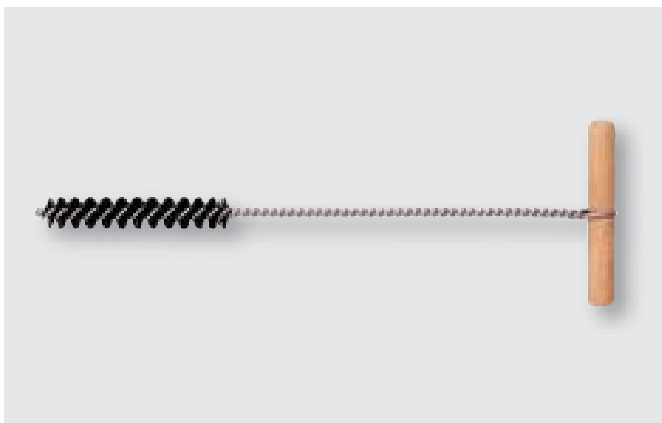
- > Read installation instructions carefully before processing
- > The drill hole must be dry and thoroughly cleaned otherwise the load bearing capacity may be reduced
- > Processing with commercial sealant guns
- > Maximum holding power in any building material, also with problematic building material
- > Expansion stress-free anchoring
- > Reliable thorough mixing provided by static mixer

Packing: 1 piece



Contents ml	Supplied with	Cat. No.
300	1 cartridge of injection mortar, 2 static mixers	051.73.087

fischer Highbond FHB-B Drill hole brush



For cleaning drill holes

Packing: 1 piece

Type	For drill hole Ø mm	Cat. No.
BS Ø 10	10	051.73.095
BS Ø 12	12	051.73.096
BS Ø 16/18	16/18	051.73.098

fischer Blow-out pump

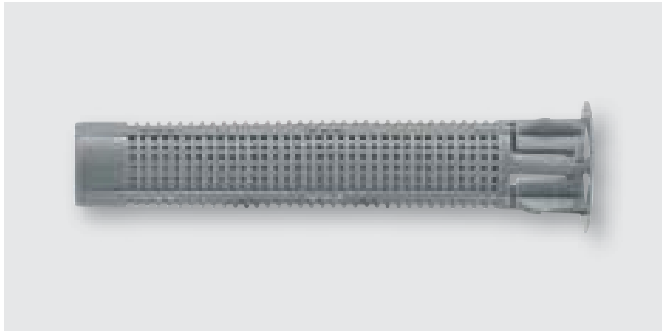


For cleaning drill holes
Length: 370 mm

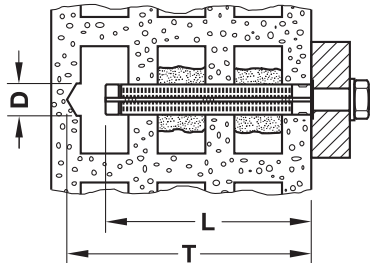
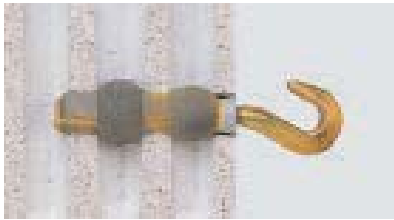
Packing: 1 piece

Type	Cat. No.
AGB, large	051.73.099

fischer FIS H K Injection anchor sleeve



fischer 



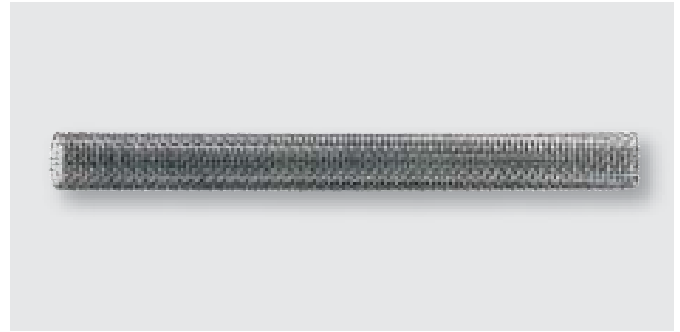
Building regulations approved in conjunction with FIS M6-M16, plastic

Technical data:

Drill bit Ø D mm	Drill hole depth T mm	Anchor sleeve length L mm	Suitable for use with attaching parts	Capacity in scale units
12	≥95	85	M6-8	10
16	≥140	130	M8-10	15

Model	Packing pieces	Cat. No.
FIS H 12 x 85 K	50	051.73.032
FIS H 16 x 130 K	20	051.73.034

fischer FIS H L Injection anchor sleeve



fischer 



For threaded bars in solid and perforated building material, steel

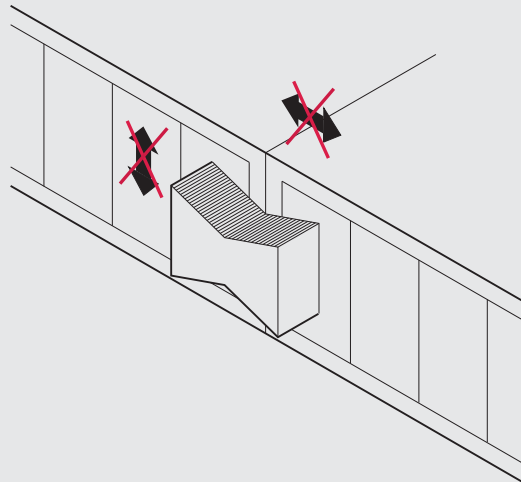
Technical data:

Type	Drill bit Ø mm	Total length mm	Suitable for use with at- taching parts
FIS H 16 x 1,000 L	16	1,000	M10-M12

Packing: 10 pieces

Type	Cat. No.
FIS H 16 x 1000 L	051.73.012

Hoffmann Dovetail key



For flush and surface connections,
for connections at **any mitre angle**

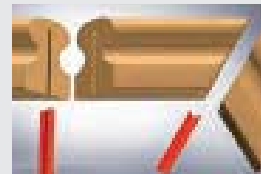
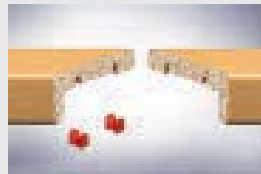
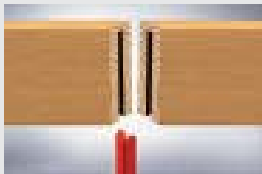
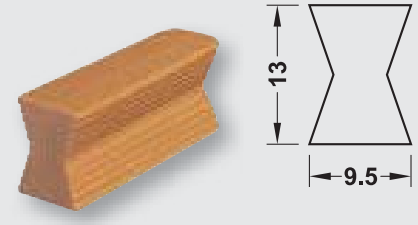
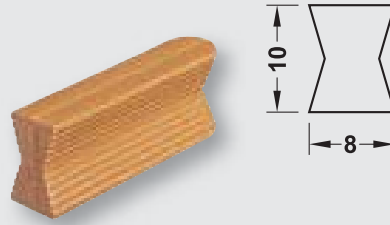
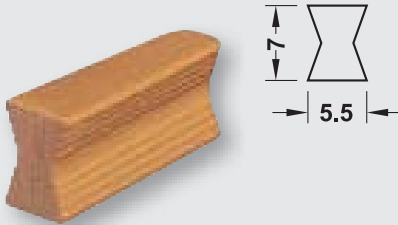
Plastic
Brown

- > Connection with the well-tried dovetail shape
- > Workpieces can be glued without using screw-clamps
- > Further processing can take place immediately after gluing
- > Optional: Connection without glue

→ Hoffmann dovetail key W1,
for frames, slats, bar profiles

→ Hoffmann dovetail key W2,
for furniture, plinths, door lining

→ Hoffmann dovetail key W3,
for interior fitting, worktops,
handrails



Packing: 1,000 pieces

Length mm	Cat. No.
6	267.76.106
10	267.76.110
14	267.76.114
18	267.76.118
22	267.76.122
30	267.76.130
40	267.76.140
50	267.76.150
60	267.76.160

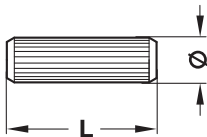
Packing: 1,000 pieces

Length mm	Cat. No.
6	267.76.206
9.5	267.76.209
12	267.76.212
14	267.76.214
15.8	267.76.216
18	267.76.218
20.6	267.76.221
22	267.76.222
25.4	267.76.225
32	267.76.232
38	267.76.238
46	267.76.246
60	267.76.260

Packing: 1,000 pieces

Length mm	Cat. No.
12.7	267.76.313
15.8	267.76.315
17.5	267.76.317
19	267.76.319
25.4	267.76.325
31.7	267.76.332

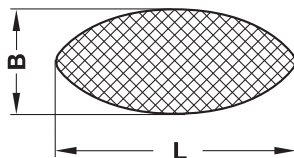
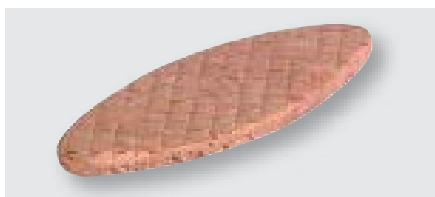
Wooden dowel



Beech,
suitable for automatic feed

Diameter mm	Length L mm	Quantity pieces/kg	Packing kg	Cat. No.
5.0	25	Approx. 3,200	10	267.82.026
6.0	25	Approx. 2,150	10	267.82.125
6.0	30	Approx. 1,800	10 or 250	267.82.130
6.0	40	Approx. 1,325	10	267.82.140
8.0	27	Approx. 1,140	10	267.82.227
8.0	30	Approx. 1,000	10	267.82.230
8.0	35	Approx. 865	10	267.82.235
8.0	40	Approx. 760	10	267.82.240
8.0	45	Approx. 670	10	267.82.248
8.0	50	Approx. 600	10	267.82.250
10.0	30	Approx. 630	10	267.82.330
10.0	40	Approx. 450	10	267.82.340
10.0	50	Approx. 360	10	267.82.350
10.0	60	Approx. 315	10	267.82.360
12.0	50	Approx. 260	10	267.82.450
12.0	60	Approx. 220	10	267.82.460
16.0	100	Approx. 67	10	267.82.610
16.0	120	Approx. 65	10	267.82.612
16.0	155	Approx. 46	10	267.82.615

Biscuits



Beech
Thickness: 4 mm

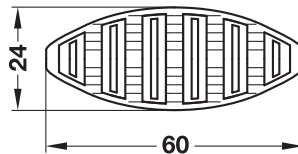
Technical data:

Size	For groove depth mm	Length L mm	Width B mm
0	8	47	15
10	10	53	19
20	12	56	23
3	16	56	30

Packing: 100 or 1,000 pieces

Size	Cat. No.
0	267.90.000
10	267.90.010
20	267.90.020
3	267.90.004

K 20 Straightening biscuit



Plastic wine red,
for fixing and precise tightening
of connected parts

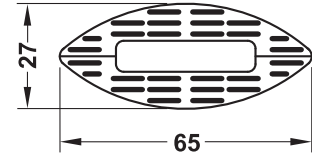
Application:

For any type of biscuit connection,
one or two K 20 straightening biscuits
can be inserted between the wooden
biscuits.

Packing: 1 or 250 pieces

Thickness mm	Cat. No.
4.5	267.91.020

**Lamello Bisco P-14
Straightening biscuit**



Plastic, black,
for aligning and fixing in P-14 system
grooves, as connecting element
with white glue

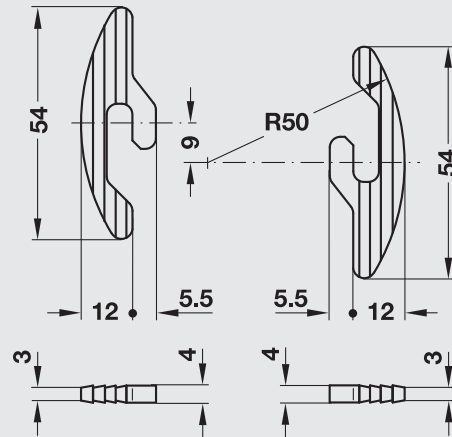
Note:

Ideal for use within the P-14 system
grooves and in addition to the
Clamex P-14 connector.
Glue fixing of the straightening biscuit
is not required.
Bisco P-14 can also be used like
a wooden biscuit with white glue.

Packing: 50 or 300 pieces

Thickness mm	Cat. No.
7.0	267.91.133

Haas Biscuit connector, removable



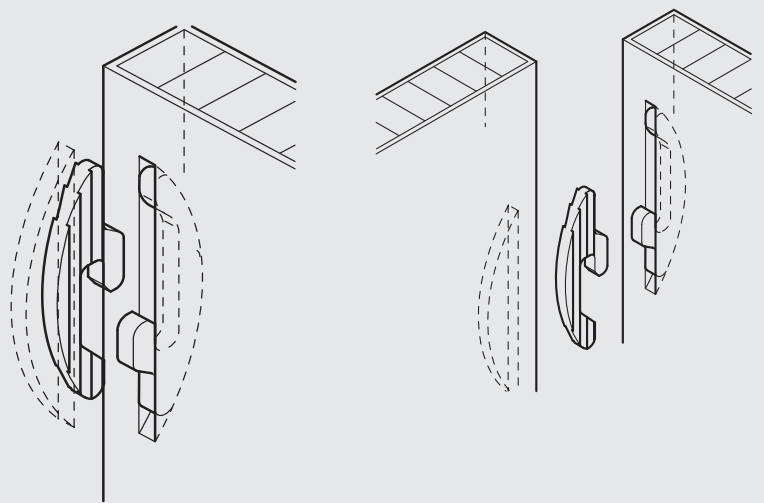
For T-connections, flush angle connections and mitred angle connections with harpoon-type flanges
 aluminium
 bright
 Installation: For press fitting into milled grooves

Installation:

- > Mill the groove
- > Coat grooves with dual-component adhesive
- > Press connecting fitting into milled grooves using insertion tool

Note:

At least 9 mm of space is required above for fitting together and taking apart.



Packing: 10 or 100 pairs

	Cat. No.
Biscuit connector	262.48.000
Uhu-Plus endfest 300 two component adhesive	▶ MT 3.24

→ Insertion tool



For exact insertion of Haas fasteners into milled-out grooves

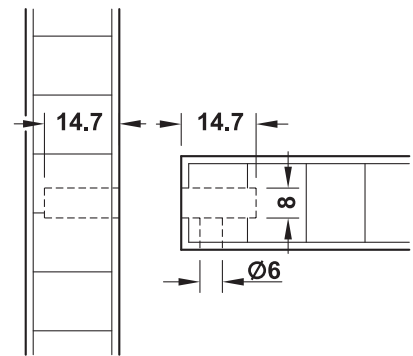
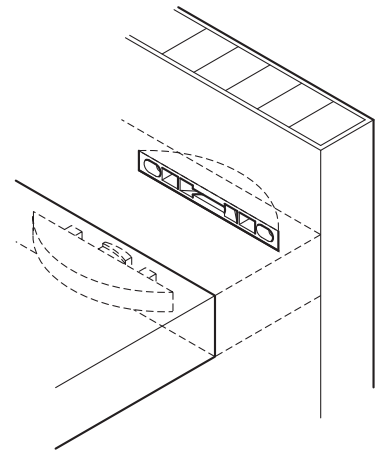
Material: steel
 Finish: bright

Packing: 1 piece

	Cat. No.
Insertion tool	262.48.091

Lamello Clamex S Biscuit connector

- > Can be processed with every Lamello biscuit jointer
- > Can be removed and re-tightened often, suitable for continuous use, e.g. for trade fair construction
- > Powerful connections, since the tensioning element makes high force transfer possible
- > No rotating of the components by guide pins
- > Lateral adjustment possible
- > Stackable when installed, since no protruding parts on the surface

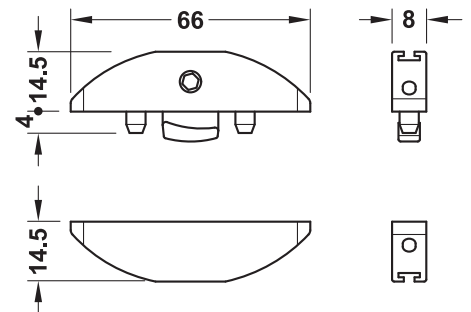


For corner, centre panel and surface connections, and mitre joint connections from 30° – 180°, for solid wood and board material for wood thickness: From 16 mm plastic
 Bolt: Zinc alloy
 Drive: SW4 hexagon socket
 Adjustment facility: Lateral ±1 mm (max ±1.25 mm)

Installation:

- 1 Mill 8 mm groove for connector (biscuit jointer, setting D = 14.7 mm), alternatively 2 x 4 mm groove
- 2 Drill 6 mm opening for tightening element
- 3 Insert connector and screw fix with 3 x 15 mm Pan head screw
- 4 Join workpieces and tighten with SW4 hex key

→ Clamex S Connector



Order reference:

We recommend the use of the 8 mm biscuit jointer blade (see accessories) that is suitable for all Lamello biscuit jointers. When used as mitre-joint connector, then the Clamex S drilling jig with 6 mm twist drill bit must be ordered separately.

Supplied with:

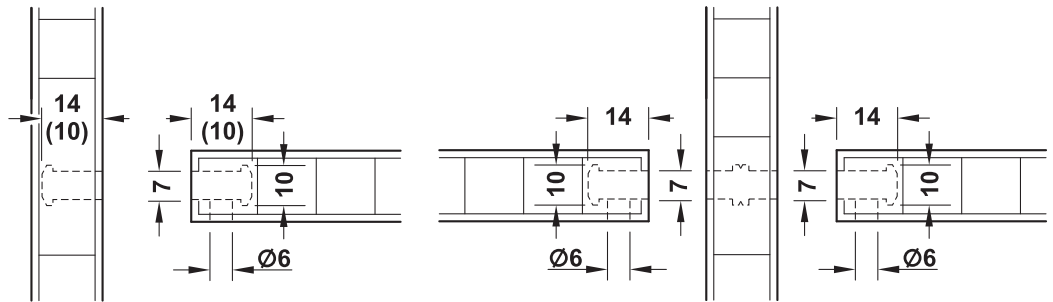
- Starter set:
- > 18 pairs of connectors including 75 Pan head screws 3 x 15 mm
 - > Marking template 90°, hex key SW4

Order reference: 1 piece = 1 pair

Version	Packing		Cat. No.
Clamex starter set with zinc alloy bolt	1	pack	267.91.121
Clamex with zinc alloy bolt	80	pieces	267.91.172
	300	pieces	267.91.122

Lamello Clamex P-14/10 Cabinet connector removable

P-System



Quick installation without tools, positive-fitting connection – no glue fixing, screw fixing, can be removed and re-tightened often, suitable for continuous use, e.g. for trade fair construction, powerful connections, since the tensioning element makes high force transfer possible, lateral adjustment possible, for corner, centre panel and surface connections, and mitre joint connections from 30° – 180°, for solid wood and board material

Installation:

- > Mill 7 mm groove with T-slot for connector
- > Drill 6 mm opening for tightening element
- > Push in connector
- > Join workpieces and tighten with SW4 hex key

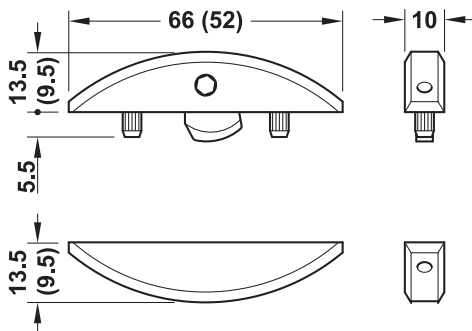
Note:

- > The Bisco P straightening biscuit is the ideal addition to the Clamex P-14 for P system grooves.
- > The Lamello Zeta P2 biscuit jointer and biscuit jointer with profile groove function are required for installation.
- > The profile groove can be milled with the biscuit jointer with profile groove function using a CNC machine for series manufacture.

→ Lamello Clamex P-14/10 Cabinet connector



Plastic
Bolt: Zinc alloy
Drive: SW4 hexagon socket
Adjustment facility:
Lengthways ±1.5 mm



Order reference: 1 piece = 1 pair

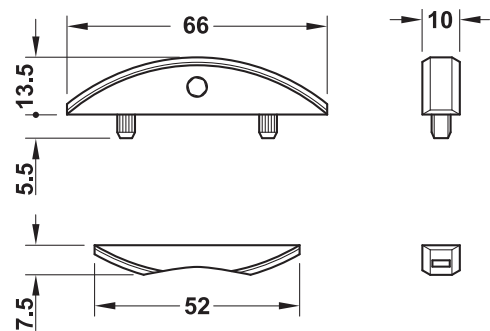
Model	For wood thickness mm	Packing pieces	Cat. No.
Clamex P-14	From 16	80	267.91.186
		300	267.91.136
Clamex P-10	From 13	80	267.91.180
		300	267.91.130

	Cat. No.
Lamello Clamex P-14 starter kit	267.91.127

→ Clamex P-14/10 Medius Connector



Plastic
Bolt: Zinc alloy
Drive: SW4 hexagon socket
Adjustment facility:
Lengthways ±1 mm



Note:

- > One-sided installation from wood thickness 12 mm.
- > Profile groove position identical from wood thickness 16 mm, therefore no offset routing position required with centre panels.

Order reference: 1 piece = 1 pair

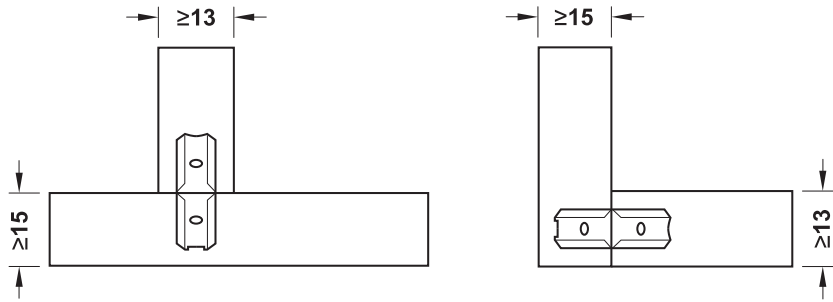
Model	For wood thickness mm	Packing pieces	Cat. No.
Clamex P-14/10	From 16	80	267.91.188
		300	267.91.138

Lamello Tenso P-14 Cabinet connector with pre-stress facility, for bonding

P-System



Gluing aid for cabinets with centre panels and intermediate shelves, for column claddings in stores, for drawers, installation of front panels, plug fitting onto plinths, ceiling panels, covers and handle profiles



The ideal gluing aid:

- > Without using screw-clamps or pressing devices
- > For concealed applications
- > Facilitated storage and transport of the workpieces

When using pre-load clip:

- > Little effort: Only briefly applying pressure is needed for engaging the fitting
- > Easy connection of workpieces, even with several connectors
- > The pre-load clip is easily pushed in using the installation tool

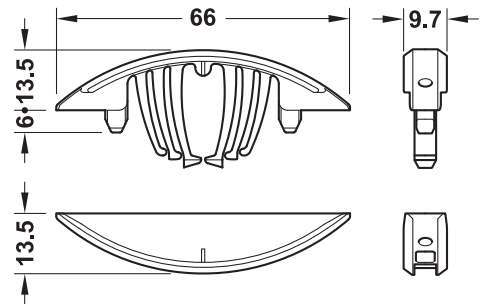
Note:

- > The connector must always be used in combination with glue.
- > The connection cannot be separated after engagement of the Tenso P-14.
- > Trial connection with Bisco P-14 possible.
- > Lengthways groove and system groove required: Processing with Lamello Zeta P2 biscuit jointer or CNC machine

→ Lamello Tenso P-14 Connector



Plastic, Routing depth: 14 mm
 Tolerance specification: lateral: ±1 mm, sliding tolerance: ±2 mm
 Tensile force: approx. 15 kg/connector,
 Retention force: approx. 25 kg/connector
Order reference: 1 piece = 1 pair
Note: Optimised product, also for use with pre-load clip



	Packing pieces	Cat. No.
Lamello Tenso P-14 connector	80	267.91.192
	300	267.91.152

→ Lamello Tenso P-14 Starter kit



Supplied with:
 80 pairs of connectors
 80 pre-load clips
 1 insertion tool

Packing: 1 set

	Cat. No.
Lamello Tenso P-14 starter kit	267.91.151

→ Lamello Tenso P-14 Pre-load clip

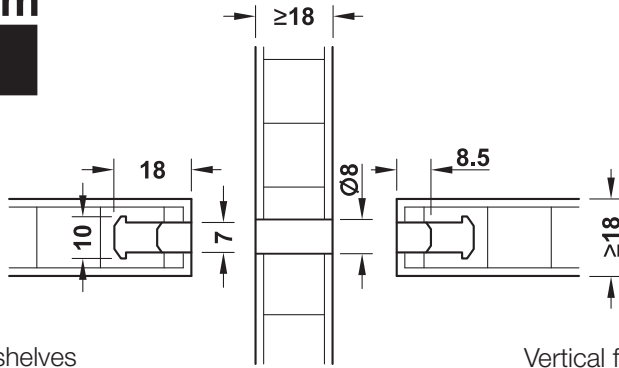


Supplied with:
 300 pre-load clips
 1 insertion tool
Packing: 300 pieces

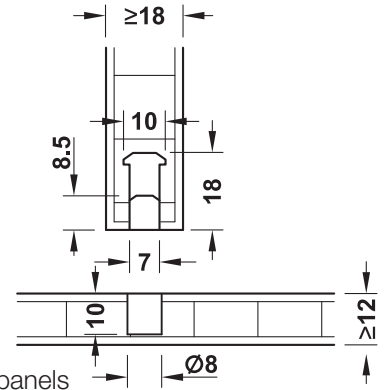
	Cat. No.
Lamello Tenso P-14 pre-load clip	267.91.159

Lamello Divario P-18 Shelf connector

P-System



Horizontal for shelves



Vertical for intermediate panels

- > Can be pushed in effortlessly until tightening point is reached
- > Connects and tightens when pushed in
- > Shelves can be removed and re-tightened repeatedly, e.g. for transport
- > Quick and toolless installation without glue or clamping aids
- > Concealed connection with evenly closed gaps

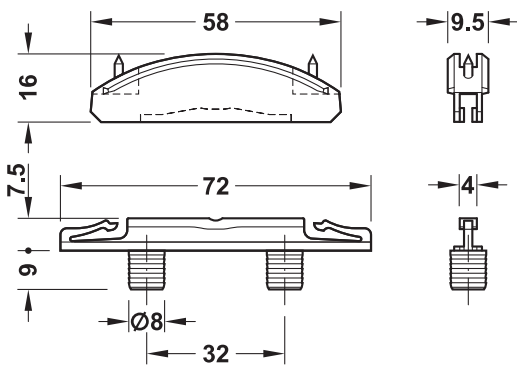
Note:

- > Lengthways groove and system groove required: Installation with Lamello Zeta P2 biscuit jointer and biscuit jointer with profile groove function.
- > The profile groove can be milled with the biscuit jointer with profile groove function using a CNC machine for series manufacture.

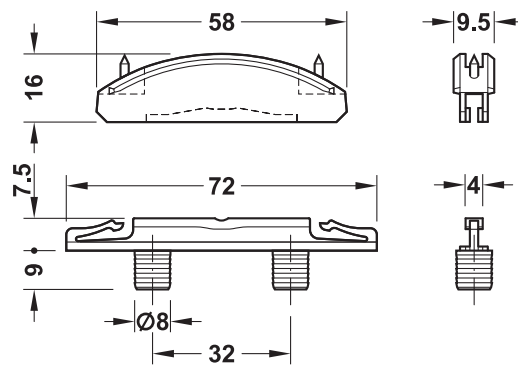
Plastic

For wood thickness: From 18 mm

→ Lamello Divario P-18 Connector



→ Lamello Divario P-18 Starter kit



Supplied with:

- 80 sets of connectors
- 1 installation tool, 001.26.700

Order reference: 1 piece = 1 pair

	Packing pieces	Cat. No.
Lamello Divario P-18 connector	80	267.91.195
	300	267.91.155

Packing: 1 piece

	Cat. No.
Lamello Divario P-18 starter kit	267.91.128

Installation tool for Lamello Divario P-18



P-System



For knocking connector into workpiece

Packing: 1 piece

	Cat. No.
Installation tool for Lamello Divario P-18	001.26.700

Marking gauge for Lamello Divario P-18



P-System



For manual, precise drilling of Divario bolt holes, incl. drill bit with centring tip and depth gauge

Packing: 1 piece

	Cat. No.
Marking gauge for Lamello Divario P-18	001.26.710

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.



ORDER ONLINE.

ORDER CONVENIENTLY, SIMPLY AND 24/7 ONLINE.

www.hafele.com

Häfele Keku Panel connector

Specifications apply to all Häfele Keku panel connectors.

Suitable for screw fixing in 32 mm series drilled holes

Plastic (polycarbonate)

Colour: black

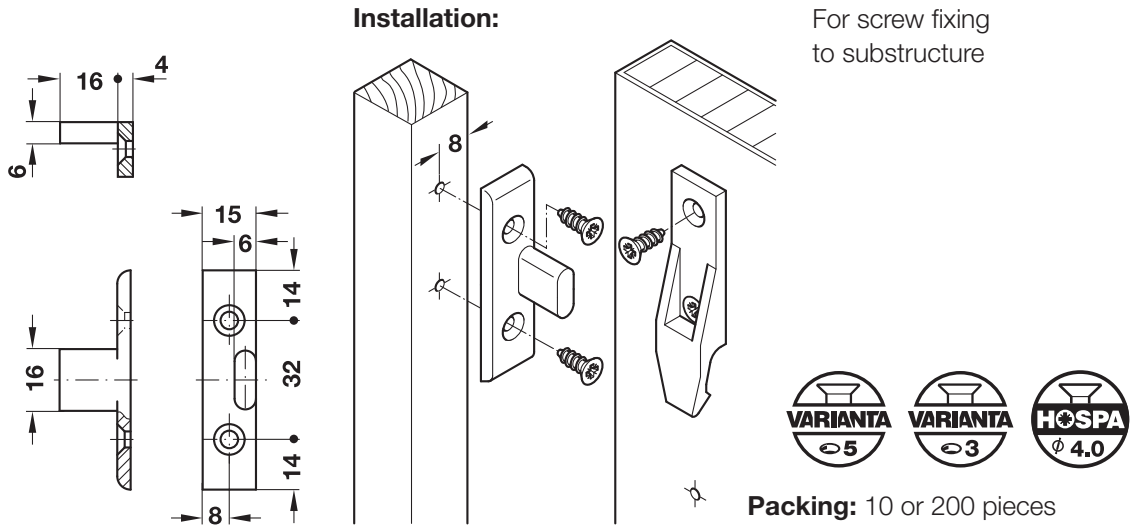
Temperature range: -100 to +135 °C

- > Do not treat with chemical solutions or aggressive greases
- > Do not adjust by hammering

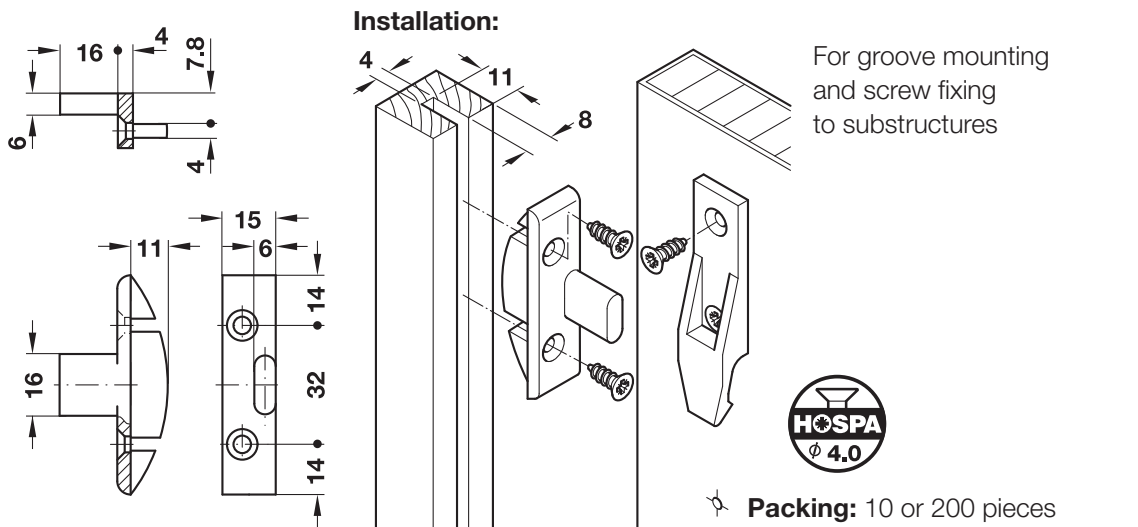
Häfele Keku Suspension fitting

→ Keku EH Frame component

For fixing panels to frame constructions




Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.365
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.366



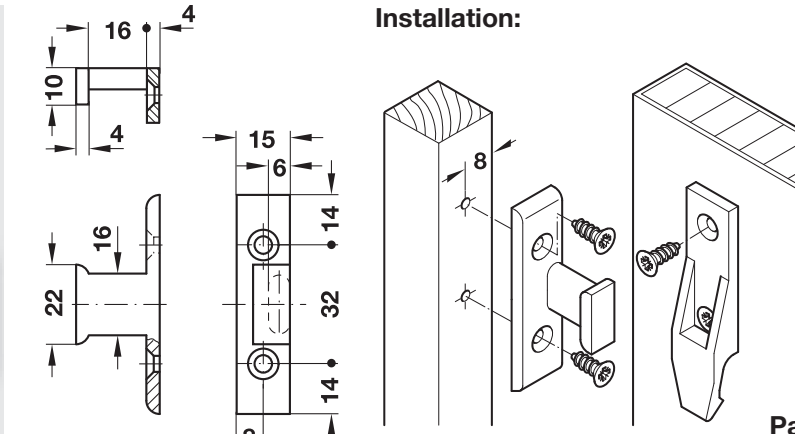
Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.360

Häfele Keku Suspension fitting


→ Keku EHS Frame component



Installation:




For screw fixing to substructures, with side guide



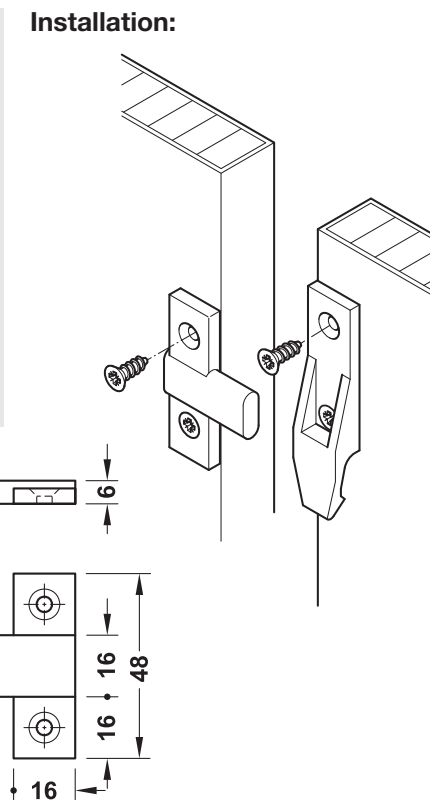
Packing: 10 or 200 pieces

Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.367
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.368

→ Keku EH Panel component




Installation:



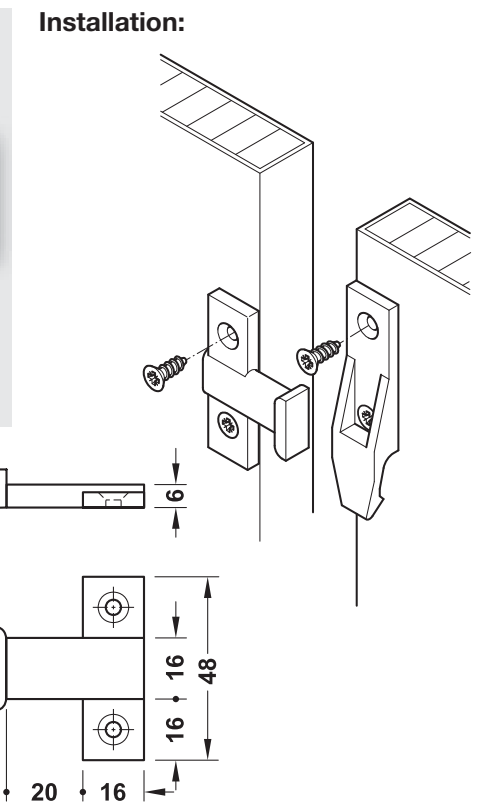
Packing: 10 or 200 pieces

Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.358
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.359

→ Keku EHS Panel component



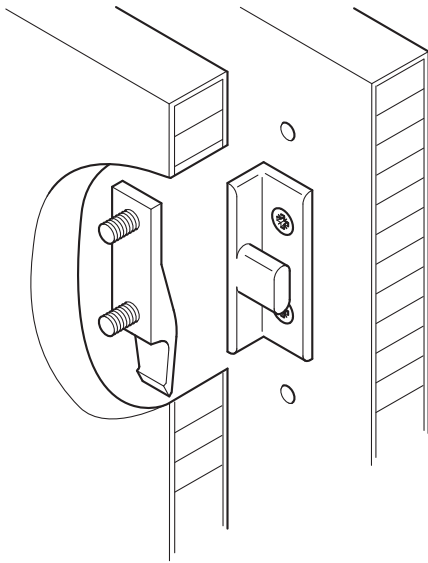
Installation:



Packing: 10 or 200 pieces

Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.369
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.370

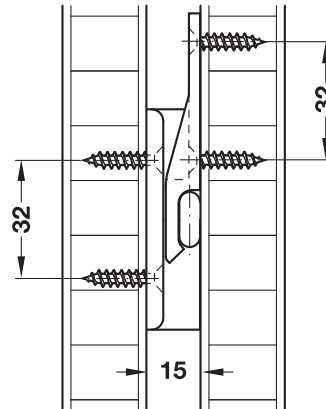
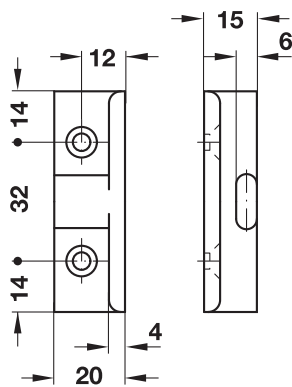
Häfele Keku AD Double partition fitting



Double partition fittings are used for:

- Attaching sound insulating material to the door leaf
- Constructing cavity-type doors
- Doubling of cabinet sides in door alcoves
- Connecting frame elements
- Linking elements
- Constructing sandwich elements
- Installing lightweight partition walls
- Mounting wall elements (cabinet construction)
- Door installation as panel construction

→ Keku AD 15 Angled component



For panel distance of 15 mm, for screw fixing to substructure



Packing: 10 or 200 pieces

Installation

With chipboard screw with countersunk head \varnothing 4.0 mm

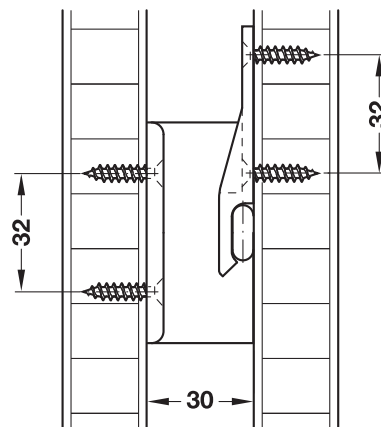
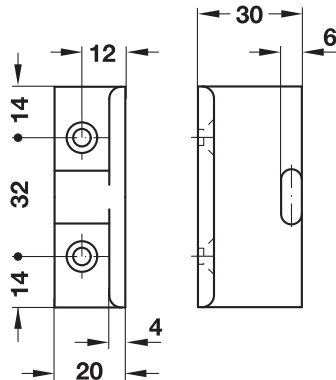
With Häfele Varianta Euro screws with countersunk head \varnothing 3.0 or 5.0 mm

Cat. No.

262.51.380

262.51.381

→ Keku AD 30 Angled component



For panel distance of 30 mm



Packing: 10 or 200 pieces

Installation

With chipboard screw with countersunk head \varnothing 4.0 mm

With Häfele Varianta Euro screws with countersunk head \varnothing 3.0 or 5.0 mm

Cat. No.

262.51.390

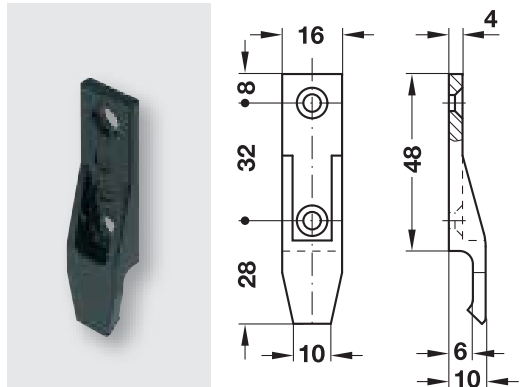
262.51.391

Häfele Keku Suspension fitting

→ Keku Panel component

Installation: For screw fixing to panel with chipboard screw Ø 4.0 mm or Häfele Varianta Euro screws Ø 3.0 mm or 5.0 mm

Note: The combined use of panel components with and without lip on one panel reduces the overall snap-in function.

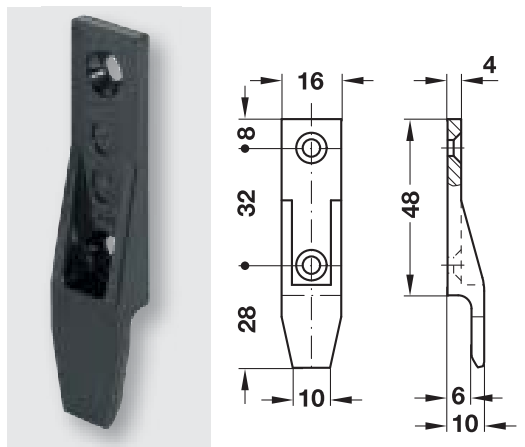


With lip



Packing: 10 or 200 pieces

Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.356
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.357



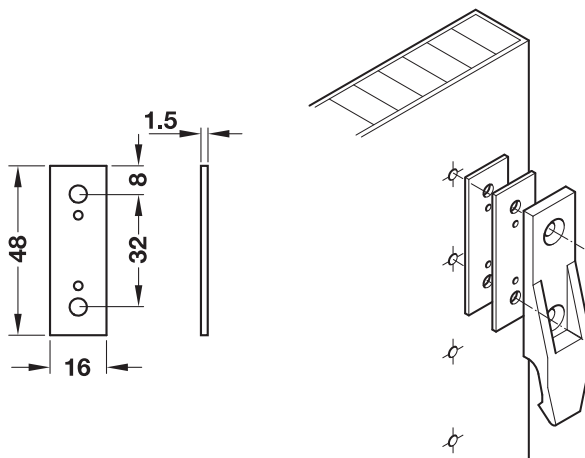
Without lip, for panels that are frequently removed



Packing: 10 or 200 pieces

Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.350
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.351

Keku EH Spacer plate 1.5 mm



Stackable, self-fixing spacer plate for EH panel components
Polycarbonate (PC)
Colour: black



Packing: 10 or 400 pieces

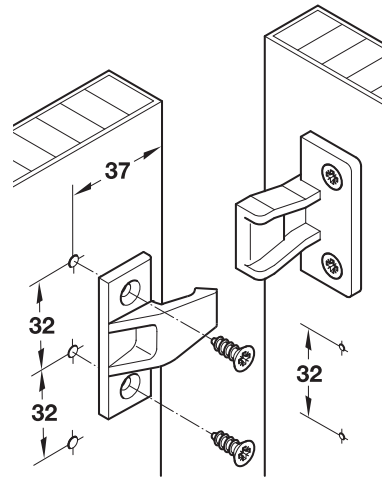
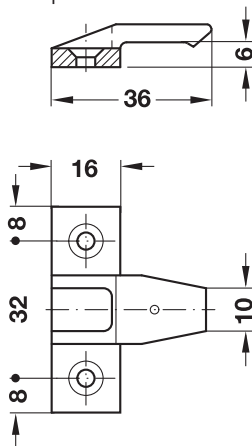
Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.49.353
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.49.355

Häfele Keku Push-in fitting



> Not for suspended loads such as ceiling panels

→ Keku AS Frame component



For screw fixing to substructure



Packing: 10 or 200 pieces

Installation

With chipboard screws with countersunk head Ø 4.0 mm

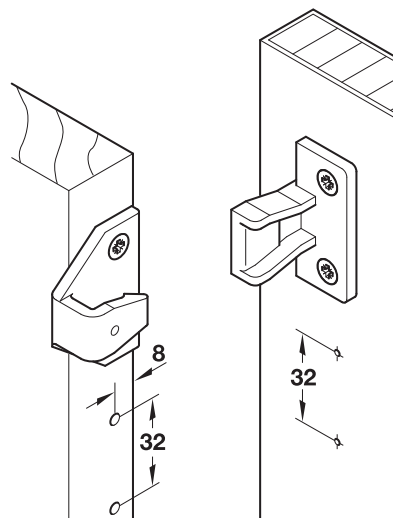
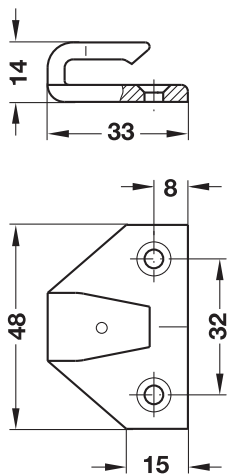
With Häfele varianta countersunk head Euro screws Ø 3.0 or 5.0 mm

Cat. No.

262.50.368

262.50.377

→ Keku ASR Frame component



For screw fixing to substructure



Packing: 10 or 200 pieces

Installation

With chipboard screws with countersunk head Ø 4.0 mm

With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm

Cat. No.

262.50.390

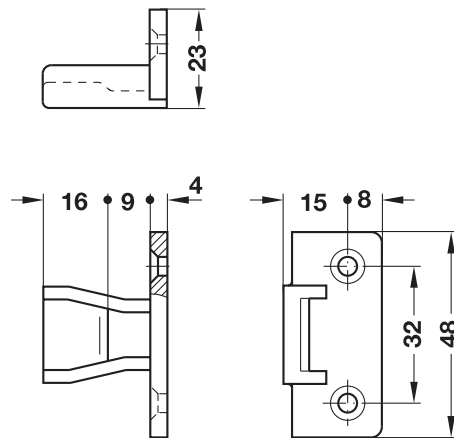
262.50.391

Häfele Keku Push-in fitting

→ Keku AS Panel component



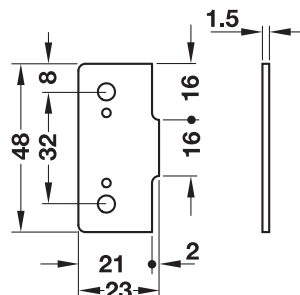
For screw fixing to panel



Packing: 10 or 200 pieces

Installation	Cat. No.
With chipboard screws with countersunk head Ø 4.0 mm	262.50.359
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.50.358

Keku AS Spacer plate 1.5 mm



Stackable, self-fixing,
Spacer plate for AS panel
components

Polycarbonate (PC)
Colour: black



Packing: 10 or 400 pieces

Installation	Cat. No.
With Häfele Varianta Euro screws with countersunk head Ø 3.0 or 5.0 mm	262.50.354

Eilox Panel mounting system



- > Exact fit due to hooks
- > Same rail for wall and component
- > With flange on the underside, e.g. for cable guide
- > Extremely low installation height saves space

Application:

The Eilox panel mounting system originated from store fixtures. This system provides fast mounting, quick and easy conversion or replacement of elements. The Eilox hook-in profile is used for mounting wall panels as well as for wall cabinets, pictures, mirrors and wall cladding. Profile sills, promotional elements, displays, impact protection panels are easily, reliably and invisibly fixed with Eilox.

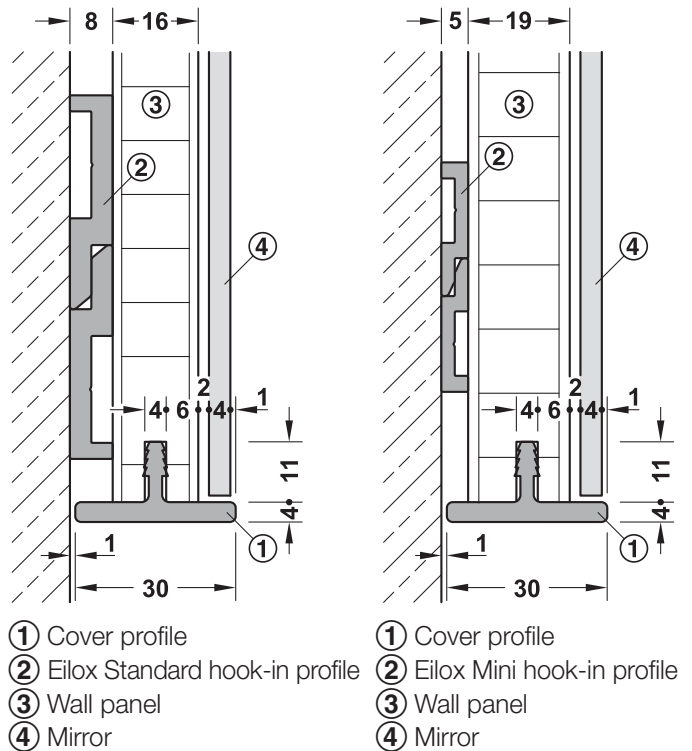
Hook-in profile installation



→ Eilox Cover profile



For laterally facing the Eilox Standard hook-in profile,
for use as mirror frame
aluminium
anodized E6/EV1 silver coloured
Installation: for push fitting



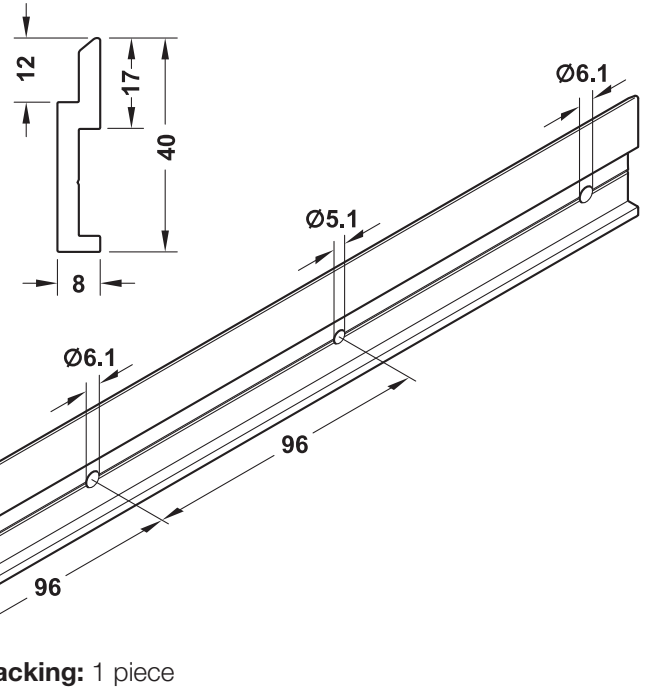
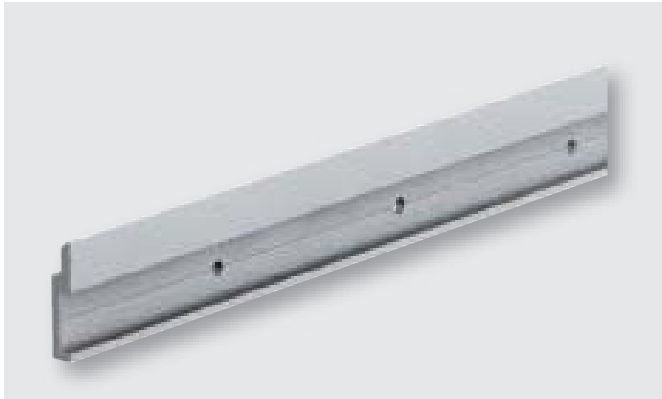
- | | |
|----------------------------------|------------------------------|
| ① Cover profile | ① Cover profile |
| ② Eilox Standard hook-in profile | ② Eilox Mini hook-in profile |
| ③ Wall panel | ③ Wall panel |
| ④ Mirror | ④ Mirror |

Packing: 1 piece

Length mm	Cat. No.
2000	783.53.951
6060	783.53.956

Eilox Panel mounting system

→ Eilox Standard Hook-in profile



Aluminium

Version: Screw holes at 96 mm intervals,
for Hospa 5.0 or Varianta 6.0

Installation: for screw fixing

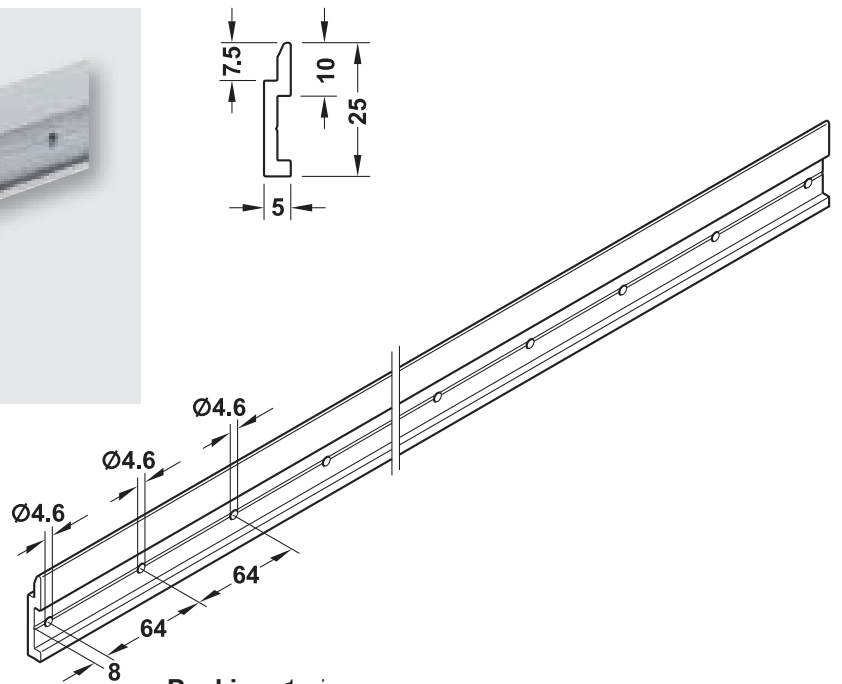
Note: Distance between 2 hook-in profiles
max. 1,000 mm in height.

Order reference: Non-perforated tracks
for glue fixing available on request.

Packing: 1 piece

Length mm	Cat. No.
2000	783.53.001
6050	783.53.006

→ Eilox Mini Hook-in profile



Aluminium

Version: Screw holes at 64 mm intervals,
for Hospa 4.5

Installation: for screw fixing

Note: Distance between 2 hook-in profiles
max. 600 mm in height.

Order reference: Non-perforated tracks
for glue fixing available on request.

Packing: 1 piece

Length mm	Cat. No.
2000	783.53.011

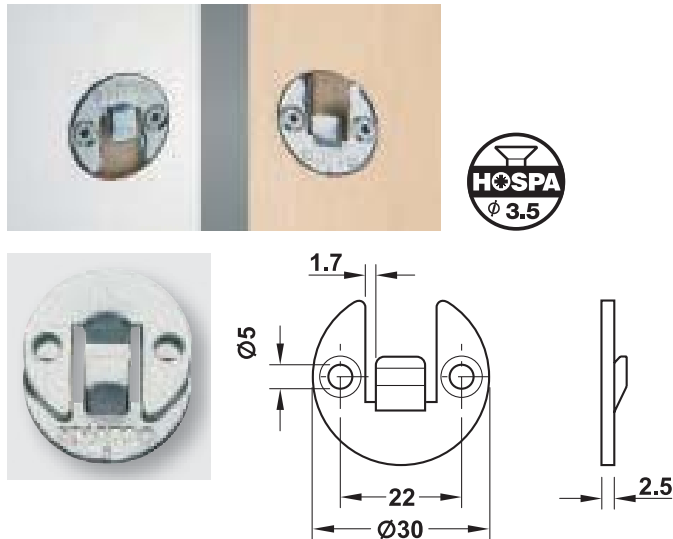
Hook-in connector

- > Easy to hook in, concealed and can be subjected to load immediately after installation
- > Self-tensioning and separable
- > For doubling panels, for example, without gap

Note:

It is recommended to use depth gauge 001.28.129 and HM drill bit $\varnothing = 30$ mm 001.06.630 for drilling the holes, concealed, self-tensioning separable connector, for use with stairs, cladding, panelling, handrails and doubling of front doors, Mounting: For screw fixing with chipboard screw drill hole diameter: 30 mm

→ With play

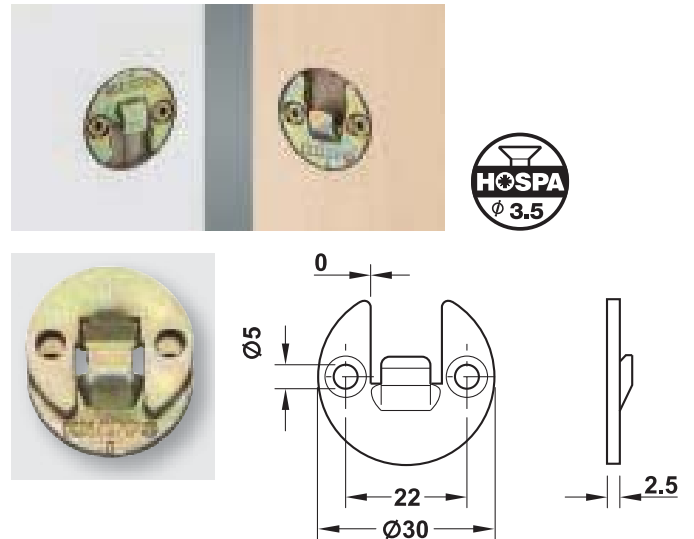


Drilling depth: 3 mm, with play for compensating dimension and expansion deviations

Packing: 50 pairs

Material	Finish/colour	Cat. No.
Steel	Blue galvanized	262.62.501

→ Without play



Drilling depth: 3 mm, without play for an exact-fit suspension

Packing: 50 pairs

Material	Finish/colour	Cat. No.
Steel	Yellow galvanized	262.62.500

→ For wall mounting



Drilling depth: 7 mm
Fixing material supplied

Packing: 50 sets

Material	Cat. No.
Stainless steel	262.62.520

→ Centre punch for hook-in connector



Centre punch for hook-in connector with/without play

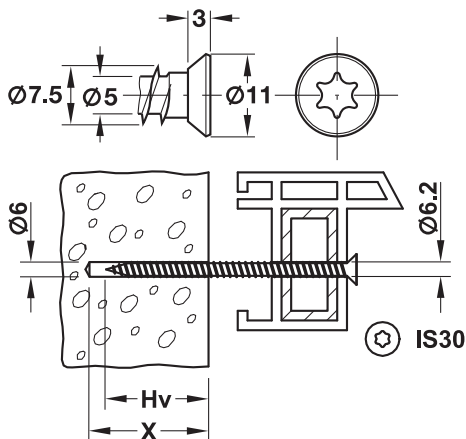
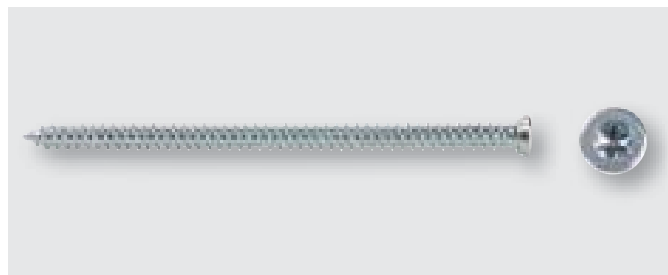
Centre punch for hook-in connector for wall mounting

Packing: 1 piece

	Cat. No.
Centre punch for hook-in connector with/without play	262.62.990
Centre punch for hook-in connector for wall mounting	262.62.991

Window frame screw

→ Window frame screw with countersunk head



Drill hole depth $X \geq Hv + 10$ mm

Window and door frames made of wood, metal and plastic, frame to frame coupling and window pockets, steel galvanized, low-friction coating
 Type of head: Countersunk head
 Drive: T-star drive TS30
 Thread: Fully threaded

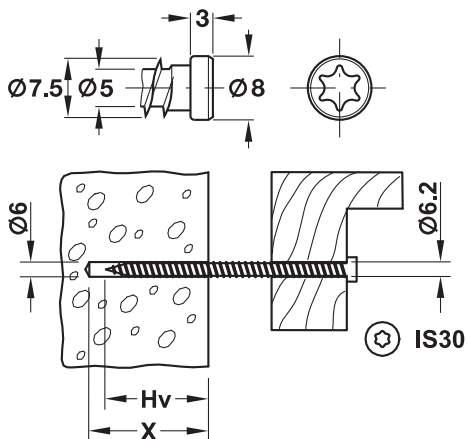
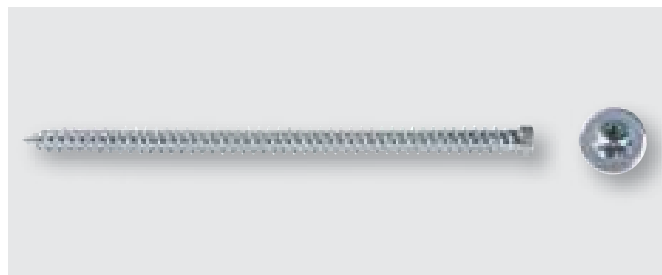
Technical data:

	Screw-in depth Hv
In concrete	30 mm
In sand-lime brick	40 mm
In solid red brick	40 mm
In pumice brick	50 mm
In light concrete	60 mm
In perforated brick (min. 2 chambers)	60 mm

Packing: 100 pieces

Length mm	Cat. No.
72	051.46.901
92	051.46.902
112	051.46.903
132	051.46.904
152	051.46.905
182	051.46.906
212	051.46.907

→ Window frame screw with cylindrical head



Drill hole depth $X \geq Hv + 10$ mm

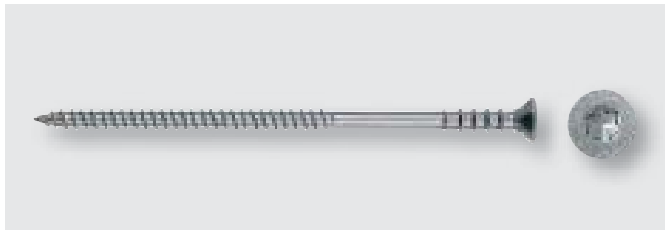
Window and door frames made of wood, metal and plastic, frame to frame coupling and window pockets, steel galvanized, low-friction coating
 Type of head: Cylindrical head
 Drive: T-star drive TS30
 Thread: Fully threaded

Technical data:

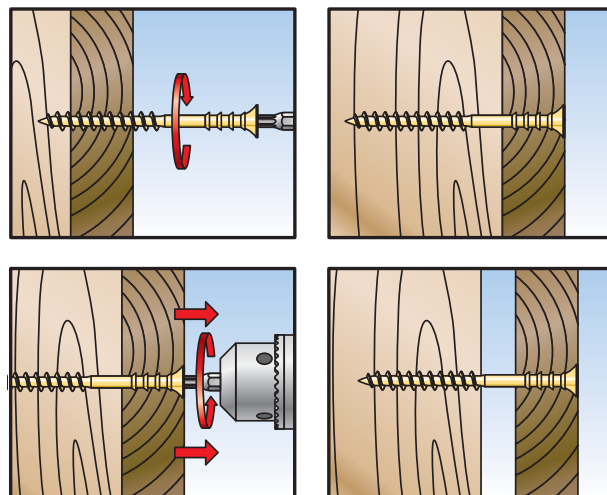
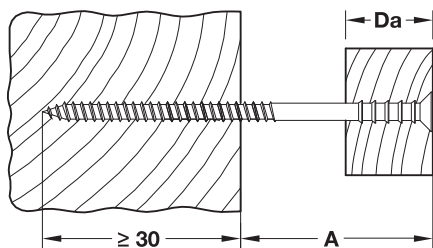
	Screw-in depth Hv
In concrete	30 mm
In sand-lime brick	40 mm
In solid red brick	40 mm
In pumice brick	50 mm
In light concrete	60 mm
In perforated brick (min. 2 chambers)	60 mm

Length mm	Packing pieces	Cat. No.
72	100	051.50.901
92	100	051.50.902
112	100	051.50.903
132	100	051.50.904
152	100	051.50.905
182	100	051.50.906
212	100	051.50.907
302	50 or 100	051.50.909

Adjustable screw



Suitable for wood to wood assembly for interior applications, steel galvanized, low-friction coating
 Drive: TS25
 Thread: Self-tapping in wood, \varnothing 6 mm



Mounting:

- > Wooden substructures can be easily installed using adjustable screws. Position lath and screw in adjustable screw flush without pilot drilling.
- > The distance between the lath and the wall can be adjusted exactly by turning the screw anti-clockwise.

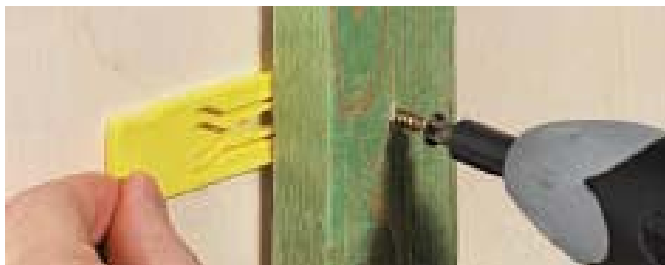
Technical data:

Length mm	Dim. A mm	Dim. Da mm
60	≥ 30	≥ 21
80	≥ 50	≥ 25
90	≥ 50	≥ 25
100	≥ 60	≥ 25
110	≥ 60	≥ 25
120	≥ 60	≥ 25

Packing: 100 pieces

Length mm	Cat. No.
60	051.64.901
80	051.64.903
90	051.64.904
100	051.64.905
110	051.64.906
120	051.64.907

Shims



For aligning substructures, secure hold is ensured by self-clamping screw recess, coloured plastic
 Dimensions (L x W): 70 x 24.5 mm

Packing: 100 pieces

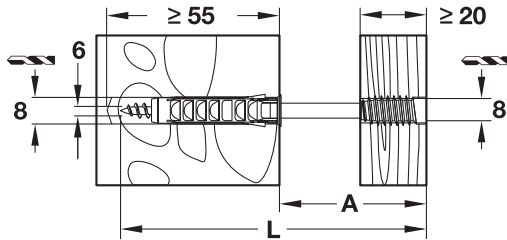


Thickness mm	Colour	Cat. No.
1.0	White	051.93.011
2.0	Blue	051.93.012
3.0	Red	051.93.013
4.0	Yellow	051.93.014
5.0	Green	051.93.015

Distance screw with short threaded head

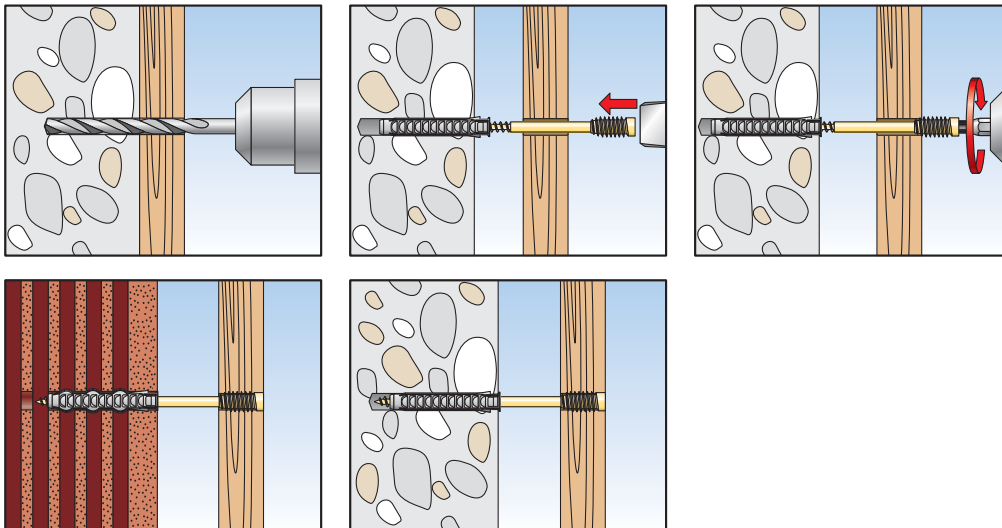


For fixing wooden substructures, windows, lining doors, frame doors, built-in cabinets, etc., suitable for use with plastic wall plugs in concrete and masonry wall material, for screwing directly into wood



Mounting:

- > These distance screws can be used for all building materials in combination with plastic wall plugs, and for wood without wall plug.
- > The distance screws can be removed at any time.
- > Recommendation: If the screws are screwed in at an angle (approx. 15°), higher transverse loads can be supported.



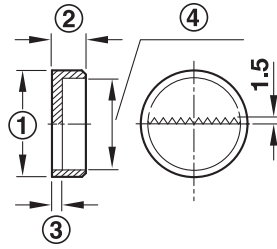
Steel galvanized
 Drive: T-star drive TS25
 Length: Threaded head 20 mm

Packing: 50 pieces

Length L mm	Dim. A mm	Cat. No.
80	≥35	051.65.907
100	≥55	051.65.908
120	≥75	051.65.909
150	≥105	051.65.910

Suspension fittings

→ For mounting in drilled hole, with serrated edge



Plastic white

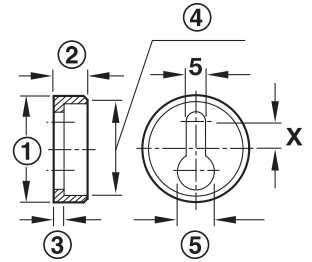
Technical data:

① External Ø mm	④ Internal Ø mm	② Drilling depth mm	③ Material thickness mm
20.0	16.0	8.5	2.0
30.0	27.0	11.5	2.5

Packing: 100 or 1,000 pieces

External Ø mm	Internal Ø mm	Cat. No.
20	16	290.50.720
30	27	290.50.730

→ For mounting in drilled hole, keyhole slot



Plastic white

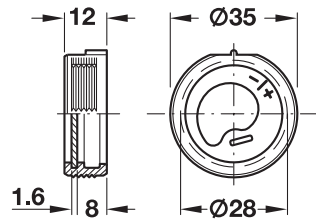
Technical data:

① External Ø mm	④ Internal Ø mm	② Drilling depth mm	③ Material thickness mm	⑤ Keyhole width mm	Dim. X mm
20.0	16.0	10.0	2.0	9.0	5.0
30.0	27.0	9.5	2.5	10.0	7.5

Packing: 100 or 1,000 pieces

External Ø mm	Internal Ø mm	Cat. No.
20	16	290.51.720
30	27	290.51.730

→ For mounting in drilled hole, with height adjustment



For mirrors, panels, etc.

Housing: Plastic black

Plate: Steel galvanized

Load bearing capacity: 25 kg

Installation: for press fitting

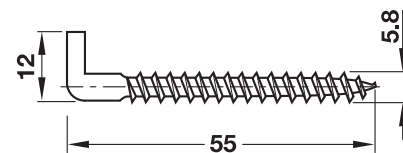
Adjustment facility: ±3 mm

(adjustment via slot in steel plate)

Packing: 100 or 1,000 pieces

External Ø mm	Internal Ø mm	Cat. No.
35	28	290.53.000

→ Screw hook for suspension fitting with height adjustment



Steel galvanized

Drive: flat blade

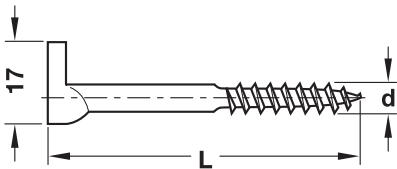
Note:

Only for use with cabinet hangers with height adjustment, Cat. No. 290.53.000.

Size mm	Height mm	Packing pieces	Cat. No.
5.8 x 55	12	100 or 1,000	057.02.912

Screw hook

→ Screw hook PZ

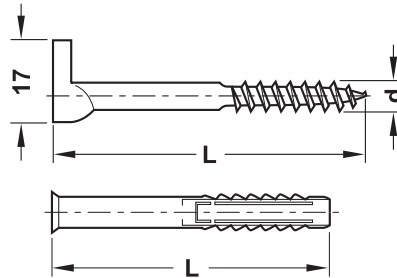


Steel galvanized
Drive: PZ cross slot

Packing: 100 pieces

Thread Ø d mm	Length L mm	Cat. No.
5.2	50	057.05.905
5.8	65	057.05.906
5.8	80	057.05.908
5.8	100	057.05.910

→ Fixing set for cabinet hangers



Screw hook: steel galvanized,
Wall plug: Polyamide

Supplied with:

Set consists of:

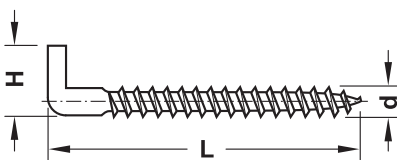
1 screw hook Cat. No. 057.05.908 or 057.05.910
(see above description)

1 Fischer SXR wall plug 8 x 60 mm or 8 x 80 mm,
polyamide

Packing: 1 or 50 pieces

Length L mm	Cat. No.
Screw hook: 80 mm, wall plug: 60 mm	051.47.042
Screw hook: 100 mm, wall plug: 80 mm	051.47.052

→ Flat blade screw hook



Steel galvanized
Drive: Flat blade

Packing: 1 or 1,000 pieces

Dimensions d x L mm	Height H mm	Cat. No.
5.8 x 55	16	057.08.912
5.8 x 60	16	057.08.913

Hook screwdriver



For screwing in screw hooks

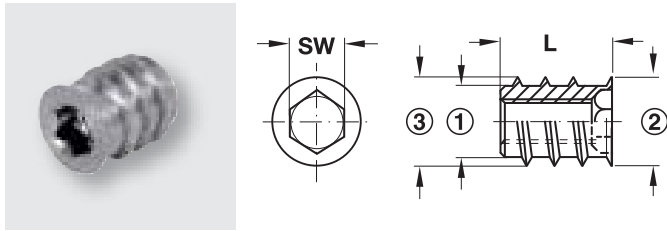
Diameter: 18 mm

Packing: 1 piece

Cat. No.
Hook screwdriver
006.32.060

Screw-in sleeve

→ Without rim



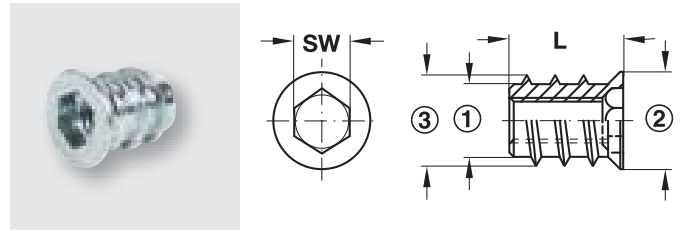
Steel bright
Drive: hexagon socket

Technical data:

Internal thread	③ External thread Ø mm	① Body Ø mm	② Head Ø mm	Hexagon socket
M4	8	6	8	SW4
M5	10	8	10	SW5

Internal thread	Length L mm	Packing pieces	Cat. No.
Cut			
M4	10	100 or 2,000	030.07.042
M5	12	100 or 1,000	030.07.053
Rolled			
M4	10	100 or 2,000	030.07.043
M5	12	100 or 1,000	030.07.054

→ With rim



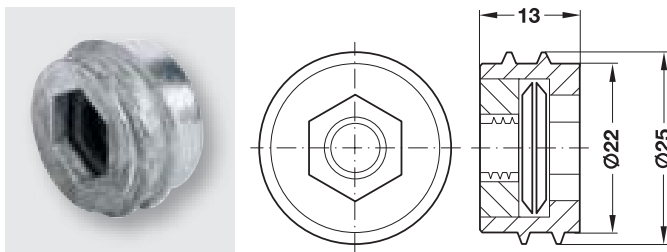
Steel galvanized or yellow chromated
Drive: hexagon socket

Technical data:

Internal thread	③ External thread Ø mm	① Body Ø mm	② Head Ø mm	Hexagon socket
M4/M6	10	7.5	12	SW6
M8	12.5	9.5	14	SW8
M10	15.3	11.5	17	SW10

Internal thread	Length L mm	Packing pieces	Cat. No.
Galvanized			
M4	8	100 or 1,000	030.07.061
	10	100 or 1,000	030.07.062
M6	13	100 or 1,000	030.10.863
	24	100 or 2,000	030.10.867
M8	13	100 or 2,500	030.10.883
	24	100 or 1,000	030.10.887
M10	20	100 or 1,000	030.10.906
	25	100 or 1,000	030.10.907
Yellow chromated			
M6	15	100 or 3,000	030.10.564
	17	100 or 2,500	030.10.565

→ With steel spring



Zinc alloy galvanized
Drive: SW12 hexagon socket

Technical data:

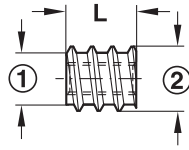
Internal thread	External thread Ø mm	Body Ø mm	Hexagon socket
M8	25	22	SW12

Packing: 1 or 100 pieces

Internal thread	Length mm	Cat. No.
M8	13	030.11.008

Screw-in sleeve

→ With screwdriver slot



Steel galvanized
Drive: screwdriver slot

Technical data:

Internal thread	② External thread Ø mm	① Body Ø mm
M4	8	5.5
M5	10	7
M6	12	9
M6	10	7
M8	14	11.5
M8	16	12
M10	18.5	15

Internal thread	Length L mm	Packing pieces	Cat. No.
M4	8	100 or 1,000	030.00.100
M4	10	100 or 1,000	030.00.119
M5	10	100 or 1,000	030.00.208
M6	11	100 or 1,000	030.00.306
M6	12	100 or 1,000	030.00.351
M6	13	100 or 1,000	030.00.315
M6	15	100 or 1,000	030.00.324
M8	15	100 or 1,000	030.00.404
M8	18	100 or 500	030.00.422
M10	15	100 or 500	030.00.502

Sleeve inserter

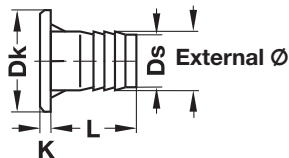


For screwing in screw-in sleeves with screwdriver slot
Steel, burnished

Packing: 1 piece

For internal thread	Cat. No.
M4	006.45.519
M5	006.45.529
M6	006.45.539
M8	006.45.549
M10	006.45.559

Press-fit sleeve with rim



Steel galvanized
Installation: for press fitting

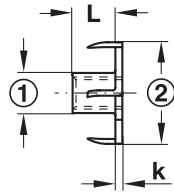
Technical data:

Internal thread	External Ø mm	Body Ø Ds mm	Head Ø Dk mm	Rim thickness K mm
M6	9	8.3	14	1.5
M8	11	10.4	19	2.5
M10	13	12.4	22	2.5

Packing: 100 or 1,000 pieces

Internal thread	Length L mm	Cat. No.
M6	14	031.01.960
M8	16	031.01.980
M10	17	031.01.990

T-nut



Steel bright or galvanized
Installation: For knocking in

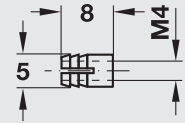
Technical data:

Internal thread	Length L mm	② External Ø mm	① Sleeve Ø mm	Rim thickness k mm
M4	7.0	15.0	5.0	0.8
M5	7.0	17.0	6.3	1.0
M6	7.8	19.0	7.4	1.1
M8	9.8	22.0	9.2	1.2
M10	11.0	25.0	11.3	1.3

Internal thread	Finish	Packing pieces	Cat. No.
M4	Bright	100 or 1,000	031.00.249
M4	Galvanized	100 or 1,000	031.00.445
M5	Bright	100 or 1,000	031.00.258
M5	Galvanized	100 or 1,000	031.00.446
M6	Bright	100 or 1,000	031.00.267
M6	Galvanized	100 or 1,000	031.00.463
M8	Bright	100 or 500	031.00.285
M8	Galvanized	100 or 500	031.00.481
M10	Bright	100 or 500	031.00.301
M10	Galvanized	100 or 500	031.00.490

Spreading sleeves brass

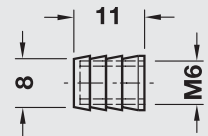
→ For Ø 5 mm drill hole



Brass bright
internal thread: M4
Packing: 100, 1,000 pieces

Dimensions d x L mm	Cat. No.
5 x 8	051.45.004

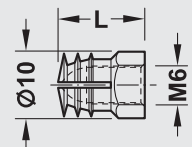
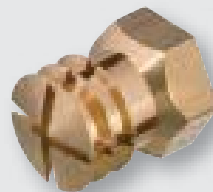
→ For Ø 8 mm drill hole



Brass bright
internal thread: M6

Dimensions d x L mm	Version	Packing pieces	Cat. No.
8 x 9	Without acrylic beads	100 or 2,500	039.00.267
8 x 12	With acrylic beads	100 or 2,000	039.00.061

→ For Ø 10 mm drill hole

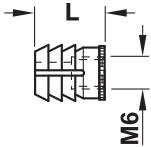


Brass bright
Internal thread: M6
Packing: 100 or 1,000 pieces

Dimensions d x L mm	Cat. No.
10 x 13	039.00.360

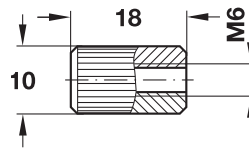
Glue-in sleeves made from plastic (polyamide)

→ Single sleeves



Colour: natural colour

→ Sleeve



Knurled, with continuous internal thread
For drill hole Ø: 10 mm
Colour: white

Packing: 100 or 1,000 pieces

For drill hole Ø mm	Length L mm	Packing pieces	Cat. No.
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Internal thread M4

8	8	100 or 1,000	039.33.140
8	10	100, 1,000 or 5,000	039.33.042
10	10	100 or 5,000	039.33.239
10	13	100 or 1,000	039.33.033

Internal thread M5

10	11	100 or 1,000	039.33.051
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Internal thread M6

8	11	100, 1,000 or 5,000	039.33.462
10	9	100 or 1,000	039.33.364
10	11	100, 1,000 or 5,000	039.33.266
10	13	100, 1,000 or 5,000	039.33.060

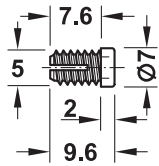
Internal thread M8

10	12	100 or 1,000	039.33.186
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Internal thread	Cat. No.
M6	262.76.700

Spreading sleeves made from plastic (polyamide) for wood screws up to thread \varnothing 4 mm

→ With collar

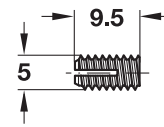


Colour: natural colour

Packing: 100 or 5,000 pieces

For drill hole \varnothing mm	Length mm	Cat. No.
5	7.6	042.97.001

→ Without collar

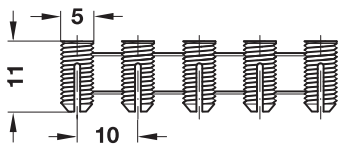


Colour: natural colour

Packing: 100 or 1,000 pieces

For drill hole \varnothing mm	Length mm	Cat. No.
5	9.5	042.98.033

→ Strip of sleeves



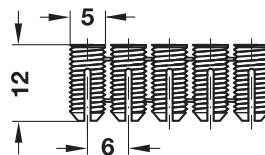
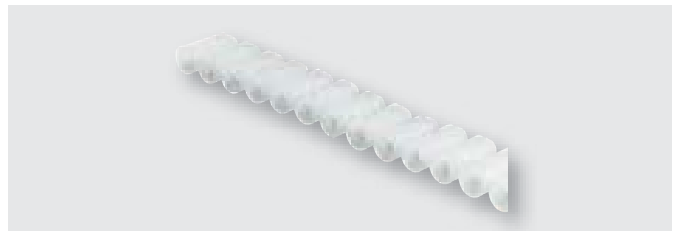
Colour: natural colour

Version: Strip of 20 pieces integrally injection moulded

Packing: 100 or 5,000 pieces

For drill hole \varnothing mm	Length mm	Cat. No.
5	11	042.98.060

→ Strip of sleeves



Colour: natural colour

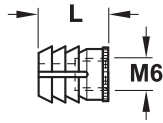
Version: Strip of 20 pieces integrally injection moulded

Packing: 100, 1,000 or 5,000 pieces

For drill hole \varnothing mm	Length mm	Cat. No.
5	12	042.98.051

Spreading sleeves made from plastic (polyamide) with M6 internal thread

→ Single sleeves

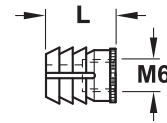


Colour: natural colour

Packing: 100 or 2,500 pieces

For drill hole Ø mm	Length L mm	Cat. No.
10	10	039.35.061

→ Single sleeves



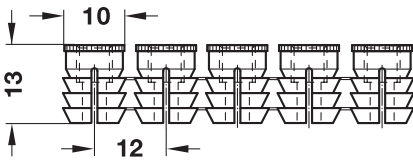
Colour: natural colour

With metal core for spreading

Packing: 100 or 5,000 pieces

For drill hole Ø mm	Length L mm	Cat. No.
8	12	039.04.703

→ Strip of sleeves



Colour: natural colour

version: Strip of 12 pieces integrally injection moulded

Packing: 108 or 5,400 pieces

For drill hole Ø mm	Length mm	Cat. No.
10	13	039.35.064

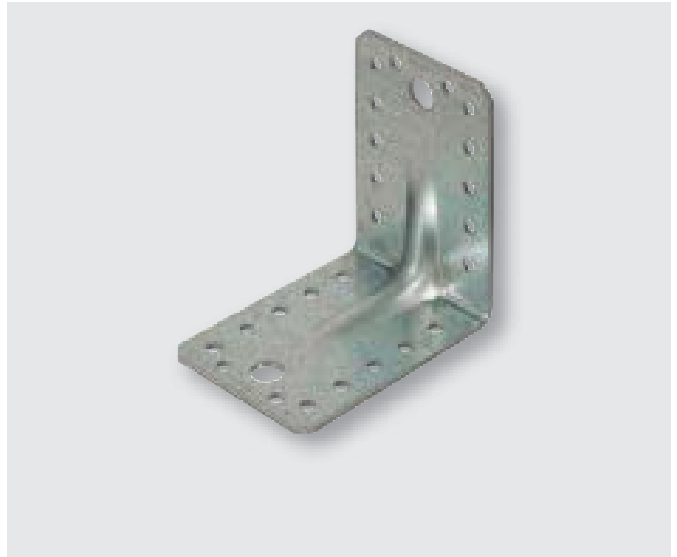
Angle bracket



Steel galvanized
Thickness: 2.5 mm

Side length mm	Width mm	Packing pieces	Cat. No.
50	35	150	070.00.912
70	55	50	070.00.913
90	65	50	070.00.914

Heavy duty angle bracket with reinforced rib



Steel galvanized
Thickness: 2.5 mm

Packing: 50 pieces

Side length mm	Width mm	Cat. No.
90	65	070.00.924

Heavy duty bracket with moulded ridge (reinforced rib)



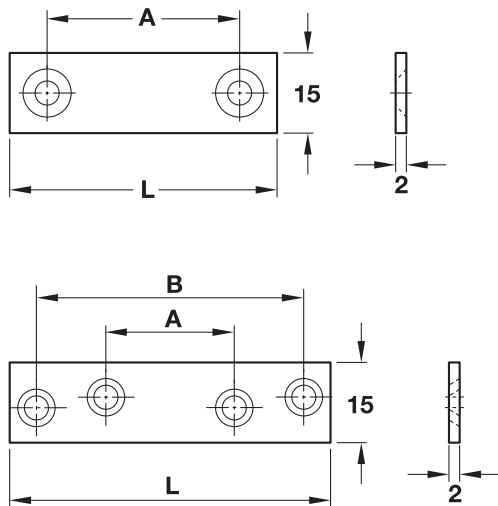
Symmetrical design around the pre-bending line, extremely high stability is achieved due the moulded ridge (reinforced rib) and folded edges; can bear higher loads than comparable angle brackets with thickness of 2.5 mm despite the narrow material thickness

Steel galvanized
Thickness: 1.5 mm

Packing: 50 pieces

Side length mm	Width mm	Cat. No.
70	55	070.00.920
90	65	070.00.921

Connecting plate

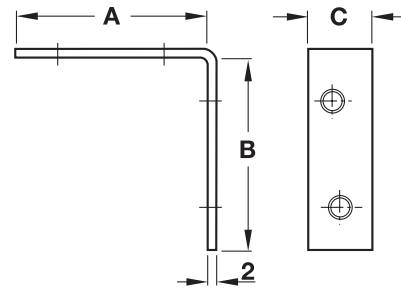


Steel galvanized
Material thickness: 2 mm

Packing: 50 or 200 pieces

Length L mm	Dim. A mm	Dim. B mm	Cat. No.
With 2 screw holes			
50	35	–	260.21.509
70	55	–	260.21.705
With 4 screw holes			
60	28	50	260.20.011
80	16	66	260.20.020
100	28	86	260.20.039

Chair bracket



Material thickness: 2 mm

Dimensions (A x B x C) mm	Material	Packing pieces	Cat. No.
With 4 screw holes			
25 x 25 x 15	Steel, blue galvanized	100	260.28.902
	Stainless steel	50	260.28.002
40 x 40 x 15	Steel, blue galvanized	100	260.28.904
	Stainless steel	50	260.28.004
50 x 50 x 15	Steel, blue galvanized	100	260.28.905
	Stainless steel	50	260.28.005
60 x 60 x 18	Steel, blue galvanized	100	260.28.906
80 x 80 x 18	Steel, blue galvanized	50	260.28.908
With 6 screw holes			
100 x 100 x 20	Steel, blue galvanized	50	260.28.910

Adjusting foot for decking



With continuously height adjustable support feet, 3.5–5 decking support pads are required for one m²
 Plate Ø: 190 mm
 Hard plastic polypropylene

Height adjustment facility	Load bearing capacity kg	Packing pieces	Cat. No.
For laying decking boards			
25-40 mm	814 per support pad	42	070.05.051
35-70 mm	831 per support pad	36	070.05.052
65-155 mm	839 per support pad	32	070.05.053
For laying BIG-Isostep underlayment			
25-40 mm	814 per support pad	42	070.05.054
35-70 mm	831 per support pad	36	070.05.055
65-155 mm	839 per support pad	32	070.05.056

Isopat rubber granules for patio subconstructions



For compensating small uneven surfaces, as wood preservation on the upper side and building protection underneath
 Breathable, vapour diffusionable, rotproof, non-slip, provides a wide supporting surface

Rubber granules

Installation:

With bearing beams that run crossways in direction of water flow, Isopat is attached at intervals at individual points. This ensures that the drainage of water and dirt is not hindered.

Packing: 1 pack

Dim. (L x W x H) mm	Contents	Cat. No.
90 x 60 x 8	48 pieces	070.05.102
90 x 60 x 20	30 pieces	070.05.103

Isopat rubber granules for decking support pads



For compensating small uneven surfaces, forest floor effect and footstep sound insulation
 Breathable, vapour diffusionable, rotproof, non-slip, provides a wide supporting surface

Rubber granules

Contents: 10 pieces

Order reference:

Decking support foot not supplied.

Packing: 1 piece

Dim. (L x W x H) mm	Cat. No.
192 x 192 x 8	070.05.104

Spacer for visible fixing

Made from recyclable plastic,
Ensures the ventilation between decking boards
and bearing beams as well as drying off wet dust,
uniform decking pattern, approx. 15 spacers are required
for one m², bolt 7 mm

Packing: 100 pieces

Dim. (L x W x H) mm	Cat. No.
88 x 25 x 20	070.05.032

Spacer for invisible fixing

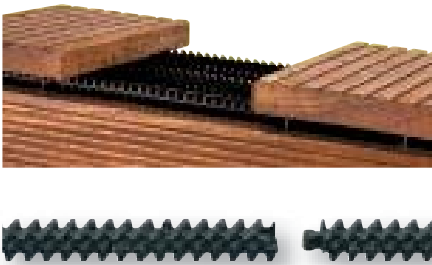
For invisible decking board fitting,
for all decking boards with thickness of 20–26 mm
and central groove with depth of 4 or 9 mm
Tightening range: 5.5–11.5 mm,
approx. 15 spacers are required for one m²

Supplied with:

Screws

Packing: 30 pieces

	Cat. No.
For wood substructures	070.05.020
For Isostep underlayment	070.07.990

Spacer bar

For wood decking construction,
as intermediate layer for hard wood panel
and substructure, provides the screw with the necessary
room to move, screws snap off less frequently,
ribbed design provides good ventilation,
reduces the effect of weathering on the hard wood
decking to a minimum

Packing: 50 pieces

Length mm	Height mm	Cat. No.
730	13	010.96.991

Terrastart Start/end fixing component

For concealed decking board fitting,
for decking boards with central groove (width \geq 4 mm;
depth \geq 9 mm), for use with substructures with aluminium
rails and for laying decking boards with spacers for
Isostep underlayment

Glass-fibre reinforced polyamide

Colour: black

Supplied with:

Stainless steel screws

Packing: 20 pieces

Suitable for	Cat. No.
Aluminium substructure	070.05.022
Wooden substructure	070.05.021

Connector for BIG-Isostep aluminium underlayment



For quick and easy connection of BIG-Isostep underlayment by plug fitting

Packing: 4 pieces

Dim. (L x W x H) mm	Cat. No.
196 x 58 x 32	070.07.991

BIG-Isostep Aluminium underlayment



For quick and easy decking subconstruction, resistant against tannic acid, rotproof material, with support for underlaying Isopats (20 x 60 x 90 mm), max. distance of Isopats 1,100 mm (centre–centre of support points), total construction height (underlayment and Isopats): 57 mm
Aluminium, black powder coated

Note:

When installing the underlayment, a distance of 20 mm to buildings or other fixed objects and a distance of 10 mm between two underlayments (butt joint) must be provided.

Packing: 1 piece

Dim. (L x W x H) mm	Cat. No.
4000 x 64 x 45	070.07.914

Isostep Aluminium underlayment



A continuously extendable aluminium profile with integrated XennoX® rubber granules insert, resistant against tannic acid, for use on even surfaces or wherever low installation height is required

Aluminium, black powder coated

Packing: 1 or 10 pieces

Dim. (L x W x H) mm	Cat. No.
1800 x 40 x 23	070.07.901

CONTENTS

CHEMICAL PRODUCTS, SURFACE PRODUCTS AND GLUES

Joint sealants, assembly adhesives and accessories



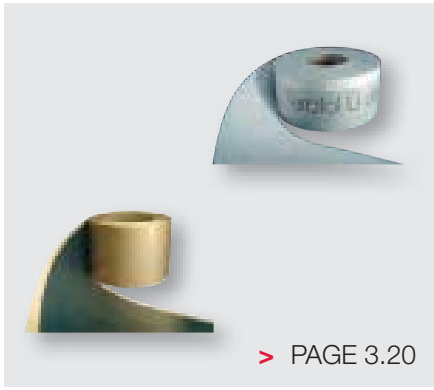
Assembly foams and accessories



Draught seals



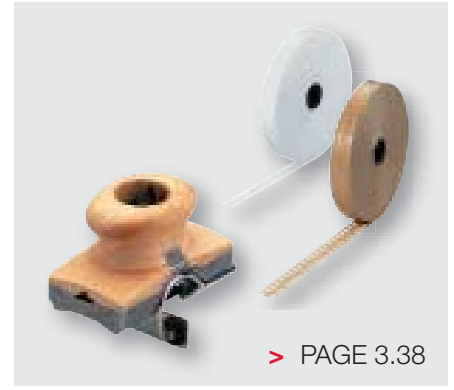
Sealing tapes



Adhesives, glues and accessories



Accessories for veneering



Adhesive tapes



Surface products



Häfele Acryl Joint sealant



For gaps and cracks in masonry and plaster, plasto-elastic, acrylate-based, single component joint sealant, very good adhesion to porous surfaces, colour-fast, waterproof and can be painted when fully cured

Elasticity: max. 15 %,
Volume shrinkage: approx. 15 %

Processing temperature:
+5 to +30 °C

Contents: 310 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
White	003.50.070
Transparent	003.50.071

Henkel Teroson SE 139 building connection joint sealant, acrylic



Sealing of component and connection joints of windows, façade elements and front doors elastic, acrylate-based joint sealant, self-adhesive, stable, immediately rainproof, can be painted, resistant to weather and ageing, for outdoor and indoor use, permanently elastic 25 %

Standard: Conforms to IVD information sheet No. 9

Processing temperature:
+5 to +40 °C

Contents: 300 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
White	003.55.041

Henkel Teroson SE 20 Acrylic joint sealant



For light-duty connection joints in indoor areas, e.g. for sealing of small and medium-size wooden windows, roller blind boxes, window sills or seals for pre-fabricated components, heating, ventilation and air conditioning systems, etc., plasto-elastic, acrylate-based joint sealant, adheres to slightly damp and absorbing surfaces, self-adhesive on most standard building site surfaces without primer, easily sprayable and odourless, can be painted with all common colour systems, resistant to weather and ageing,

Elasticity: 10 %,
Volume shrinkage: approx. 24 %

Processing temperature:
+5 to +40 °C

Contents: 300 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
White	003.55.070

Henkel Teroson SE 108 Joint sealant for windows, silicone



For sealing glass in wood and wood-aluminium windows

For sealing connection joints and construction joints, for sealing edges of metal elements, soft-elastic, neutral-curing silicone for universal use (alcoxy system), self-adhesive without primer on many surfaces for various connection joints

Neutrally cross-linking, light fast and UV stable, odourless, highly wear-free, permanently elastic 25 %

Standard: Conforms to DIN 18545 part 2 group E

Contents: 300 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
White	003.55.160
Transparent	003.55.161

Häfele Bau Joint sealant, silicone



For building and construction joints and glazing work

Permanently elastic, neutral joint sealant, based on silicone (oxime system), very good adhesion to alkaline surfaces such as concrete, skin formation after 5 minutes, odour free, cannot be painted, colour-fast, resistant to UV radiation and ageing

Standard: Conforms to DIN 18454 part 2 and DIN 18540 part 2

Processing temperature: +1 to +30 °C

Contents: 310 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
Transparent	003.50.040
White (similar to RAL 9016)	003.50.041
White matt	003.50.327
Manhattan/light grey	003.50.042
Brown (similar to RAL 8028)	003.50.043
Oak (similar to RAL 1002)	003.50.044
Black (similar to RAL 9004)	003.50.046

Häfele Sanitär Joint sealant, silicone



Building and construction joints, glazing work

Permanently elastic, silicone-base joint sealant (vinegar cross-linking), adheres to glass, wood, metal and other material, mould resisting treatment solvent-free, cannot be painted, colour-fast and UV resistant

Note:

Not suitable for insulated glass and self-cleaning glass.

Processing temperature: +1 to +30 °C

Contents: 310 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
White	003.50.011
Transparent	003.50.010

Pattex Küche Joint sealant, silicone



Silicone sealant for expansion joints and connection joints in kitchens, without fungicides, food safe, resistant to UV radiation and ageing, elastic and wear-free, sour cross-linking

Temperature resistance: fully cured -50 to +150 °C
 Processing temperature: +5 to +40 °C

Contents: 300 ml

Packing: 1 piece

Colour	Cat. No.
Transparent	003.55.171

Pattex Putz und Fassaden Joint sealant, acrylic



For sealing cracks in plaster and masonry, e.g. repair works on façades, connection joints between frame and masonry, filling uneven areas in structured surfaces, for indoor and outdoor use, Plasto-elastic, acrylate-based joint sealant

Temperature resistance: fully cured -20 to +70 °C
 Processing temperature: +5 to +40 °C

Contents: 300 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
White	003.55.060

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Häfele PU 45FC Joint sealant/assembly adhesive, elastic



For sealing and flexible bonding with metal constructions and various other materials, for use with contraction joints, extremely good adhesion on various surfaces, permanently elastic, weather resistant, vibration resistant, single-component, polyurethane based assembly adhesive

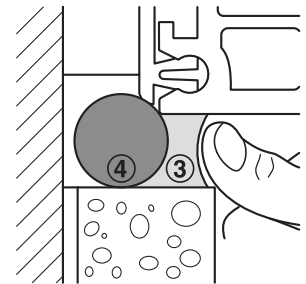
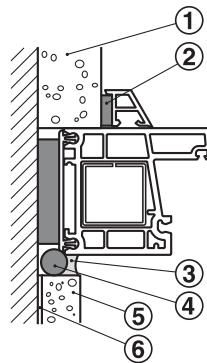
Processing temperature: +5 to +30 °C

Contents: 310 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
White	003.52.010

PE Joining strip



- ① External plaster
- ② Häfele BG2 draught seal
- ③ Joint sealant
- ④ Joining strip
- ⑤ Internal plaster
- ⑥ Plasterer's bead

For backfilling building connection joints before joint sealant is applied, polyethylene
Standard: Construction material class B2 in compliance with DIN 4102

Packing: 1 piece

Diameter mm	Length m	Cat. No.
6.0	100	003.53.010
8.0	100	003.53.011
10.0	100	003.53.012
15.0	100	003.53.013
20.0	50	003.53.015
25.0	50	003.53.016

**Ponal Construct PUR-Express
PNC6G Assembly adhesive**



- For all kinds of bondings that must be waterproof and resistant to heat,
- > E.g. bonding of solid wood, wood/plastic or wood/metal,
- > Bonding of kitchen worktops and wooden window corner joints,
- > Bonding of steps and front door panels,
- > Bonding of insulation material, painted surfaces, parquet flooring, laminated flooring and floor boards,
- > Bonding to plaster, plasterboard, concrete or other mineral surfaces

Moisture-curing, foams up only slightly, single-component, polyurethane based building adhesive

Processing temperature: +5 to +40 °C

Contents: 440 g

Packing: 1 or 6 pieces

Colour	Cat. No.
Pearl white	003.56.210

**Assembly adhesive Ponal Statik
2K-PUR expansion adhesive**



For mounting wooden steps on concrete or stone, re-adjustable (long open time), curing humidity-independent, can be cut after 8 minutes, final strength after approx. 20 minutes

Shrinkage/post expansion ±2 %

Two component, polyurethane-based expansion adhesive

Processing temperature: +5 to +30 °C

Contents: 165 g

Packing: 10 pieces

Colour	Cat. No.
Grey	003.54.107

**Assembly adhesive Ponal Rapido
2K-PUR expansion adhesive**



For fixing of door frames, steps and window sills, simple processing with cartridge gun, high stability during processing, assembly strips not required, can be cut after 4 minutes, loadable after 20 minutes, shrinkage/post expansion ±2 %, Colour: Green, Processing temperature: +5 to +30 °C

Con- tents g	Packing pieces	Cat. No.
165	10	003.54.105
330	6	003.54.106

→ Replacement nozzle for Ponal Statik and Ponal Rapido



For Ponal Statik and Ponal Rapido
Order reference:
1 pack contains 10 pieces
Packing: 1 pack

	Cat. No.
Replacement mixer	003.54.993

Assembly adhesive
Häfele PU building adhesive



For bonding wood and metal, ceramic, stone, mineral and glass fibre boards, polystyrene and various plastics

Quick curing, expanding, solvent-free, water resistant,

open time approx. 10 minutes, press time approx. 45 min,

single-component, polyurethane based building adhesive

Processing temperature: +5 to +35 °C

Contents: 310 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
Beige	003.50.170

Assembly adhesive
Häfele Pro building adhesive



For hard bonds for heavy material in the construction area, for bonding of wall cladding, panels, skirting made from wood and PVC, insulating, decorative and acoustic boards, cable channels on fibre cement, aircrete, chipboard, MDF boards, rigid PU foam, etc., bonding of concrete and wood constructions, installation of window sills, as well as decorative components made from rigid PU foam or polystyrene, repair bondings of ceramic tiles, odour free, excellent adhesive strength with extremely high initial adhesion,, resistant to driving rain and ageing, not weather resistant, compensates for uneven surfaces, can be painted with watery paint systems, loadable 24 hours after bonding, single component, solvent-free acrylic dispersion

Temperature resistance: -20 to +70 °C

Contents: 310 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
White	003.50.180

Häfele Dispersion Assembly adhesive



For bonding wall and flooring materials onto substructures, wood, concrete, stone and metal,

adheres to all common surfaces (not PE and PP),

moisture resistant, good gap filling properties, solvent-free, can be painted

Processing temperature: +5 to +30 °C

Contents: 310 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
White	003.50.100

Pattex PL 100 Assembly adhesive



For indoor use, for bonding porous surfaces, e.g. for skirting made from wood and PVC, decorative and insulating panels, decorative profiles made from polystyrene and PU foam, stucco profiles, wooden door frames, wooden panels and wall claddings

Extremely high initial adhesion and final strength,

solvent-free
Plastic dispersion adhesive

Temperature resistance:

-20 to +70 °C

Processing temperature:

+10 to +40 °C

Contents: 300 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
White	003.56.000

Pattex PL 300 Total Fix Assembly adhesive



For flexible bonding on porous and non-porous surfaces, for indoor and outdoor use, e.g. for wood, metal, glass, stone, lacquered surfaces, etc., ideal for bonding stainless steel, not suitable for PE, PP, PTFE, acrylic glass

Weather resistant and non-aging, can be sanded and painted, sealing to protect against moisture, vibration-absorbing and vibration-resistant

Elongation at break approx. 300 %

in compliance with DIN 53504,

15 min. open time,

silane cross-linked polymer

Temperature resistance:

fully cured -30 to +80 °C

Processing temperature:

+5 to +40 °C

Contents: 300 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
Light ivory	003.56.100
White	003.56.107
Transparent	003.56.104

Häfele Hybrid Power glue



For structural bondings that are subject to dynamic stress

Strong initial adhesion, can be painted after skin formation, can be sanded, solvent-free, odourless, high tensile and shearing strength, high tear resistance, tolerance compensating, vibration-retardant, non-corrosive, resistant to UV radiation, weathering and ageing

MS polymer based

Processing temperature:

+5 to +30 °C

Contents: 290 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
White	003.50.160

Häfele Kristall Power glue



Single component sealant/adhesive for flexible bonding and perfect seals indoors and outdoors, flexible structure bonding, for invisible bonding of glass structures, for example, high adhesion strength and excellent adhesion on most, even wet, surfaces, resistant to UV radiation, weathering and ageing, paint compatible, can be painted with all water-based paints, wet on wet application possible, compensates for uneven surfaces, no bubble formation on porous surfaces, glass-clear curing, permanently elastic, primer-free application in most areas of application, based on MS Polymer technology, contains no solvents, isocyanates or silicones

Processing temperature: +5 to +40 °C
 Temperature resistance: -40 to +90 °C

Contents: 290 ml

Packing: 1 or 12 pieces

Colour	Cat. No.
Glass-clear	003.50.165

Häfele Mirror adhesive



For bonding mirrors to

- > Wood,
- > Concrete,
- > Stone,
- > Glass and
- > Metal

Does not attack the mirror,
 solvent-free,
 flexible

MS polymer based

Contents: 290 ml

Packing: 1 or 20 pieces

Colour	Cat. No.
Light grey	003.50.140

Sausage pack caulking gun



For sausage pack up to 600 ml contents

Packing: 1 piece

Hand gun	Cat. No.
	003.52.955

Häfele Cartridge gun



For standard cartridges up to 310 ml contents

Packing: 1 piece

Cartridge gun	Cat. No.
	003.52.978

Cartridge gun



For Ponal Rapido XXL

Packing: 1 piece

Cartridge gun	Cat. No.
	003.54.920

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Makita DCG180RYEX Cordless cartridge gun



- > Cordless cartridge gun for 310 ml cartridges and 600 ml sausage packs
- > No dripping of the cartridge contents after releasing the trigger
- > 5 revolution speeds for different materials and widths of output amount
- > With integrated LED

Technical data

Lithium-ion battery	18 V/1.5 Ah
Feed rate	0–28 mm/seconds
Max. pressing pressure	500 kg
Cartridge capacity	310 ml
Sausage pack	600 ml
Length	411 mm
Weight	2.2 kg

Supplied with:

- 1 case
- 1 battery charger
- 2 BL1815 rechargeable batteries
- 1 holder for cartridge 310 ml
- 1 holder for sausage pack 600 ml

	Cat. No.
Makita DCG180RYEX cordless cartridge gun	003.52.986

Sealant scraper



For thoroughly removing residues of all commercial sealants from an angle of 90°, can be used on all hard surfaces

Note:

This sealant scraper is not suitable for materials such as plastic or wooden products

Supplied with:

- 1 sealant scraper
- 2 blades
- 1 hexagon screwdriver SW2.5

Packing: 1 piece

	Cat. No.
Sealant scraper	003.52.240

→ Replacement blades for sealant scraper



Packing: 1 pack

	Cat. No.
6 replacement blades	003.52.241

Smoothing tool set



For evenly smoothing joints at a 45° angle for all commercial sealants, highly elastic, wear-free, acid resistant, shape and edge stable

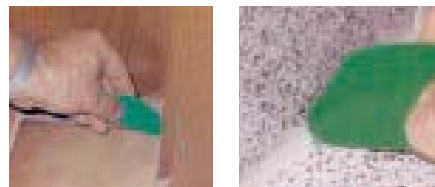
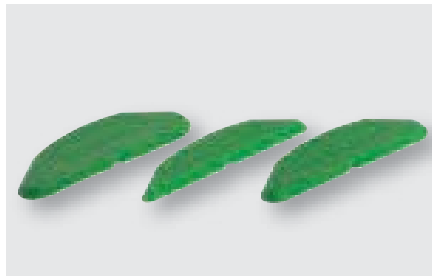
Supplied with:

Contains 3 smoothing tools with side length of 3, 5, 6, 8 and 10 mm

Packing: 1 pack

Contents	Cat. No.
3 smoothing tools	003.52.230

Smoothing tool set



For evenly smoothing hollow joints, for all commercial sealants, highly elastic, wear-free, acid resistant, shape and edge stable

Supplied with:

Contains 3 smoothing tools with radius of 4, 6, 8, 10, 12 and 14 mm

Packing: 1 pack

Contents	Cat. No.
3 smoothing tools	003.52.220

Häfele Smoothing tool



For evenly smoothing of all commercial sealants, highly elastic, wear-free, acid resistant, shape and edge stable, no need for time consuming edge masking

Supplied with:

3 smoothing tools with radius of 4, 5, 6, 7, 8, 9, 10, 12 mm and angle of 90°

Packing: 1 pack

Contents	Cat. No.
3 smoothing tools	003.52.221

Spare sealant nozzle for cartridge



Spare nozzles with cap for cartridges (310 ml), plastic

Packing: 5 pieces

	Cat. No.
Spare sealant nozzle for cartridge	003.50.050

Silicone tube snip



For perfect joints!

For saving up to 50 % sealant, ensures exact cutting angles, suitable diameter for required joint

Packing: 1 piece

	Cat. No.
Silicone tube snip	003.50.059

Häfele Two component assembly foam



For insulating and assembling door frames, for gluing and filling, self-expanding two component rigid polyurethane foam, good filling properties, no shrinkage or post-expansion, quick hardening from the inside out, good acoustic and thermal insulation characteristics
 Processing temperature: +10 to +25 °C

Colour: light green

Note:

Adheres to many types of material, except PE, PP, Teflon and silicone rubber

Packing: 12 pieces

Contents ml	Cat. No.
400	003.52.103

Häfele Two component assembly foam for door frames



For installation of door frames, self-expanding two component rigid polyurethane foam, propellant-free, recyclable packaging, sufficient for 1 door with min. 6 installation points
 Processing temperature: +10 to +30 °C

Colour: champagne coloured

Packing: 16 pieces

Contents ml	Cat. No.
210	003.52.104

Ponal M532 Two component assembly foam for frames



For fixing door frames and windows made from wood, plastic and metal, for steel frame installation, self-expanding two component rigid polyurethane foam, supports can be removed after approx. 30 minutes, shrinkage/post expansion <3 %, i.e. less than 3 % hold pressure and shrinkage
 Standard: Tested to E DIN 18111, B2 in compliance with DIN 4102, sound insulation of joint tested to DIN 52210
 Sound insulating value: 57 dB
 Processing temperature: +10 to +25 °C

Packing: 12 pieces

Contents ml	Cat. No.
400	003.54.104



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The “Compact” provides you with attractive opportunities for completing your equipment with power tools and PPE equipment.



Häfele Single component assembly foam



For insulating, assembling, bonding and filling, self-expanding single component rigid polyurethane foam, good filling properties, good acoustic and thermal insulation characteristics

Processing temperature: +5 to +30 °C
Colour: champagne coloured

Note:
Adheres to many types of material, except PE, PP, Teflon and silicone rubber

Packing: 12 pieces

Contents ml	Cat. No.
750	003.52.100

→ Replacement nozzle

Replacement nozzle
Packing: 5 pieces

Material	Cat. No.
Plastic	003.52.200

Häfele Single component assembly foam for foam guns



For insulating, assembling, bonding and filling, self-expanding single component rigid polyurethane foam, good filling properties
Sound insulating value: tested ≤ 57 dB,
Thermal insulation:: good thermal insulation characteristics

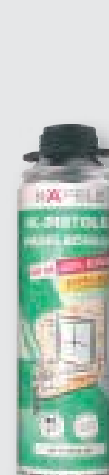
Processing temperature: +5 to +30 °C
Colour: yellow

Note:
Adheres to many types of material, except PE, PP, Teflon and silicone rubber

Packing: 12 pieces

Contents ml	Cat. No.
750	003.52.102

Häfele Profi Single component assembly foam for foam guns



For insulating, assembling, bonding and filling, excellent shrinkage/post expansion stability, very low post-expansion, non-stick after approx. 8 minutes, can be cut after approx. 40 minutes, supports can be removed after approx. 120 minutes
Sound insulating value: tested ≤ 61 dB,
Thermal insulation:: thermal conductivity 0.04 W/mK
Processing temperature: +5 to +30 °C
Colour: grey

Note:
Adheres to many types of material, except PE, PP, Teflon and silicone rubber

Packing: 12 pieces

Contents ml	Cat. No.
500	003.52.109

Henkel Teroson EF 537 Single component assembly foam for foam guns



For insulating, assembling, bonding and filling (suitable for external thermal insulation composite systems), flexible single component expanding foam, gun version, with B1 quality for acoustic and thermal insulation of window connection joints, Colour: beige, flame retardant, Shearing strength: 4.0 N/cm² Standard: B1 in compliance with DIN 4102

Sound insulating value: tested 60 dB
 Low temperature foam:
 Can temperature: up to -5 °C,
 Processing temperature: up to -10 °C, i.f.t. tested long-term flexibility, low post-expansion of only 20 %

Packing: 12 pieces

Contents ml	Cat. No.
750	003.54.101

Häfele Foam cleaner



For removing fresh foam splashes, for cleaning tools and guns

Packing: 1 or 12 pieces

Contents ml	Cat. No.
500	003.52.900

Häfele PU adhesive remover



For removing cured PU foam from wood, PVC and aluminium

Note:

Test surface for suitability prior to application, not suitable for cleaning textiles, allow to soak for max. 20–30 minutes

Packing: 1 or 12 pieces

Contents ml	Cat. No.
250	003.52.905

Spray bottle



For moistening the bonding surfaces before applying foam, for uniform curing of single component assembly foams

Packing: 1 piece

Contents ml	Cat. No.
1500	003.52.891

Basic series foam gun



Plastic/metal
 Light-duty version, with metal bolt, robust version for easy handling, extra large adjusting screw allows for precise adjustment, excellent grip provided by rubber coated, ergonomic handle

Packing: 1 piece

	Cat. No.
Foam gun	003.52.352

Guardia X7 Foam gun



Metal
 Area of application: For single component assembly foam, the low weight ensures tiring-free working, excellent stability, Soft-Sleeve seal on foam inlet and outlet, improved adjusting mechanism for controlled foam application

Packing: 1 piece

	Cat. No.
Foam gun	003.52.353

Lite Plus Foam gun



Metal, high-quality version, excellent grip provided by rubber coated handle

Supplied with:

- 1 sealing set
- 1 non-stick coated adapter/needle

Packing: 1 piece

	Cat. No.
Foam gun	003.52.351

Double-barrelled ratchet gun



For two component expanding foam

Packing: 1 piece

	Cat. No.
Double-barrelled ratchet gun	003.52.935

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Replacement nozzle for single component foam gun



Plastic

Packing: 1 piece

	Cat. No.
Replacement nozzle for single component foam gun	003.52.926

Fine nozzle



Plastic

Packing: 10 pieces

	Cat. No.
Fine nozzle	003.52.359

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Häfele Draught seal, compressed



Note:

Dim. (B x D);
B = tape width; D = for the specified gap width

Colour: anthracite

Technical data:

Draught seal, compressed	BG1	BG2
Application	Outside	
Requirements in compliance with DIN 18452	BG1	BG2
Temperature resistant	-20 to +80°C	-20 to +60 °C
Flame retardant in compliance with DIN 4102 (with min. compression of 50 %)	B1	
Softener-free	x	
Acrylic impregnated	x	
Building material compatible	x	
Paint compatible	x	
Min. compression 50 %	x	
Gross density (g/m)	150	100
Resistance to driving rain Pa	600 (corresponds to wind force 11)	300 (corresponds to wind force 9)

→ For heavy-duty connection joints of stress group (BG) 1

Outside,

window connection joints, connection joints of doors and partition wall systems,

component and expansion joints in building construction, seal for wood constructions/for external thermal insulation composite system,

acoustic insulation, joint restoration,
Standard: Stress group (BG) 1 in accordance with DIN 18542

Packing: 1 piece

Dim. (B x D) mm	Length m	Cat. No.
10 x 1-4	156	003.58.440
15 x 1-4	104	003.58.441
15 x 4-9	64	003.58.442
15 x 6-15	34.4	003.58.443
20 x 2-6	72	003.58.444
20 x 4-9	48	003.58.445
20 x 5-12	33.6	003.58.446

→ For light-duty connection joints of stress group (BG) 2

Outside,

for partition wall systems, for light-duty connection joints,

window connection joints, door connection joints, seal for wood constructions/for external thermal insulation composite system,

lap joints in roof areas, acoustic insulation,
Standard: Stress group (BG) 2 in accordance with DIN 18542

Packing: 1 piece

Dim. (B x D) mm	Length m	Cat. No.
10 x 1-4	156	003.58.425
15 x 1-4	104	003.58.426
15 x 4-9	64	003.58.427
20 x 2-6	72	003.58.428
20 x 5-12	33.6	003.58.429

Glazing tape



Versatile glazing and sealing tape, for glazing in window and door construction in conjunction with elastic sealants, self-adhesive on one side, made from high-quality polyethylene foam, roll at 20 m

Packing: 10 pieces

Colour	Dim. (B x D) mm	Cat. No.
White	9 x 2	003.59.203
	12 x 2	003.59.204
	9 x 3	003.59.213
	12 x 3	003.59.214
Anthracite	9 x 2	003.59.208
	12 x 2	003.59.209
	9 x 3	003.59.218
	12 x 3	003.59.219

Henkel Teroson FO SD1 FOIL-TACK DUO Sealing tape



For sealing connection joints in outdoor areas (cold side of the building), with façade, window and door elements, with external thermal insulation composite system (ETICS), water vapour-permeable, resistant to driving rain, airtight and windproof, self-adhesive and can be plastered with Premium fleece (side dependent), adherent to wet blind frames, robust and extremely tear-resistant, re-adjustable, additional mechanical fixing is not required when applied overhead

Width mm	Packing pieces	Cat. No.
75	1 or 4	003.58.660
100	1 or 4	003.58.661
150	1 or 2	003.58.662

Henkel Teroson FO SD50 FOIL-TACK DUO Sealing tape



For sealing connection joints in indoor areas (warm side of the building), with façade, window and door elements, vapour diffusion retardant (sd value: Approx. 50 m), airtight and windproof, self-adhesive and can be plastered with Premium fleece (side dependent), adherent to wet blind frames, extremely tear-resistant, re-adjustable, additional mechanical fixing is not required when applied overhead

Width mm	Packing pieces	Cat. No.
75	1 or 4	003.58.663
100	1 or 4	003.58.664
150	1 or 2	003.58.665

Henkel Teroson FO SD1 SK Sealing tape



For sealing connection joints in outdoor areas (cold side of the building), for windows, window elements, front doors, vapour diffusion permeable, airtight and windproof, resistant to driving rain, can be plastered and painted (side dependent), self-adhesive on one side, suitable for pre-mounting on windows, robust and tear-resistant (sd value 1 m), bitumen-compatible, not suitable for areas in direct contact with the ground

Colour: light grey
Length: 60 m

Packing: 1 piece

Width mm	Cat. No.
75	003.58.580
100	003.58.581
150	003.58.584

Henkel Teroson AD SP Adhesive paste

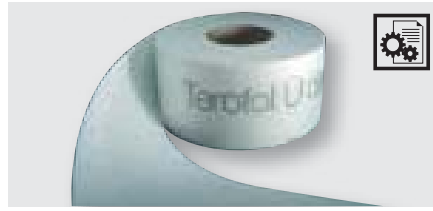


For bonding of Teroson FO SD1 SK and Teroson FO SD50 SK sealing tapes, for use on all mineral surfaces, suitable for dry and slightly damp surfaces, UV stable, gap bridging, cross-linked through physically drying
Processing temperature: +5 to +40 °C
Colour: white

Packing: 1 or 12 pieces

Contents ml	Cat. No.
600	003.58.593

Henkel Teroson FO SD50 SK Sealing tape



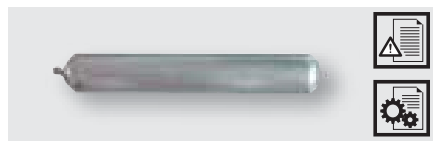
For sealing connection joints in indoor areas (warm side of the building), for windows, window elements, front doors, façade elements, vapour diffusion retardant, resistant to driving rain, airtight and windproof, can be plastered and painted (side dependent), for pre-mounting on blind frames, self-adhesive on one side, can be processed up to -5 °C and on damp surfaces, extremely robust and tear-resistant (sd value 50 m), primer or additional mechanical fixing is not required when applied overhead

Colour: white
Length: 60 m

Packing: 1 piece

Width mm	Cat. No.
75	003.58.520
100	003.58.521
150	003.58.523

Henkel Teroson AD SP plus Adhesive paste



For bonding of Teroson FO SD1 SK and Teroson FO SD50 SK sealing tapes, for use on all mineral surfaces (dry and slightly damp), particularly suitable for damp weather
Processing temperature: -5 to +40 °C
Colour: grey

Packing: 1 or 20 pieces

Contents ml	Cat. No.
600	003.58.594

Henkel Teroson AD SPS Foam adhesive



For bonding window and front door foils that can be plastered over, for bonding of Teroson FO SD1 SK and Teroson FO SD50 SK sealing tapes, to almost any load bearing surfaces such as masonry, concrete, wood materials, wood, foil etc. (dry, slightly moist, straight and uneven), particularly suitable for damp weather, self-adhesive, can also be processed overhead, applicable without using force

fully hardened within 1 hour, can be used on almost any surface, even without primer

With GEV seal of approval EMICODE® EC 1 PLUS R “very low emission”

Processing temperature: -5 to +35 °C

Material: single component polyurethane foam
Colour: green

Packing: 12 pieces

Contents ml	Cat. No.
750	003.58.500

**Henkel Teroson FO SD3 SK1
Sealing tape**



For sealing connection joints of windows/façades in outdoor areas vapour diffusion permeable, airtight, windproof and resistant to driving rain, waterproof, flexible and tear-resistant (sd value 3.7), self-adhesive on one side, pre-mounting on façades possible, additional mechanical fixing is not required when applied overhead, bitumen-compatible, UV resistant

Temperature resistance:

-40 to +90 °C,

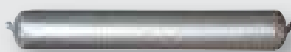
Colour: anthracite

Length: 25 m

Packing: 1 piece

Width mm	Cat. No.
150	003.58.532
200	003.58.533

**Henkel Teroson AD KDS
Adhesive and sealant paste**



For bonding Teroson FO SD3 SK1 sealing tape to the structure, for use on all mineral surfaces, even extremely rough surfaces UV stable, gap bridging, re-adjustments in fresh adhesive bed easily possible, paste-like and self-levelling properties, cross-linked through humidity absorption

Processing temperature:

-5 to +40 °C,

Colour: black

Packing: 1 piece

Contents ml	Cat. No.
570	003.58.595

**Henkel Teroson FO KSK M+S
Sealing tape**



Consists of double-layer special foil with plastic art compound, rubber, bitumen, adhesive and sealing compound, seal against rising damp, leakage water, rain water and pressurised water

Extremely suitable as wall connection in patio construction.

Pre-treat surface with primer.

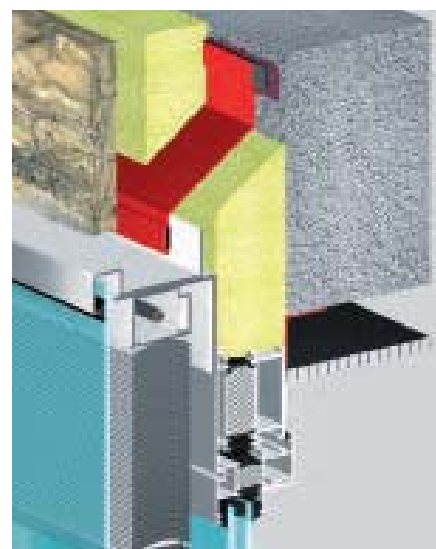
Features:

- > Self-adhesive
- > Immediate adhesion and rainproof
- > Water pressure tight up to 4 bar
- > Water vapour proof

Packing: 1 piece

Dimensions (L x W)	Cat. No.
20 m x 300 mm	003.58.524

**Henkel Teroson PR Primer
Spray M+S**



For surface preparation and hardening, for use on all mineral surfaces, connection joint seal for damp surfaces and minus temperatures, evaporation time 20–50 minutes, consumption 80 g/m², synthetic resin primer

Temperature resistance:

-20 to +90 °C

Processing temperature:

-10 to +35 °C

Packing: 1 piece

Contents ml	Cat. No.
750	003.58.591

Pattex Classic Contact adhesive



For bonding wood materials combined with rubber, leather, cork, felt, hard PVC, soft foam materials, metal and other, consumption approx. 250–350 g/m²

Temperature resistance: up to 110 °C,
Processing temperature: +18 to +25 °C

Packing: 1 piece

Contents g	Packing pieces	Cat. No.
650	1 or 6	003.56.910
4500	1	003.56.911
24000	1	003.56.913

Pattex Air-Classic PXS6C Contact adhesive, injectable



Perfect, homogeneous adhesive film, controlled, clean spray application, extremely short evaporation time, highly heat resistant

Packing: 1 piece

Contents g	Cat. No.
4500	003.02.300

Pattex Air Pure PXSWC Contact adhesive, injectable

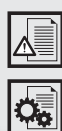


Water-based, processing-friendly formula, controlled, clean spray application, very high adhesive bond strength, further processing (cutting to size, routing, transporting) possible directly after crimping, easy cleaning of tools using water

Packing: 1 piece

Contents g	Cat. No.
4500	003.02.310

Uhu-Plus endfest 300 Two component adhesive



Two component adhesive based on epoxy resin
 Mix ratio 1:1, pot life 90 minutes, bond is resistant to ageing and moisture,
 load bearing capacity up to 300 kg/cm²

Note: Cartridge can only be used with applicator gun

	Contents g	Packing	Cat. No.
2 tubes (bonding agent/hardener)	33	1 pack	003.03.024
Cartridge	53	1 piece	003.03.020

Häfele Rapid set adhesive system

→ Rapid set adhesive

→ Activator



Cyanacrylate-based building adhesive, fast curing with activator, use without activator also possible

Packing: 1 or 6 pieces

Contents g	Cat. No.
50	003.04.001



For fast activation of Häfele rapid set adhesive

Packing: 1 or 12 pieces

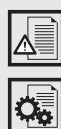
Contents ml	Cat. No.
200	003.04.010

Processing aid for two component adhesive in cartridge



	Pack- ing pieces	Cat. No.
Applicator gun	1	003.03.029
Mixer short/77 mm	10	003.03.028

Häfele Spray adhesive



Permanent bonding of cotton, different plastics, paper, cardboard, wood, veneer and metal, odourless, transparent and with quick initial adhesion

Packing: 1 or 12 pieces

Contents ml	Cat. No.
400	003.56.967

Henkel Loctite 243 Threadlocking adhesive



For universal use

Suitable for active (e.g. iron and brass) and passive (e.g. stainless steel and aluminium) metals, improved temperature resistance, adhesive bond strength: Medium, Colour: blue

Packing: 1 piece

Contents ml	Cat. No.
5	003.09.350

Henkel Technomelt KS 217 EVA hot-melt adhesive, granules



For edge banding material: Solid wood, veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*,
* suitability depends on the special characteristics of the edge banding material and pre-treatment thereof,

softening point (ring and ball) approx. 105 °C,
viscosity (Brookfield) approx. 100,000 mPas at 180 °C,
approx. 55,000 mPas at 200 °C,
heat resistance approx. 90 °C,

tested with 0.6 mm oak veneer in accordance with Dorus test method of increasing temperature

Note:

- > Recommended processing temperature
in melting container: 180–200 °C,
on application roller: 190–200 °C
- > Feed rate: min. 12 m/minute

Contents: 25 kg

Packing: 1 piece

Colour	Cat. No.
Natural	003.09.625
White	003.09.634
Brown	003.09.678

Henkel Technomelt KS 208/2 EVA hot-melt adhesive, granules



For edge gluing with feed rate from 15 m/min.
Edge banding material: Veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*
*up to thickness of approx. 2 mm

Contents: 25 kg

Packing: 1 piece

Colour	Cat. No.
Black	003.09.742

Henkel Technomelt KS 351
EVA hot-melt adhesive, granules



High thermal stability, no skin formation with longer downtimes, thin and closed joint, feed rate: min. 12 m/minute, for edge banding material: Solid wood, veneer, melamine, polyester, PVC, ABS, PP
 Contents: 25 kg

Packing: 1 piece

Colour	Cat. No.
Transparent	003.09.562
White	003.09.563

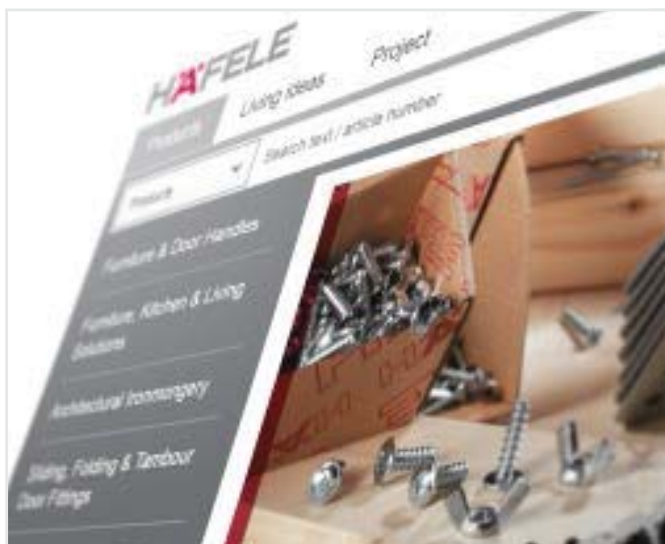
Henkel Technomelt KS 224/2
EVA hot-melt adhesive, granules



Specially developed for mobile edge banding machines, for edges made from: Veneer, PVC*, solid wood, melamine, polyester, ABS*, *up to a thickness of approx. 1 mm, rapid melting and curing of adhesive, high yielding, extremely efficient wetting, heat resistance +75 °C
 Processing temperature: 120–140 °C
 Contents: 25 kg

Packing: 1 piece

Colour	Cat. No.
Natural	003.09.781



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**Henkel Technomelt Dorus HKP 20
EVA hot-melt adhesive, cartridges**



For edge gluing with HOLZ-HER cartridge edgebanders with feed rate from 10 m/minute
 Edge banding material: Solid wood, veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*, *suitability depends on the special characteristics of the edge banding material and pre-treatment thereof,
 Contents: 11.7 kg (45 cartridges with 260 g each)

Packing: 45 pieces

Colour	Cat. No.
Transparent	003.09.680

**Henkel Technomelt Dorus HKP 25
EVA hot-melt adhesive, cartridges**



For edge gluing with HOLZ-HER cartridge edgebanders with feed rate from 10 m/minute
 For edge banding material: Solid wood, veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*,
 *suitability depends on the special characteristics of the edge banding material and pre-treatment thereof, softening point (ring and ball) approx. 108 °C, viscosity (Brookfield) 55,000 mPas at 200 °C, heat resistance approx. 90 °C, tested with 0.6 mm oak veneer in accordance with Dorus test method of increasing temperature
 Contents: 15 kg (45 cartridges with approx. 330 g)

Packing: 45 pieces

Colour	Cat. No.
Natural	003.09.660
White	003.09.848
Brown	003.09.857
Black	003.09.866

**Henkel Technomelt PUR 270/7G
PU hot-melt adhesive, granules**



Hot-melt adhesive (polyurethane), granules for edge gluing, straight edges and softforming, with feed rate from 15 m/min., edge banding material: Solid wood, veneer, melamine, polyester, HPL, PVC, ABS, PP Height initial strength, extremely high heat resistance (> 150 °C) and flexibility at low temperatures, excellent water resistance, produces tight joints
Contents: 750 g

Packing: 1 or 16 pieces

Colour	Cat. No.
Natural	003.44.003
White	003.44.004

Henkel Technomelt PUR Cleaner 4



Very good cleaning properties for uncured Purmelt adhesives and EVA adhesives, very good cleaning effect on not cross-linked Purmelt, excellent wetting characteristics, blue coloured for better identification, granules,

Contents: 8 kg bucket

Packing: 1 piece

	Cat. No.
Purmelt Cleaner 4	003.44.100

Henkel Technomelt PUR 270/7 PU hot-melt adhesive edges



For processing on automatic edge gluing machines, edge banding material: Veneer, melamine, polyester, HPL, PVC, ABS, PP, particularly suitable for application with nozzle

For edge banding with feed rate from 15 m/min., high initial strength, chemical cross-linking within few days, results in a non-melting, insoluble Duroplast, high final strength of the bonding, extremely high heat resistance (>150 °C) and flexibility at low temperatures, excellent water resistance, produces a tight joint, neat processing, viscosity (Brookfield): 150 °C ~40,000 mPas, recommended processing temperature in melting container/on application roller: 120 to 140 °C, polyurethane based edge banding hot-melt adhesive

Contents: Blockware 16 kg, box (8 x 2 kg)

Packing: 1 piece

Colour	Cat. No.
Natural	003.44.011
White	003.44.010

Henkel Technomelt Dorus HKP 26 PUR PU hot-melt adhesive edges



For processing straight edges on HOLZ-HER edge gluing machines, for edge gluing with HOLZ-HER cartridge edgebanders with feed rate from 10 m/minute, edge banding material: Solid wood, veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*,
*suitability depends on the special characteristics of the edge banding material and pre-treatment thereof

Reactive, polyurethane-based hot-melt adhesive, fast setting, height initial strength, chemical cross-linking within few days, results in a non-melting, insoluble Duroplast, extremely high heat resistance (>150 °C) and flexibility at low temperatures, excellent water resistance, produces a tight joint

Softening point (ring and ball): ~85 °C,
Viscosity (Brookfield): 150 °C ~30.000 mPas,
Recommended processing temperature: 150 °C,
curing period to attain final strength: 2–5 days

Contents: 1.6 kg (6 cartridges with approx. 270 g each)

Packing: 1 piece

Colour	Cat. No.
Transparent	003.09.880

Henkel Technomelt PUR Cleaner 2



Cleaning agent for all uncured polyurethane hot-melt adhesives (glue pots, PUR application aggregates), mixing with Technomelt Pur prevents curing thereof, blue coloured for better identification

Contents: 1.2 kg (6 cartridges with 200 g each, for HOLZ-HER systems)

Packing: 1 piece

	Cat. No.
Technomelt Pur Cleaner 2	003.44.121

Häfele D2 White glue



For bonding,
for dowel and plug connections,
for cabinet and joint bonding,
for surface bonds of laminated panels and laminates,
for assembly bonding,
PVAc based white glue
Standard: In compliance with DIN EN 204 (D2),
open time approx. 10 minutes,
press time approx. 12 minutes at 20 °C up to
approx. 3 minutes at 70 °C

Packing: 1 piece

Contents kg	Cat. No.
30	003.09.360

Häfele D3 White glue



For bonding,
for assembly bonding,
for cabinet and joint bonding,
PVAc based white glue
Standard: In compliance with DIN EN 204 (D3),
excellent water resistant properties,
open time approx. 8 minutes,
press time from 25 minutes

Packing: 1 piece

Contents kg	Cat. No.
30	003.09.370

D4 White glue



Single component D4 white glue,
PVAc based Cosmo DS400.130
in compliance with DIN EN 204 (D4),
open time approx. 12 minutes,
press time approx. 22 minutes,
one-sided application onto carrier material
Processing temperature: from +8 °C

Packing: 1 piece

Contents kg	Cat. No.
12	003.09.381

Ponal Super 3 White glue, plastic bin



For bonding in indoor and outdoor areas,
for bonding indoors with high temperature fluctuations
and humidity

For assembly, cabinet and surface bonding,
suitable for high frequency bonding

Frost and dew stable

Open time min. 10–12 minutes,
press time min. 15 minutes (at room temperature),
processing temperature: +5 to +60 °C

Packing: 1 piece

Contents kg	Cat. No.
10	003.57.002
30	003.57.003

Ponal Super 3 D4-certified hardener



For mixing with Ponal Super 3, for achieving D4-certified
quality

Standard: in compliance with DIN EN 204 (D4)

Pot life 8 hours,
after 8 hours, the hardener turns into adhesive which
still achieves D3-certified quality,

Mix hardener again for D4-certified quality
Mixing ratio: 50 g per 1 kg Ponal Super 3 glue

Packing: 1 or 6 pieces

Contents g	Cat. No.
250	003.57.040

Ponal Super 3 White glue, bag



For bonding in indoor and outdoor areas, for bonding indoors with high temperature fluctuations and humidity, for assembly, cabinet and surface bonding,
 Standard: In compliance with EN 204 (D3 and WATT 91), suitable for high frequency bonding, open time min. 10–12 minutes, press time min. 15 minutes (at room temperature)

Processing temperature: +5 to +60 °C,
 Supplied with: 2 bags with 5 kg each

Packing: 2 pieces

Contents kg	Cat. No.
5	003.57.000

Filling station for Ponal Super 3 glue bag



For filling Ponal professional glue bottles or other glue bottle (from sausage pack 5 kg)

Packing: 1 piece

	Cat. No.
Filling station for glue bags	003.57.050

Ponal Super 3 White glue, ProfiLeimer professional glue



For bonding in indoor and outdoor areas, for bonding indoors with high temperature fluctuations and humidity, for assembly, cabinet and surface bonding
 Standard: in compliance with EN 204 (D3 and WATT 91), suitable for high frequency bonding, open time min. 10–12 minutes, press time min. 15 minutes (at room temperature)

Processing temperature: +5 to +60 °C

Packing: 1 or 12 pieces

Contents g	Cat. No.
420	003.57.010

Ponal Express White glue, plastic bin



For bonding, for assembly bonding, joint bonding, coatings, e.g. cabinet bonding. Joint bonding (solid wood glue and board joints), for veneer and plastic bondings (except PVC, ABS and rear side untreated or ground polyester edges)
 Standard: in compliance with DIN EN 204 (D2), synthetic-resin glue, open time max. 8 minutes, heat resistance approx. 70°C (short time exposure to 90 °C for veneering possible)
 Colour: white

Packing: 1 piece

Contents kg	Cat. No.
10	003.57.090

Ponal Express White glue, ProfiLeimer professional glue

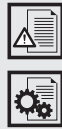


For bonding, for assembly bonding, joint bonding and coatings
 Standard: in compliance with DIN EN 204 (D2), synthetic-resin glue, fast acting glue (starts to bond after 5 min. at room temperature), approx. 8 min. open time (at room temperature 20 °C)
 Processing temperature: From +7 °C
 Colour: white

Packing: 1 or 10 pieces

Contents g	Cat. No.
550	003.57.092

Ponal Lack White glue



For lacquered and plastic coated surfaces, for bonding HPL boards and PVC surfaces (furniture foil), for surfaces coated with nitro, acrylate, SH, alkyd resin and PU (DD) lacquer

Open time: approx. 8 minutes, high bonding strength, PVAc based synthetic-resin glue, Colour: cream coloured/opaque

Packing: 1 or 12 pieces

Contents g	Cat. No.
400	003.57.030

Ponal PU Glue



For bondings in compliance with DIN EN 204 (D4), for heat and water resistant bonding of wood and wood materials or floorboards, for bonding porous and hydrous materials to each other or to metals and plastics

Open time: approx. 10 minutes, single component PU glue, Colour: transparent/opaque

Packing: 1 or 12 pieces

Contents g	Cat. No.
420	003.57.060

Ponal Construct L Speed PU Surface glue



For bondings in compliance with DIN EN 204 (D4), in particular for form and surface bonds, e.g. in stair construction (stair strings and string wreaths), assembly bonding, cabinet bonding, wood bonding, wood material and absorbent materials to each other or to a wide range of metals and plastics, final strength is reached after approx. 24 hours

Open time: approx. 60 minutes, approx. 3–5 hours press time, single component PU glue

Colour: transparent/opaque

Contents kg	Packing pieces	Cat. No.
1	1 or 12	003.57.102
10	1	003.57.101

White glue, tube



For assembly and cabinet bondings, PVAc based white glue

Packing: 500 or 18,000 pieces

Contents g	Cat. No.
15	003.00.230

Ponal PN 15 White glue for wood



For high-strength bonding of wood and wood material grade D2

Packing: 1 piece

Contents g	Cat. No.
120	003.00.202

Ponal White glue for surfaces



For bonding, for surface bonds for wood and wooden materials, for veneering, suitable for HPL boards

Standard: in compliance with DIN EN 204 (D2)

Synthetic-resin glue

Open time: approx. 15 minutes,
Press time: approx. 20 minutes at 20 °C
up to approx. 4 minutes at 60 °C

Colour: white

Packing: 1 piece

Contents kg	Cat. No.
30	003.57.080

Ponal Pressal Hydro UF Veneer glue



For veneering and compressing in hydraulic presses, for veneering in membrane presses, for low formaldehyde-emitting veneering in compliance with E1

- > Open time approx. 15 minutes
- > Pressure should be between 0.2 and 0.5 N/mm²
- > Excellent water resistant properties
- > Low consumption
- > D3 water resistant
- > Single component formulation without hardener
- > No discolouration
- > Neutral, even with sensitive veneer
- > Unproblematic, even with fine wood
- > Easy to mix
- > No risk of glue penetration
- > Glue mix processing time 12 hours

Packing: 1 piece

Contents kg	Cat. No.
10	003.57.071

Ponal FU 400 Urea resin glue



For veneering and compressing in hydraulic presses, for veneering in membrane presses, for low formaldehyde-emitting veneering in compliance with E1, for B1 chipboard with HPL
Open time: at 20°C

Application amount: 100 g/m² approx. 6 min,
Application amount: 200 g/m² approx. 15 min

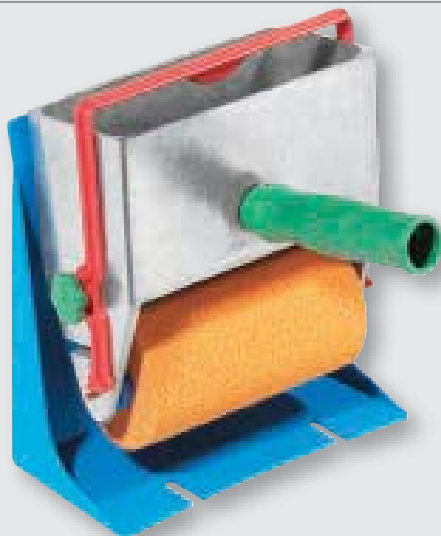
Colour: opaque after drying

Pot life at room temperature: 20 °C approx. 16 hours

Packing: 1 piece

Contents kg	Cat. No.
25	003.57.070

Glue spreader



For even and smooth glue application on large surfaces, for white glue
 Housing: aluminium
 Sponge rubber roller: orange with suspension stand where the roller can be placed while in use

Packing: 1 piece

Width mm	Cat. No.
150	003.45.022

→ Replacement rollers for glue spreader



Packing: 1 piece

Version	Colour	Cat. No.
Sponge rubber roller (for white glue)	Orange	003.45.228
Foamed rubber roller (for Kaurite glue)	Grey	003.45.326
Universal roller (for adhesives, Kaurite glue and white glue)	Rust-brown	003.45.424
Plastic roller	White	003.45.220

→ Spare axle screws made of brass

Packing: 1 pair

	Cat. No.
Spare axle screws made of brass	003.45.620

Adhesive comb



Toothed, plastic

Packing: 1 piece

Dim. (L x W x H) mm	Cat. No.
150 x 80 x 1	003.69.406

Adhesive comb



For applying power glue
 Blade: Steel with wooden handle

Packing: 1 or 6 pieces

Width mm	Cat. No.
180	003.56.921

Glue dispenser



Hand pump for glue, lacquer, paint and other viscous liquids, quick installation due to simple plug-in design, for 30 l container, with metal adapter for use with cordless screwdriver or power drill

Packing: 1 piece

	Cat. No.
Glue dispenser	003.32.630

Glue bottle



Non-drip as soon as the pressure of the hand on the bottle is relaxed
 Colour: transparent

Packing: 1 pieces

Contents ml	Cat. No.
500	003.49.802

→ Replacement nozzle
 For glue application of approx.
 9–12 mm

Packing: 10 piece

	Cat. No.
Replacement nozzle	003.49.809

Lamello Minicol Glue dispenser



For gluing Lamello groove connections, glue emerges from 2 sides

Contents: 300 ml

Supplied with:

- 1 plastic bottle with nozzle
- 1 nozzle cap
- 1 base
- 1 keep-moist package

Packing: 1 piece

	Cat. No.
Lamello glue dispenser	003.49.306
Replacement nozzle	003.49.351

Cold glue container



For white glue, for staining or matting
 airtight lid
 acid and chemical products resistant,
 stackable

Packing: 1 piece

Contents ml	Cat. No.
700	003.64.027

Economic glue dispenser



→ Spare brush



For 1.5 l adhesives, glues, solvents or thinners, with brush

Spare brush

Packing: 1 piece

Packing: 1 piece

Contents l	Cat. No.
1.5	003.65.300

	Cat. No.
Spare brush	003.65.310

Cold glue brush



Light China bristles
 Handle: wood, untreated
 Ferrule: plastic

Packing: 1 or 12 pieces

Size	Cat. No.
4	007.29.051
8	007.29.053

Express Glue bottle



→ Replacement nozzle C, wide



Glue bottle with nozzle A and nozzle cap

For Express glue bottle, for glue application of approx. 13–25 mm

Packing: 1 piece

Packing: 1 piece

Contents ml	Cat. No.
250	003.49.119
500	003.49.217

	Cat. No.
Replacement nozzle	003.49.539

→ Replacement nozzle A, tapered



For Express glue bottle

→ Replacement nozzle set D



For Express glue bottle, for
 Ø 8 mm,
 Ø 10 mm or
 Ø 12 mm plug holes

Packing: 1 set

Packing: 1 or 50 pieces

	Cat. No.
Replacement nozzle	003.49.511

	Cat. No.
Replacement nozzle set	003.49.548

Glue applicator set



With 5 different nozzles

Supplied with:

- 1 glue bottle (250ml)
- 1 glue spreader (60 mm)
- 1 biscuit glue nozzle
- 1 reducing nozzle
- 1 dowel nozzle
- 1 glue brush

Packing: 1 set

	Cat. No.
Glue applicator set	003.45.030

Measuring jug



Plastic
 Version: acid and chemical products resistant, solvent resistant

Packing: 1 piece

Contents l	Cat. No.
2	007.60.850

Edge planer



For sharp cutting and chamfering of plastic and veneer edges up to thickness of approx. 1 mm, can also be used for curves, stop continuously swivelling through 0 ° up to 45 °, forward and reverse use provided by double-bladed HSS knife

Packing: 1 piece

	Cat. No.
Edge planer	004.54.010

Adhesive veneer tape



Perforated or non-perforated
Length: 200 m
Width: 20 mm

Packing: 6 pieces

Colour	Version	Cat. No.
Brown	Perforated	004.01.100
White	Perforated	004.01.200
White	Non-perforated	004.01.365

Release agent for veneer



Cleaner for veneer presses

Packing: 1 piece

Contents kg	Cat. No.
5	004.10.025

Veneer press cleaner



The cleaning the upper and lower plates in veneer presses on all sides

Packing: 1 piece

	Cat. No.
Veneer press cleaner	004.10.015

Universal adhesive masking tape



For marking, packaging and masking, finely creped masking tape, can be removed without residue
 Length: 50 m
 Colour: white

Packing: 12 pieces

Width mm	Cat. No.
15	007.82.030
19	007.82.031
25	007.82.032

Tesakrepp 4317 Adhesive masking tape



For lacquer work, finely creped masking tape, can be removed without residue, protection of surfaces when decorating and painting
 Width: 25 mm
 Length: 50 m

Packing: 12 pieces

Colour	Cat. No.
Beige	007.82.001

Tesa NOPI 4349 Universal adhesive masking tape



For marking, packaging and masking, finely creped masking tape, can be removed without residue
 Colour: light beige
 Length: 50 m

Width mm	Packing pieces	Cat. No.
19	16	007.82.013
38	8	007.82.012
50	6	007.82.015

Packaging tape



Smooth, tear-resistant foil, transparent, printed (imprint: "Quality delivered from your interior design specialist") or brown not printed

Length: 66 m, width: 50 mm

Colour	Packing pieces	Cat. No.
PVC		
Brown, not printed	6 or 36	007.81.062
Transparent, red font colour	6 or 36	007.81.061
Polypropylene		
Brown, not printed	6	007.81.125
Transparent, not printed	6	007.81.126

Dispenser



For packaging tapes with roll width up to 50 mm, with adjustable brake, with pressure roller and cut-off blade, without packaging tape

Packing: 1 piece

	Cat. No.
Dispenser	007.81.020

Tesa 4124 Adhesive tape



Height elasticity, **can be removed without residue, suitable for mitre joint connections**

Width: 50 mm

Length: 66 m

Packing: 6 pieces

Colour	Cat. No.
Transparent	007.81.132

Tesa 4665 Cotton adhesive tape



For permanent bonding in indoor and outdoor areas, for invisible repairs, UV resistant, also suitable for bonding in curves and to rough surfaces, weather resistant for 1 year
 Width: 48 mm
 Length: 25 m

Packing: 1 piece

Colour	Cat. No.
Transparent	007.82.021

Moisture barrier adhesive tape



Thread reinforced special adhesive tape for airtight bonding, bonding of vapour barriers / vapour seals, façade lining, vapour diffusion permeable sarking membrane, adhesive is moisture resistant
 Standard: In compliance with DIN V 4108-7
 Width: 50 mm, length: 25 m
 Colour: green

Packing: 1 or 12 pieces

Colour	Cat. No.
Green	003.59.051

Lath tape



For sticking on, e.g. decorative strips, panels and doubling elements, double-sided adhesive tape for universal applications, very high initial adhesion and final strength
 Length: 50 m
 Thickness: 0.2 mm

Packing: 1 piece

Width mm	Cat. No.
6	003.58.257
9	003.58.260
15	003.58.266

Pattex Power-Tape Cotton adhesive tape



Cloth reinforced universal tape for extremely heavy loads, UV stable, water and pressure resistant up to 4 bar, inscribable, can be torn by hand
 Width: 50 mm
 Length: 25 m
Packing: 1 or 12 pieces

Colour	Cat. No.
Silver	003.58.011

Tesa 4939 Double-sided floor laying tape



Double-sided adhesive tape, residue-free up to 14 days after application
 Width: 50 mm
 Length: 25 m

Packing: 1 or 6 pieces

Colour	Cat. No.
White	007.81.140

Tesafix 64620 Adhesive tape



Double-sided adhesive tape, for permanent bonding
 Width: 50 mm
 Length: 50 m

Packing: 1 piece

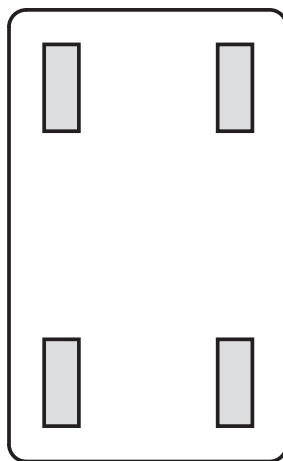
Colour	Cat. No.
Transparent	007.81.133

Mirror tape

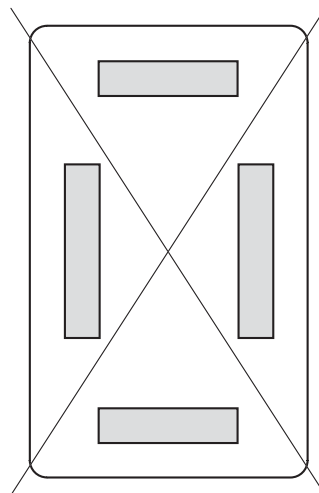


For mounting mirrors, for example, PVC window transoms and for mounting elements on tiles, smooth and rough surfaces, double-sided adhesive tape, dampens and compensates for vibrations, resistant to ageing, UV and softeners, final strength is reached after 24 hours
 Temperature range: -40 to +95 °C
 Length: 50 m

Always apply adhesive strips vertically



Correct



Wrong

Width mm	Thickness mm	Packing pieces	Cat. No.
19	1.0	1 or 16	003.58.221
19	1.5	1	003.58.222
25	1.0	1	003.58.227
25	1.5	1	003.58.228

Multi-purpose special cleaner



For PVC, aluminium, stainless steel and powder coated finishes, removes fresh PU foam without residue and without attacking the surface, removes dirt, stains and adhesive residues from protective foils, good compatibility with various surfaces, non-labelled as defined in the hazardous substances ordinance (GefStoffV)

Packing: 1 piece

Contents ml	Cat. No.
500	007.32.155

**Tesa Spray 60042
Adhesive remover**



Removes extremely stubborn adhesive residues without damaging the surface

Evaporates without residue

Free from silicone and coloured solvent

Colour: transparent

Packing: 1 piece

Contents ml	Cat. No.
200	003.56.968

Häfele Active foam cleaner



For versatile use, for streak-free cleaning of aluminium and stainless steel parts, plastic, glass, chrome, rubber, window frames and panes, mirrors, taps, tiles, ceramic, machinery housings, glass surfaces, polycarbonate panes, acrylic glass

Packing: 1 piece

Contents ml	Cat. No.
500	003.52.800

Häfele Stainless steel cleaning and maintenance spray



Removes limescale, grease and similar soiling, for universal indoor and outdoor use, suitable e.g. for balcony rails, handrails, claddings, furniture, kitchen appliances, sinks, tiled stoves, surfaces receive a adherent, water and dirt repellent protective coating, protects from oxidation and environmental deposits, no more fingerprints on surfaces, minimises electrostatic charging, lacquered surfaces are not attacked, free of environmentally harmful substances

Packing: 1 piece

Contents ml	Cat. No.
400	003.52.810

Häfele Universal wipes



Ideal for use on the building site, removes fresh paint, sealing agents, adhesives, bitumen, oil, grease and silicone rapidly and durably, particularly suitable for cleaning hands, tools and surfaces

Packing: 1 piece

Contents	Cat. No.
80 wipes	007.59.201

Multi wipes



For removing paint, PU expanding foam, silicone, joint compounds, adhesive agents, oil, sealants, tar, grease and dirt from hands, tools and surfaces, fuzz-free, dual sided multi wipes, contain aloe vera, glycerine, lanolin and vitamin E to help to protect, nourish and moisturise the skin

Contents	Packing pieces	Cat. No.
40 wipes	1	007.59.203
80 wipes	1 or 8	007.59.204

Bio Multi wipes



For removing paint, adhesive, silicone, grease, non-hardened PU expanding foam, epoxy resin, bitumen and the majority of oil-based soiling from hands, tools and surfaces fuzz-free, extremely absorbent multi wipes, 100 % biologically degradable and compostable when used with water-based products, antibacterial and kind to the skin, with dermatologically tested skin protection and care products, free of preservatives

Packing: 1 piece

Contents	Cat. No.
80 wipes	007.59.230

Wall mounted holder for dispenser



Suitable for dispenser with 80 wipes
Material: plastic
Finish: red lacquered

Packing: 1 piece

	Cat. No.
Wall mounted holder	007.59.231

Knot filler repair set



Supplied with:

- 1x knot filler gun
- 2x filler sticks in knot colour
- 2x filler sticks in pine colour
- 2x filler sticks in oak colour
- 2x filler sticks in mahogany colour

Technical data:

Filler

Softening point	120–130 °C
Flexibility at low temperatures	Up to –50 °C
Extension at 23 °C	100–200%
Strength at 23 °C	5.5–7.0 MPa
Length/ Ø	15 cm/12 mm

Gun

Operating voltage	220–240 V, 50 Hz
Operating temperature	190 °C
Bonding performance	0.3–0.6 kg/hour

For wood repairs to floors, furniture, windows/doors etc.

The knot filler is a PA based hot melt filler. Allows quick and easy repairs to damages in the edge area, scratches, and knotholes. Repairs can be filled almost invisibly, or knotholes emphasised in colour. The material is elastic, moves together with the wood and is hard enough to be processed again immediately at the same time. Also very suitable for use outdoors because it is UV stable. Wood stain, oil, lacquer and varnish compatible.

Packing: 1 piece

	Cat. No.
Knot filler repair set	007.38.190

Hand planer



For plane removal of hot-melt filler residue with wood repairs, handle beech, blade steel

Packing: 1 piece

Width mm	Cat. No.
50	007.38.192

Filler material sticks



PA based hot melt filler sticks

Packing: 1 piece

Technical data:

Density	0.98 g/cm ³
Softening point	120–130 °C
Flexibility at low temperatures	Up to –50 °C
Extension at 23 °C	100–200%
Strength at 23 °C	5.5–7.0 MPa
Open time	10–20 seconds
Length/Ø	15 cm/12 mm

Supplied with	Cat. No.
2 sticks each of: Knot colour, pine, oak, mahogany	007.38.193
2 sticks each of: Ash, beech, walnut, black	007.38.194
8 sticks, black	007.38.195
8 sticks, walnut	007.38.196

Cooling iron



Ideal processing aid for pushing the liquid filler into the crack and cooling down the material in a controlled way
Material: aluminium

Packing: 1 piece

Dimensions (L x W) cm	Cat. No.
180 x 80	007.38.191

Häfele Hard wax repair kit



Ideal for use on the building site

Contents: Hard wax sticks in 22 colours
 1 battery-operated wax melter with 2 AA batteries,
 1 hard wax scraper,
 1 sealing wax stick and 1 clear lacquer, silk matt

Supplied with:

1 stick each of following colours:

- > Abachi
- > Beech
- > Beech, medium
- > Light oak
- > Ash
- > Larch
- > Light cherrywood
- > Cherrywood
- > Mahogany, brown
- > Mahogany, medium
- > Mansonia
- > Light walnut
- > Light elm
- > Bird's eye maple
- > Black
- > Light grey, RAL 7035
- > Fawn brown
- > Deep blue
- > Light red
- > Lemon yellow
- > White
- > Transparent

Packing: 1 set

	Cat. No.
Hard wax repair kit	007.31.009

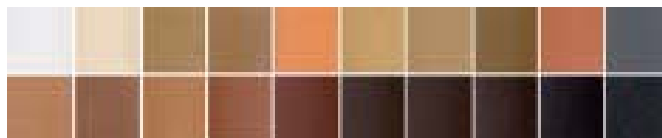
Soft wax assortment



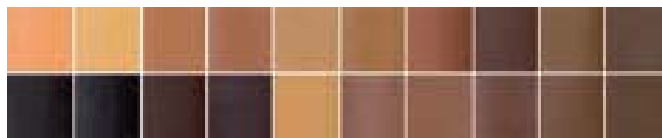
For repairing or restoring wooden surfaces
 Contents: 20 sticks

Available ranges:

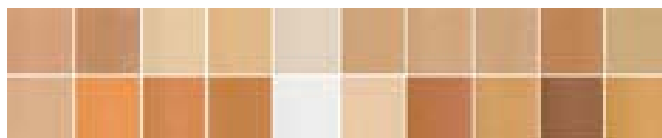
White to black



Upholstered furniture colour range



Light wood colours



Packing: 1 set

Colour	Cat. No.
White to black	007.30.060
Upholstered furniture colour range	007.30.070
Light wood colours	007.30.080

Häfele Hard wax base colours



For touching up wood surfaces that are subjected to extreme stress, different wood colours, light-fast and paintable
Contents: 20 sticks

Supplied with:

1 stick each of following colours

- > Maple
- > Birch
- > Beech
- > Beech, unfinished
- > Beech, dark
- > Oak, unfinished
- > Light oak
- > Oak, medium
- > Alder
- > Ash
- > Light cherrywood
- > Cherrywood, medium
- > Mahogany, brown
- > Mahogany, reddish
- > Light walnut
- > Walnut, medium
- > Dark walnut
- > Light grey
- > White
- > Black

Packing: 1 set

	Cat. No.
Hard wax sticks, base colours	007.31.001

Häfele Hard wax trend colours



For touching up wood surfaces that are subjected to extreme stress, different wood colours, light-fast and paintable
Contents: 20 sticks

Supplied with:

1 stick each of following colours

- > Ash
- > Oak medium
- > Limba, light
- > Light beech
- > Birch
- > Oak, unfinished
- > Antique oak, light
- > Ash, unfinished
- > Alder, brown
- > Antique spruce
- > Beech
- > Alder
- > Cherrywood
- > Cherrywood, medium
- > Cream white
- > Larch
- > Cherrywood, reddish
- > Oak, unfinished
- > Dark oak
- > Light oak

Packing: 1 set

	Cat. No.
Hard wax sticks, trend colours	007.31.002

Häfele Battery-operated wax melter for hard wax



For processing hard wax

Supplied with:

- 1 wax melter
- 2 AA batteries
- 1 set of operating instructions

Packing: 1 piece

	Cat. No.
Battery-operated wax melter	007.31.090

Häfele Touch-up pen



For repairing or restoring wooden surfaces, different wood colours

Contents: 12 pens

Supplied with:

1 touch-up pen each of

- > Maple/birch/ash
- > Beech, unfinished
- > Rustic oak
- > Light cherrywood
- > Cherrywood unfinished/alder
- > Mahogany, reddish
- > Light walnut
- > Dark walnut
- > Light elm
- > Teak

Packing: 1 set

	Cat. No.
Touch-up pen	007.33.012

Häfele Flex-Pen Touch-up pen



For repairing or restoring wooden surfaces, extremely fine tipped, different wood colours

Contents: 12 pens

Supplied with:

1 touch-up pen each of

- > Maple/birch/ash
- > Beech, unfinished
- > Rustic oak
- > Light cherrywood
- > Cherrywood unfinished/alder
- > Mahogany, reddish
- > Light walnut
- > Dark walnut
- > Light elm
- > Teak

Packing: 1 set

	Cat. No.
Flex Pen touch-up pen	007.33.025

Häfele Lacquer touch-up pen for aluminium profiles



For coating the cut surfaces of silver-coloured handle profiles, colour-coordinated for silver coloured aluminium profiles

Packing: 1 piece

Colour	Cat. No.
Aluminium coloured	007.33.062

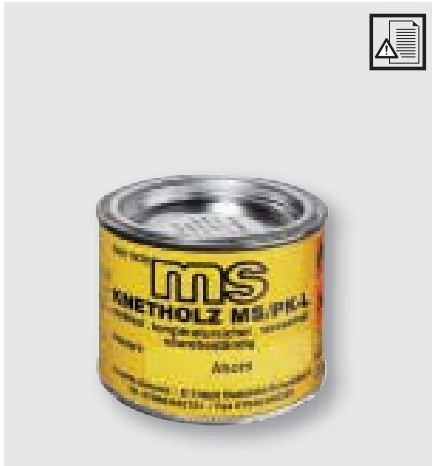
Häfele Lacquer touch-up pen for kitchens and bathrooms



Especially suitable for touching up in kitchens and bathrooms, rounded tip, particularly suitable for opaque application

Packing: 1 piece

Colour	Cat. No.
White	007.33.100
Silver coloured	007.33.101

Wood putty (wood kit)

For touching up components made from wood in indoor areas

For modelling and round nose routing in model making

For sealing boats, barrels and pipes

Bonds to wood, glass, metal, leather and is impact resistant, water resistant, temperature and acid resistant

Odourless when cured, can be cut, sanded, stained and lacquered

Contents: 200 g

Packing: 1 piece

	Cat. No.
Maple	007.38.011
Birch	007.38.021
Beech, unfinished	007.38.151
Beech steamed	007.38.161
Light oak	007.38.051
Oak medium	007.38.061
Dark oak	007.38.071
Alder, unfinished	007.38.181
Ash, unfinished	007.38.171
Spruce	007.38.111
Pine	007.38.131
Cherrywood	007.38.081
Meranti	007.38.091
Colourless	007.38.101

Häfele Repair lacquer

Clear lacquer, silk matt, sprayable without leaving stains

Packing: 1 piece

Contents ml	Cat. No.
300	007.36.023

Ponal Duo Two component PU multi filler

For the repair of construction elements made of wood and wooden materials for indoor and outdoor use with surface protection, open time approx. 15 minutes, can be sanded after 4 hrs., can be coloured with coloured paste Standard: Stress group D4 in accordance with DIN EN 204, and gap bridging in accordance with DIN EN 205

Colour: light, similar to spruce

Packing: 1 or 6 pieces

Contents g	Cat. No.
320	003.56.900

Special solution

Made from wood dust, for making wood putty

Packing: 1 piece

Contents l	Cat. No.
1	007.38.858

Thinner

For wood putty or as normal thinner

Packing: 1 piece

Contents l	Cat. No.
1	007.38.821

Brushes for oils + lacquers

→ Oil brush



Size 9,
optimally adapted to the application,
handle: Raw wood, unfinished, with brass ferrule,
bristles: Poly mix (combination of China bristles and
synthetic fibre bristles), light

Packing: 1 or 6 pieces

Width mm	Cat. No.
30	007.29.220
40	007.29.221
50	007.29.222
60	007.29.223

→ Oil brush



Size 9,
"The green one" with brass ferrule,
selected light China bristles

Packing: 1 or 6 pieces

Width mm	Cat. No.
30	007.29.210
40	007.29.211
50	007.29.212
60	007.29.213

Brushes for varnishes

→ Varnish brush



Size 10,
handle: Raw wood, unfinished, with brass ferrule,
bristles: Poly mix (combination of China bristles and
synthetic fibre bristles), dark

Packing: 1 or 6 pieces

Width mm	Cat. No.
30	007.29.240
40	007.29.241
50	007.29.242
60	007.29.243

→ Varnish brush for larger surfaces



Handle: Raw wood, unfinished, with brass ferrule,
bristles: Poly mix (combination of China bristles and
synthetic fibre bristles), dark

Packing: 1 or 6 pieces

Dim. (W x H) mm	Cat. No.
100 x 30	007.29.411



HAND TOOLS

CONTENTS

HAND TOOLS

Tool boxes, contents not included



Tool boxes, contents included



Clamps, door and window installation aids



Screwdrivers



Hex keys



Combination spanner



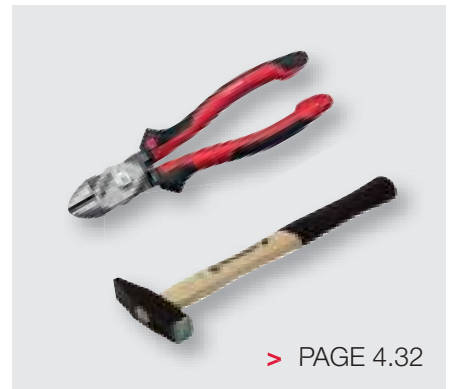
Knives, prickers, saws



Planers, chisels and accessories



Pliers, hammers



systainer® T-Loc Tool box



Practical transport and storage box, long life time due to solid construction and high-quality materials, with T-Loc rotary lock
Material: plastic light grey

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
400 x 300 x 105	008.06.550
400 x 300 x 158	008.06.551
400 x 300 x 210	008.06.552
400 x 300 x 315	008.06.553

systainer® T-Loc Fitting case with 12 removable compartments



With 12 individually removable compartments, with T-Loc rotary lock
Material: plastic light grey

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
400 x 300 x 105	008.05.400

systainer® T-Loc II Current distributor



Stackable and connectable, also with systainer® Tool-Box 1, systainer® T-Loc and systainer® Classic line, IP44 dust proof and splash proof with 5 integrated 230 V sockets (4 x outside, 1 x inside) and extending 10 m cable with building site suitability (H07RN 3 x 1.5 mm²), 2x recess for cable guide, with control light, thermo switch for indoor use
Weight: 3.95 kg

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
396 x 296 x 157.5	008.06.559

Tool boxes, contents not included

Drawer systainer® tool box

For storing and transporting small items and consumables,
all drawer systainer® can be interlinked
Material: plastic light grey, with blue fasteners

→ With 4 drawers



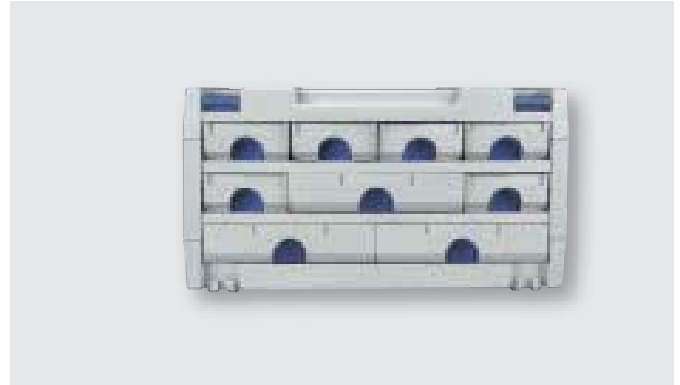
Technical data:

Number of drawers	Dim. (W x D x H) mm
1 piece	350 x 250 x 85
1 piece	172 x 250 x 34
2 pieces	83 x 250 x 34

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
400 x 300 x 210	008.06.541

→ With 9 drawers



Technical data:

Number of drawers	Dim. (W x D x H) mm
3 pieces	172 x 250 x 34
6 pieces	83 x 250 x 34

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
400 x 300 x 210	008.06.543

systainer® SYS-Sort T-Loc Tool box



Can be connected with: systainer® T-Loc,
systainer® Classic Line, Toolbox,
locking mechanism prevents unintentional opening
of drawer,
interior division can be individually configured because
each drawer is equipped with ribs which can be used
to hold partitions

Material: plastic
Colour: light grey

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
396 x 296 x 315	008.06.580

systainer® Tool Box 2

Stackable and connectable, also with systainer® Tool-Box 1, systainer® T-Loc and systainer® Classic Line, 2 spacious, open compartments with deep centre bar for quickly stowing away tools, work material and accessories

Material: plastic
Colour: light grey
Weight: 2.0 kg

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
396 x 296 x 250	008.06.870

systainer® Storage-Box Tool box

Stackable and connectable with the entire systainer® range (except MINI-systainer® T-Loc I), flexible configuration and clear organisation of small items, maximum inner storage space utilisation provided by fold-out upper compartments, with removable insert boxes (2x small, 2x medium, 1x large)

Material: plastic
Colour: light grey
Weight: 2.5 kg

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
396 x 296 x 160	008.06.871

Roll board for systainer® T-Loc



Allows ergonomic movement of large weights, connectable to any systainer®, with four swivel castors
Material: plastic light grey

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
519 x 365 x 157	008.06.523

Lifting strap for systainer® T-Loc



Facilitates carrying several systainers®, even when the hands must remain free
Material: fabric, blue

Packing: 1 piece

	Cat. No.
Lifting strap for systainer®	008.06.521

systainer® SYS-Auszug Drawer



Extending shelf, suitable for all systainer®, except MINI-, MIDI- and MAXI-systainer®, telescopic extension suitable for 32 mm series drilled holes for flexible positioning of the systainer® in your individual furnishings and equipment systems, high-quality full extension allows complete opening of the systainer® lid, central operating unit in anthracite for locking/unlocking, quick and easy self-installation

Load bearing capacity: 20 kg

Material: plastic,

Colour: light grey,

Packing: 1 or 5 piece

Dim. (W x D x H) mm	Cat. No.
425 x 375 x 60	008.06.560

systainer® SYS-Roll Transportation aid



Easy transport of systainer® T-Loc and Classic Line I - V, drawer systainer®, roll board and sack barrow function, easy stair movement due to extra large wheels, rotating front rollers with brake, integrated drawer for storage of small items, including variably adjustable safety belt

Weight: 6.5 kg

Load bearing capacity: 100 kg

Order reference:

Delivery without depicted systainer®

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
600 x 440 x 1100	008.06.570

Fitting case with 14 compartments



With 14 compartments
Material: plastic anthracite and transparent

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
340 x 260 x 60	008.05.700

Fitting case with 8 removable boxes



With 8 individually removable plastic boxes,
one box can be subdivided twice, extra deep version,
box stabilizers in the lid
Material: plastic anthracite transparent and yellow

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
423 x 334 x 98	008.05.710

Tool case with castors

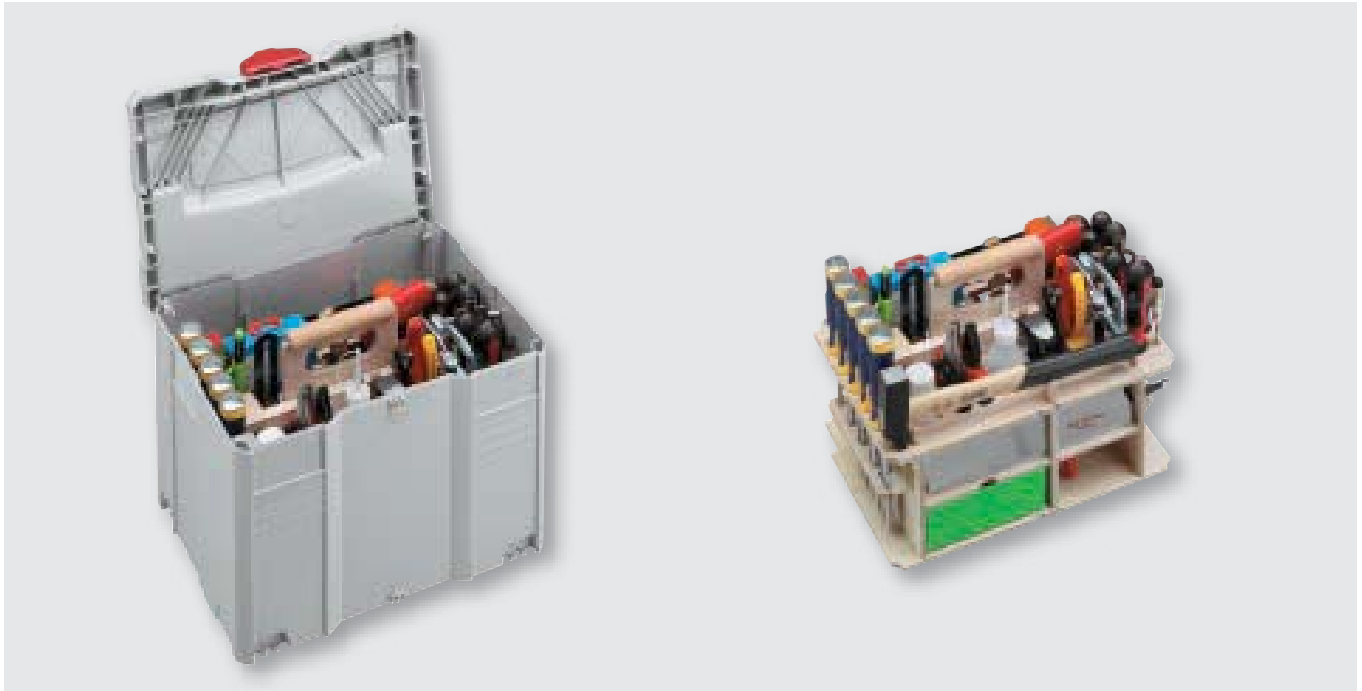


Lockable, telescopic handle,
attachment facility for a saw or spirit level in the lid,
portable insert for smaller tools
Material: plastic, black
Contents: 90 l

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
768 x 476 x 490	008.05.010

systemer® T-Loc Tool box, contents included







Practical transport and storage box, long life time due to solid construction and high-quality materials, with locking T-Loc, equipped with removable insert for hand tools made of wood material, insert contains all tools required for the building site, as well as space for individual completion
Material: plastic light grey

Packing: 1 piece

Dim. (W x D x H) mm	Cat. No.
400 x 300 x 315	008.06.535

→ systemer® T-Loc Individual components

		Packing pieces	Cat. No.
systemer® T-Loc tool box 400 x 300 x 315 mm		1	008.06.553
Insert for hand tools		1	008.06.700
Spirit level, aluminium silver coloured, 300 mm		1	002.84.030
Pocket rule, natural, 2 m		1	002.80.204

		Packing pieces	Cat. No.
Combination square 250 mm		1	002.82.220
Precision sliding bevel 250 mm		1	002.82.330
Precision mitre square 300 mm		1	002.82.350
Square pricker with wooden handle		1	001.29.750
Centre punch 120 x 10 x 4 mm		1	008.41.403
Pin punch 120 x 10 x 2 mm		1	008.41.029

		Packing pieces	Cat. No.			Packing pieces	Cat. No.
Deep hole marker with solid refill		1	002.87.041	Sanding block 70 x 120 mm		1	005.51.900
Parallel scriber, blue		1	002.81.846	Chisel with striking cap 6 mm		1	000.30.005
Marking gauge 220 mm		1	002.85.010	Chisel with striking cap 10 mm		1	000.30.006
Current tester 65 x 3 mm		1	006.31.256	Chisel with striking cap 16 mm		1	000.30.007
Screwdriver set, 6 pieces		1	006.28.400	Chisel with striking cap 20 mm		1	000.30.008
Hex key set SW, 7-piece set		1	006.28.410	Chisel with striking cap 25 mm		1	000.30.009
Building site key		1	916.99.013	Flat chisel 200 mm		1	008.40.442
Twist drill bit, HS, 19 pieces in case		1	001.41.530	Joiner's hammer 450 g		1	006.00.064
HS hole centre drilling bit 2.7 mm		1	001.42.032	Side cutting pliers 160 mm		1	006.13.420
Countersunk bit, hand held, with handle		1	001.26.134	Combination pliers 160 mm		1	006.11.185
Hacksaw 250 mm		1	000.58.622	Long nose pliers with cutting edge straight 200 mm		1	006.12.030
Japanese pull saw with rattan handle 265 mm		1	000.57.000	Waterpump pliers 250 mm		1	006.11.530
Engineer's file 200 x 20 mm		1	005.85.572	Pincers 210 mm		1	006.10.200
RALI® 220 universal hand planer, with 4 blades		1	004.39.001	Bessey multi-purpose scissors 190 mm		1	006.17.001
				Universal knife with snap-off blade		1	000.33.435
				All-steel screw-clamp 120 mm		2	003.71.013
				Express glue bottle		1	003.49.119
				Multifunction oil 100 ml		1	007.34.600

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Mobilo-Box 63 "Classic" Tool box



The Mobilo-Box 63 "Classic" is the ideal companion for the craftsman, equipped with a fastening strip, the Mobilo-Box 63 "Classic" easily hangs on the wall or is easily transported by integrated castors and a handle. The Mobilo-Box "Classic" consists of heavy-duty multiplex panels made from lacquered beech wood and represents a very stable tool case. This is additionally supported by powder coated steel fittings.

Dim. (W x D x H): 630 x 268 x 350 mm

Weight: (Empty) 11.5 kg

Practice-oriented, high-quality set of tools, 36 pieces consists of measuring tools, saws, screwdrivers, pliers, drill bits, chisels etc.

Packing: 1 piece

	Cat. No.
Mobilo-Box without content	008.00.600
Set of tools	008.00.610

→ Mobilo-Box 63 "Classic" Individual components

		Packing pieces	Cat. No.
Spirit level 600 mm, red aluminium		1	002.84.074
Combination square 250 mm		1	002.82.220
Precision sliding bevel 250 mm		1	002.82.330
Precision mitre square 300 mm		1	002.82.350
Square pricker with wooden handle		1	001.29.750
Automatic centre punch		1	008.41.400

		Packing pieces	Cat. No.
Pin punch 120 x 10 x 2 mm		1	008.41.029
Parallel scribe, blue		1	002.81.846
Current tester 65 x 3 mm		1	006.31.256
Standard screwdriver, version A, size 2, blade 2.5 mm, 75 mm		1	006.28.350
Standard screwdriver, version A, size 7, blade 4 mm, 100 mm		1	006.28.351

		Packing pieces	Cat. No.			Packing pieces	Cat. No.
Standard screwdriver, version A, size 16, blade 6 mm, 150 mm		1	006.28.353	Chisel with wooden handle 6 mm		1	000.30.026
Screwdriver PZ1		1	006.28.381	Chisel with wooden handle 10 mm		1	000.30.044
Screwdriver PZ2		1	006.28.382	Chisel with wooden handle 12 mm		1	000.30.053
Twist drill bit, HS, 19 pieces in case		1	001.41.530	Chisel with wooden handle 16 mm		1	000.30.071
Countersunk bit, hand held 16 mm		1	001.26.152	Chisel with wooden handle 20 mm		1	000.30.099
Fine-toothed saw, cranked		1	000.56.888	Chisel with wooden handle 30 mm		1	000.30.142
Engineer's file 200 x 20 mm		1	005.85.572	Flat chisel 200 mm		1	008.40.442
RALI® 220 universal hand planer, with 4 blades		1	004.39.001	Joiner's hammer 450 g		1	006.00.064
Double cornice plane		1	000.11.100	Combination pliers 160 mm		1	006.11.185
Sanding block 70 x 120 mm		1	005.51.900	Waterpump pliers 250 mm		1	006.11.530
				Pincers 210 mm		1	006.10.200
				All-steel screw-clamp 160 mm		2	003.71.022
				Express glue bottle		1	003.49.119
				Filling knife width 40 mm		1	007.73.240

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Bessey TG/TGK Screw-clamp



Tensioning arms: Malleable cast, wooden handle, with ergonomic handle
 Model TG: with protective cap on the clamping surfaces, clamping force up to 6,000 N
 Model TGK: without protective cap on the clamping surfaces, clamping force up to 7,000 N

Packing: 1 piece

Opening mm	Throat depth mm	Model	Cat. No.
100	50	TG10	003.69.801
160	80	TG16	003.69.803
200	100	TG20	003.69.804
250	120	TG25	003.69.805
300	140	TG30	003.69.806
400	175	TG40	003.69.807
500	120	TGK50	003.69.808
600	120	TGK60	003.69.809
800	120	TGK80	003.69.810
1,000	120	TGK100	003.69.811
1250	120	TGK125	003.69.812
1500	120	TGK150	003.69.813
2000	120	TGK200	003.69.815

Bessey GZ All-steel screw-clamp



With ergonomic handle, clamping force up to 6,000 N
 Material: tensioning arms all-steel, tempered, wooden handle

Packing: 1 piece

Opening mm	Throat depth mm	Cat. No.
120	60	003.71.013
160	80	003.71.022
200	100	003.71.031
250	120	003.71.040
300	140	003.71.059
400	120	003.71.068
600	120	003.71.077

Bessey KT Edge clamp



For tightening strips and edge bands, for clamping onto profile rails of screw-clamps, suitable for use with commercial screw-clamps with max. rail thickness of 13 mm

Material:
 Body: steel
 Handle: wood

Packing: 1 piece

	Cat. No.
Edge clamp	003.71.719

Bessey Kli Klamp Lever clamp

Gentle tightening due to swivelling pressure plate, lightweight and stable, clamping force up to 1,200 N
 Material: fixed and sliding jaw made of magnesium, ratchet made of glass fibre reinforced plastic
 Throat depth: 80 mm

Packing: 1 or 6 pieces

Opening mm	Weight kg	Cat. No.
160	Approx. 0.29	003.71.102
200	Approx. 0.32	003.71.103
250	Approx. 0.355	003.71.104

Bessey EZ One-handed clamp

For clamping and spreading, handy two component handle for quick and precise clamping pressure, quick tightening provided by pistol grip and instant release on pressure, clamping jaws with protective caps, clamping force approx. 700 N
 Clamping rail: steel, hardened
 Protective caps: plastic

Packing: 1 piece

Opening mm	Throat depth mm	Spreading width mm	Cat. No.
150	60	130–315	003.72.804

Bessey EZS One-handed clamp

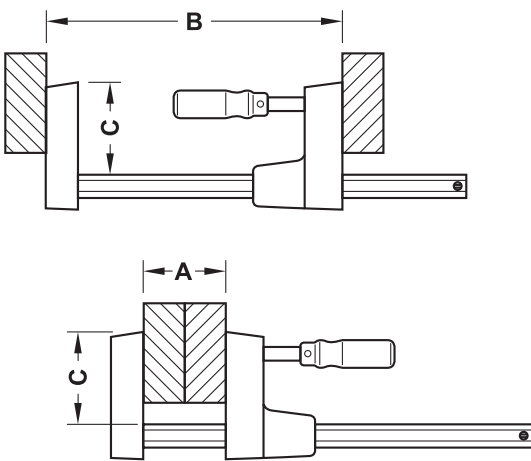
Universal quick action clamp for clamping and spreading, handy two component handle for quick and precise clamping pressure, for clamping the clamping jaw in any position on the rail, clamping jaws with protective caps, fast switching between clamping and spreading clamp, quick release by briefly pressing release lever, clamping force approx. 2,000 N

Clamping rail: steel, hardened
 Protective caps: plastic

Packing: 1 piece

Opening mm	Throat depth mm	Spreading width mm	Cat. No.
150	80	170–360	003.72.800
300	80	170–510	003.72.801
450	80	170–660	003.72.802
600	80	170–810	003.72.803

Bessey Uni Klamp Universal clamp



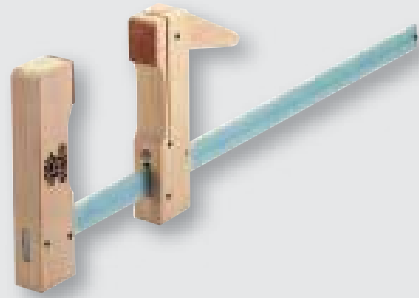
For clamping and spreading of sensitive surfaces, round and sharp workpieces with large clamping surfaces, also tightens on the side and behind the rail, clamping force up to 1,500 N

Technical data:

Opening A mm	Spreading width B mm	Throat depth C mm	Rail mm	Weight kg approx.
160	172-270	80	20 x 5	0.6
600	172-720	80	20 x 5	0.93

Opening mm	Packing pieces	Cat. No.
160	1	003.72.721
600	1 or 6	003.72.723

Cam clamp



Material: tensioning arms made of hornbeam, steel rails, clamping surface cork coated
Throat depth: 110 mm

Packing: 1 piece

Opening mm	Cat. No.
200	003.73.026
400	003.73.044
600	003.73.062

→ Combination replacement part for cam clamp



For additional tightening of edges and edge bands or as replacement tensioning arm
Material: hornbeam

Packing: 1 piece

	Cat. No.
Combination replacement part	003.73.106

Bessey Revo KR Body clamp

Very large parallel clamping surfaces with 3 removable protective caps to protect delicate surfaces, can be converted to spreading function without tools, high quality 2-component plastic handle with hexagon socket for comfortably reaching the clamping force (max. torque 17 Nm)

Metal reinforced plastic housing and optimised sliding arm with double slide protection for more power and reliability. The clamping force is maintained and any unintentional slipping of the sliding arm is prevented when in the unclamped position.

Clamping force: ≤ 8000 N,
Throat depth: 95 mm

Packing: 1 or 2 pieces

Opening mm	Spreading width mm	Cat. No.
600	730	003.72.205
800	930	003.72.206
1,000	1130	003.72.207
1250	1355	003.72.208

Bessey PS 130 Seaming tool

For tightening and positioning large-scale, also heavy components with a smooth surface, such as artificial stone, ceramic, granite, Corian®, plastic, sheet metal and glass

Vacuum pumps with control function, clamping force up to 1,200 N, with release button for quick removal, robust design

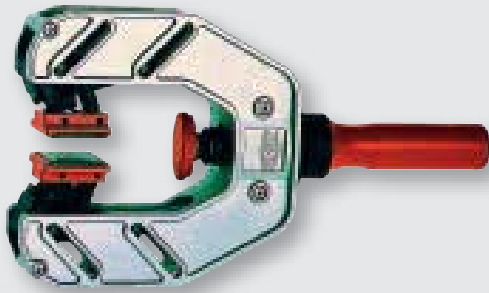
Vacuum cup \varnothing : 210 mm
Length: 770 mm



Packing: 1 piece

	Cat. No.
PS130 seaming tool	006.69.000

Bessey One-handed edge clamp



With micro-coated surface (does not rub off),
with removable plastic caps,
with ergonomic handle,
with double spindle (outer spindle moves jaws,
inner spindle generates pressure on the edge)

Material:

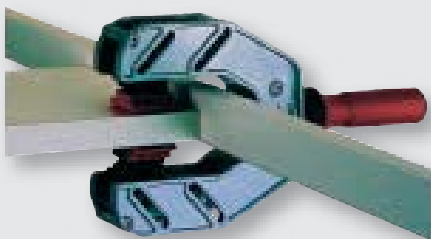
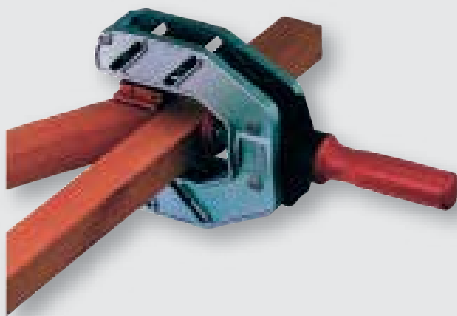
Housing: aluminium

Pressure plates: yellow chromatised

Handle: impact-resistant plastic

Weight: 0.82 kg

Application examples



Packing: 1 or 6 pieces

Opening mm	Throat depth mm	Cat. No.
10-55	0-45	003.73.830

Bessey Clippix Spring clamp



Versatile, can be used as a cam clamp, for example
with non-slip grip pads,
with softpads for sensitive workpieces

Packing: 1 or 10 pieces

Opening mm	Throat depth mm	Cat. No.
50	50	003.75.120
75	70	003.75.130

Bessey AV2 Spacer



For floating installation of laminate and prefinished
parquet floors without wedges,
continuously adjustable for wall distance 5-20 mm,
with practical turn knob,
wide clamping and support surface, with millimetre scale,
robust, light and compact
Material: plastic

Packing: 4 pieces

	Cat. No.
Spacer	003.71.661

Mitre spring clamp set

For tightening strips and edge bands,
for clamping on profile rails of screw-clamps

Supplied with:

1 spreader pliers
8 steel clamps each for strip widths:
10–15 mm, 15–25 mm, 20–30 mm, 25–45 mm,
40–70 mm, 65–90 mm

Packing: 1 set

	Cat. No.
Mitre spring clamp set	003.74.256

Mitre spring clamp

Material: round steel

Packing: 10 pieces

Area of application	Cat. No.
For strip widths up to 15 mm	003.74.318
For strip widths up to 25 mm	003.74.327

Bessey STC-HH50 Quick-action clamp, variable

Characteristics: Horizontal toggle clamp with open arm,
area of application: Clamp more flexibly and up to
5x faster, sensitive workpieces with a veneered or
lacquered surface, for example, can be clamped without
damage, adapts to workpieces with different thicknesses
with approximately equal clamping force, without
manually adjusting the pressure screw
Version: extremely wide tightening range thanks
to patented mechanism, clamping force regulation
via adjusting screw in joint
Automatic adjustment: 35 mm
Clamping force: 2,500 N
Opening: 40 mm

Packing: 1 piece

Model	Cat. No.
STC-HH50	003.71.240

Bessey TU Door frame clamp



Interchangeable clamping elements with increased clamping surfaces and removable straightening clamps to fix the door frame securely and easily, strut with millimetre scale and clamping screw, clamping surfaces with felt protection

Material:

Rail: aluminium anodized

Jaws: plastic

Packing: 2 pieces

Opening mm	Cat. No.
565 – 1010	003.74.680

Bessey TFM Door frame straightening clamp



For fast and accurate alignment and fixing of the door frames with ergonomic handles, burr-free riveted with spindle, with large protective caps for gentle support to the wall

Packing: 2 pieces

	Cat. No.
Door frame straightening clamp	003.74.658

Bessey WTR Angled door frame straightening clamp



For aligning door frames With ergonomic handles, burr-free riveted with spindle, with large protective caps for gentle support to the wall, rotary handle with trapezoidal threaded spindle for aligning, movable lever with return spring

Adjusting distance: 32 mm

Opening: 8–30 mm

Material:

Body: glass fibre reinforced polyamide

Counterpart: steel, galvanized, wooden handle

Packing: 2 pieces

	Cat. No.
WTR door frame straightening clamp	003.74.650

Inflatable mounting bag



For avoiding scratches,
for easy and precise fitting, no wedge consumption,
completely empty gaps, time savings
Load bearing capacity: 100 kg/piece
Width: gap 2–50 mm
Material: fibre reinforced plastic

Supplied with:
4 inflatable mounting bag with belt hook

Packing: 1 set

	Cat. No.
Inflatable mounting bag	003.74.790

Universal pinch bar



With robust wooden handle,
striking ring

Packing: 1 piece

Length	Cat. No.
Blade approx. 135 mm	000.30.900

Stainless steel screwdriver, PZ cross slot



Hexagonal shaped handle prevents screwdriver from rolling away from the work area, precise blade fit facilitates maximum torque transmission of the burnished tips, ergonomically shaped, impact-resistant handle, with hexagonal blade and shoulder, robust and durable

Material:
Blade: high-alloyed chrome-molybdenum-vanadium steel
Handle: plastic

Packing: 1 piece

Drive	Length mm	Cat. No.
PZ 1	175	006.28.301
PZ 2	205	006.28.302
PZ 3	270	006.28.303

Screwdriver, TS (T-star drive)



Hexagonal shaped handle prevents screwdriver from rolling away from the work area, precise blade fit facilitates maximum torque transmission of the burnished tips, ergonomically shaped, impact-resistant handle, robust and durable

Material:
Blade: high-alloyed chrome-molybdenum-vanadium steel
Handle: plastic

Packing: 1 piece

Drive	Length mm	Cat. No.
TS 10	175	006.28.210
TS 15	175	006.28.211
TS 20	195	006.28.212
TS 25	195	006.28.213
TS 30	220	006.28.215

Standard screwdriver, shape A



Hexagonal shaped handle prevents screwdriver from rolling away from the work area, precise blade fit facilitates maximum torque transmission of the burnished tips, ergonomically shaped, impact-resistant handle, robust and durable

Standard: Blade dimensions in compliance with DIN 5265

Material:
Blade: high-alloyed chrome-molybdenum-vanadium steel
Handle: plastic

Packing: 1 piece

Drive blade	Length mm	Cat. No.
2.5 mm	75	006.28.350
4.0 mm	100	006.28.351
5.5 mm	125	006.28.352
6.0 mm	150	006.28.353
10.0 mm	200	006.28.354

Screwdriver set, 6 pieces



Material:
Blade: high-alloyed chrome-molybdenum-vanadium steel
Handle: plastic

Precise blade fit facilitates maximum torque transmission of the burnished tips, hexagonal shaped handle prevents screwdriver from rolling away from the work area, ergonomically shaped, impact-resistant handle, robust and durable

Supplied with:

- 1 blade PZ1, length: 80 mm
- 1 blade PZ2, length: 100 mm
- 1 blade PZ3, length: 150 mm
- 1 blade 3.0 mm, length: 80 mm
- 1 blade 4.0 mm, length: 100 mm
- 1 blade 5.5 mm, length: 125 mm

Packing: 1 set

Contents	Cat. No.
6 pieces	006.28.400

Screwdriver with round blade, Soft Finish®, 6-piece set

With ergonomic handle, with roll-off protection, with hardened blade tip for high demands

Material:

Blade: chrome-vanadium-molybdenum steel, fully hardened matt chrome plated

Handle: plastic

Supplied with:

- 1 blade PZ1, length: 80 mm
- 1 blade PZ2, length: 100 mm
- 1 blade 3.5 mm, length: 100 mm
- 1 blade 4.5 mm, length: 125 mm
- 1 blade 5.5 mm, length: 150 mm
- 1 blade 6.5 mm, length: 150 mm

Packing: 1 set

Contents	Cat. No.
6 pieces	006.30.447

Electrician's screwdriver PH

Hexagonal shaped handle prevents screwdriver from rolling away from the work area, precise blade fit facilitates maximum torque transmission of the burnished tips, ergonomically shaped, impact-resistant handle, robust and durable, Power readiness:

AC 1000 V DC 1500 V

Standard: In compliance with IEC 60900: 2004, blade dimensions according to DIN 7438

Material:

Blade: High-alloyed chrome-molybdenum-vanadium steel

Handle: plastic

Packing: 1 piece

Drive	Length mm	Cat. No.
PH 2	205	006.28.101

Electrician's screwdriver, flat blade

Hexagonal shaped handle prevents screwdriver from rolling away from the work area, precise blade fit facilitates maximum torque transmission of the burnished tips, ergonomically shaped, impact-resistant handle, robust and durable, Power readiness:

AC 1000 V DC 1500 V

Standard: In compliance with IEC 60900: 2004, blade dimensions according to DIN 7437

Material:

Blade: high-alloyed chrome-molybdenum-vanadium steel

Handle: plastic

Packing: 1 piece

Drive	Length mm	Cat. No.
Blade 0.4 x 2.5 mm	160	006.28.001
Blade 0.6 x 3.5 mm	185	006.28.002

Reversible screwdriver, PH2 cross slot and flat blade

Material:

Blade: CV-steel

Handle: cellulose acetate

Packing: 1 or 12 pieces

Drive	Length mm	Cat. No.
Blade 6 mm/PH2	80	006.31.500

Cap lifter

For lifting escutcheons or backplate caps for the disassembly of door handle sets

Packing: 1 piece

	Cat. No.
Cap lifter	006.36.991



Screwdriver with flexible shaft and 1/4" Bit holder



Blade: Plastic coated wire mesh
 Handle: Wiha SoftFinish® multi-component handle with roll-off protection, chuck with ratchet spring clip,
for screw fixing at an angle

Length mm	Cat. No.
268, blade: 150	006.28.371

Hex key set SW, 7-piece set

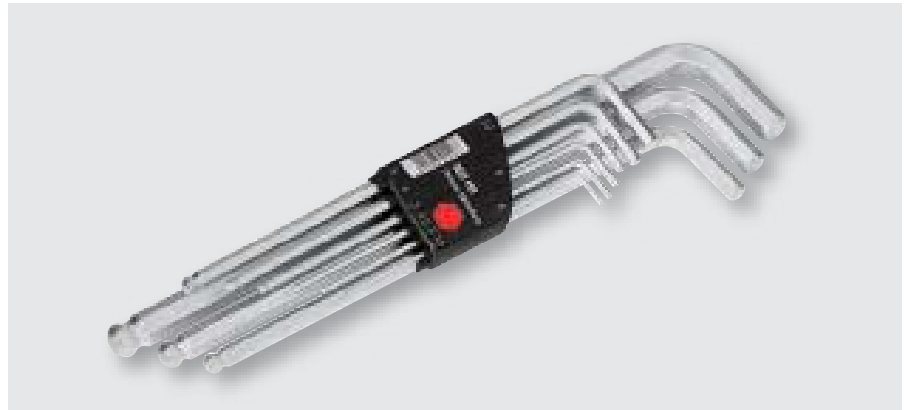


Supplied with:
 1 each of SW 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm

Packing: 1 piece

Contents	Cat. No.
7 pieces	006.28.410

Ball end hex keys, 9-piece set

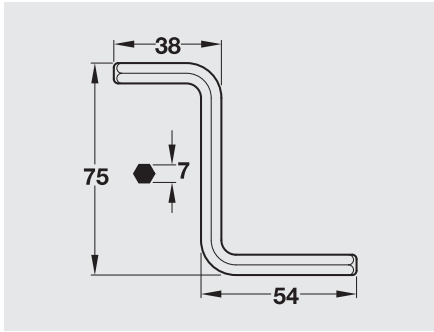


Specially designed for hard to reach screws
 ball head allows screw fixing at an angle up to 25°, with common key sizes, with compact holder
 Standard: in accordance with ISO 2936L
 Material: chrome vanadium steel, fully hardened, matt chrome plated
Supplied with:
 Key sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10

Packing: 1 set

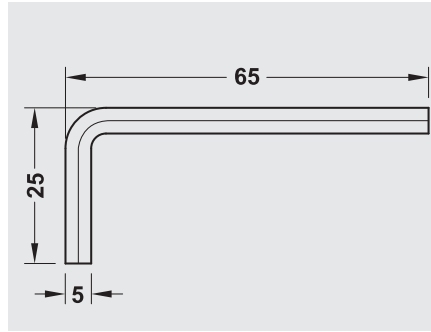
Contents	Cat. No.
9 pieces	008.28.414

Hex key, Z-shape



Material: steel galvanized

Hex key, L-shape



Material: steel

Combination spanner



With Maxi profile for better grip, grips the sides, not at the corners
Standard: in compliance with ISO 3318, DIN 3113

Supplied with:

1 each of size 8, 10, 11, 13, 14, 15, 17 and 22

Packing: 1 set

Packing: 1 or 10 pieces

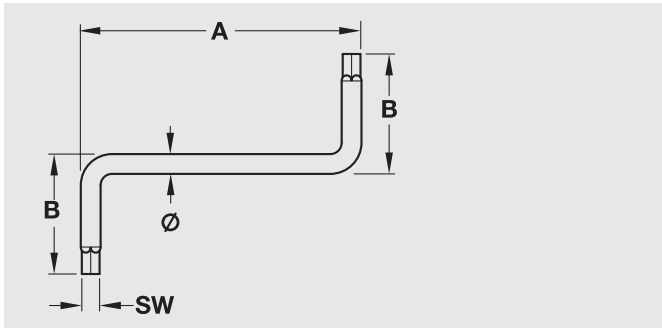
Packing: 1 or 500 pieces

Key size mm	Cat. No.
7	261.05.975

Key size mm	Cat. No.
4	008.28.242

Contents	Cat. No.
8 pieces	008.22.611

Hex key, Z shape



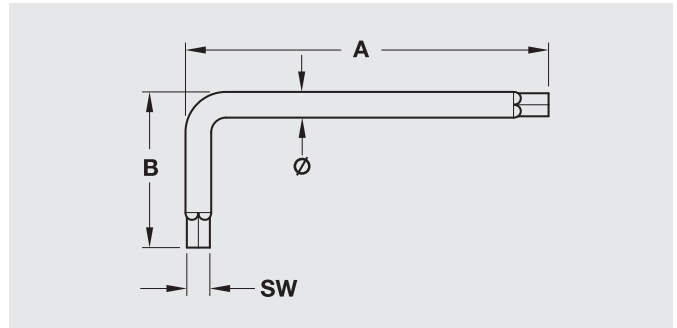
Material: steel galvanized

Technical data:

Key size SW	Dim. A mm	Dim. B mm	Ø mm
3	46	19	3.5
4	48	20	4.4

Key size mm	Packing pieces	Cat. No.
3	1000 or 3000	008.28.453
4	1600	008.28.454

Hex key, L-shape



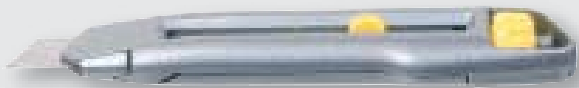
Material: steel, galvanized

Technical data:

Key size SW	Dim. A mm	Dim. B mm	Ø mm
3	60	22	3.5
4	66	28	4.5
5	76	31	5.6
6	86	36	6.8
8	96	44	9.0

Key size mm	Packing pieces	Cat. No.
3	1 or 500	008.28.230
4	1 or 500	008.28.241
5	1 or 100	008.28.250
6	1 or 100	008.28.260

Universal knife with snap-off blade



With sliding in and sliding out blade, with self-locking blade slider - automatically locks the blade in use, for snap-off blades 18 mm

Material: robust aluminium alloy

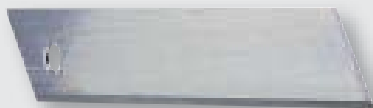
Supplied with:

1 universal knife with 1 snap-off blade 18 mm

Packing: 1 piece

	Cat. No.
Universal knife	000.33.435

→ Snap-off blades



18 mm snap-off blade with 8 tips, for a secure, accurate and efficient cutting

Packing: 10 pieces

Length mm	Cat. No.
18	000.33.431

Bessey Multi-purpose scissors



For a wide variety of materials

Packing: 1 piece

Length mm	Cat. No.
190	006.17.001

Square pricker

With wooden handle and striking cap

Packing: 1 piece

Length mm

180

Cat. No.

001.29.750

Automatic centre punch

Suitable for wood and metal,
for centre punching without hammer
with integrated spring,
adjustable spring force

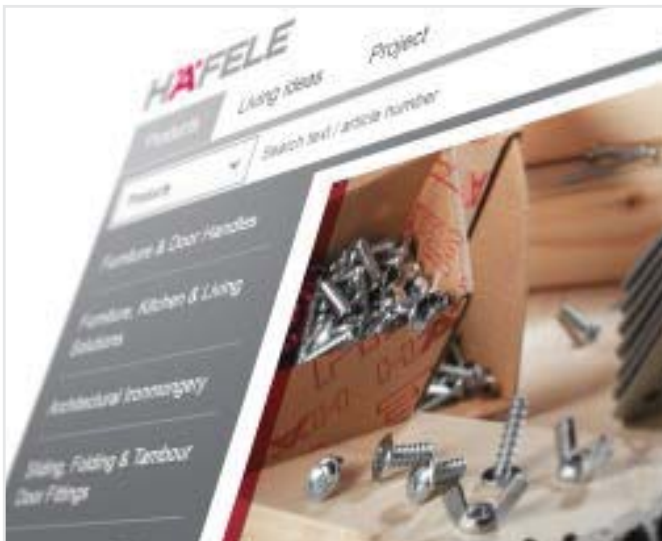
Packing: 1 piece

Length mm

125

Cat. No.

008.41.400



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Japanese pull saw

With rattan handle,
high-quality Japanese steel

Packing: 1 piece

Saw blade length mm	Cat. No.
265	000.57.000

→ Replacement saw blade

Packing: 1 piece

Saw blade length mm	Cat. No.
265	000.57.001

Japanese pull saw, alteration set with 3 saw blades**Supplied with:**

- 1 Akagashi handle
- 1 Akagashi universal saw blade 270 mm
- 1 Akagashi fine saw blade 250 mm
- 1 Akagashi jigsaw saw blade 150 mm
- 1 Roll-case made of jute

Lever for the clamping mechanism integrated in the handle provides easy and quick replacement of Akagashi saw blades

Packing: 1 set

	Cat. No.
Japanese pull saw, alteration set	000.57.050

Japanese pull saw, 3-piece set

- 1 Kataba Super Hard (for hard materials)
- 1 Roll-case made of jute

Packing: 1 set

	Cat. No.
Japanese pull saw set	000.57.040

→ Replacement saw blades

The 3 most common Japanese saws in a practical jute roll-up case**Supplied with:**

- 1 Dozuki universal (for dovetail connection)
- 1 Ryoba Komane (for fine surfaces, crossways and long woodcuts)

Packing: 1 piece

	Cat. No.
Dozuki universal saw blade	000.57.041
Ryoba Komane saw blade	000.57.042
Kataba Super Hard saw blade	000.57.043

Hand saw, coarse

Quick sawing and long tool life due to hard point teeth, angles from 90° and 45° can be marked by positioning the handle, 7 teeth per 25 mm

Packing: 1 piece

Saw blade length mm	Cat. No.
450	000.56.410

Fine-toothed saw

For fine cuts, with folding handle (for left and right handed persons)
Cutting height: 40 mm
Length: 375 mm

Packing: 1 piece

Saw blade length mm	Cat. No.
250	000.56.888

Hacksaw

For wood and metal
Material: with plastic handle, with PUK hacksaw blade
Length: 250 mm

Packing: 1 piece

Saw blade length mm	Cat. No.
150	000.58.622

→ Replacement saw blade, universal

Supplied with: 12 pieces

Packing: 1 pack

Saw blade length mm	Cat. No.
150	000.58.640

hacksaw

For sawing in hard-to-reach positions,
length of saw blade adjustable in the material opening

Material:

Frame: steel

Handle: plastic

Packing: 1 piece

Saw blade length mm	Cat. No.
300	000.58.720

Metal hacksaw

With sturdy metal frame, tension adjustment with clamping lever on the handle, easy blade change without tools, with support handle at the front, with non-slip handle, 127 mm cutting depth

Material: durable injection moulded metal body
Length: 430 mm

Packing: 1 piece

Saw blade length mm	Cat. No.
300	000.58.730

→ Replacement saw blades for metal hacksaw



Suitable for cutting any material,
fully cured for processing hard steel

Material: HSS molybdenum

Supplied with: 5 pieces

Packing: 1 pack

Saw blade length mm	Cat. No.
300	000.58.731

Double cornice plane



With strike button
 Material: hornbeam wood
 Width: blade: 30 mm

Packing: 1 piece

Length mm	Cat. No.
270	000.11.100

Rali® 220 Universal hand planer



With reversible blades, planing width 48 mm,
 easily adjustable chip removal
 Material: Planer handle: plastic, orange, Sole: steel

Supplied with:
 1 planer
 4 replacement blades
Packing: 1 piece

Length mm	Cat. No.
220	004.39.001

→ Replacement reversible blade for Rali 220

Material	Packing pieces	Cat. No.
Hard metal	2	004.39.029
HSS	10	004.39.010

Surform plane



For planing, grating, levelling and filing of wood materials
 Material: metal body, plastic handle
 with replacement blade
 Blade length: 255 mm

Packing: 1 piece

Length mm	Cat. No.
315	000.14.020

Smooth short plane



With drive head,
 Material: plane body made from American cherrywood,
 vera lignum vitae sole
 Width: Blade: 48 mm

Packing: 1 piece

Length mm	Cat. No.
220	000.10.280

Chisel



With plastic cap protecting the blade
 Material: Handle: beech wood, with striking ring
 Blade: Forged steel, Standard: DIN 5139
Packing: 1 piece

Width mm	Cat. No.
6	000.30.026
8	000.30.035
10	000.30.044
12	000.30.053
16	000.30.071
20	000.30.099
25	000.30.118
28	000.30.133
30	000.30.142
35	000.30.150

Chisels, 6-piece set



With plastic cap protecting the blade
 Material:
 Handle: beech wood, with striking ring
 Blade: forged steel
 Standard: DIN 5139

Supplied with:
 1 piece each of 6, 10, 12, 16, 20 and 25 mm

Packing: 1 set

Contents	Cat. No.
6 pieces	000.30.210

Japanese chisels, 6-piece set



Suitable for hardwood,
 for driving with iron hammer,
 two ply blade, long tool life
 Material: Handle: japanese red oak, Blade: steel

Technical data:	
Blade hardness	60 Rockwell
Blade length	58 mm
Total length	225 mm
Blade thickness	5-6 mm

Supplied with:
 Chisels 6/9/12/18/24/30 mm

Packing: 1 set

Contents	Cat. No.
6 pieces	000.30.600

Sharpening stone 2 in 1



For sharpening and honing chisels
 Version: combination stone with grain sizes of 1000/6000
 Dim. (W x D x H): 205 x 50 x 25 mm

Note:
 Use only with water!

Packing: 1 piece

	Cat. No.
Sharpening stone	005.21.000

Joiner's mallet



Material:
 Hammer head made of steamed beech
 Handle: ash profiled

Packing: 1 piece

Width mm	Cat. No.
140	000.35.120

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.



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Pincers

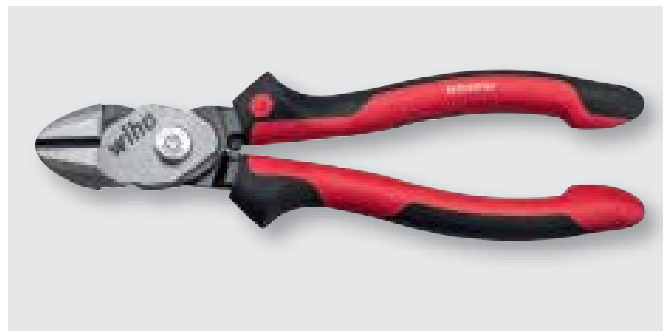


Low wear and rear and suitable for heavy-duty use, classic head shape, with precision blade for high cutting performance, for pulling and cutting nails and wires, suitable for binding wires
 Standard: DIN ISO 9242
 Material: high-quality tool steel, tempered

Packing: 1 piece

Length mm	Cat. No.
220	006.10.200

High-performance side cutting pliers, switchable



For cutting different materials such as cables, nails, screws, bolts, wire cable, spring wire or chains less force required, reduces the strain on the wrists, very convenient to use due to one handed operation, robust and durable, induction hardened cutters up to HRC 64

Packing: 1 piece

Length mm	Cat. No.
200	006.13.430

Waterpump pliers, with push button adjustment



For gripping and holding tubes, profiles and hexagonal nuts, with push button adjustment for fast setting and locking mechanism, with extra narrow head for working in hard to reach places, optimum adaptation to object to be gripped by finely adjustable, through-bolt joint, robust and durable

Technical data:

Length mm	External tube Ø mm	Key size mm
180	1/8-1"	6 – 30
250	1/8-2"	6 – 50

Packing: 1 piece

Length mm	Cat. No.
180	006.11.520
250	006.11.510

Waterpump pliers



For gripping and holding tubes, profiles and hexagonal nuts, with through-bolt joint, with narrow head for working in hard to reach places, optimum adaptation to object to be gripped by finely adjustable, through-bolt joint, robust and durable

Technical data:

Length mm	External tube Ø mm	Key size mm
250	1/8-2"	6 – 50

Packing: 1 piece

Length mm	Cat. No.
250	006.11.530

Side cutting pliers

For hard and soft wire, low wear and rear and suitable for heavy-duty use, head semi-circular, Swedish style, with specially milled precision cutters for clean cuts
Standard: DIN ISO 5749
Material: high-quality tool steel, tempered

Packing: 1 piece

Length mm	Cat. No.
160	006.13.420

Side cutting pliers, VDE approved

For cutting soft and hard wires and cables, low wear and tear and suitable for heavy-duty use, head semi-circular, Swedish style, with specially milled precision cutters for clean cuts
Standard: DIN ISO 5749, IEC 60900:2004
Material: high-quality tool steel, tempered

Packing: 1 piece

Length mm	Cat. No.
160	006.13.480

Combination pliers

Universally usable for gripping, holding, cutting soft and hard wires or cables, with extra-long cutting edge for flat and round cables, partially serrated gripping surfaces, robust and durable,

Standard: DIN ISO 5746
Material: high-quality tool steel, tempered

Packing: 1 piece

Length mm	Cat. No.
160	006.11.185
180	006.11.186

Long nose pliers with cutting edge (needle-nose pliers)

For gripping, holding, cutting soft and hard wires or cables, straight shape, with extra-long cutting edge for flat and round cables, partially serrated gripping surfaces, robust and durable,

Standard: DIN ISO 5745
Material: high-quality tool steel, tempered

Packing: 1 piece

Length mm	Cat. No.
200	006.12.030

Locksmith hammer



Standard: DIN 17200
 Material: Head: quality steel quality C45, Handle: ash
Packing: 1 piece

Weight g	Cat. No.
200	006.00.420

Joiner's hammer



Standard: DIN 5109
 Material: Handle: ash
Packing: 1 piece

Weight g	Cat. No.
320	006.00.055
450	006.00.064

Club hammer



Standard: DIN 6475
 Material: Handle: ash
Packing: 1 piece

Weight g	Cat. No.
1250	006.00.911

Rubber mallet



For the careful installation of fittings, leaves no paint abrasion
 Material:
 Head: rubber natural white,
 Handle: ash

Technical data:

Length mm	Head Ø mm	Weight g
320	55	340
340	65	550
360	75	820

Packing: 1 piece

Length mm	Cat. No.
320	006.00.490
340	006.00.491
360	006.00.492

Plastic mallet/soft faced hammer



For the careful installation of fittings
 Material:
 Head: cellulose-acetate,
 Handle: ash, polished

Technical data:

Length mm	Head Ø mm	Weight g
250	22	140
270	27	215
280	32	325
290	35	400

Packing: 1 piece

Length mm	Cat. No.
250	006.00.460
270	006.00.461
280	006.00.462
290	006.00.463

Universal demolition pry bar



For prying, splitting, bending and hitting
 Material: carbon steel forged
 Weight: 2000 g

Packing: 1 piece

Length mm	Cat. No.
460	008.42.220



MEASURING TOOLS AND INSTRUMENTS

CONTENTS

MEASURING TOOLS AND INSTRUMENTS

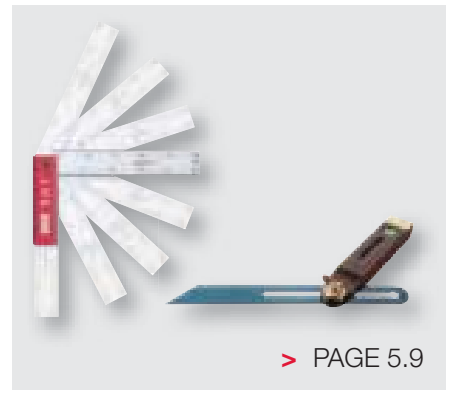
Distance measuring devices, line lasers



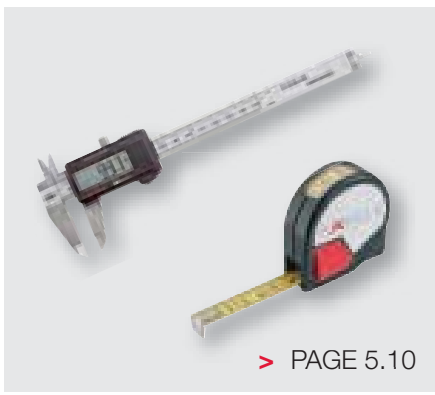
Spirit levels



Squares, sliding bevels



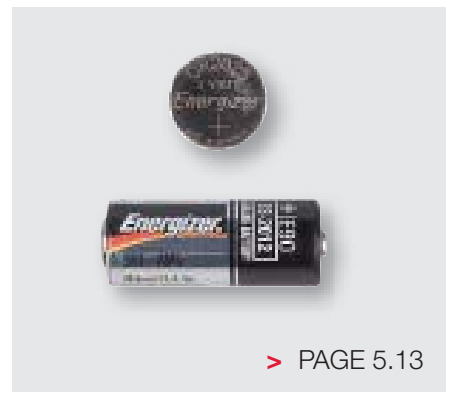
Pocket rules, measuring tapes, caliper gauges



Scribing tools



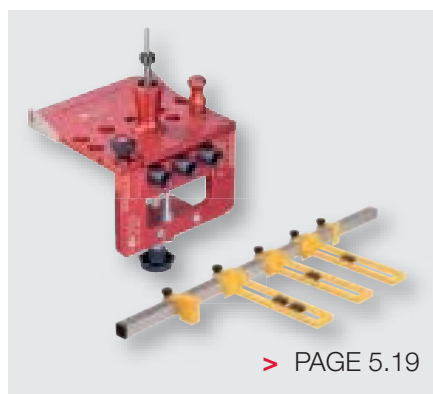
Batteries



Mortice jigs for door locks



Processing aids, drilling jigs



Routing templates



Leica DISTO™ D110
Laser distance measurer


Suitable for distance and area measurements, with Bluetooth® Smart data interface, with display illumination, free app, X-Range Power Technology, with pocket clip, up to 20 hours of operation, ergonomic design

Technical data	
Measuring tolerance	±1.5 mm
Range	0.05 m to 60 m
Operating time	10,000 measurements
Power supply	2 x 1.5 V (AAA) batteries
Degree of protection	IP 54
Dim. (L x W x H)	120 x 37 x 23 mm
Weight	92 g

Supplied with:

1 laser distance measurer
2 batteries type AAA 1.5 V

Packing: 1 piece

	Cat. No.
DISTO™ D110	002.84.630

Leica DISTO™ D2
Laser distance measurer


Suitable for distance, area and volume measurements, add/subtract capability, with Bluetooth® Smart data interface, with display illumination, free app, X-Range Power Technology, with automatic end piece detection, with memory for 10 results, up to 20 hours of operation

Technical data	
Measuring tolerance	±1.5 mm
Range	0.05 m to 100 m
Operating time	10,000 measurements
Power supply	2 x 1.5 V (AAA) batteries
Degree of protection	IP 54
Dim. (L x W x H)	116 x 44 x 26 mm
Weight	100 g

Supplied with:

1 laser distance measurer
2 batteries type AAA 1.5 V

Packing: 1 piece

	Cat. No.
DISTO™ D2	002.84.602

Leica DISTO™ X310
Laser distance measurer


Robust and resistant due to solid rubber components, with tilt sensor 360°, dust proof and waterproof (IP65) combination of tilting angle and distance measurement for precise horizontal distance measuring, indirect measuring of heights with the aid of the tilt sensor, cleaning under running water thanks to the high degree of protection. Standard: in compliance with ISO 16331-1

Technical data	
Measuring tolerance	±1.0 mm
Range	up to 120 m
Operating time	5,000 measurements
Power supply	2 x 1.5 V (AAA) batteries
Degree of protection	IP 65
Dim. (L x W x H)	122 x 55 x 31 mm
Weight	155 g

Supplied with:

1 laser distance measurer
2 batteries type AAA 1.5 V

Packing: 1 piece

	Cat. No.
DISTO™ X310	002.84.601

Sola VECTOR 40 Laser distance measurer



- > easy handling
- > soft grip and ergonomic design
- > compact, lightweight and handy
- > single measurement
- > min./max. measurement
- > continuous measurement
- > surface measurement
- > illuminated 4 line display and auto power off

Technical data	
Measuring tolerance	±1.55 mm
Range	0.2 m up to 40 m
Operating time (at 20 °C)	5000 measurements
Operating temperature	0 °C up to +40 °C
Storage temperature	-10 °C up to +60 °C
Laser class	2, DIN EN 60825-1: 2007-10
Power supply	2x 1.5 V (AAA) batteries
Degree of protection	IP 42
Dim. (L x W x H)	120 x 48 x 27 mm

Supplied with:

- 1 laser distance measurer
- 1 belt clip
- 2 batteries type AA 1.5 V

Packing: 1 piece

	Cat. No.
Sola VECTOR 40	002.84.609

Sola Crossline Line laser



High accuracy, compact, lightweight, handy, light, clearly visible laser lines, rotating foot for easy and quick alignment of the panoramic line, self-levelling line laser, 30 hours of operation (at 20 °C, all of the diodes)

Technical data	
Range	20 m without hand receiver (radius)
Operating time (at 20 °C)	30 h
Operating temperature	-10 °C up to +50 °C
Laser class	2M
Power supply	3 x 1.5 V (AA) batteries
Degree of protection	IP54
Dim. (L x W x H)	120 x 65 x 105 mm

Supplied with:

- 1 line laser
- 3 batteries type AA 1.5 V
- 1 case
- 1 battery adapter

Packing: 1 piece

	Cat. No.
Sola Crossline line laser	002.84.521

Line laser



Line laser for interior fitting

Has a built-in pendulum compensator, a clear laser line and a robust housing with rubber sheathing for even more safety on the construction site.

Thanks to the robust design, the line laser is ideal for everyday use.

Easy operation for quick and precise working.

The laser can be mounted on tripods with a 1/4" threaded connection.

Vertical and horizontal line – 120° refraction angle

Technical data	
Horizontal line tolerance	±3 mm over a length of 10 m
Vertical line tolerance	±2.5 mm over a length of 10 m
Self-levelling range	4° ±0.5°
Range	20 m/50 m with receiver
Operating time	<8 hours
Storage temperature	-20 to +60 °C
Laser class	2
Degree of protection	IP45
Power supply	3x 1.5 V (AA) batteries
Dimensions	119 x 62 x 95 mm
Weight	480 g

Supplied with:

- 1 line laser
- 3 batteries AA
- 1 bag

Packing: 1 piece

	Cat. No.
Line laser	002.84.607

Tripod with 1/4" thread connection



Ideal for line laser with 1/4" thread connection.

The crank allows the line laser to be adjusted to the required height quickly and easily.

Head tilting and swivelling.

Head plate with quick-action clasp for rapidly exchanging devices.

Easy to transport – can be used quickly.

Easy handling.

Technical data	
Working area	60–160 cm
Transport length	65 cm
Clamping	Quick action locking
Weight	1,370 g
Connection	1/4"

Packing: 1 piece

	Cat. No.
Tripod	002.84.606

Laser 360°



Versatile in use due to 360° horizontal line in conjunction with 4 additional, exactly perpendicular vertical levels, tangent screws for exact alignment of the vertical levels, the 5/8" thread connection allows for fixing the laser on a tripod, clear and stable laser lines due to motorised self-levelling – the line doesn't wobble like it does with pendulum laser levels, disable self-levelling to achieve beam inclination, for example, manual inclination possible on one axle: $\pm 5\%$ electronically and $\pm 8\%$ mechanically via the adjustable feet

Technical data	
Measuring tolerance	± 1.5 mm over a length of 10 m
Self-levelling range	4°
Optical angle	360° horizontally/4x vertically
Range	with receiver approx. 50 m
Laser	635 nm, grade 2
Power supply	integrated rechargeable battery
Degree of protection	IP54
Dimensions	\varnothing 12 cm x 22 cm
Weight	1,520 g
Thread connection	5/8"

Packing: 1 piece

	Cat. No.
Laser	002.84.608

Telescopic tripod



For lightweight laser devices with 5/8" or 1/4" connection
lightweight and easy to transport
Profile: Aluminium anodized

Technical data	
Working area	77-190 cm
Transport length	99 cm
Clamping	eccentric
Weight	2,700 g
Connection	5/8" and 1/4"

Packing: 1 piece

	Cat. No.
Telescopic tripod	002.84.605

Sola ENW Angle spirit level, electronic**Technical data**

Profile dimensions	59 x 27 mm
Profile weight	890 g/m
Measuring tolerance of standard position	0.50 mm/m (0.029°)
Measuring tolerance of reverse position	0.50 mm/m (0.029°)
Measuring tolerance of Solatronic module	0.05° at 0° and 90° 0.1° between 1° and 89°
Degree of protection	IP65

Suitable for use in any situation where angles and gradients need to be determined quickly.

- > Comfortable to read with reversible display for reverse positions. When taking measurements overhead, the display automatically rotates accordingly.
- > With "hold" function for storing measured values and for transferring angles.
- > Acoustic signal guide is available for difficult visibility conditions. It indicates the distance to the standard position. This makes it a valuable tool for users who need to have their hands free to carry out other tasks, for example mounting of furniture.
- > Adjustable inclination display in °, %, mm/m and in/ft.
- > Aluminium, silver coloured anodized

Packing: 1 piece

Length	Cat. No.
600 mm	002.84.070

Precision angle gauge

Aluminium, powder coated, red, with 2 vials, with millimetre scale, with large LCD display, with angle indicator of 0–185 ° (accuracy $\pm 0.1^\circ$), without braking device (stops in any position)
Weight: 1 kg
Voltage supply: 9 V block battery

Packing: 1 piece

Side length mm	Cat. No.
500	002.82.986

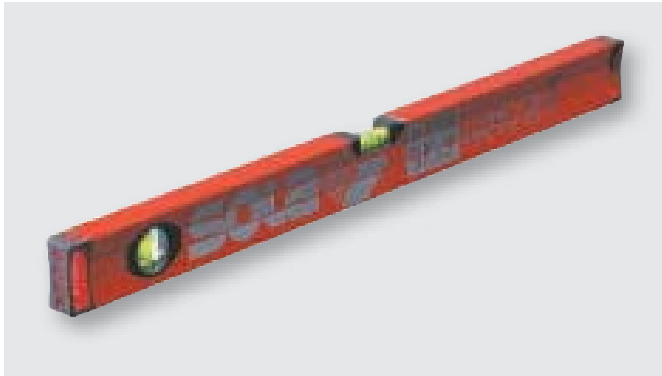
Precision angle gauge

Aluminium, powder coated red, with 2 vials, with large LCD display, with angle indicator of 0–185 ° (accuracy $\pm 0.1^\circ$ resolution 0.05 °), with switchable illumination, automatic switch-off after 5 min, stores the last value after switch-off, with "hold" function, allows a reading of the values of opaque jobs, with position-independent "Reset" function, zero of the angle gauge in every position possible, operating time approx. 1.5 years
Weight: 460 g
Voltage supply: 2 x AAA

Packing: 1 piece

Side length mm	Cat. No.
348	002.82.900

Sola Big X Spirit level



Material: Aluminium, powder coated, red
 1 horizontal vial and 1 vertical vial,
 (2 vertical vials at length 1,000 mm),
 Measuring accuracy:
 0.5 mm/m (0.029°) at standard position,
 0.75 mm/m (0.043°) at reverse position,
 horizontal vial magnified for improved all-round visibility
 and luminous surface,
 vials are adjusted electronically
 Dimensions (W x H): 25 x 51 mm

Packing: 1 piece

Length mm	Cat. No.
600	002.84.074
800	002.84.075
1,000	002.84.076

Sola Big Red Spirit level



Material: Aluminium, powder coated red
 with 2 hand grips, with unbreakable acrylic glass vials
 (1 horizontal vial, 2 vertical vials),
 with magnified display of the bubble (up to 30% larger),
 measuring accuracy 0.5 mm/m (0.029 °) in standard
 measurement/reverse position
 Dimensions (H x W): 26 x 59 mm
 Weight: 1.6 kg

Packing: 1 piece

Length mm	Cat. No.
1800	002.84.079

Sola AV Spirit level



Material: aluminium tube profile silver coloured anodized,
 2 unbreakable vials made of plastic,
 vials are adjusted electronically
 Dimensions (W x H): 21 x 50 mm

Packing: 1 piece

Length mm	Cat. No.
300	002.84.030
400	002.84.040

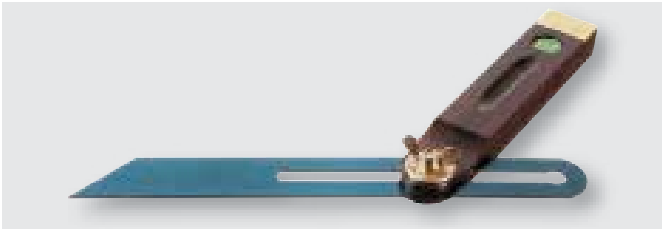
Sola HPL Spirit level



Material: aluminium profile, silver coloured anodized,
 vials and handles made of plastic,
 3 unbreakable, patented Sola Focus vials,
 Measuring accuracy: 0.5 mm/m (0.029°) at standard
 position and reverse position
 Dimensions (W x H): 100 x 25 mm

Packing: 1 piece

Length mm	Cat. No.
1800	002.84.446

Precision sliding bevel

Stop made of palisander wood,
spring-hard blue steel rail,
brass fittings

Packing: 1 piece

Length mm	Cat. No.
250	002.82.330

Precision mitre square

Stop made of palisander wood,
spring-hard blue steel rail,
brass fittings

Packing: 1 piece

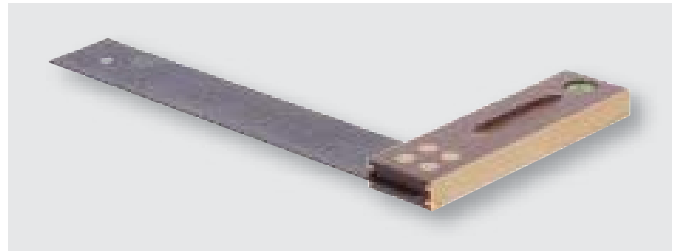
Length mm	Cat. No.
300	002.82.350

Joiner's square and mitre square

Blade length: 300 mm
Side length: 162 mm,
combination square, can be set to 8 fixed positions,
angle accuracy $\pm 0.05^\circ = 1 \text{ mm/m}$,
etched scales on both sides
Sides: aluminium anodized
Blades: rustproof steel

Packing: 1 piece

Length mm	Cat. No.
300	002.82.153

Combination square

Stop made of palisander wood,
spring-hard blue steel rail,
brass fittings

Packing: 1 piece

Length mm	Cat. No.
250	002.82.220
350	002.82.230

Joiner's square and mitre angle

Angle accuracy $\pm 0.04^\circ$,
adjustable to 45° , 90° and 135°

Packing: 1 piece

Length mm	Cat. No.
250	002.82.140

Sola Talmeter Measuring tape



Multifunctional measuring tape with combined marking and measurement edges and folding extender for inside measurements.

The folding measuring extender allows internal measurements and external measurements.

Reading on red scale.

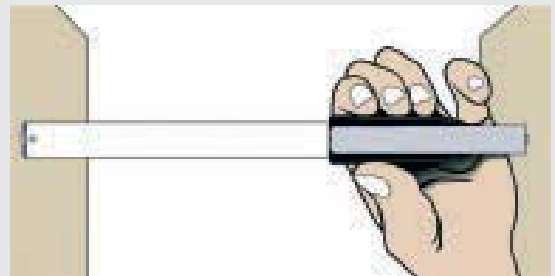
If the measured length is marked directly on the workpiece, a reading of the measurement is not required.

Due to the scribing tips position at the edge of the housing, circular curves can be transferred by means of the end hook.

The Talmeter has a special scale for direct reading off the diameter when measuring the circumference.

Accuracy class: 2 EC

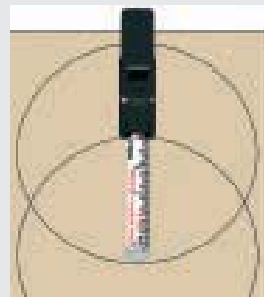
Dimensions (L x W x H): 70 x 25 x 60 mm



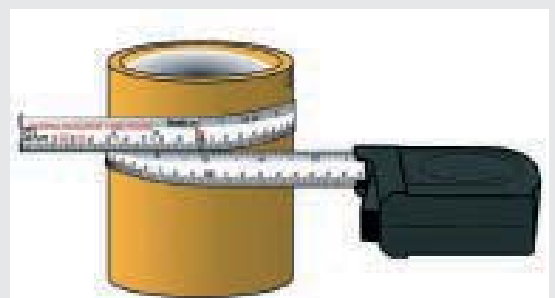
Internal measurement with folding extender



Transferring the measurement onto the workpiece



Marking of circular arcs



Determining diameters (optional)

Packing: 1 piece

Length mm

3100

Cat. No.

002.81.014

Häfele Measuring tape



Material: Housing: plastic black
 Steel strip: yellow lacquered,
 automatic retraction and return stop, with window
 for interior measurements, with Häfele logo,
 tape width 13 mm,
 Accuracy class: 2 EC

Packing: 1 piece

Length mm	Cat. No.
3,000	002.81.133

Sola Big T Measuring tape



Material: Housing: plastic red/grey
 Steel strip: yellow lacquered
 Cursor for accurate reading, shock absorber system for
 gentle tape return, housing length 100 mm with fold-out
 end-piece for measuring of inner dimensions, non-slip
 end hook, transparent, 4-fold riveted and reinforced,
 with belt clip
 Tape width: 19 mm
 Accuracy class: 1 EC
 Dimensions (L x W x H): 31 x 77 x 87 mm

Packing: 1 piece

Length mm	Cat. No.
5,000	002.81.130

Häfele Pocket rule



Material: Steel hinges, elements made of glass birch,
 natural lacquered
 Width: 16 mm
 Thickness: each element 2 mm
 Accuracy class: 3 EC

Packing: 1 or 10 pieces

Length mm	Cat. No.
2,000	002.80.204

Häfele Pocket rule

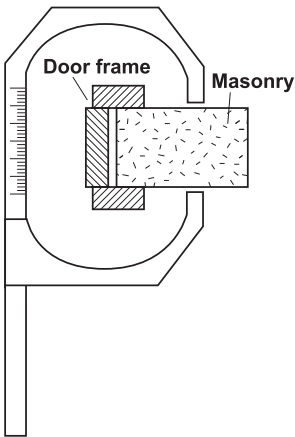


Material: steel hinges,
 Elements: beech natural lacquered,
 with patented 90° click-stop action
 Width: 16 mm
 Thickness: each element 3.5 mm
 Accuracy class: 3 EC

Packing: 1 or 10 pieces

Length mm	Cat. No.
2,000	002.80.213

Calliper



For easy measuring of the wall thickness in case of installed door frames
 Material: aluminium anodized, clamping jaws made from laminated wood, lacquered water resistant, with millimetre scale

Packing: 1 piece

Measuring range	Cat. No.
490 mm	002.81.900

Häfele HB Pencil



Integrally coloured wood, black matt lacquered, with Häfele logo, round

Packing: 10 pieces

Length mm	Cat. No.
175	002.81.808

Parallel scriber



Material: plastic, blue, automatic pencil fixing
 Opening width: 0–85 mm

Packing: 1 piece

	Cat. No.
Parallel scriber	002.81.846

Digital calliper

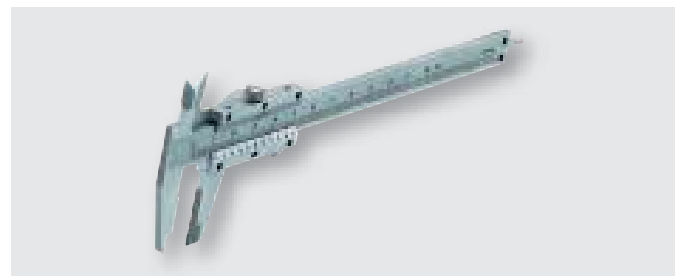


4-fold measurement, accuracy 0.01 mm, with LCD display, clamping screw, thread table and replacement battery, display in mm and inch, with depth measurement, in plastic box
 Material: rustproof steel

Packing: 1 piece

Measuring range	Cat. No.
150 mm	002.81.988

Pocket caliper gauge



With clamping screw, jaw length 40 mm, vernier 0.1mm, with depth measurement, in plastic bag
 Material: steel, matt chrome plated

Packing: 1 piece

Measuring range	Cat. No.
150 mm	002.81.960

Deep hole marker

For marking from fine to coarse, suitable for all surfaces, with solid refills, with long guide tube for markings on hard to reach places and drill holes, mark can be removed with a damp cloth

Packing: 1 piece

	Cat. No.
Deep hole marker	002.87.041

→ Refill set

Deep hole marker with solid refill

Contents:

4 pieces graphite

2 pieces red

2 pieces yellow

Packing: 1 set

	Cat. No.
Refill set	002.87.042

→ Refill set

Deep hole marker with solid refill

Content: 10 pieces of graphite

Packing: 1 set

	Cat. No.
Refill set	002.87.043

Pair of compasses with pencil holder

Material: steel

Packing: 1 piece

Length mm	Cat. No.
150	002.85.478

Battery charger

For NiMH batteries AA, AAA automatic shutdown, LED light for status indication, connection 100 – 240 V AC, 50/60 Hz
Charging time: 5–9 hours

Supplied with:

1 Energizer charger

4 Mignon rechargeable batteries,

1.2 V AA 2300 mAh

Packing: 1 piece

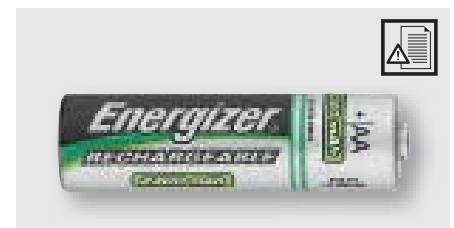
	Cat. No.
Battery charger	910.54.974

Battery

Micro, AAA, LR03
NiMH, rechargeable
Voltage: 1.2 V

Packing: 4 or 48 pieces

	Cat. No.
700 mAh	910.54.976

Battery

Mignon, AA, LR06
NiMH, rechargeable
Voltage: 1.2 V

Packing: 4 or 48 pieces

	Cat. No.
2,300 mAh	910.54.975

Alkaline manganese battery



Micro, AAA, LR03
Voltage: 1.5 V

Packing: 4 or 48 pieces

	Cat. No.
Micro battery	910.54.986

Alkaline manganese battery



For high reliability and requirement
Mignon, AA, LR06
Voltage: 1.5 V

Packing: 4 or 10 pieces

	Cat. No.
Mignon battery	910.54.980

Alkaline manganese battery



C battery, LR14
Voltage: 1.5 V

Packing: 2 or 24 pieces

	Cat. No.
C battery	910.54.987

Alkaline manganese battery



Mono, D, LR20
Voltage: 1.5 V

Packing: 2 or 24 pieces

	Cat. No.
Mono battery	910.54.988

Alkaline manganese battery



For high reliability and requirement
Block, 9V, 6LR61
Voltage: 9 V

Packing: 1 or 12 pieces

	Cat. No.
Block	910.54.981



Button cell lithium battery



Voltage: 3 V
Packing: 1 or 10 pieces

Model	Cat. No.
CR 2016	002.99.030
CR 2025	002.99.031
CR 2032	002.99.032

Silver oxide button cell battery



Voltage: 1.6 V
Packing: 10 pieces

Model	Cat. No.
364/363	002.99.060
371/370	002.99.061
377/376	002.99.062

Alkaline manganese button cell battery



Voltage: 1.5 V
Packing: 2 or 20 pieces

Model	Cat. No.
A76	002.99.001

Gauges and instruments

Exterior and interior doors

Mortice jig for door locks, for cutting a mortice for mortice locks ▶ MT 5.16

Cable channels

Accessories for mortice jig, for manufacturing cable channels for power and data cables in door leaves ▶ MT 5.18

Drilling jig for Loox leads and switches ▶ MT 5.30

Cabinet construction

Häfele Red Jig universal drilling jig

> Drill guide for Minifix 12/15 ▶ MT 5.20

> For Tab 18/Rafix 20 ▶ MT 5.21

> For Maxifix ▶ MT 5.21

> For concealed hinges 35 mm ▶ MT 5.22

> Drilling jig for series drilled holes at intervals of 32 mm ▶ MT 5.27

Precision drilling jig for Minifix ▶ MT 5.29

Precision marking gauge for mitre-joint connectors ▶ MT 5.29

Häfele drilling jig for soft closing mechanisms, dowels, shelf supports and cruciform mounting plates among others ▶ MT 5.30

Professional handle drilling jigs ▶ MT 5.31

Häfele Moovit MX drilling jig, for precise pilot drilling series drilled holes for Moovit MX runners ▶ MT 5.35

Häfele Free flap 1.7/Free flap 3.15; Häfele Free up; Häfele Free fold drilling jig ▶ MT 5.33

Häfele Free swing drilling jig ▶ MT 5.34

Hinge and mounting plate drilling jig for Blum concealed hinges in the Clip Top and Clip Top Blumotion model series ▶ MT 5.37

Drilling jig for Blum cruciform mounting plate and cruciform adapter housing ▶ MT 5.38

Universal marking gauge for Blum products ▶ MT 5.38

Blum drilling jig for Blumotion/Tip-On and mounting plates ▶ MT 5.39

Drilling jig for Blum drawer runners, lift mechanisms ▶ MT 5.40

Drilling jigs for Blum Servo-Drive ▶ MT 5.40

Drawer drilling jig for Blum snap-in couplings of concealed runners ▶ MT 5.41

Blum mounting jig for cabinet drilling ▶ MT 5.42

Furniture doors

Door mounting set, to allow furniture doors to be drilled and mounted quickly, precisely and in a professional manner ▶ MT 5.32

Drilling jig for front fixing brackets, for pilot drilling the front panel for mounting screw-on brackets ▶ MT 5.34

Blum Cristallo mounting jig glass door hinge ▶ MT 5.36

Hinge and mounting plate drilling jig for Blum concealed hinges in the Clip Top and Clip Top Blumotionmodel series ▶ MT 5.37

Flaps

Drilling jig for front fixing brackets for Häfele Free flap 1.7/Free flap 3.15; Häfele Free up; Häfele Free fold; Häfele Free swing ▶ MT 5.34

Drawers

Universal marking jig for Movento and Tandem drawer runners ▶ MT 5.38

Drawer drilling jig for Blum concealed runners ▶ MT 5.41

Centring gauge for front processing ▶ MT 5.42

Worktops

Routing template for worktop connectors ▶ MT 5.43

Biscuit jointers

Curve ruler, for screw fixing to MDF or chipboard, for producing models ▶ MT 5.44

Mortice jig for cutting a mortice



For cutting a mortice for mortise locks,
 for rebated or flush doors (optional),
 continuously adjustable to all common door thicknesses,
 suitable for on-site installation
 suitable for power drills with 13 mm chuck,
 minimum speed 2,000–3,000 rpm

Supplied with:

- 1 guide frame with 2 clamping screws
- 1 depth gauge
- 1 shaft, length 220 mm (for routing depth up to 100 mm)
- 1 milling cutter, diameter 17.5 mm (CWB 18)
- 1 milling cutter, diameter 20 mm (CWB 20)
- 1 milling cutter, diameter 23.8 mm (CWB 24)
- 1 SW 3 hex key
- 1 SW 12 key
- 1 case

Packing: 1 piece

Suitable for	Cat. No.
Rebated doors	001.67.711
Flush doors	001.67.710

Accessories for mortice jigs

→ Wood cutter



Wood cutter for screw fixing, makes quick milling cutter replacement possible, wood cutter with special spindle geometry for up to 50 % faster cutting speed and longer tool cutting edge service life

Packing: 1 piece

Diameter mm	Model	Cat. No.
16.2	CWB16	001.67.842
17.5	CWB18	001.67.843
19.0	CWB19	001.67.844
20.0	CWB20	001.67.845
20.6	CWB21	001.67.846
22.2	CWB22	001.67.847
23.0	CWB23	001.67.848
23.8	CWB24	001.67.849
25.4	CWB25	001.67.850
27.0	CWB27	001.67.851
28.6	CWB29	001.67.852
31.8	CWB32	001.67.853

→ Shaft



Standard shaft with length 220 mm, as a replacement shaft for mortice jig, long shaft with length of 298 mm, for routing depth up to 180 mm
Material: steel

Packing: 1 piece

	Length mm	Cat. No.
Standard shaft, for routing depth up to 100 mm	220	001.67.742
Long shaft, for routing depth up to 180 mm	298	001.67.743

→ Grub screws and hex key



Replacement grub screws and hex key for depth gauge

Supplied with:

6 grub screws
1 SW 3 hex key

Packing: 1 set

Material	Cat. No.
Steel	001.67.709

→ Depth gauge



For restricting the drilling depth, for standard and long shafts

Packing: 1 piece

Material	Cat. No.
Steel	001.67.747

Accessories for mortice jigs



The guide frame and depth gauge of the mortice jig can be upgraded with separately available long drill bit and long drill bit adapter for conversion into a drilling jig for drilling **cable channels in door leaf for power and data cables**.

After routing the mortice, slots up to 1,250 mm can be drilled by attaching the long drill bit adapter on the depth gauge. While the automatic guidance prevents the drill bit from “running untrue” in the door leaf.

→ Long drill bit, Ø 10 mm



For drilling through the complete door width, e.g. for electrical and data cables

Order reference:

Please order drilling adapter for guiding the long drill bit separately.

Packing: 1 piece

Length mm	Cat. No.
950	001.67.760
1250	001.67.761

→ Long drill bit adapter



For fitting onto the depth gauge of the mortice jig, the adapter guides the long drill bit and therefore prevents the drill bit from “running untrue”.























Packing: 1 piece

	Cat. No.
Long drill bit adapter	001.67.749

Universal drilling jig – Häfele Red Jig

- > Drilling jig for furniture connectors and popular furniture fittings from Häfele
- > Exact, dimensionally accurate drilling with the new depth gauge system
- > Interchangeable drill guides allow quick change of the drilling pattern
- > Adjusted to intervals of 32
- > Suitable for series drilled holes
- > Front edge drill holes for panel thickness of 12–60 mm

Basic set							
▶ MT 5.20	Consisting of:						
	Basic jig 	+	Drill guide For hole system 5 mm 	+	Depth gauge Depth gauge 15 	+	Drill bits Twist drill bit for wood HM 5 mm 

Overview of supplementary sets for Häfele furniture connectors and popular furniture fittings				
Set	Consisting of:			
Supplement for:	Drill guide	Depth gauge	Drill bits	
Minifix 12 Cabinet connector ▶ MT 5.20 	for Minifix 12/15 	Depth gauge 32 	Multi-spur drill bit HM 12 mm 	<p>Note: If no basic components of the Häfele Red Jig drilling jig are at hand, the basic jig Cat. No. 001.25.600</p>  <p>Must also be ordered.</p>
Minifix 15 Cabinet connector ▶ MT 5.20 			Multi-spur drill bit HM 15 mm 	
Tab 18 Cabinet connector ▶ MT 5.21 	for Tab 18/Rafix 20 	Depth gauge 48 	Multi-spur drill bit HM 3-spur 18 mm 	
Rafix 20 Cabinet connector ▶ MT 5.21 			Multi-spur drill bit HM 3-spur 18 mm 	
Maxifix Cabinet connector ▶ MT 5.21 	for Maxifix 	Depth gauge 48 	Multi-spur drill bit HM 35 mm 	
Concealed hinges 35 mm ▶ MT 5.22 	for concealed hinges 35 mm 		Multi-spur drill bit HM 35 mm 	

Häfele Red Jig universal drilling jig

→ Häfele Red Jig Drilling jig basic set



With lasered measuring scale for aligning the insert plates

Supplied with:

- 1 basic jig 001.25.600
- 1 drill guide for hole system 5 mm 001.25.620
- 1 depth gauge 15 for drill bit \varnothing 3, 5, 8, 10 mm 001.25.770
with depth gauge, stop ring, spiral spring
- with twist drill bit for wood HM \varnothing 5 mm 001.06.683
- 1 marking pin 3/5 mm 001.25.766

Packing: 1 set

	Cat. No.
Häfele Red Jig drilling jig basic set	001.25.890

Order reference: Please order additional accessories separately.

→ Supplement Häfele Red Jig for Minifix 12 cabinet connector



Supplied with:

- 1 Minifix 12/15 drill guide 001.25.660
for tightening distance 24 and 34 mm
- 1 depth gauge 32 001.25.771
with depth gauge, stop ring, spiral spring
- with multi-spur drill bit HM \varnothing 12 mm, R 001.06.661

Packing: 1 set

	Cat. No.
Supplement Häfele Red Jig for Minifix 12	001.25.892

→ Supplement Häfele Red Jig for Minifix 15 cabinet connector



Supplied with:

- 1 Minifix 12/15 drill guide 001.25.660
for tightening distance 24 and 34 mm
- 1 depth gauge 32 001.25.771
with depth gauge, stop ring, spiral spring
- with multi-spur drill bit HM \varnothing 15 mm, R 001.06.662

Packing: 1 set

	Cat. No.
Supplement to Red Jig for Minifix 15	001.25.891

Häfele Red Jig Universal drilling jig

→ Supplement Häfele Red Jig for Rafix 20 cabinet connector



Note: The Rafix 20 drill guide is suitable for following connectors with identical drilling patterns: Rafix Tab, Slimfix, Onefix, Pushfix, Rafix HC. The Rafix 20 drill guide can be adjusted to other Tab connectors, e.g. Tab 18, Rafix 20 S, Tab 20 HC, using the scale on the basic jig.

Supplied with:

1 Rafix 20, Tab 18, One Fix drill guide	001.25.625
1 depth gauge 32	001.25.771
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit, HM, 3-spur, Ø 20 mm, R,	001.24.417
for 19 mm wood thickness, with countersinker	

Order reference:

If no basic components of the Red Jig drilling jig are at hand, the **basic jig** Cat. No.: **001.25.600** must also be ordered.

Packing: 1 set

	Cat. No.
Supplement Häfele Red Jig for Rafix 20	001.25.821

→ Supplement Häfele Red Jig for Tab 18 cabinet connector



Supplied with:

1 Rafix 20, Tab 18, One Fix drill guide	001.25.625
1 depth gauge 32	001.25.771
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit HM, 3-spur, Ø18 mm, R	001.24.454

Packing: 1 set

	Cat. No.
Supplement Häfele Red Jig for Tab 18	001.25.893

→ Supplement Häfele Red Jig for Maxifix cabinet connector



Note: The Maxifix drill guide can be adjusted to other connectors, e.g. Häfele lxconnect K 36/30, using the scale on the basic jig. Please check hole diameter before use.

Supplied with:

1 Maxifix drill guide	001.25.643
Tightening distance adjustable from 55 to 35 mm	
1 depth gauge 48	001.25.772
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit HM Ø35 mm, R	001.06.669
1 drilling sleeve 10mm	001.25.761

Packing: 1 set

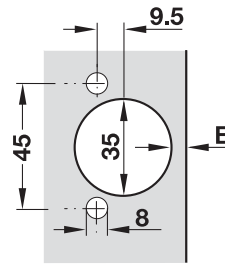
	Cat. No.
Supplementary Häfele Red Jig for Maxifix	001.25.894

Häfele Red Jig Universal drilling jig

→ Supplement Häfele Red Jig for concealed hinges



For concealed hinges 35 mm, drilling dimension 45/9.5



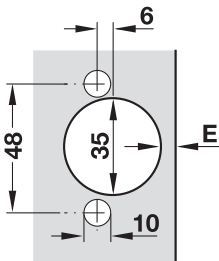
Supplied with:

- 1 drill guide for concealed hinges 35 mm, 45/9.5 001.25.732
- 1 depth gauge 48 with depth gauge, stop ring, spiral spring 001.25.772
- with multi-spur drill bit HM Ø 35 mm, R 001.06.669

Packing: 1 set

	Cat. No.
Ø 35 mm, drilling dimension 45/9.5	001.25.832

For concealed hinges 35 mm, drilling dimension 48/6



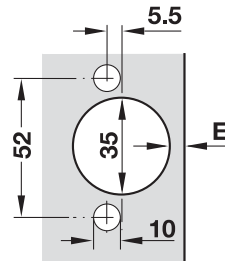
Supplied with:

- 1 drill guide for concealed hinges 35 mm, 48/6 001.25.731
- 1 depth gauge 48 with depth gauge, stop ring, spiral spring 001.25.772
- with multi-spur drill bit HM Ø 35 mm, R 001.06.669

Packing: 1 set

	Cat. No.
Ø 35 mm, drilling dimension 48/6	001.25.831

For concealed hinges 35 mm, drilling dimension 52/5.5



Supplied with:

- 1 drill guide for concealed hinges 35 mm, 48/6 001.25.730
- 1 depth gauge 48 with depth gauge, stop ring, spiral spring 001.25.772
- with multi-spur drill bit HM Ø 35 mm, R 001.06.669

Packing: 1 set

	Cat. No.
Ø 35 mm, drilling dimension 52/5.5	001.25.830

Häfele Red Jig Universal drilling jig

→ Häfele Red Jig Basic jig



As body, as supplement in combination with locating ruler with lasered measuring scale for aligning the insert plates,
Material: aluminium

Finish/colour: anodized, red

Supplied with:

- 1 basic jig without drill guide for equipping with drill guides, with stop plates
- 3 front edge drilling sleeves \varnothing 8 mm, continuously adjustable for different material thicknesses
- 1 marking pin 3/5 mm

Order reference:

Please order accessories separately.

The suitable systainer® can be ordered separately.

Packing: 1 piece

	Cat. No.
Basic jig	001.25.600

→ Häfele Red Jig Drill guides for connectors and series drilled holes



Packing: 1 piece

	Cat. No.
For Minifix 12/15	001.25.660
For Maxifix, tightening distances 55 and 35 mm adjustable	001.25.643
For Rafix 20, Tab 18, One Fix	001.25.625
For hole system at intervals of 37/69 mm	001.25.620
For concealed hinges \varnothing 35 mm, 52/5.5	001.25.730
For concealed hinges \varnothing 35 mm, 48/6	001.25.731
For concealed hinges \varnothing 35 mm, 45/9.5	001.25.732

→ Häfele Red Jig Depth gauges



Supplied with:

- 1 depth gauge
- 1 stop ring
- 1 spiral spring

Packing: 1 piece

	Cat. No.
Depth gauge 15 mm, for drill bit \varnothing 5–10 mm	001.25.770
Depth gauge 32 mm, for drill bit \varnothing 12–25 mm	001.25.771
Depth gauge 48 mm, for drill bit \varnothing 26–40 mm	001.25.772

Häfele Red Jig Universal drilling jig

→ Stop plate



Packing: 1 or 150 pieces

	Cat. No.
Stop plate with 2 special screws	001.25.063

→ Marking gauge



Packing: 1 piece

	Cat. No.
Marking gauge	001.27.060

→ Stop ring



Retaining screw with hexagon socket

Packing: 1 piece

	Cat. No.
Stop ring for twist drill bit HS Ø 8 mm	001.42.683
Stop ring for twist drill bit HS Ø 10 mm	001.42.693

→ Drilling sleeve



Packing: 1 piece

	Cat. No.
Drilling sleeve 5 mm	001.25.763
Drilling sleeve 8 mm	001.25.760
Drilling sleeve 10 mm	001.25.761
Drilling sleeve 11 mm	001.25.762

→ Marking pin



Packing: 1 piece

	Cat. No.
Marking pin Ø 3/5 mm	001.25.766

Häfele Red Jig Universal drilling jig

→ systainer® Häfele Red Jig Tool box



For securely packed and clearly organised storage of the Häfele Red Jig basic set and many individual components, with rubber foam inlay

Supplied with:

- 1 systainer® tool box 008.06.552
- 1 rubber foam inlay 008.06.519

Packing: 1 set

	Cat. No.
systainer® Häfele Red Jig	001.25.895
systainer® T-Loc tool box	▶ MT 4.3

Universal bit holder with magnet and quick release chuck



With permanent magnet and quick release chuck

Chuck: 1/4"

Drive: 1/4"

Packing: 1 piece

Length mm	Cat. No.
60	006.37.250

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Drill bit for Häfele Red Jig

→ Twist drill bit for wood, HM, total length 130 mm, shaft Ø 8 mm (depth gauge 15)



With hexagonal shank ¼"

Packing: 1 piece

Diameter mm	Cat. No.
3	001.06.682
5	001.06.683
8	001.06.686
10	001.06.687

→ Multi-spur drill bit, HM/HW, 3-spur, total length 130 mm, shaft Ø 10 mm (depth gauge 32 and 48)



With hexagonal shank ¼"

Packing: 1 piece

	Diameter mm	Version	Cat. No.
Multispur drill bit HM	18.0	–	001.24.454
Multi-spur drill bit HW	20.0	With countersinker for wood thickness 19 mm	001.24.417

→ Multi-spur drill bit, HM, total length 130 mm, shaft Ø 10 mm (depth gauge 32 and 48)



With hexagonal shank ¼"

Packing: 1 piece

Diameter mm	Cat. No.
12	001.06.661
15	001.06.662
35	001.06.669

→ Twist drill bit for wood HW, total length 110 mm

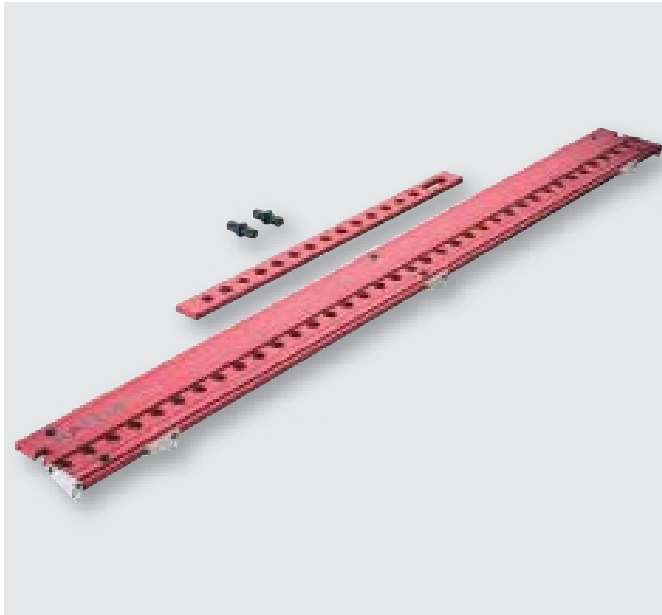


With hexagonal shank ¼"

Packing: 1 piece

Diameter mm	Cat. No.
8	001.20.508
10	001.20.510

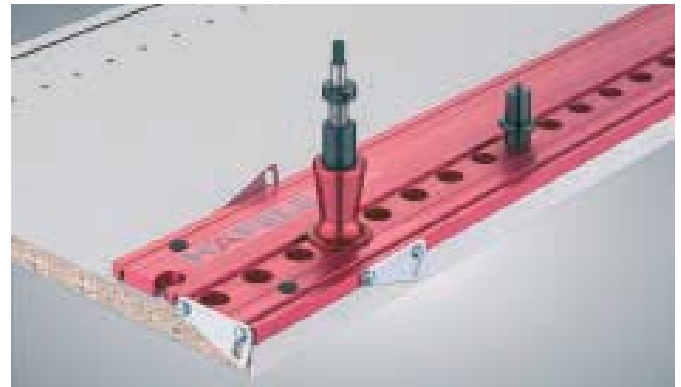
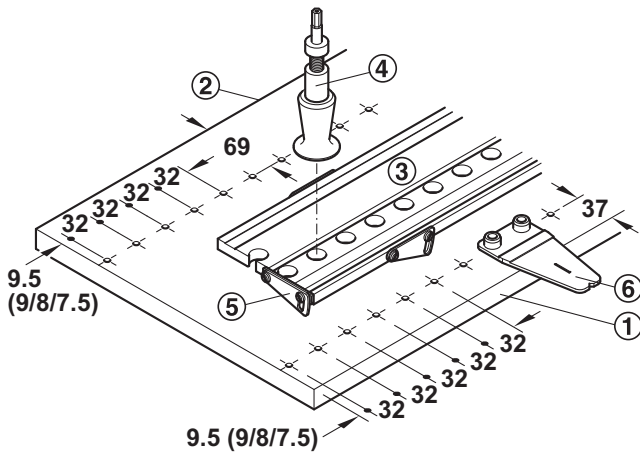
Häfele Red Jig Variantool drilling jig for series drilled holes



For efficient drilling of series drilled holes at intervals of 32 mm, series drilled holes with \varnothing 3 or 5 mm (optional) (\varnothing 8 or 10 mm for dowel holes), drilling distance 37 mm from the cabinet front edge and 69 mm from the cabinet rear edge without re-positioning the drilling jig due to adjustable stop plates, surface drilling jig for additional drill holes between series drilled holes, corresponds to 37 drill holes at intervals of 32 mm

Material: aluminium red anodized
 Rail: aluminium, with non-slip coating

The drilling jig is moved and fixed with the locating pin for longer rows of series drilled holes.



- ① Front edge of cabinet, ② Rear edge of cabinet,
- ③ Aluminium rail, ④ Depth gauge, ⑤ Stop plate,
- ⑥ Marking gauge

Note:
 Suitable electric drilling unit Cat. No. 001.94.070,
 see Furniture Fitting catalogue, product group 14

Order reference:
 Please order depth gauge and marking gauge separately.

Supplied with:
 1 profiled aluminium rail
 1 surface drilling jig (L x W x H) 550 x 35 x 10 mm
 8 stop plates for edge distance 37 and 69 mm
 2 marking pins for \varnothing 3/5 mm drill holes

Packing: 1 set

	Dim. (L x W x H)	Cat. No.
Aluminium rail	563 x 120 x 10	001.27.017
Aluminium rail	1172 x 120 x 10	001.27.016

Häfele Red Jig Variantool Drilling jig for series drilled holes

→ Depth gauge with multi-spur drill bit

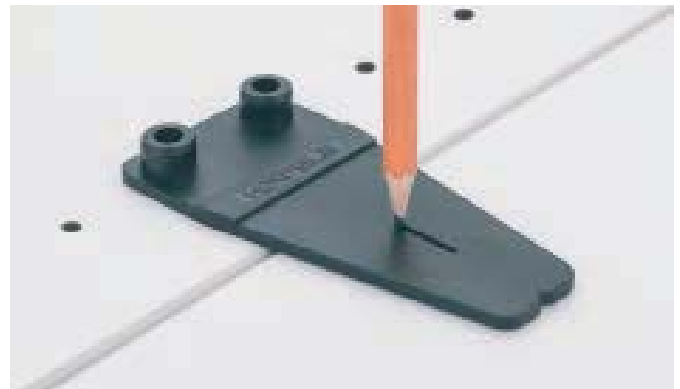


Depth gauge with drill bit suitable for Häfele Red Jig Variantool drilling jig for series drilled holes, drill bits are pre-set to drilling depth 13 mm.

Packing: 1 piece

Drill bit diameter mm	Cat. No.
5	001.25.851
8	001.25.853
10	001.25.855

→ Marking gauge for transferring the centre dimension onto the door



Material: plastic, black

If drilling positions between the 32 mm series drilled holes are required, e.g. for concealed hinges, the position, measured from the 5 mm drill holes, can be transferred onto the door using the marking gauge.

Packing: 1 piece

	Cat. No.
Marking gauge	001.27.060



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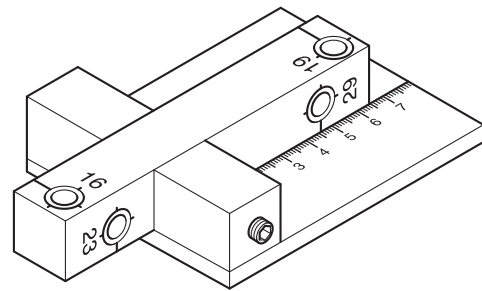
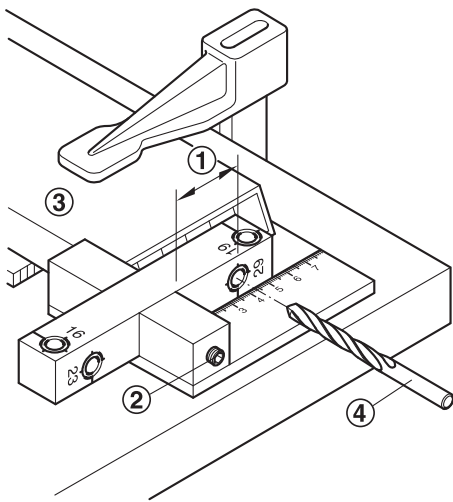
Precision drilling jig



For drilling bolt holes for connectors in the Minifix system with polyamide sleeve

For wood thickness: 16-29 mm

Material: zinc alloy



Application:

- ① Measure inset distance from edge of wooden panel and transfer to drilling jig.
- ② Fix edge distance at drill guide with **hex socket head screw**.
- ③ Secure wooden panel and drilling jig with a screw-clamp.
- ④ With a 7 mm twist drill bit, drill hole approx. 24/44 mm deep.

Supplied with:

1 angle fence with measuring scale from 0 to 80 mm, for adjusting the edge distance

Packing: 1 set

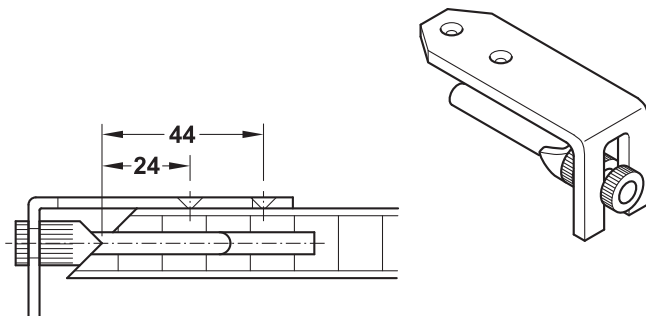
Cat. No.
Precision drilling jig
001.27.202

Precision marking gauge



For marking drill hole for housing \varnothing 15 mm

Material: steel (hardened)



Application:

- ① Drill hole for mitre-joint connector using precision drilling jig
- ② Position marking gauge, insert guide pin into bolt hole and turn until the pointed stops lie against the cut surface
- ③ Mount scribing angle on guide pin and position on surface of workpiece
- ④ Drill hole \varnothing 15 mm for housing with required inset distance and housing depth

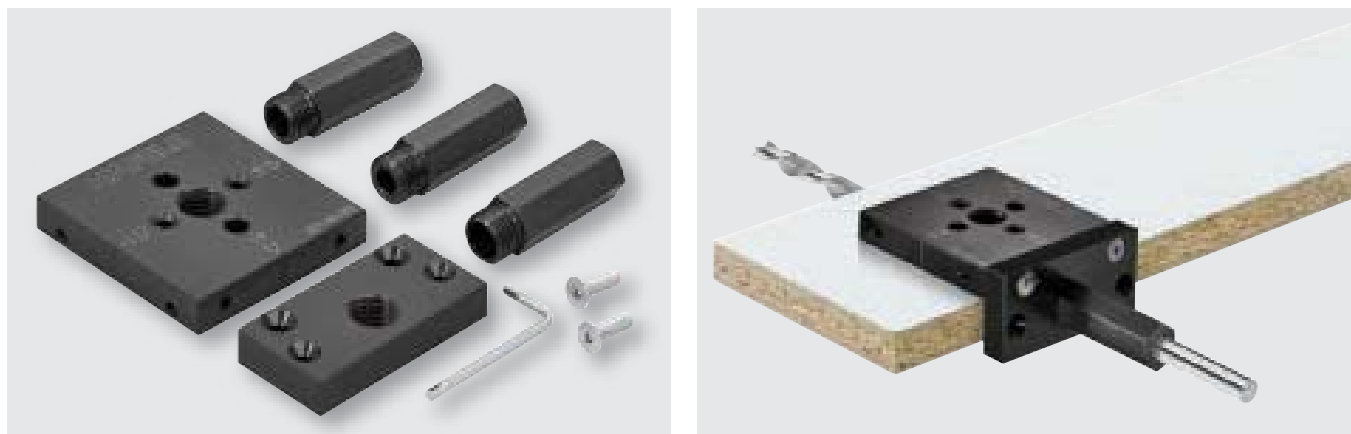
Supplied with:

1 guide pin with two pointed stops
1 scribing angle with fixing hole for marking the drill hole for housing
1 set of operating instructions

Packing: 1 set

Cat. No.
Precision marking gauge
001.27.211

Häfele Drilling jig



Specially developed to drill precision holes in furniture side panels for cables and switches of Loox lights. Other drill holes for soft closing mechanism for doors, dowels, shelf supports and cruciform mounting plates are also possible.

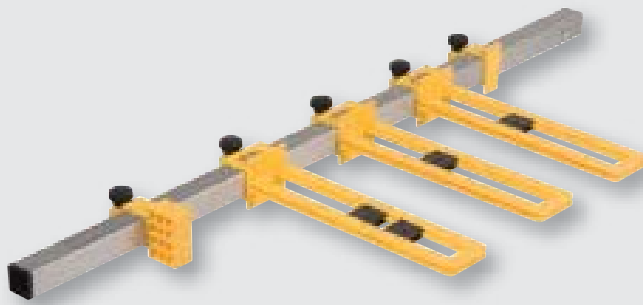
The compact design allows processing of assembled furniture.

- > 5 mm sleeve drill holes for mounting plates
- > For panel thickness of 16, 19 and 25 mm
- > Drilling sleeves 8, 10, 12 mm
- > Length: 75 mm

Packing: 1 piece

Drilling jig	Cat. No. 001.25.080
--------------	-------------------------------

Professional handle drilling jig



Drilling jig allows quick and accurate drilling of drill holes for furniture knobs and door handles
 Adjustment facility: hole spacing from 64–1,400 mm, side distance from 15–200 mm, by millimetre scale or adjusting pins, the special design allows the adjustment of the hole spacings, without measuring,
 aluminium profile tube 25 x 25 x 750 mm with scale

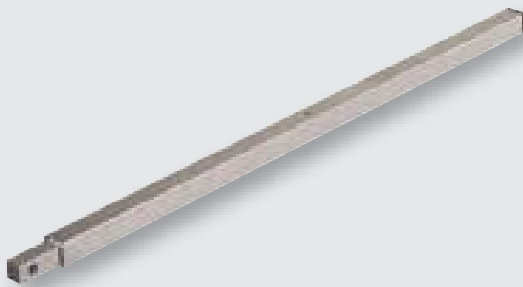
Supplied with:

- 1 aluminium profile tube, 750 mm, with scale
- 3 scale components
- 1 end stop
- 4 hardened inserts Ø 4.5 mm
- 1 HSS twist drill bit 4.5 mm
- 1 hex key
- 1 backstop

Packing: 1 piece

	Cat. No.
Professional handle drilling jig	001.35.010

→ Extension

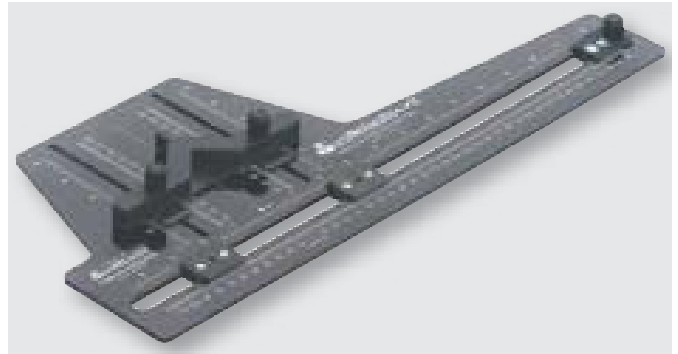


Material: aluminium,
 without scale
 Length: 700 mm

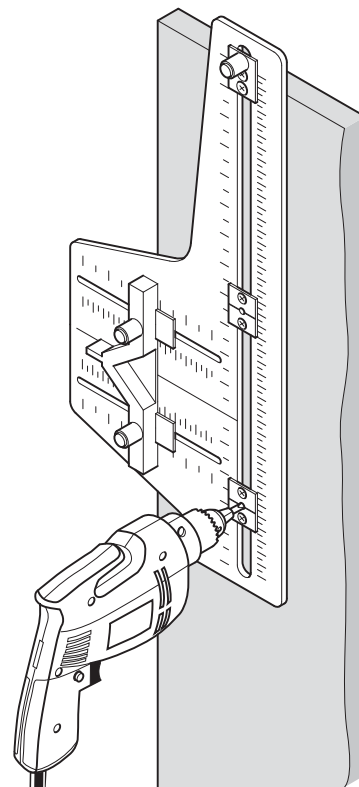
Packing: 1 piece

	Cat. No.
Extension	001.35.011

Handle drilling jig



For board material width up to max. 800 mm,
 for efficient and exact drilling of handles and knobs,
 with adjustable side and depth gauges,
 depth gauge with 45° angle,
 can also be used on both sides (mirror image)
 Hole spacing: adjustment range horizontally
 up to 420 mm, vertically up to 125 mm
 Material: polycarbonate black

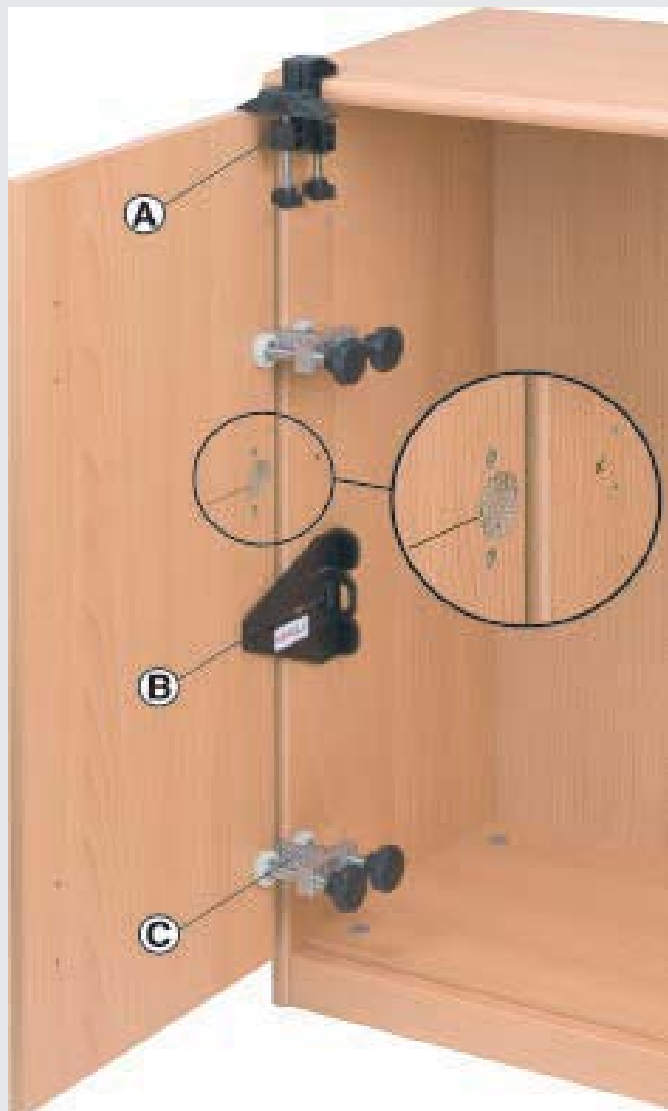


Drilling on doors and flaps

Packing: 1 piece

	Cat. No.
Handle drilling jig	001.35.001

Door mounting set



- A** Continuous height stop
- B** Marking template for transferring the series drilled holes to the concealed hinge
- C** Double screw-clamp for the quick fixing of the door on the cabinet



Complete set, to allow furniture doors to be drilled and mounted quickly, precisely and in a professional manner, also suitable for large furniture doors

- > different drilling patterns can be set, drilling pattern 52/5.5 set in the delivery condition
- > comprehensive operating instructions in which the individual operating steps are described

Supplied with:

- 1 drilling jig with drilling template, including drill bits 2 x 10 mm and 1 x 35 mm
- 1 height stop, continuous
- 2 twin screw-clamps
- 1 marking gauge
- 1 set of operating instructions

Packing: 1 piece

	Cat. No.
Door mounting set	001.33.000

→ Replacement drill bit/milling cutter

Packing: 1 piece

	Cat. No.
HM drill bit 35 mm	001.33.009
HSS drill bit 10 mm	001.33.007
HSS drill bit 8 mm	001.33.006

Drilling jigs for side panel

For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws

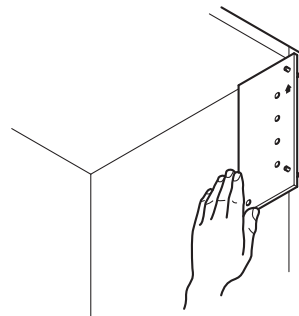
Material: acrylic glass

Order reference: Please order depth gauge \varnothing 5 mm (Cat. No. **001.25.792**) separately.

Häfele Free flap 1.7/Free flap 3.15 Drilling jig



For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws



Material: acrylic glass with hardened steel inserts

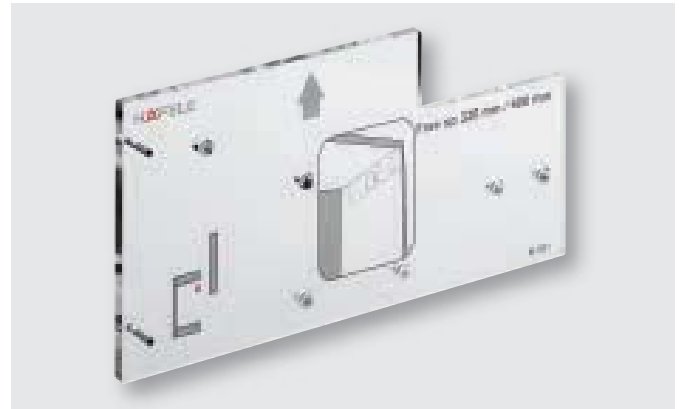
Note:

Drilling pattern, see installation instructions of the fitting. The drilling jig is positioned directly in the top left or top right cabinet corner.

Packing: 1 piece

Suitable for	Cat. No.
Häfele Free flap 1.7 and Free flap 3.15 flap fitting	372.91.023

Häfele Free up Drilling jig

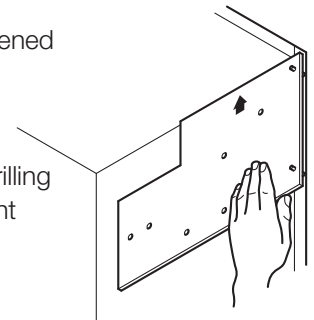


For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws

Material: acrylic glass with hardened steel inserts

Note:

Drilling pattern, see installation instructions of the fitting. The drilling jig is positioned in the left or right top cabinet angle.



Packing: 1 piece

Suitable for	Cat. No.
Häfele Free up flap fitting	372.33.050

Häfele Free fold Drilling jig

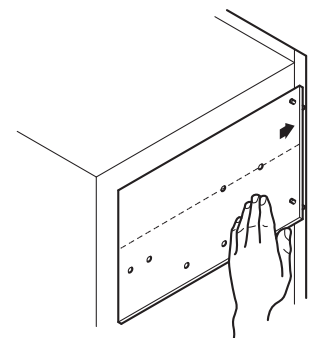


For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws

Material: acrylic glass with hardened steel inserts

Note:

Drilling pattern see installation instructions of the fitting. The drilling jig is positioned with the reference line according to the variable dim. Y that is to be calculated.



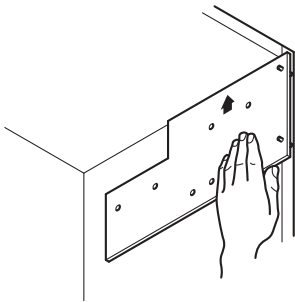
Packing: 1 piece

Suitable for	Cat. No.
Häfele Free fold flap fitting	372.37.050

Häfele Free swing Drilling jig



For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws



Material: acrylic glass with hardened steel inserts

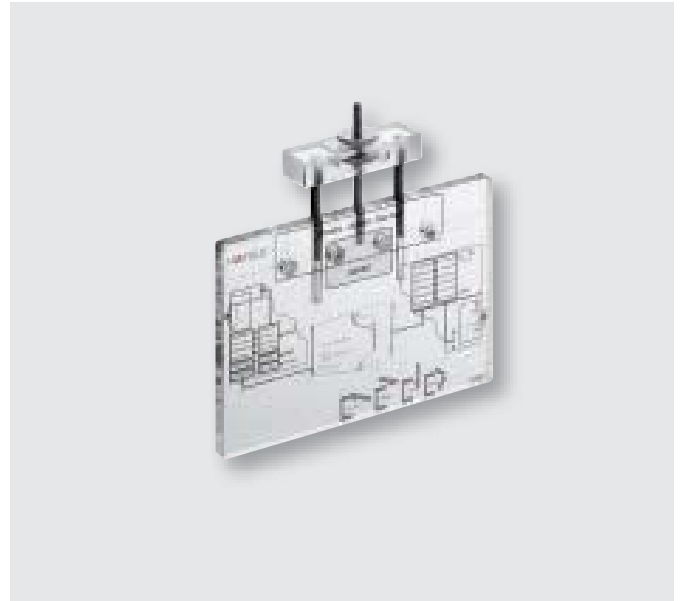
Note:

Drilling pattern, see installation instructions of the fitting. The drilling jig is positioned in the left or right top cabinet corner.

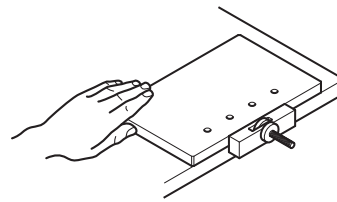
Packing: 1 piece

Suitable for	Cat. No.
Häfele Free swing Flap fitting	372.34.050

Drilling jig for front fixing brackets



For pilot drilling the front panel for mounting screw-on brackets



Material: acrylic glass

Note:

Drilling pattern, see installation instructions of the fitting. In order to position the drilling jig correctly, mark the first drill hole according to the required door overlay. Door overlay can be adjusted.

Order reference:

Please order depth gauge \varnothing 3 mm (Cat. No. 001.25.791) or \varnothing 5 mm (Cat. No. 001.25.792) separately.

Packing: 1 piece

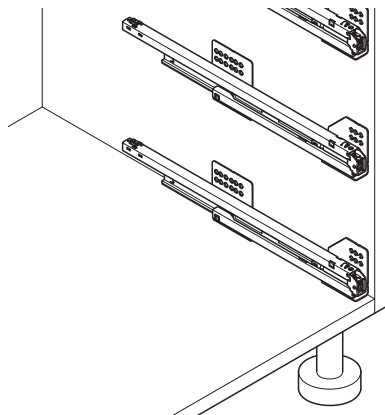
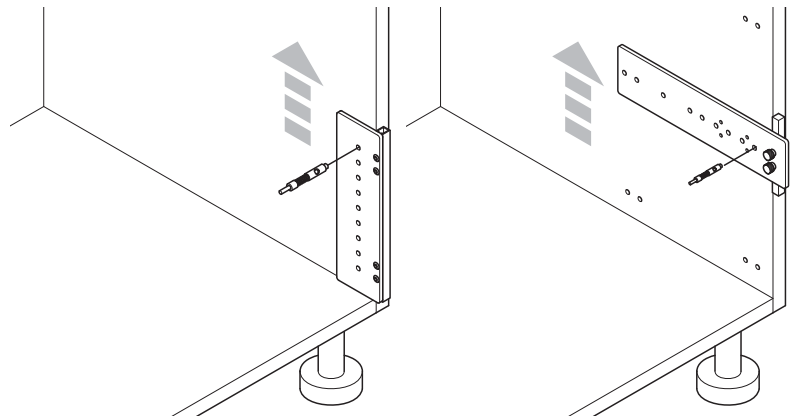
Suitable for	Cat. No.
Häfele Free flap 1.7, Free flap 3.15, Free fold, Free up, Free swing flap fittings	372.64.893

Häfele Moovit MX Drilling jig



For precise pilot drilling series drilled holes for Moovit MX runners
 Material: Drilling jig: plastic, Carrier: aluminium

Application:



Supplied with:

- 2 drilling jigs
- 1 carrier
- 1 set of installation instructions

Order reference:

Please order depth gauge separately.

Packing: 1 piece

Drilling gauge	Cat. No.
	553.69.039

Depth gauge



For precise pilot drilling series drilled holes Moovit MX runners using the Moovit MX drilling template, in combination with drilling jigs for Free flap fittings
 Material: steel

Packing: 1 piece

Drill bit diameter mm	Cat. No.
3	001.25.791
5	001.25.792

Insertion tool



For front fixing bracket, for press fitting
 Material: aluminium
 Version: with wooden handle

Packing: 1 piece

	Cat. No.
Insertion tool	553.69.020

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.

Blum Cristallo Mounting jig for glass door hinge



Easy determination of the gluing position of the Blum Cristallo cup plate, fixing of the Blum Cristallo cup plate in the right position

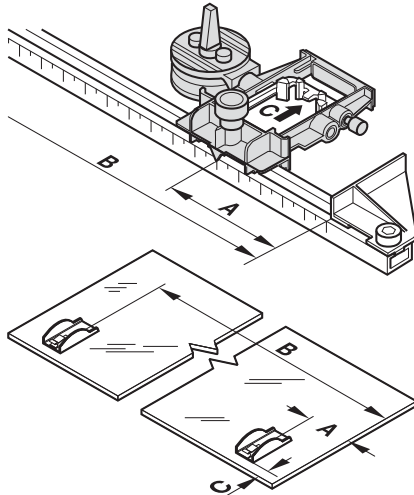
Adjustment facility: with scale

Supplied with:

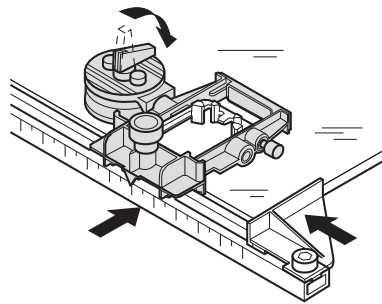
- 1 beam 1,000 mm with scale and stop
- 2 transfer templates with suction clamps

Application:

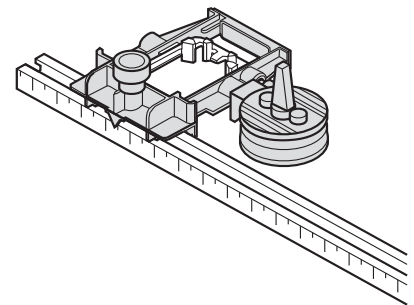
1. Setting height (A/B) and depth position (C) by means of scale



2. Fix jig with suction clamps



3. Insert cup plate and glue in according to instructions (UV-light required)



Packing: 1 piece

Model	Cat. No.
65.4000.01	001.33.156

Blum Ecodrill Drilling jig



For precise drilling of the Blum Clip Top hinge drilling pattern, drive via hand drill, variable drilling dimension of 2–8 mm, drilling from marked line possible



Position drilling jig and tighten



Drill with hand drill

Supplied with:

- 1 drilling jig
- 1 drill bit Ø 35 mm
- 2 drill bit Ø 8 mm
- 2 T-star drive bits
- 2 spacer rings

Application:

Simple and low-cost way to determine drilling dimension for Clip Top concealed hinges using a commercial power drill (minimum 700 Watts). This inexpensive option supports particularly fabricators that require few numbers of concealed hinges.

Packing: 1 piece

Model	Cat. No.
M31.1000	001.33.210

→ Ecodrill replacement drill bit

Packing: 1 piece

Model	Diameter mm	Cat. No.
M31.ZB08.02	8.0	001.33.295
M31.ZB35.02	35.0	001.33.296

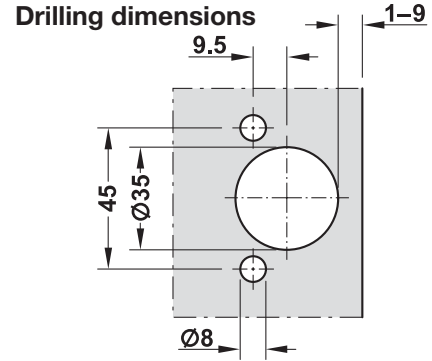
Hinge and mounting plate drilling jig



For drilling lateral fixing holes for Blum concealed hinges from the Clip Top as well as the Clip Top Blumotion range and for screw-fixed hinges and folding door hinges, for pilot drilling the mounting holes for cruciform mounting plates, Blumotion cruciform adapter housings and straight mounting plates

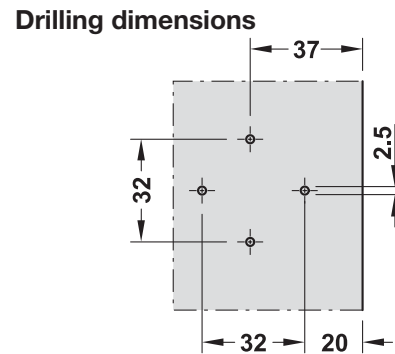
Application:

- Drilling of the lateral mounting holes
- > Determine position of concealed hinge
- > Drill Ø 35 mm drill hole using drill with stand
- > Position drilling jig
- > Push wedge to the right
- > Tighten knurled nut
- > Drill Ø 8 mm or Ø 2.5 mm holes



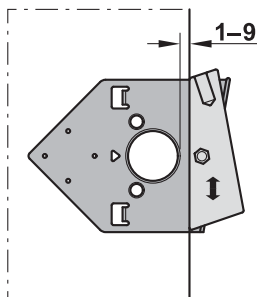
Application:

- Drilling of mounting holes for cruciform mounting plates
- > Determine position of mounting plates
- > Position drilling jig
- > Drill Ø 2.5 mm holes for mounting plate

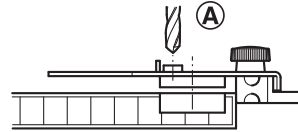


Example

Adjusting distance to cup of 5 mm

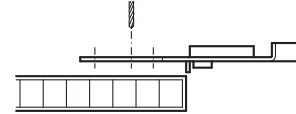


Position drilling jig



Ⓐ = distance adjustment

Position drilling jig



Supplied with:

- 1 drilling jig
- 1 reducing sleeve from Ø 8 mm to Ø 2.5 mm
- 1 drilling depth stop 8 mm

Packing: 1 piece

Model	Cat. No.
65.059A	001.33.230

Cruciform mounting plate and cruciform adapter housing drilling jig



For transferring fixing hole positions for Blum cruciform mounting plates 37/32 (Euro screws or Inserta) and Blumotion cruciform adapter housing, for transferring the dimensions from the door to the cabinet, the peg-out facility allows accurate drilling of the dimension 32 mm.

Supplied with:

- 1 drilling jig
- 1 drilling depth stop for drill bit Ø 5 mm

Packing: 1 piece

Model	Cat. No.
65.5070	001.33.220

Universal marking jig



For marking the drilling positions Blum mounting plates and cruciform mounting plates, adapter housings for Tip-On and Blumotion, Aventos HF/HS/HL/HK-S lift mechanism unit, Aventos HK-XS cabinet fitting, Legrabox and Tandembox drawer side runner systems, Movento and Tandem drawer runners

Packing: 1 piece

Model	Cat. No.
65.5340.01	001.33.241

Blum Blumotion/Tip-On Drilling jig



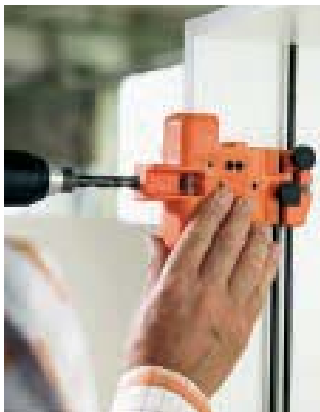
For drilling the drill holes for soft closing mechanism for doors and for Tip-On push catch into cabinet top panel, cabinet base panel and cabinet side panels
Material: plastic/steel

Supplied with:
1 drilling jig
1 drilling depth stop Ø 10 mm

Packing: 1 piece

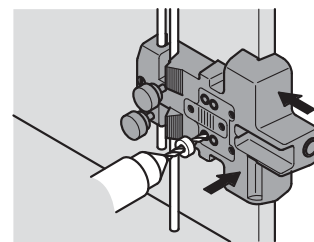
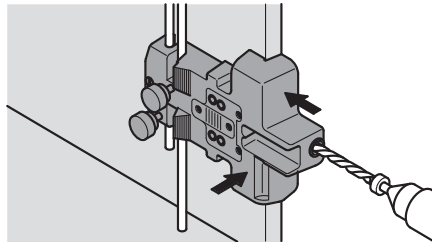
Model	Cat. No.
65.5010	356.08.959

Blum Blumotion/Tip-On and mounting plate drilling jig



For drilling the fixing positions on front edge for Blumotion soft closing mechanism for doors on the handle side and for Tip-On push catch for doors, for pilot drilling the fixing positions for straight mounting plates and Blumotion cruciform adapter housings and for Tip-On for doors

Application:



Drill hole for Blumotion soft closing mechanism for doors or Tip-On push catch with diameter of 10 mm

Drill hole for cross or straight Blumotion/Tip-On mounting plate with diameter of 2.5 mm or diameter of 5 mm

Supplied with:
1 drilling jig
1 set of mounting rails
3 drilling depth stops (Ø 10, 2.5 and 5 mm)

Packing: 1 piece

Model	Cat. No.
65.5000	356.14.590

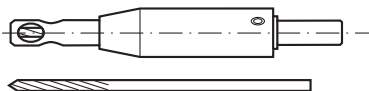
Hole centre drilling bit



For pilot drilling pilot holes for Ø 3.5 mm chipboard screws

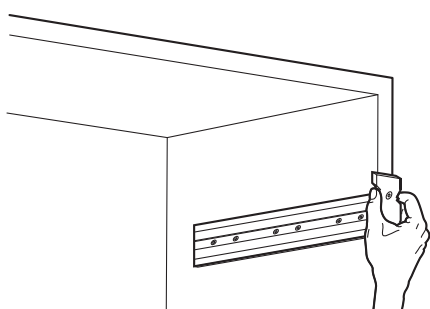
Material: HSS, hardened
Drill bit length: 70 mm
Drill bit diameter: 2.7 mm
Drilling depth: up to 8 mm

Packing: 1 piece



	Cat. No.
Hole centre drilling bit	001.42.032
Replacement drill bit for hole centre drilling bit	001.42.039

Drilling jig for cabinet processing



For Blum Tandem, Movento, Tandembox and Legrabox, for pilot drilling of fixing positions for cabinet rails, lift mechanism, mounting plates and adapter housings, drilling jig can be used for mounted cabinets and for cabinet mounting, depth position adjustment with scale

Material: plastic/steel/aluminium
 Finish/colour: bright, orange

Supplied with:

- 1 universal drilling jig
- 1 drilling depth stop Ø 5 mm
- 1 reducing sleeve Ø 2.5 mm
- 1 hex key

Packing: 1 piece

Model	Cat. No.
65.1051.02	423.53.035

Drilling jig for Blum Servo-Drive switch



For accurate drilling of connecting hole for Servo-Drive switch, can be used for mounted cabinets and for cabinet mounting

Material: aluminium
 Finish/colour: bright, orange

Supplied with:

- 1 drilling jig for Servo-Drive switch
- 1 drill bit Ø 35 mm for fitting
- 2 T-star drive bits

Packing: 1 piece

Model	Cat. No.
M31.2000	372.74.579

Blum Servo-Drive Drilling jig for spacer buffer



For attaching the buffer holes to the loose or fitted front panel and the cabinet (on front edge), for spacer buffer
 Ø 5 or Ø 8 mm
 Colour: orange

Packing: 1 piece

Model	Cat. No.
ZML.1090	554.99.910

Blum Servo-Drive Drilling jig for base profile



For marking or pilot drilling fixing positions for base profile
 Colour: orange/black

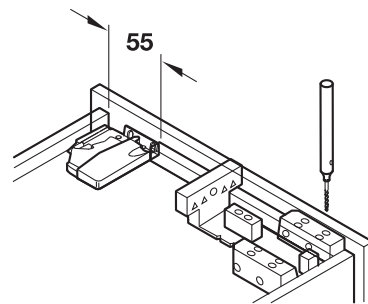
Packing: 1 piece

Model	Cat. No.
ZML.1150.02	554.99.911

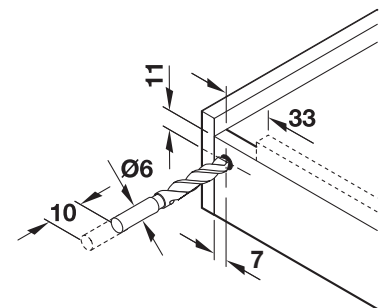
Drawer drilling jig



Application:



Fixing position of the snap-in coupling



Hook position of the drawer rail

For Blum concealed runner, for drilling the hook positions for the drawer rail, for pilot drilling the fixing position of the snap-in coupling, with hardened inserts

Material: plastic

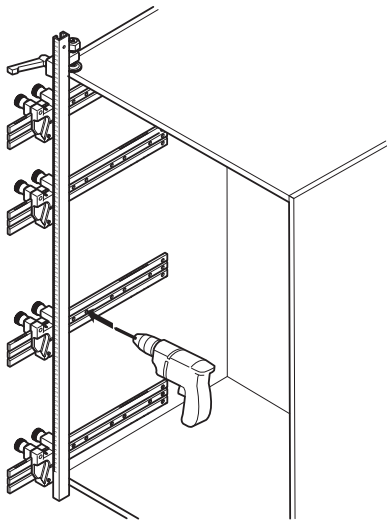
Finish/colour: orange

Supplied with: with user manual

Packing: 1 piece

Model	Cat. No.
T 65.1000.02	423.53.006

Mounting jig for cabinet processing



For Tandembox antaro, Metabox, Aventos and Tandem, for system screws and chipboard screws, suitable for overlay and inset doors, drilling jig can be used for mounted cabinets and for cabinet mounting, height and depth position adjustable using scale
 Material: aluminium and plastic
 Finish/colour: bright/orange
 Length: 1,000 mm

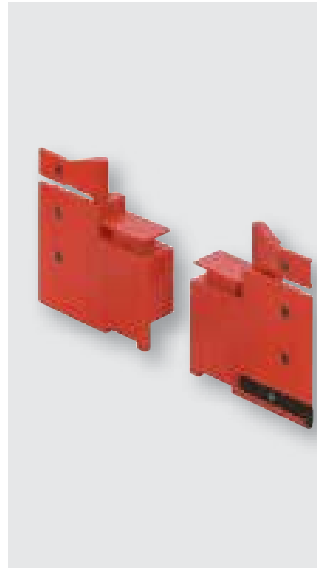
Supplied with:

- 1 beam 1,000 mm
- 4 transfer templates (pre-mounted)
- 1 drilling depth stop \varnothing 5 mm
- 1 reducing sleeve \varnothing 2.5 mm

Packing: 1 piece

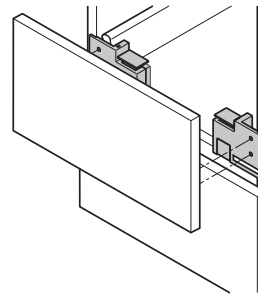
Model	Cat. No.
65.1000.01	001.34.156

Centring gauge for front panel processing

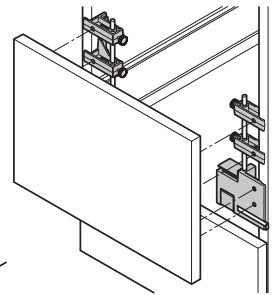


Centring gauge

Centre punch with rail



Pull out for door front fixing front processing



Drawer front processing

For Tandembox antaro, for marking the fixing positions of the front fittings
 Material: aluminium/plastic
 Finish/colour: bright/orange

Order reference:

Please order both 555.08.130 and 555.08.103 together for pull out for door front fixing with railing.

Packing: 1 pair

	Model	Cat. No.
Centring gauge for system height N	ZML.3510	555.08.100
Centring gauge for system height M and K	ZML.3580	555.08.130
Centre punch with rail	ZML.3600	555.08.103

Drilling template



For worktop connectors 65 or 150 mm long,
for longitudinal or lateral worktops,
for left and right corner connections without conversion

Material: Laminated wood

Dimensions (L x W x H): 1065 x 295 x 19 mm

Suitable for: plunge router with jig guide Ø 27 mm,
recesses with router cutter, diameter 14 mm

Advantages:

- > Neat routing pattern, without ripping
- > No set-up or adjustment times
- > With important information printed on

Supplied with:

1 routing template
3 pegs

Packing: 1 piece

Version	Cat. No.
For edge-to-edge joints with an angle of 90°	002.13.507
For edge-to-edge joints with an angle of 135°	002.13.534

→ Router cutter



HM-tipped

Shank Ø: 12 mm, diameter: 14 mm

→ Replacement peg



Area of application: for fixing the routing template

Material: steel galvanized

Dimensions: Ø 12.0 x 50mm

	Packing pieces	Cat. No.
Router cutter Ø14 mm		
Router cutter	1	002.14.120
Accessories		
Blade insert for router cutter	1	002.14.190
Countersunk head screw	3	002.14.198
TS head spanner	1	002.14.199

Packing: 1 piece

	Cat. No.
Peg	002.13.519

Curve ruler



Simple curve cutting – arch cutting –special shapes

For screw fixing to MDF or chipboard, for producing models, the material is made from a highly flexible plastic and can be bent into any arch or curve shape

Technical data:

Length mm	Cross section mm	Internal radius mm	External radius mm	For SK screws
1,200	12 x 12	min. 50	min. 70	3 x 20 mm
2,000	18 x 18	min. 100	min. 120	4 x 30 mm

Packing: 1 piece

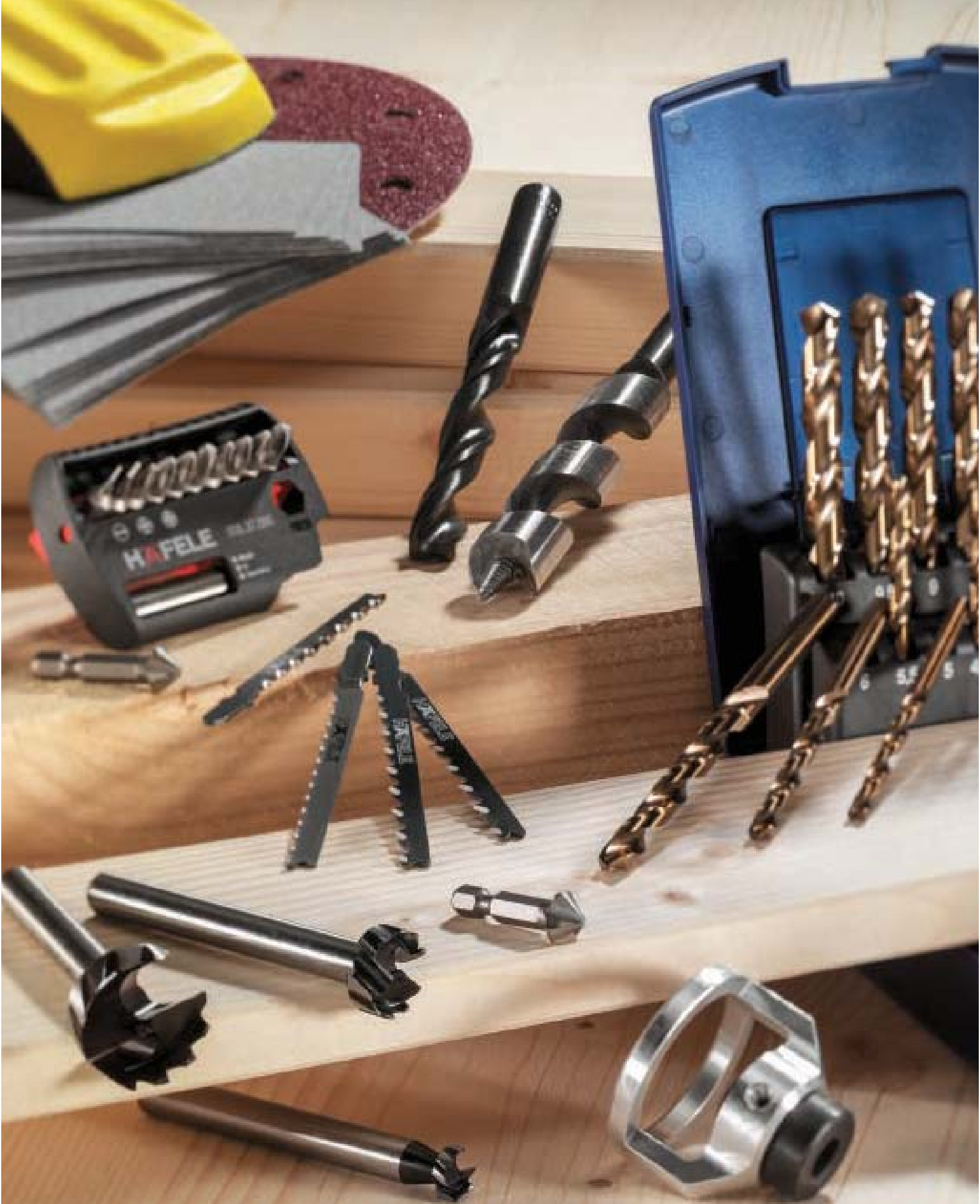
Length mm	Cat. No.
1,200	002.13.002
2,000	002.13.003



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ABRASIVES, SAW BLADES, DRILL BITS AND
SCREWDRIVER BITS

CONTENTS

ABRASIVES, SAW BLADES, DRILL BITS AND SCREWDRIVER BITS

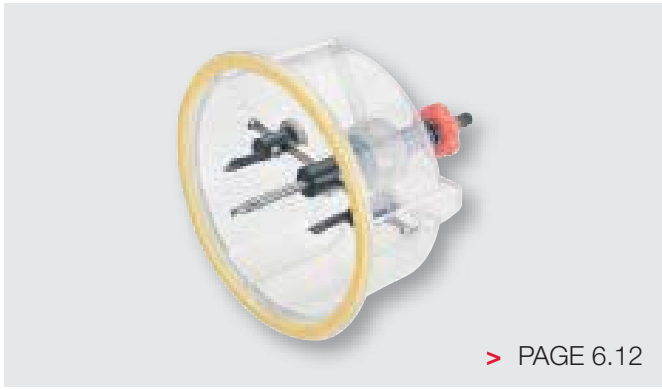
Abrasives



Saw blades



Holesaws



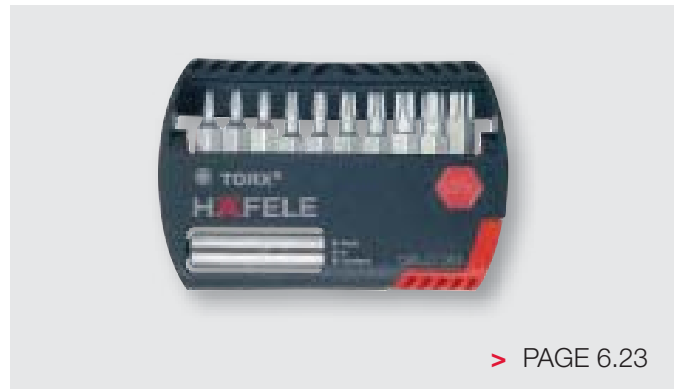
Accessories for drills



Drill bits and accessories



Bits and accessories



Mirka Abranet® Sandpaper roll



For all grinding applications in woodworking and drywall construction, very long tool life, dust-free sanding, for considerably lower health burden, universal areas of application

Packing: 1 piece

Grain size	Cat. No.	Grain size	Cat. No.
75 mm x 10 m		115 mm x 10 m	
P 80	005.51.209	P 80	005.51.309
P 120	005.51.213	P 120	005.51.313
P 180	005.51.219	P 180	005.51.319
P 240	005.51.225	P 240	005.51.325
P 320	005.51.233	P 320	005.51.333
		P 400	005.51.341

Sandpaper roll



For hardwood, metal, UV and DD lacquers and melamine resin film, up to grain size P 150: E paper with aluminium oxide grain and synthetic resin bonding, from grain size P 220: a paper with silicone grain and hide glue binding
 Length: 50 m
 Width: 115 mm

Packing: 1 piece

Grain size	Cat. No.
P 80	005.51.009
P 100	005.51.011
P 120	005.51.013
P 150	005.51.016
P 220	005.51.023
P 240	005.51.025

Mirka Proflex Sandpaper roll



Suitable for lacquer/fillers, plastic, putty, wood flexible, optimized for hand grinding, high-quality latex carrier, fibre-reinforced
 Grain type: aluminium oxide
 Binder: synthetic resin
 Carrier material: C or B latex paper
 Colour: gold
 Length: 50 m
 Width: 115 mm

Packing: 1 piece

Grain size	Cat. No.
P 80	005.51.070
P 100	005.51.071
P 120	005.51.072
P 150	005.51.073
P 220	005.51.074
P 240	005.51.075
P 320	005.51.076
P 400	005.51.077

Finishing pad



Length: 10 m
Width: 115 mm

Packing: 1 piece

Grain size	Cat. No.
P 280	005.56.029
P 400	005.56.041

Sanding sheet



For sanding block 70 x 120 mm,
non-perforated, with velcro,
E paper, heavy
Dimensions (L x W): 70 x 120 mm

Grain size	Packing piece	Cat. No.
Sanding paper for wood, red		
P 80	50	005.54.008
P 100	100	005.54.010
P 120	100	005.54.012
P 150	100	005.54.015
P 180	100	005.54.018
Paint sanding paper, grey		
P 220	100	005.54.022
P 240	100	005.54.024

Sanding sponge



Dimensions (W x D x H): 100 x 67 x 27 mm

Packing: 10 or 50 pieces

Grain size	Cat. No.
P 80	005.48.408
P 100	005.48.410
P 120	005.48.412
P 180	005.48.418
P 220	005.48.419

Soft foam sanding pad



Soft foam
Dimensions (W x D x H): 123 x 98 x 12.5 mm

Packing: 10 or 50 pieces

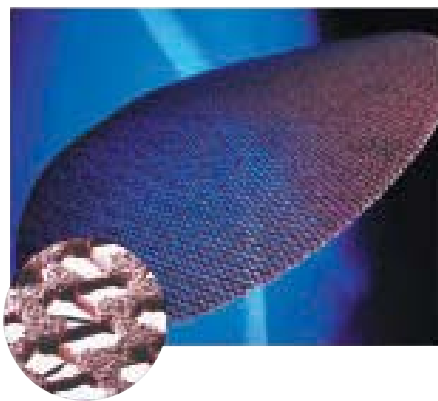
Grain size	Cat. No.
P 100	005.48.110
P 120	005.48.112
P 150	005.48.115
P 180	005.48.118
P 220	005.48.119

Mirka Abranet® Sanding disc Ø 150 mm

For all grinding applications in woodworking and drywall construction, very long tool life

Dust-free sanding,
for considerably lower health burden,
universal areas of application,
Diameter: 150 mm

Packing: 50 pieces



Grain size	Cat. No.
Abranet® sanding discs	
P 80	005.58.210
P 100	005.58.230
P 120	005.58.211
P 150	005.58.232
P 180	005.58.212
P 240	005.58.213
P 320	005.58.214
P 400	005.58.215
Abranet® Ace sanding discs	
P 500	005.58.406
P 600	005.58.407
P 800	005.58.408
P 1000	005.58.409

Mirka Abralon® Sanding disc Ø 150 mm

Reduces effort and time
with elaborate polishes,
for mineral materials,
for lacquers in conjunction with T10
polish and lambskin pad
Diameter: 150 mm

Packing: 20 pieces

Grain size	Cat. No.
K 360	005.58.251
K 1000	005.58.255
K 2000	005.58.256
K 4000	005.58.257

Sanding disc Ø 150 mm, with multiple perforations



For processing of wood materials (mainly softwood), lacquered surfaces and fibre composite material structures such as wind turbine propellers, yachts

Abrasive grain: Corundum
Underlay: C paper, with Velcro fastening
Dispersion: open
Ø 150 mm

- > Low clogging with sanding dust provided by an open coating and additional improved long life coating
- > Longer tool life
- > Improved grinding pattern due to continuous, dust extraction over the whole surface and lower sanding temperatures

- > Universally applicable for all machine types
- > Reduced problems with sanding dust improves working conditions

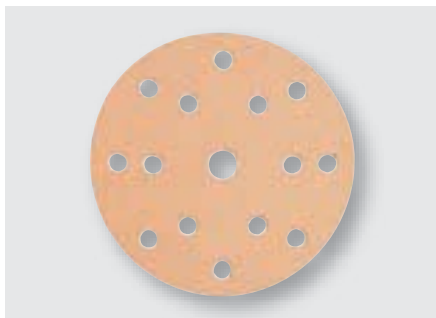
Packing: 1 piece

Grain size	Contents	Cat. No.
P 60	50 pieces	005.52.200
P 80	50 pieces	005.52.201
P 100	100 pieces	005.52.202
P 120	100 pieces	005.52.203
P 150	100 pieces	005.52.204
P 180	100 pieces	005.52.205
P 220	100 pieces	005.52.206
P 240	100 pieces	005.52.207
P 320	100 pieces	005.52.208
P 400	100 pieces	005.52.209
P 500	100 pieces	005.52.210

Mirka Gold Sanding disc Ø 150 mm

With Velcro, Ø 150 mm, 15 apertures

For wood materials and lacquers



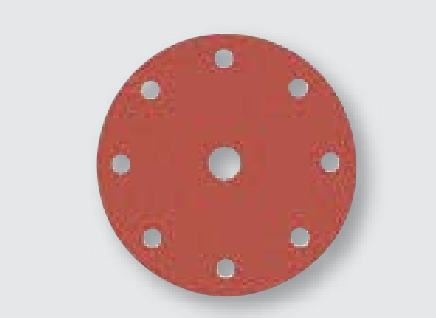
Supplied with:
1 pack of 100 pieces
Packing: 1 pack

Grain size	Cat. No.
P 80	005.52.190
P 100	005.52.191
P 120	005.52.192
P 150	005.52.193
P 180	005.52.194
P 220	005.52.195

Sanding disc Ø 150 mm

With Velcro, Ø 150 mm, 9 apertures

For wood materials



Suitable for all sanding devices

Grain size	Packing pieces	Cat. No.
P 60	50	005.52.106
P 80	50	005.52.108
P 100	100	005.52.110
P 120	100	005.52.112
P 150	100	005.52.115

For lacquers



Suitable for all sanding devices

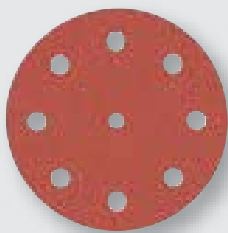
Packing: 100 pieces

Grain size	Cat. No.
P 220	005.52.122
P 240	005.52.124
P 280	005.52.128
P 320	005.52.132

Sanding disc Ø 125 mm

With Velcro, Ø 125 mm, 8 apertures

For wood materials



Suitable for all sanding devices

For lacquers



Suitable for all sanding devices

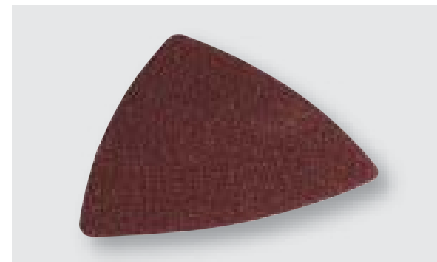
Packing: 100 pieces

Grain size	Packing pieces	Cat. No.
P 60	50	005.11.083
P 80	50	005.11.084
P 100	100	005.11.085
P 120	100	005.11.086
P 150	100	005.11.087
P 180	100	005.11.088

Grain size	Cat. No.
P 220	005.11.095
P 240	005.11.096
P 280	005.11.097
P 320	005.11.098

Sanding paper

With Velcro, for wood materials



Suitable for fine grinding equipment
Dimensions: diameter 80 mm

Packing: 50 pieces

Grain size	Cat. No.
P 60	005.20.303
P 80	005.20.304
P 100	005.20.305
P 120	005.20.306
P 150	005.20.307
P 180	005.20.308

Sanding sheet 80 x 133 mm

With 8 apertures, with Velcro

For wood materials



For lacquers



Packing: 100 pieces

Grain size	Packing pieces	Cat. No.
P 60	50	005.17.733
P 80	50	005.17.734
P 100	100	005.17.735
P 120	100	005.17.736
P 150	100	005.17.737
P 180	100	005.17.738

Grain size	Cat. No.
P 220	005.17.745
P 240	005.17.746
P 280	005.17.747
P 320	005.17.748

Sanding sheet 115 x 102 mm

For wood and metal



With 6 apertures, with Velcro
Package contents = 10 pieces

Packing: 1 pack

Grain size	Cat. No.
P 60	005.17.760
P 80	005.17.761
P 100	005.17.762
P 120	005.17.763
P 150	005.17.764
P 180	005.17.765

Sanding belt cleaner



For removing resin and grinding dust from the running sanding belt, extends the tool life of sanding belts by up to 200%

Packing: 1 piece

	Cat. No.
Sanding belt cleaner	005.51.920

Sanding block



With Velcro fastening, foam rubber black
Dimensions (L x W): 70 x 120 mm

Packing: 1 piece

	Cat. No.
Sanding block	005.51.900

Sanding block



For sanding discs Ø 150 mm, very well suited to work on used discs, with Velcro fastening
Dimensions (L x W x H): 78 x 87 x 148 mm

Packing: 1 piece

	Cat. No.
Sanding block	005.51.907



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Metal cutting disc



For steel, stainless steel, conditionally for lightweight and non-ferrous metals, for dry cuts, good cutting properties, low heat generation, drill hole: 22.2 mm, low iron and sulphate, long tool life
Thickness: 1.0 mm

Packing: 10 pieces

Diameter mm	Speed range	Cat. No.
115	max. 13,300 rpm	005.14.010
125	max. 12,200 rpm	005.14.020

Velcro Backing pad, perforated



For random orbit sander, for velour Velcro fastening sanding discs, Ø 150 mm, for all hole patterns, for optimal dust extraction when using perforated sanding discs, with Festool adapter, M8 and 5/16" screw

Packing: 1 piece

	Cat. No.
Velcro backing pad for random orbit sander	005.58.502

Pad protection disc



For random orbit sander with disc Ø 150 mm, 67 apertures

Packing: 1 piece

Diameter mm	Cat. No.
145	005.58.209

Lambskin pad



For polishing demanding surfaces
Supplied with:
1 pack of 2 pieces

Packing: 1 pack

Diameter mm	Cat. No.
150	005.58.260

Mirka T 10 Polish



Suitable for all lacquers

Packing: 1 piece

Contents ml	Cat. No.
1,000	005.58.265

Jigsaw blades for wood materials



For quick cuts in softwood, chipboard, plywood, fibreboard, from 5–50 mm, HCS steel, ground, side set tooth design
Pitch: 4 mm
Toothed length: 105 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.403



For quick cutting in hardwood and softwood, coated panels, chipboard and plywood, plastics, from 5–70 mm, HCS steel, taper ground
Pitch: 3 mm
Toothed length: 105 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.402



For quick cutting in hardwood and softwood, HCS steel, side set tooth design
Pitch: 4 mm
Toothed length: 75 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.349



For fast, clean, right-angled cuts in hardwood and softwood, plywood, coated chipboard, plastics, up to 60 mm, HCS steel, taper ground
Pitch: 2.5 mm
Toothed length: 91 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.401



For neat surface cut in wood, laminate, parquet, plywood, plastics, coated wood, up to 20 mm, Bi-metal, taper ground, reverse ground teeth
Pitch: 1.9 mm
Toothed length: 60 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.405



For clean cuts in hardwood, wood materials, plastics, HCS steel, taper ground
Pitch: 2.5 mm
Toothed length: 75 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.319

Jigsaw blades for wood materials

Specially for curved cuts in softwood, chipboard, plywood, fibreboard, from 5–50 mm, HCS steel, ground, side set tooth design,
Pitch: 4 mm,
Toothed length: 75 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.400



For clean cuts in hardwood and softwood, plastics, HCS steel, taper ground
Pitch: 4 mm
Toothed length: 75 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.329



For fast, clean, right-angled cuts in hardwood and softwood, plywood, coated chipboard, plastics, up to 60 mm, HCS steel, taper ground
Pitch: 2.5 mm
Toothed length: 91 mm

Supplied with:

1 pack of 25 pieces

Packing: 1 pack

	Cat. No.
	000.70.301

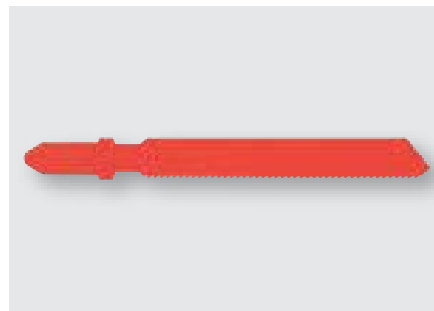
Jigsaw blade, multi box

For wood materials, for almost all applications

- > Pitch 1.6 mm: for straight cuts, extremely suitable for laminate
 - > Pitch 2.5 mm: for straight, fine cuts
 - > Pitch 4 mm: extra strong blade for long and straight cuts
 - > Progressive pitch 4–5.2 mm
 - > Progressive pitch 4–5.2 mm: for softwood and boards, especially for cutting curves
- 5 each of 5 different jigsaw blades

Packing: 1 pack

	Cat. No.
Multi box	000.70.302

Jigsaw blade for metal


Steel, non-ferrous metals, up to 2 mm, HCS steel, wavy set tooth design

Pitch: 1.2 mm
Toothed length: 50 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.369


Reciprocating saw blade

For wood, construction steel, stainless steel and non-ferrous metals, for rough cuts, for screws, nails and iron material in wood
Cutting depth: max. 5 mm, in steel and non-ferrous metals
Pitch: 4 mm
Toothed length: 150 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.810

Circular cutter



For circle diameter of 30–163 mm, cuts plywood, gypsum plaster and acrylic sheets up to 23 mm thickness, cuts aluminium, brass and other metal plates up to 1 mm thickness, with two-sided application: cutting depths up to 45 mm are possible, transparent cap prevents chips from falling out, and allows monitoring the entire work process, suitable for drill chuck 13 mm

Supplied with:

- 1 cutting blade for wood, 1 cutting blade for metal
- 1 transparent protective cap
- 1 drilling/cutting device
- 1 plastic transport case

Packing: 1 piece

	Cat. No.
Circular cutter	001.67.518

→ Drill bit

Packing: 1 piece

	Cat. No.
Drill bit	001.67.590

→ Replacement blade for metal

Packing: 1 piece

Version	Cat. No.
Hard metal tipped	001.67.537

→ Replacement blade for wood

Packing: 1 piece

Version	Cat. No.
Hardened steel	001.67.528

Circular cutter hard metal



Dust protected working on ceiling, wall and floor areas

Max. cutting depth 30 mm on one side or both sides 60 mm, easy, exact setting of the drill diameter, additional HSS blade set is also supplied for drill holes in plastic and acrylic

Supplied with:

- 1 hood
- 1 twist drill bit
- 1 HM blade set for wood
- 1 HSS blade set for plastic and acrylic
- 1 transport case

Packing: 1 piece

	Cat. No.
Hole Ø from 40–125 mm	001.67.018

→ Replacement blade

Packing: 2 pieces

Version	Cat. No.
Replacement blade for wood, HM-tipped	001.67.010

Holesaw set, 10 pieces, hard metal**Cuts up to 5x faster**

New holder allows quick removal of sawing core, simple and safe magnification of an existing drill hole possible (additional holesaw can be used for centring), solid wood, chipboard, MDF, plastic, plasterboard, aerated concrete and tiles up to hardness rating 6

Supplied with:

1 each of holesaw Ø 30, 40, 57, 60, 65, 68, 80, 86 mm, with suitable holders

Tailored to popular lights and cable glands

Packing: 1 set

	Cat. No.
Hard metal holesaw set	001.67.110

Holesaw set, 8 pieces, hard metal, universal

For cutting holes into any type of wooden and board material, MDF, gas concrete, plasterboard, plastics and tiles with a scratch hardness of up to 6

Cutting depth: 50 mm

Easily removable saw core due to sophisticated ejection system, excellent concentricity is provided by the solid base and one-piece saw body, hard metal

Saw body: steel

Supplied with:

6 holesaws, Ø 35, 50, 57, 60, 68 and 80 mm

1 hole edge countersink

1 quick change holesaw arbor with HSS hole centre drilling bit

Packing: 1 piece

	Cat. No.
Holesaw set, hard metal, universal	001.67.111

Universal drill bit set, 29 pieces



HSS-G
 suitable for all materials such as wood,
 metal and stainless steel,
 drill bit sizes from 1–13 mm,
 rising by 0.5 mm,
 non-slip shank,
 impact-resistant case,
 unique tip design enables bits to bite on round surfaces



Packing: 1 piece

	Cat. No.
Universal drill bit set	001.41.580

Drill bit sharpener



For sharpening twist drill bits (HS/HM)
 automatically guided grinding process, excellent point
 geometry due to curve-controlled chuck characterized
 by very good life time life for the drill bit, thinning the
 cutting edges in one setting (conical sharpening),
 easy replacement of the slip rings,
 with template for point angle control

Technical data:

Grinding range approx. 2.5–13.0 mm
 Point angle adjustable to 118°/155°
 Motor: 230 V, 50 Hz, 1.75 A

Packing: 1 piece

	Cat. No.
Drill bit sharpener	005.29.000

→ Replacement slip ring

Packing: 1 piece

Diameter mm	Cat. No.
Disk Ø 13	005.29.020

HSS or HS-CO twist drill bit set, 19 pieces



HSS or HSS-Co
Diameter: 1 to 10 mm,
rising by 0.5 mm
supplied in plastic carrying case

Packing: 1 piece

Material	Cat. No.
HSS	001.41.530
HSS-Co	001.41.570

HSS twist drill bit



HSS
Standard: DIN 338

Diameter mm	Packing pieces	Cat. No.
1.0	10	001.41.006
1.5	10	001.41.015
2.0	10	001.41.024
2.5	10	001.41.042
3.0	10	001.41.051
3.5	10	001.41.088
4.0	10	001.41.104
4.5	10	001.41.131
5.0	10	001.41.168
5.5	10	001.41.177
6.0	10	001.41.186
6.5	10	001.41.211
7.0	10	001.41.220
7.5	10	001.41.239
8.0	10	001.41.248
8.5	10	001.41.266
9.0	10	001.41.275
9.5	10	001.41.284
10.0	10	001.41.293
10.5	10	001.41.300
11.0	5	001.41.319
11.5	5	001.41.328
12.0	5	001.41.337
13.0	5	001.41.355

HSS twist drill bit set, 25 pieces



HSS
Standard: DIN 338
Diameter: 1 to 13 mm,
rising by 0.5 mm
supplied in plastic carrying case

Packing: 1 piece

	Cat. No.
Twist drill bit set	001.41.551

HSS twist drill bit set for wood, 5 pieces



For drilling holes in all types of wood, MDF and acrylic glass, HSS, with centering tip
Diameter: Ø 4, 5, 6, 8, 10 mm

Packing: 1 set

	Cat. No.
Twist drill bit set for wood, 5 pieces	001.20.392

HSS twist drill bit set for wood, 25 pieces

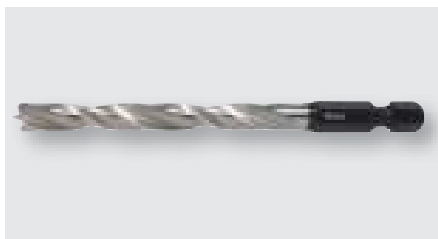


For drilling into soft wood and hardwood, bonded wood, MDF, plastic and acrylic glass, extremely robust and hard-wearing, smooth chip removal
Diameter: 1 to 13 mm rising by 0.5 mm, HSS

Packing: 1 piece

	Cat. No.
Twist drill bit set for wood, 25 pieces	001.20.393

HSS twist drill bit for wood



With hexagonal holder 1/4", suitable for common universal holders and bit holders

Packing: 1 piece

Drill hole Ø mm	Drill bit length mm	Cat. No.
3	70	001.20.503
4	75	001.20.504
5	85	001.20.505
6	95	001.20.506
8	110	001.20.508
10	110	001.20.510
12	110	001.20.512

Professional twist drill bit for wood



For drilling holes in all types of wood, MDF and acrylic glass, HSS, with centering tip

Packing: 1 piece

Drill hole Ø mm	Drill bit length mm	Cat. No.
4	75	001.20.370
5	85	001.20.371
6	95	001.20.372
7	110	001.20.373
8	110	001.20.374
10	110	001.20.376
12	140	001.20.377
13	140	001.20.378
14	140	001.20.379
15	140	001.20.380

HSS twist drill bit for wood

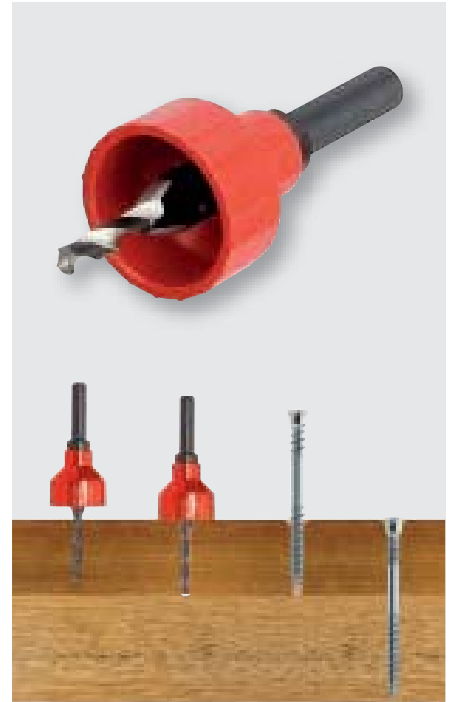


For drilling holes in all types of wood, MDF and acrylic glass, for deep holes, e.g. for door catch, with centering tip, HSS

Packing: 1 piece

Drill hole Ø mm	Drill bit length mm	Cat. No.
8	400	001.20.350
10	400	001.20.351
11	250	001.20.381
12	250	001.20.352

Countersink drill bit with depth gauge



Suitable for decking screws

Drilling and countersinking in one operation, prevents tearing of screws in hardwood, ensures a perfect seat of the screw head
Drill bit diameter: 4.8 mm

HSS twist drill bit set for wood, 3 pieces



For drilling holes in all types of wood, MDF and acrylic glass, for deep holes, e.g. for push catch, with centering tip, HSS,
Drill bit length: Ø 8 mm/400 mm,
Ø 10 mm/400 mm,
Ø 12 mm/250 mm

Supplied with:

1 drill bit each of
Ø 8 mm, Ø 10 mm, Ø 12 mm

Packing: 1 piece

	Cat. No.
HSS twist drill bit set for wood, 3 pieces	001.20.353

Packing: 1 piece

	Cat. No.
Countersink drill bit with depth gauge	001.28.590



Forstner drill bit set with accessories



Allows precise drilling even with extreme angular positions, with 100 % true running accuracy, forged drill bit with wavy cutting edge, 2 cutting edges in premium quality, with replaceable centering tip and replaceable hole centre drilling bit, extension to up to 4 times the standard length, easy connection and extension without screws, 5-piece set in wooden box

Drill bit diameter: 15, 20, 25, 30, 35 mm
Length: 90 mm

Supplied with:

- Forstner drill bit Ø 15, 20, 25, 30, 35 mm
- Extension: GL 93 mm
- Disassembly tool
- 2x hole centre drilling bit Ø 4 mm
- 2x centering tip
- 1x case size S

Packing: 1 piece

	Cat. No.
Forstner drill bit set with accessories	001.04.150

Forstner drill bit set, 5 pieces



5-piece set in elegant wooden box, wavy cutting edge, 2 cutting edges in premium quality
Length: 90 mm

Supplied with:

- Ø 15, 20, 25, 30, 35 mm

Packing: 1 piece

	Cat. No.
Forstner drill bit set, 5 pieces	001.04.100

Forstner drill bit, WS



For soft wood, suitable for use with drilling depth stop
Cutting edges: tool steel

Forstner drill bit, WS



For softwood, hardwood, chipboard and MDF boards, with toothed outer spur which prevents overheating and makes the drill bit stay sharp longer, suitable for use with drilling depth stop, drill bit with continuous shaft Ø
Cutting edges: tool steel

HM multi-spur drill bit



For hardwood, chipboard and MDF boards and plastics, suitable for use with drilling depth stop, drill bit with continuous shaft Ø
Cutting edges: HM-tipped

Packing: 1 piece

Drill hole Ø mm	Shaft Ø mm	Cat. No.
15.0	8	001.05.037
20.0	8	001.05.064
25.0	10	001.05.091
30.0	10	001.05.126
35.0	10	001.05.153

Packing: 1 piece

Drill hole Ø mm	Shaft Ø mm	Cat. No.
12.0	8	001.04.112
15.0	10	001.04.115
18.0	10	001.04.118
19.0	10	001.04.119
20.0	10	001.04.120
25.0	10	001.04.125
26.0	10	001.04.126
30.0	10	001.04.130
35.0	10	001.04.135

Packing: 1 piece

Drill hole Ø mm	Shaft Ø mm	Cat. No.
12.0	8	001.06.612
15.0	10	001.06.615
18.0	10	001.06.618
20.0	10	001.06.620
25.0	10	001.06.625
26.0	10	001.06.626
30.0	10	001.06.630
35.0	10	001.06.635
40.0	10	001.06.640

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Tile cutter drill bit set, diamond



For materials up to hardness rating 8, resistant diamond dust coating, with water spiral on drill bit, with water supply system for easy cooling of the drill bit

Packing: 1 piece

Drill hole Ø mm	Cat. No.
Set: 5, 6, 7, 8, 10	001.69.060

→ Tile cutter drill bit diamond

Packing: 1 piece

Drill hole Ø mm	Cat. No.
6.0	001.69.063
8.0	001.69.065
10.0	001.69.066

→ Water supply tank for drill bit cooling

Packing: 1 piece

	Cat. No.
Water supply tank for drill bit cooling	001.69.069

HM masonry drill bit



For use with cordless drills, impact drilling: In sand-lime brick plan elements, red bricks and concrete, rotary drilling: In roof tiles, slates, marble, wall tiles and lightweight materials
Cutting material: HM-tipped, rapid drilling provided by aggressive hard metal cutting edges, quadruple conveyor spiral for rapid drilling dust extraction

Packing: 1 piece

Drill hole Ø mm	Cat. No.
6.0	001.69.007
8.0	001.69.013
10.0	001.69.015

SDS-plus HM hammer drill bit



For concrete, granite, masonry, brick, hard-burnt tiles, marble
Cutting material: HM-tipped, with SDS-plus pick-up shaft

Drill hole Ø mm	Effective length mm	Packing pieces	Cat. No.
6.0	100	1 or 10	001.70.004
6.0	150	1 or 10	001.70.003
6.0	200	1	001.70.005
8.0	100	1 or 10	001.70.007
8.0	150	1 or 10	001.70.008
8.0	200	1	001.70.010
10.0	200	1 or 10	001.70.011
12.0	200	1 or 10	001.70.014
14.0	200	1	001.70.017

HM universal drill bit



Suitable for all materials: Masonry, wall tiles, roof tiles, plastic, lightweight material, metal, non-ferrous metal, coated chipboard, drilling also possible on smooth and hard surfaces thanks to the diamond-ground HM horizontal blade

Packing: 1 piece

Drill bit diameter mm	Drill bit length mm	Cat. No.
3	60	001.68.414
4	85	001.68.415
6	100	001.68.410
8	120	001.68.411
10	120	001.68.412
12	150	001.68.413

Universal drill bit set, 4 pieces



For all materials, easy drilling also on smooth and hard surfaces

Supplied with:

- 1 drill bit Ø 5 mm
- 1 drill bit Ø 6 mm
- 1 drill bit Ø 8 mm
- 1 drill bit Ø 10 mm

Packing: 1 piece

	Cat. No.
Universal drill bit set, 4 pieces	001.68.419

SDS-plus HM hammer drill bit



Impeller cutting edge with 3 blades, robust head geometry thanks to recessed tungsten hard metal head, will withstand impacts with reinforcement, long life time, with SDS-plus pick-up shaft

Packing: 1 or 10 pieces

Drill bit diameter mm	Drill bit length mm	Cat. No.
6	110	001.70.110
6	160	001.70.111
8	110	001.70.112
8	160	001.70.113
10	160	001.70.114
12	160	001.70.115
12	210	001.70.116

SDS-plus hammer drill bit set, 5 pieces



Impeller cutting edge with 3 blades, robust head geometry thanks to recessed tungsten hard metal head, will withstand impacts with reinforcement, long life time, with SDS-plus pick-up shaft

Supplied with:

- 1 drill bit Ø 6 x 50 mm
- 1 drill bit Ø 8 x 100 mm
- 1 drill bit Ø 6 x 100 mm
- 1 drill bit Ø 8 x 160 mm
- 1 drill bit Ø 10 x 160 mm

Packing: 1 piece

	Cat. No.
Hammer drill bit set, 5 pieces	001.70.117

Plug-on countersunk bit



For attaching to drill, with retaining screw

Packing: 1 piece

Diameter mm	Cat. No.
4.0	001.28.218
5.0	001.28.227
6.0	001.28.236

HSS flute countersink bit with 1/4" hex shank



For countersinking, deburring and bevelling of drill holes in wood, plastic and steel

Packing: 1 piece

Diameter mm	Cat. No.
12.4	001.26.162
16.5	001.26.166

Countersink drill bit



For countersinking, deburring and bevelling of drill holes in wood, plastic and steel
Shaft: 10 x 50 mm,
Total length: 75 mm

Packing: 1 piece

Diameter mm	Cat. No.
16.0	001.26.116

Countersunk bit, hand held



With plastic handle

Packing: 1 piece

	Cat. No.
Countersunk bit, hand held	001.26.134

Drilling depth stop



For drill bits with continuous shank Ø 10 mm and max. drill hole Ø 35 mm, bell shape, with retaining screw, no damage to the surface when drilling, as the ring stops rotating when it touches the material being drilled

Packing: 1 piece

	Cat. No.
Drilling depth stop	001.28.129

Stop ring



Retaining screw with hexagon socket

Packing: 1 piece

Internal Ø mm	External Ø mm	Cat. No.
5	10	001.42.665
6	12	001.42.674
8	16	001.42.683
10	23	001.42.693

Wiha BitBuddy Bit box with 7 bits, PZ and TS



MaxxTor bits, assorted with belt clip, swivels by 180°

Supplied with:

1 universal magnetic holder, shape E 6.3,
1 each of PZ1, PZ2, TS15, TS20, TS25, TS30, TS40

Packing: 1 piece

Contents	Cat. No.
8 pieces	006.37.075

Häfele Bit box with 10 bits



Supplied with:

1 universal magnetic holder
1 flat bit each of 5.5 and 6.5 mm
1 bit each of PH1, PH3
2 bits PH2
1 bit each of PZ1, PZ3
2 bits PZ2

Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.090

Häfele Bit box with 10 bits, PZ and TS



Supplied with:

1 universal magnetic holder
1 bit each of PZ1, PZ3
2 bits PZ2
1 bit each of TS10, TS15, TS20, TS25, TS30, TS40

Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.093

Häfele Bit box with 10 bits, TS



Supplied with:

1 universal magnetic holder
2 bits each TS10, TS15, TS20, TS25, TS30

Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.091

Häfele Bit box with 10 bits, PZ



Extra hard HOT torsion bit

Supplied with:

1 universal magnetic holder
2 bits each of PZ1, PZ3
6 bits PZ2

Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.095

Häfele Bit box with 30 bits, PZ and TS



Drive: 1/4"

Supplied with:

1 universal magnetic holder
4 bits PZ1
12 bits PZ2
3 bits PZ3
1 bit each of TS10, TS15
3 bits TS20
2 bits each of TS25, TS30, TS40

Packing: 1 set

Contents	Cat. No.
31 pieces	006.40.260

Häfele PZ bits



With Häfele lettering
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.121
PZ2	3.5-5	006.37.122
PZ3	6	006.37.123

Häfele PZ torsion bits, long



With Häfele lettering,
for use when drilling into soft material,
long life time, low wear, less contact
pressure required, extra hard
Length: 50 mm
Drive: 1/4"

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.231
PZ2	3.5-5	006.37.232
PZ3	6	006.37.233

Häfele PZ torsion bits



With Häfele lettering,
for use when drilling into soft material,
long life time, low wear, less contact
pressure required, extra hard
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.221
PZ2	3.5-5	006.37.222
PZ3	6	006.37.223

PZ torsion bits with diamond coating



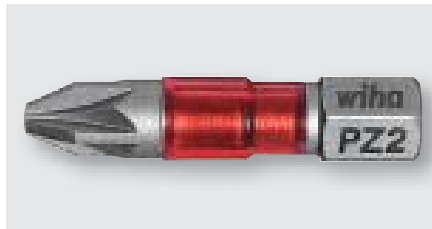
Suitable for screw fixing of fittings,
with wear and tear free diamond
particles, long life time,
perfect grip on the screw

Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.241
PC2	3.5-5	006.37.242

Wiha MaxxTor PZ two component bit

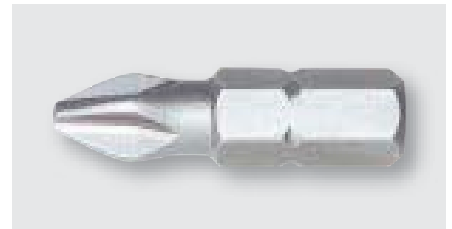


With extended grip zone for simplified
bit change, plastic coating for
increased safety at work
Bit: Tool steel, hardened
Coating: impact-resistant plastic
Standard: DIN 3126, ISO 1173
Length: 29 mm
Drive: 1/4"

Packing: 5 pieces

Size	Cat. No.
PZ1	006.37.640
PC2	006.37.641
PZ3	006.37.642

Häfele PH bits



With Häfele lettering,
For sheet metal screws

Length: 25 mm,
Drive: 1/4"

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PH1	2.2-2.9	006.37.101
PH2	3.5-4.8	006.37.102
PH3	5.5-6.3	006.37.103

Häfele TS (T-star drive) bits

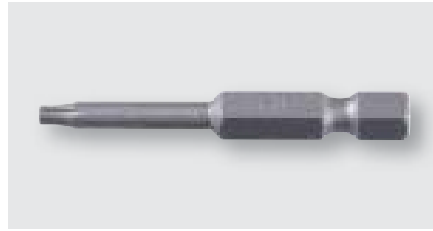


With Häfele lettering
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.141
TS15	006.37.142
TS20	006.37.143
TS25	006.37.144
TS30	006.37.145
TS40	006.37.146

Häfele TS (T-star drive) bits, long



With Häfele lettering
Length: 50 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.171
TS15	006.37.172
TS20	006.37.173
TS25	006.37.174
TS30	006.37.175

TS (T-star drive) torsion bit



Extra hard,
for use when drilling into soft material,
long life time, low wear
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.261
TS15	006.37.262
TS20	006.37.263
TS25	006.37.264
TS30	006.37.265
TS40	006.37.266

TS (T-star drive) drill bits with centre pin



Suitable for Spax screws with
T-star drive
Length: 25 mm
Drive: 1/4"

Packing: 12 pieces

Size	Cat. No.
TS10	006.37.381
TS15	006.37.382
TS20	006.37.383
TS25	006.37.384
TS30	006.37.385

TS (T-star drive) bits, conical shape



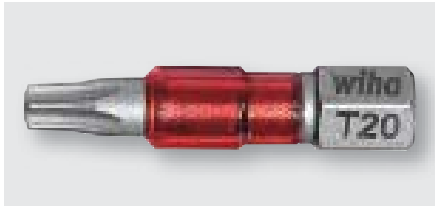
Firm grip in the screw drive
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.161
TS15	006.37.162
TS20	006.37.163
TS25	006.37.164



**Wiha MaxxTor TS (T-star drive)
two component bit**



With extended grip zone for simplified bit change, plastic coating for increased safety at work
Bit: Tool steel, hardened
Coating: Impact-resistant plastic
Standard: DIN 3126, ISO 1173
Length: 29 mm
Drive: 1/4"

Packing: 5 pieces

Size	Cat. No.
TS10	006.37.570
TS15	006.37.571
TS20	006.37.572
TS25	006.37.573
TS30	006.37.574
TS40	006.37.575

Universal bit holder with permanent magnet and retaining ring

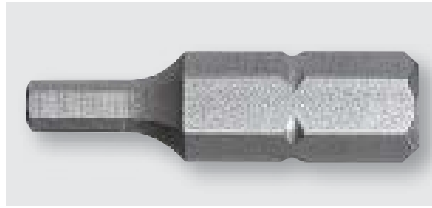


With permanent magnet and retaining ring
Chuck: 1/4"
Drive: 1/4"

Packing: 1 or 100 piece

Length mm	Cat. No.
75	006.40.310

Standard SW (hexagon socket) bit



Material: Chrome vanadium steel, hardened
Standard: DIN 3126, ISO 1173
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
SW3	006.37.650
SW4	006.37.651
SW5	006.37.652

Universal bit holder with permanent magnet and quick release chuck

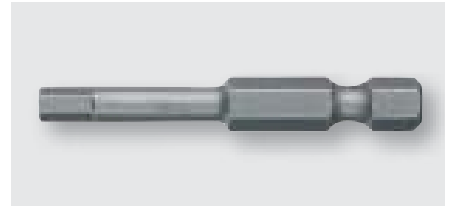


With permanent magnet and quick release chuck
Chuck: 1/4"
Drive: 1/4"

Packing: 1 piece

Length mm	Cat. No.
60	006.37.250

SW (hexagon socket) bit, long



Specially for difficult to access connections, such as Clamex connectors, chrome vanadium steel, hardened
Standard: DIN 3126, ISO 1173
Length: 50 mm
Drive: 1/4"

Packing: 5 pieces

Size	Cat. No.
SW4	006.37.630
SW5	006.37.662

Wiha CentroFix universal bit holder with permanent magnet and quick release chuck

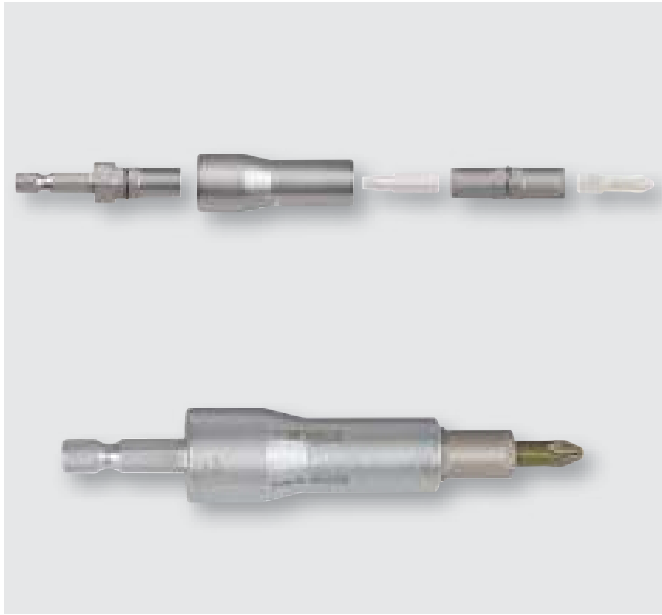


with permanent magnet and quick release chuck, for securely holding bits with zero clearance, optimized for the use of long bits and drill bits, metal coated
Drive: 1/4"

Packing: 1 piece

Length mm	Cat. No.
60	006.37.255

Bit holder with 2 socket keys and 2 chucks



Socket key, SW10



Socket key, SW13



Chuck 1



Chuck 2

One tool, four applications!

Socket key 10 and 13 mm and 2 chucks,
bits not supplied

Packing: 1 piece

Material	Finish	Cat. No.
Steel	Nickel plated	006.40.330

Offset screwdriver



Screw down to the last angle,
magnetic,
for all 1/4" bits and countersinker

Packing: 1 piece

	Cat. No.
Offset screwdriver	006.40.805

Torque wrench



For controlled tightening of screws with pre-set torque, e.g. glass door hinges, shower door hinges, sliding door fittings, with pistol grip for transmission of high torques, with non-slip finish to prevent hands from slipping even if wet or greasy, with overload protection (release torque greater than remove initial space), with adjustable torque 3.2–16 Nm, measuring precision $\pm 6\%$, with magnetic holder for 1/4" bits, screwdriver releases clearly audible and perceptible and is immediately ready-for-use again

Supplied with:

- 1 torque wrench
- 1 blade 8 mm with magnetic chuck 1/4"

Packing: 1 piece

Torque wrench with pistol grip	Cat. No.
	006.40.437

Wiha 26one Screwdriver with integrated bit magazine



With ergonomic multi-component handle with large volume for powerful working, with bit holder and integrated bit magazine in handle, slim design for a wide range of uses, e.g. in blind holes, 26 tools in one

Supplied with:

- 1 screwdriver
- 1 double bit each of:
 - > TS10, TS15, TS20, TS25, TS27 + TS30
 - > PH1+ PH2, PH0 + PH3
 - > PZ1 + PZ2
 - > Flat blade
 - > Square socket 1.0 + 2.0
 - > Hexagon socket 3 + 4, 5 + 6, 3/32 + 7/64, 1/8 + 9/64, 5/32 + 3/16

Packing: 1 piece

Magazine bit holder	Cat. No.
	006.28.396



WORKSHOP EQUIPMENT

CONTENTS

WORKSHOP EQUIPMENT

Accessories for workshop and installation



Cable reels



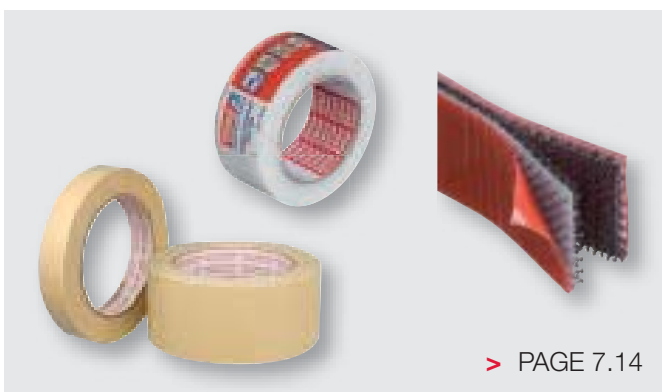
Hanging workshop energy cubes, lights



Packaging material



Adhesive tapes, quick release cable ties, Velcro tapes



Transport aids



Mounting device for door frames

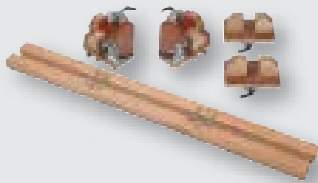


- > Can be attached to any trestle
- > Space-saving
- > Assembled quickly

With this mounting device, the door frames can be assembled quickly and without damage

Time saving of up to 30%

The clamping device ensures more precise and more comfortable installation, suitable for all door frames and linings



→ Tool tray



Supplied with:

- Consisting of:
- 2 pieces of Multiplex guide rails
120 cm
 - 2 pieces of clamps
left/right
 - 2 pieces of holders
left/right
- Please order trestle separately

Packing: 1 set

	Cat. No.
Set	008.07.351

Suitable for guide rail,
provides storage space for tools
and fittings, made of multiplex

Packing: 1 piece

Dim. cm	Cat. No.
24 x 20 x 350	008.07.359

Trestle



Feet individually adjustable up to 860 mm, space-saving collapsible, with quick tightening facility, non-slip supporting surface, with carrying handle
Width: 1,000 mm



Packing: 1 or 2 pieces

Load bearing capacity kg	Cat. No.
≤120	008.07.311

Trestle



Robust, stable square tube, space-saving collapsible, supporting surface 680 mm, folding locking hook prevents lateral sliding of the worktop (max. 640 mm wide) height adjustment: 820–1300 mm, using easy-to-operate safety index bolts
Load bearing capacity: up to 160 kg

Packing: 1 piece

Load bearing capacity kg	Cat. No.
Up to 160	008.07.310

Dust stop zip door



Blocks out the dirt!

Suitable for the majority of doorways,
 captures dust in the work area,
 extra strong (100 µm) building foil 2.20 x 1.2 m,
 self-adhesive zipper enables a flexible, resealable entrance and exit,
 strong adhesive tape for a perfect seal of the passage and a low-residue
 removal,
 supplied in re-sealable plastic bag



Packing: 1 set

Dust stop zip door	Cat. No. 008.55.020
--------------------	-------------------------------

Door and panel lifter with load bearing capacity up to 250 kg



Robust design, leverage 1: 3
 Material: Rubber coated steel plates

Packing: 1 piece

Load bearing capacity kg	Cat. No.
≤250	007.90.060

Door and panel lifter with load bearing capacity up to 120 kg



Material: Highly tempered polyamide

Weight: 120 g

Packing: 1 piece

Load bearing capacity kg	Cat. No.
≤120	007.90.061

Aluminium safety ladder



Platform height: 0.76 m,
4 steps, load bearing capacity
up to 150 kg
Transport dim. (H x W x D):
1.45 x 0.43 x 0.13 m

Packing: 1 piece

Weight kg	Cat. No.
3.7	008.70.084

Double-sided ladder



Aluminium
Height: 0.8 m
2x 3 profiled, wide steps,
Load bearing capacity up to 150 kg
Transport dim. (H x W x D):
0.9 x 0.4 x 0.16 m

Packing: 1 piece

Weight kg	Cat. No.
4	008.70.024

Telescopic ladder



Aluminium
4x 4 rungs,
with safety locking hooks
Length: Extension ladder 4.20 m
Height: Safety ladder 2.10 m
Transport dim. (H x W x D):
1.3 x 0.6 x 0.2 m
Load bearing capacity up to 150 kg

Packing: 1 piece

Weight kg	Cat. No.
14.8	008.70.072

MT 2018, HDE, 10/17; Dimensional data not binding. We reserve the right to alter specifications without notice.



Häfele is your partner for successful projects. As well as the large selection of furniture fittings and architectural hardware in the "Complete Häfele" catalogues, the "Compact" appears every quarter.

The "Compact" provides you with attractive opportunities for completing your equipment with power tools and PPE equipment.



Brennenstuhl professionalLine Cable reel IP44



Professional cable reel with rollover protection, stability provided on all four sides for perfect cable guidance, large, stable folding rotary handle for effortless winding and unwinding, robust carrying handles and plug storage box on all four sides, housing and reel material made from impact resistant plastic rubber combination, cable made from extremely robust and oil resistant rubber neoprene, with 4 Schuko safety sockets, splash proof, with self-closing covers, with robust Schuko safety plug, safety cut-out, control light and ready indicator in socket insert

Cable colour: black
 Rubber neoprene cable H07RN-F 3G 1.5

Packing: 1 piece

Cable length m	Cat. No.
33	008.74.047
50	008.74.048

Brennenstuhl professionalLine Cable reel IP44, with power block



Extremely suitable for use on the scaffolding or roof, professional cable reel with rollover protection, with mobile power block and four additional sockets for easy use, stability provided on all four sides for perfect cable guidance, large, stable folding rotary handle for effortless winding and unwinding, robust carrying handles and plug storage box on all four sides, housing and reel material made from impact resistant plastic rubber combination, cable made from extremely robust and oil resistant rubber neoprene, with 4 Schuko safety sockets, splash proof, with self-closing covers, with robust Schuko safety plug, safety cut-out, control light and ready indicator in socket insert

Cable colour: black
 Rubber neoprene cable H07RN-F 3G 1.5

Packing: 1 piece

Cable length m	Cat. No.
33 + 5 m lead	008.74.049

Brennenstuhl professionalLine Cable reel IP44, with innovative carrying handle

Ideal for use on the building site and outdoors, IP 44, innovative carrying handle for perfect cable guidance, swings to both sides and allows comfortable carrying and suspending, large, stable folding rotary handle for effortless winding and unwinding, reel body made from sheet steel, front and rear side with protective insulation, with 4 Schuko safety sockets, splash proof, with self-closing covers, with robust Schuko safety plug, safety cut-out, and optical ready indicator in socket insert, insensitive to petrol and oil

Cable colour: black

Rubber neoprene cable H07RN-F 3G 1.5

Packing: 1 piece

Cable length m	Cat. No.
25	008.74.050

Brennenstuhl Cable reel IP44

Ideal for heavy duty use on buildings sites, in workshops and industrial areas, outdoor use, IP44, 3 splash-proof Schuko safety sockets, with self-closing covers, safety cut-out, control light indicates overheating or overloading, stable steel tube frame with ergonomic handle, reel housing made of rustproof sheet steel galvanized

Cable colour: orange

Cable AT-NO7V3V3-F 3G1.5

Standard: Cable tested to difficult building site conditions in accordance with VDE 0100 part 704

Packing: 1 piece

Cable length m	Diameter mm	Cat. No.
25	240	008.74.042
40	290	008.74.043

Brennenstuhl Cable reel IP44, with convenient rotary contact



Socket element fixed,
control light indicates overheating or overloading
neoprene cable H07RN-F 3G1.5

The convenient rotary contact prevents twisting of the inserted cable when unwinding.

Packing: 1 piece

Cable length m	Diameter mm	Cat. No.
40	290	008.74.046

**Brennenstuhl professionalLine
Extension cable IP44**



Extremely robust and oil resistant,
Schuko safety plug and safety slip
clutch with sealing cap, bending
protection and cable seal,
UV resistant
Cable colour: black
rubber neoprene cable
H07RN-F 3G1.5

Packing: 1 piece

Length m	Cat. No.
10	008.74.039
40	008.74.040

**Brennenstuhl professionalLine
Extension cable IP54**

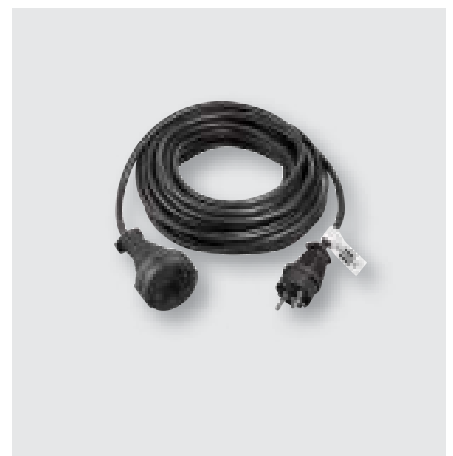


Mobile power block with 4 sockets,
splash proof sockets in 45° position
with self-closing hinged covers,
with optical ready indicator, folding
metal hooks and strap for additional
fixing options
Cable colour: black
rubber neoprene cable
H07RN-F 3G1.5

Packing: 1 piece

Length m	Cat. No.
15	008.74.037

Extension cable



For indoor use
cable H05 VV-F 3G1.5

Packing: 1 piece

Length m	Cat. No.
10	008.74.035

Hanging workshop energy cube



With 2x 4 Schuko safety sockets,
with self-closing covers, large tool hook,
3 m stable galvanized steel link chain,
5 m connection lead with Schuko safety plug

Packing: 1 piece

	Cat. No.
Hanging workshop energy cube	008.74.093

Hanging workshop energy cube with compressed air supply, IP44



Power and compressed air for any working height.

3 Schuko safety sockets, 2 one-hand pneumatic couplings,
extensive connectivity in the smallest space, 5 m connection
hose (Ø 6/12 mm), 5 m connection cable, 3 m stable steel
link chain

Packing: 1 piece

	Cat. No.
Hanging workshop energy cube with compressed air supply	008.74.094

Halogen spotlight with stand, ST200 IP44



For outdoor use,
continuously height adjustable from 0.7 to 2 m,
connection lead 5 m,
with Schuko safety plug,
splash proof,
with bulb, degree of protection IP44

Packing: 1 piece

	Cat. No.
Halogen spotlight with tripod	008.75.200
R7S 400W halogen lamp	008.75.914
Other lights	► MT 9.21

Brennenstuhl professionalLine SMD LED spotlight IP54, mobile



A+

For use in indoor and outdoor areas, IP54, extremely efficient SMD LED, low heat generation, no risk of injury, extremely long LED life time (not replaceable), impact resistant, maintenance-free

Folding bracket for free standing or attaching to a tripod, practical cable holder and plug storage box for quickly stowing away excess cable, impact resistant housing and front lens, non-slip rubber feet,

- > 5 m connection lead H07RN-F 3G1.5
- > 2 splash proof sockets with self-closing covers
- > Corresponds to BGI 608
- > On/off switch for light
- > Impact resistance: IK 10
- > Colour temperature: 6800 K

Packing: 1 piece

	Degree of protection	Wattage W	Luminous flux lm	Cat. No.
Lamp efficiency: 94 lm/W	I	50	4700	008.75.206
Lamp efficiency: 91 lm/W	II	80	7250	008.75.207

Brennenstuhl SMD LED spotlight IP54, mobile



A

For use in indoor and outdoor areas, low heat generation, no risk of injury, extremely long LED life time (not replaceable), impact resistant, maintenance-free, carrying handle with foam grip, spotlight can be swivelled and locked in any position, aluminium alloy housing, surface coated, front lens made from safety glass, sturdy frame,

- > 2 m connection lead H05RN-F 3G1.0
- > LEDs: 28 x 0.6 W
- > On/off switch
- > Colour temperature: 5700 K

Packing: 1 piece

	Wattage W	Luminous flux lm	Cat. No.
Lamp efficiency: 78 lm/W	20	1720	008.75.201
Lamp efficiency: 86 lm/W	30	2350	008.75.202

Other lights ▶ MT 9.21

Brennenstuhl professionalLine IP65 SMD LED battery-operated light

- High-efficiency SMD LEDs,
light emitting duration at front up to 3.5 hrs,
additional SMD LED in light head,
rubberised surface for optimum handling,
bendable retaining foot with powerful magnet,
two additional magnets on the rear
and a hook (can be rotated by 360°),
- > Dustproof and splash proof IP65
 - > On/off switch for front light (100 %, 50 %) and spotlight
 - > Integrated li-ion battery 3.7 V/4.4 Ah
 - > Incl. charging station 100–240 V AC, 50/60 Hz power supply unit and USB charging cable
 - > Luminous flux: 500 lm/250 lm + spotlight 100 lm
 - > Colour temperature: 6000 K
 - > Light-emitting duration: 4 h (100 %)/8 h (50 %)
 - > Dim. (W x D x H): 52 x 38 x 260 mm

Packing: 1 piece

Voltage V	Cat. No.
3.7	008.75.205

Brennenstuhl LED battery-operated spotlight IP54, mobile

- Housing made from high-quality plastic,
stable, fold-out frame with multiple settings,
light can be stood up, suspended or attached to metal
surfaces with 4 powerful integrated magnets, can also
be swivelled in frame,
the bulbs in the light can not be replaced,
- > On/off switch
 - > Replaceable li-ion battery 7.4 V/7,800 mAh.
Charging time 4.5 h
 - > Incl. high power power supply unit (100–240 V AC,
50/60 Hz, output 1.5 A) for short charging time
and 12 V vehicle charging cable
 - > Luminous flux: 1800 lm
 - > Colour temperature: 6500 K
 - > Light-emitting duration: 3.5 h (100 %)/7 h (50 %)
 - > Lamp efficiency: 90 lm/W
 - > Rechargeable battery: 7.4 V/7,800 mAh

Packing: 1 piece

Voltage V	Cat. No.
7.4	008.75.203

Other lights ► MT 9.21

With integrated overload and deep discharge protection
and battery status indicator, two settings: 100 %
and 50 % light (for longer light emitting duration)
Powerbank function: USB charging connection 2 A for
devices with a USB charging cable such as Smartphones,
MP3 players, tablets etc.

Professional strapping system



For parcels, boxes, sacks, barrels, tubes, machinery, steel parts – even hazardous goods and garbage bales can be secured firmly with textile straps

Supplied with:

- 1 3420 portable tape dispenser
- 1 1019 strap tensioner
- 1 roll of polyester strap, width 16 mm
- 1 pallet wrapping aid
- with 1,000 pieces of suitable tape clamps

Packing: 1 piece

	Cat. No.
Professional strapping system	007.81.901

→ Strapping tape

→ Tape clamps



Length: 850 m
Weight: 16 kg

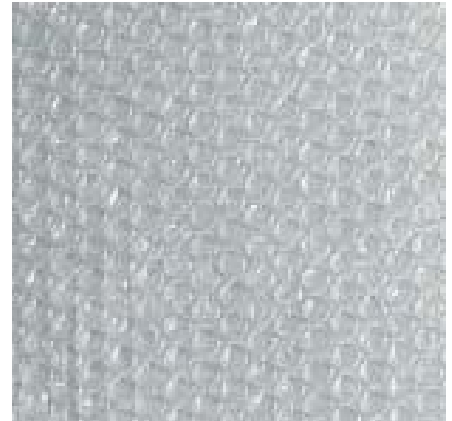
Packing: 2 pieces

Width mm	Cat. No.
16	007.81.913

Packing: 1,000 pieces

	Cat. No.
Tape clamps	007.81.921

Bubble wrap

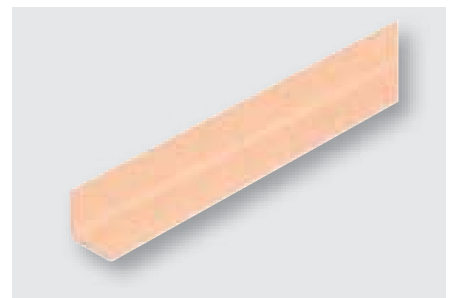


For protecting workpieces and materials during storage and transport, 2-layer foil, recyclable, smooth on one side, PE foil, clear, transparent, bubble Ø 10 mm

Packing: 1 piece

Width mm	Length m	Cat. No.
1,000	50	007.81.054

Edge protection profile, cardboard



For professional goods security, for protecting the edges from damages, increasing the stability of packing pieces and pallets, Side length: 40 mm
Thickness: 4 mm
Length: 1500 mm

Packing: 30 pieces

	Cat. No.
Edge protection profile, cardboard	007.81.122

Stretch wrap



For securing workpieces and materials on pallets during storage and transport, inner side of foil with self-adhesive coating, recyclable, PE foil, clear, transparent, foil thickness 20 µm

Packing: 1 or 6 pieces

Width mm	Length m	Cat. No.
500	300	007.81.063

Dispenser



For conveniently dispensing stretch wrap, suitable for roll width up to 500 mm, with brake tension
Material: metal chrome plated

Packing: 1 piece

	Cat. No.
Dispenser	007.81.002

Stretch wrap



Foil thickness 23 µm, sleeve 38 mm, protrudes on one side by 36 mm

Packing: 6 pieces

Width mm	Length m	Cat. No.
100	150	007.81.064

Mini dispenser



For stretch wrap 007.81.064

Packing: 1 piece

	Cat. No.
Mini dispenser	007.81.004

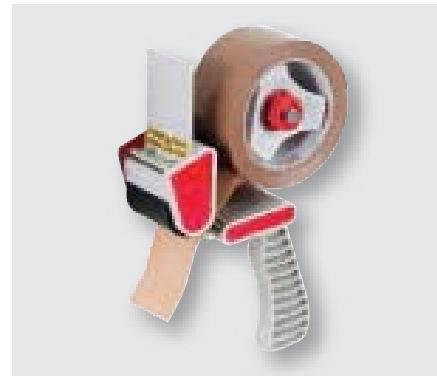
Packaging tape



Smooth, tear-resistant foil, transparent, printed (imprint: "Quality delivered from your interior design specialist"), or brown not printed
Width: 50 mm, Length: 66 m

Colour	Packing pieces	Cat. No.
PVC		
Brown, not printed	6 or 36	007.81.062
Transparent, red font colour	6 or 36	007.81.061
Polypropylene		
Brown, not printed	6	007.81.125
Transparent, not printed	6	007.81.126

Dispenser



For packaging tapes with roll width up to 50 mm, with adjustable brake, with pressure roller and cut-off blade without packaging tape

Packing: 1 piece

	Cat. No.
Dispenser	007.81.020

Universal masking tape



For marking, packaging and masking, finely creped masking tape, can be removed without residue

Colour: white
Length: 50 m

Packing: 12 pieces

Width mm	Cat. No.
15	007.82.030
19	007.82.031
25	007.82.032

Tesa NOPI 4349 Universal masking tape



For marking, packaging and masking, finely creped masking tape, can be removed without residue

Colour: light beige
Length: 50 m

Width mm	Packing pieces	Cat. No.
19	16	007.82.013
38	8	007.82.012
50	6	007.82.015

Tesakrepp 4317 Masking tape



For lacquer work, finely creped masking tape, can be removed without residue, protection of surfaces when decorating and painting

Width: 25 mm
Length: 50 m

Packing: 12 pieces

Colour	Cat. No.
Beige	007.82.001

Tesafix 64620 Adhesive tape



Double-sided adhesive tape, for permanent bonding

Width: 50 mm
Length: 50 m

Packing: 1 piece

Colour	Cat. No.
Transparent	007.81.133

Tesa 4124 Adhesive tape



High elasticity, **can be removed without residue, suitable for mitre joint connections**

Width: 50 mm
Length: 66 m

Packing: 6 pieces

Colour	Cat. No.
Transparent	007.81.132

Pattex Power-Tape Cotton adhesive tape



Cloth reinforced universal tape for extremely heavy loads, UV stable, water resistant, inscribable, can be torn by hand
Width: 50 mm
Length: 25 m

Packing: 1 piece

Colour	Cat. No.
Silver	003.58.011

Tesa 4939 Double-sided floor laying tape



Double-sided adhesive tape, residue-free up to 14 days after application
Width: 50 mm
Length: 25 m

Packing: 1 or 6 pieces

Colour	Cat. No.
White	007.81.140

Tesa 4665 Cotton adhesive tape



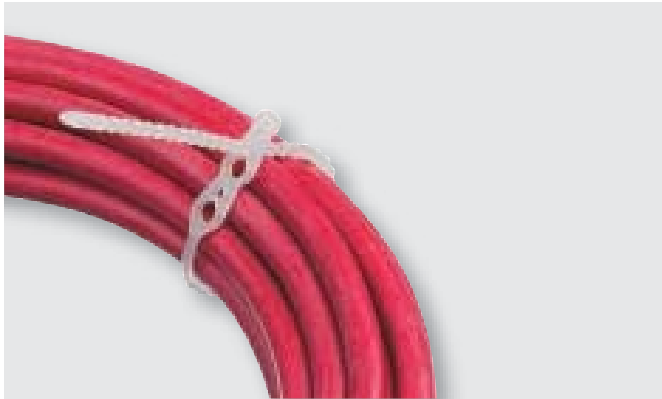
For permanent bonding in indoor and outdoor areas, for invisible repairs, UV resistant, weather resistant for 1 year
Width: 48 mm
Length: 25 m

Packing: 1 piece

Colour	Cat. No.
Transparent	007.82.021



Quick release cable ties

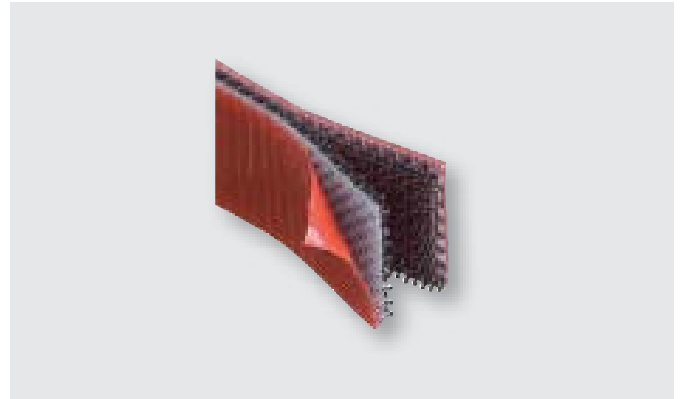


Can be released
Material: plastic
Colour: natural

Packing: 500 pieces

Length mm	Cat. No.
180	079.00.041
240	079.00.042
320	079.00.043

Velcro tape



Push-button principle fastening system, sticks to metal, stone, ceramic, glass, lacquered parts and plastic such as PVC, ABS, PP, largely weather and water resistant, self-adhesive on one side

Colour: tape black
Width: 25 mm
Length: 1 m

Packing: 1 piece

	Cat. No.
Velcro tape	007.81.077

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- All of the data for your planning at a glance.
- Inspiration with an item list.



**Häfele Multifunction oil,
with spraying tube**

Protection against corrosion,
lubricant, rust penetrator, cleaner,
contact spray

Packing: 1 or 12 pieces

Contents ml	Cat. No.
100	007.34.600

Silbergleit® Dry lubricant

For woodworking machines
prevents from sticky stops, guides
and threads as well as gumming
up machine tables, reduces friction,
leaves no residues on the workpieces,
free from silicone, graphite-free

Packing: 1 piece

Contents ml	Cat. No.
1,000	007.34.551

**WD-40 Multifunction oil,
with spraying tube**

Protection against corrosion,
lubricant, rust penetrator, cleaner,
contact spray, non-conductive,
silicone-free, resin-free,
chlorofluorocarbon-free

Packing: 1 piece

Contents ml	Cat. No.
450	007.34.624

Lubricating wax

Area of application: for repairing
jamming, squeaky or warped running
surfaces of doors, drawers and
tambour doors

Packing: 1 piece

Dim. (L x W x H) mm	Cat. No.
80 x 20 x 15	007.34.556

Wood lubricant

For woodworking machines and
veneer presses, free from silicone,
dirt repelling, non-resinous,
neutral behaviour toward material
and machinery

Packing: 1 or 12 pieces

Contents ml	Cat. No.
1,000	007.34.560

Carrying handle



→ Rubber layer for carrying handle



Ergonomic handles,
self-adjusting and self-gripping clamping system,
aluminium
Load bearing capacity: 100 kg per handle

Rubber layer for **carrying handle**,
for protecting the original rubber layer,
simply pull on and that's it

Packing: 1 pair

Packing: 1 set

Span width mm	Cat. No.
0-80	007.90.232

	Cat. No.
1 set = 8 pieces	007.90.240

Standard board carry handle



For panels and elements up to 40 mm

Packing: 1 pair

	Cat. No.
Standard board carry handle	007.90.205

→ Replacement rubber for
standard board carry handle

Packing: 3 pieces

	Cat. No.
Replacement rubber	007.90.170

Board carry handle, heavy-duty



For panels and elements up to 70 mm
Load bearing capacity: 120 kg per handle

Packing: 1 pair

	Cat. No.
Board carry handle, heavy-duty	007.90.250

→ Replacement rubber for
board carry handle, heavy-duty

Packing: 3 pieces

	Cat. No.
Replacement rubber	007.90.161

Board carry handle with clamps



For panels and elements up to 40 mm
Load bearing capacity: 80 kg per handle

Packing: 1 pair

	Cat. No.
Board carry handle with clamps	007.90.456

→ Replacement rubber for
board carry handle with clamps

Packing: 3 pieces

	Cat. No.
Replacement rubber	007.90.170

Gorilla Gripper Board carry handle



Extremely easy transport, even large panels, by one person, the special angular position protects arms, back, wrists and fingers, plastic, with non-slip handle and clamping mechanism, for panel thickness from 0.1 to 24 mm
Load bearing capacity: 55 kg

Packing: 1 piece

	Cat. No.
Gorilla Gripper	007.90.150

Quick-action strap



With lock buckle
Tensile strength: 400 d a N
Break strength: 800 d a N

Packing: 1 piece

Length m	Width mm	Cat. No.
5	25	008.54.679

Furniture lifting strap



Particularly suitable for carrying heavy loads due to its uniform load distribution, continuously adjustable

Packing: 1 piece

Length m	Cat. No.
3.8	008.54.420

Transport strap



With lever ratchet
Tensile strength: 1,000 d a N
Break strength: 2,000 d a N

Packing: 1 piece

Length m	Width mm	Cat. No.
6	35	008.54.651

Transport trolley with drawbar



Non-slip coated,
2 swivel castors, 2 fixed castors,
soft castors with diameter 100 mm,
collapsible and height adjustable drawbar,
integrated carrying handles.
Dimensions (L x W): 800 x 400 mm

Packing: 1 piece

Load bearing capacity kg	Cat. No.
300	007.80.015

Transport trolley with shock protection



Non-slip coated,
with 4 swivel castors (2 with brake),
suitable as a support for all common aluminium boxes,
water repellent
Load bearing capacity: 200 kg

Packing: 1 piece

Dimensions (L x W) mm	Cat. No.
520 x 320	007.80.016
710 x 310	007.80.014

Transport trolley with heavy duty castors with high load bearing capacity



Multiplex board
Dimensions (L x W): 575 x 295 mm

Packing: 1 piece

Load bearing capacity kg	Cat. No.
400	007.80.018

Transport trolley with soft castors



Non-slip coated,
4 soft castors for protecting sensitive floors
Dimensions (L x W): 575 x 295 mm

Packing: 1 piece

Load bearing capacity kg	Cat. No.
250	007.80.013

Painter's fleece cover, 3-layer, with anti-slip foil



Secure grip even on stairs, reinforced with a highly non-slip foil and PP spunbonded fabric, extremely absorbent, the fleece is lint-free and fibre-free, can be brushed and vacuumed, reusable
 Dimensions (W x L): 1 m x 50 m

Packing: 1 piece

	Cat. No.
Painter's fleece cover	007.81.181

Furniture blanket



Quality 300 NW
 (patchwork blanket, approx. 300 g/m², unhemmed)
 Dimensions (W x L): 1.5 m x 2 m

Packing: 1 or 10 pieces

	Cat. No.
Furniture blanket	007.80.101

Painter's fleece cover, 3 layers, with anti-slip foil, puncture-resistant



To protect high-quality floor covering during installation work
 3-layer, puncture resistant,
 can be brushed and vacuumed,
 reusable, can easily be cut to size,
 can be accessed by lift track/car/forklift,
 liquid-tight, i.e. protection against leakage
 Dimensions (W x L): 1 m x 25 m
 Weight: 850 g/m²

Packing: 1 piece

	Cat. No.
Painter's fleece cover	007.81.182

Industrial broom with handle



Saddle wood
Filaments: coconut

Packing: 1 piece

Width mm	Cat. No.
600	008.52.101

Dustpan



Dustpan: Metal black lacquered
Handle: wood

Packing: 1 piece

Width mm	Cat. No.
220	008.52.030

Street broom with handle



Saddle wood
Filaments: Elaston red, smooth, particularly strong

Packing: 1 piece

Width mm	Cat. No.
500	008.52.301

Industrial hand brush



Wood
Filaments: coconut, for coarse dirt

Packing: 1 piece

Length mm	Cat. No.
280	008.52.001

Street broom



With inset and scraper for removing dried soiling, broom and handle (Ø 22–28 mm) with screw thread connection, beech wood
Filaments: extra strong elastone bristles and soft PET insets
Dim. (L x W x H): 400 x 400 x 150 mm

Supplied with:
1 broom with handle

Packing: 1 piece

	Cat. No.
Street broom	008.52.303

Long handle hand brush



Wood
Filaments: coconut, for coarse dirt

Packing: 1 piece

Length mm	Cat. No.
450	008.52.000



PPE EQUIPMENT AND INDUSTRIAL HYGIENE

CONTENTS

PPE EQUIPMENT AND INDUSTRIAL HYGIENE

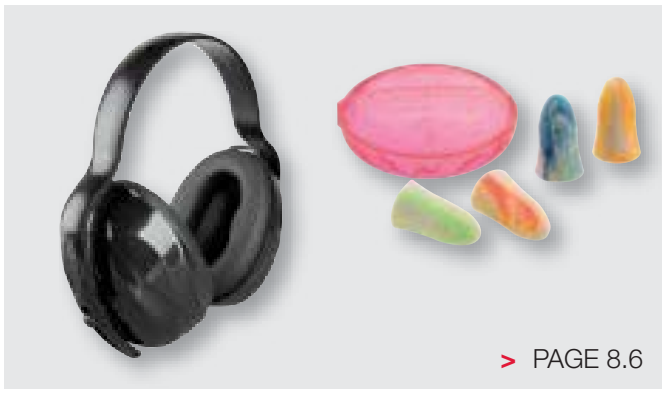
First aid



Respirators



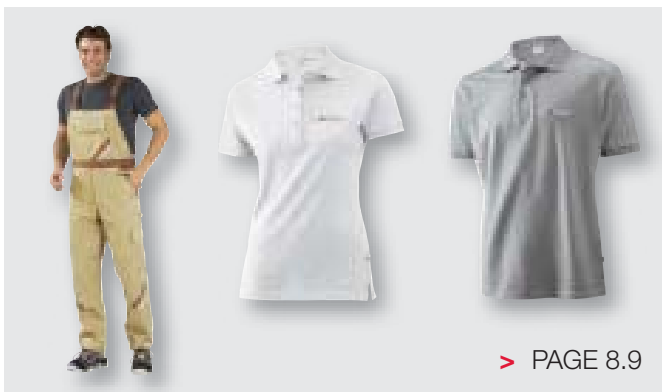
Hearing protection



Eye protection and cleaning



Workwear



Gloves and knee protection



First Aid bag



Coated nylon fabric, orange, **complies with DIN 13187 for motor cycles, fitters, other individuals**

Dimensions (W x H): 210 x 140 mm practical zip bag, lightweight and soft, little space requirement, "First aid" inscription

Supplied with:

- > aluderm® dressings
- > aluderm®-aluplast plaster
- > Adhesive plaster
- > Sterile dressing
- > Sirius foil emergency blanket
- > Protective gloves
- > First aid shears

Packing: 1 piece

	Cat. No.
Bag	007.50.120

First aid kit, specially for woodworkers



ABS plastic, orange, first aid kit tailored to occupational hazards with focus on woodworking in sawmills and in the furniture industry, for joiners, carpenters and wood turners, for whittlers, for wood restorers, basic equipment in compliance with DIN 13157, also tailored to occupational hazards with focus on woodworking, dressings mainly with aluminium vaporized wound pad, life time of sterile dressings 20 years, with screw tops, can be sealed with anti-tamper seal, "First aid" inscription and colour pictograms

Dim. (L x W x H): 400 x 300 x 150 mm with wall bracket

Packing: 1 piece

	Cat. No.
First aid kit, specially for woodworkers	007.50.100

Plaster for additional requirements



Supplementary to the first aid cupboard or as self-contained set at work, for household or hobby, plastic box with hinged transparent lid Dim. (L x W x H): 161 x 118 x 50 mm, frequently used plaster assortment, individually wrapped plaster

Supplied with:

- > Altogether 116 aluderm® aluplast plasters
- > Aluminium vaporized wound pad and BACTEKILLER against inflammation of the wound
- > Finger bandages
- > Fingertip and finger joint bandages
- > Plaster strips
- > Kids multicoloured plaster strips
- > Ready to use silk adhesive plaster strips

Packing: 1 piece

	Cat. No.
Plaster for additional requirements	007.50.130

Finger bandage



Reliable – easy – without adhesion.

"The quick plaster"
extremely elastic!, tears crossways! self-adherent!
Width: 25 mm
Length: 4 m

Packing: 1 piece

	Cat. No.
Finger bandage	007.50.133

Disposable fine-dust masks

Protection level	Explanation
FFP 1	For protection against non-toxic dusts and water and oil based aerosols; up to 4 times of the valid occupational exposure limit
FFP 2	For protection against harmful dusts, fumes and water and oil based aerosols; up to 10 times of the valid occupational exposure limit
FFP 3	For protection against harmful dusts, fumes and water and oil based aerosols, against cancer-causing and radioactive materials, against airborne biological agents belonging to risk group 3 and enzymes; up to 30 times of the valid occupational exposure limit
Specification D	These masks have all passed the optional Dolomite dust clogging test

Disposable fine-dust mas with valve



For particles of toxic, cancer-causing materials up to 30 times the valid occupational exposure limit, with comfortable sealing lip

Packing: 1 or 10 pieces

Degree of protection	Cat. No.
FFP3 D	007.48.281

Disposable fine-dust mask



For particles up to 4 times the valid occupational exposure limit

Packing: 1 or 20 pieces

Degree of protection	Cat. No.
FFP1 D	007.48.250

Disposable fine-dust mask



For particles of hazardous substances up to 10 times the valid occupational exposure limit

Packing: 1 or 20 pieces

Degree of protection	Cat. No.
FFP2 D	007.48.260

Disposable fine-dust mas with valve



For particles of hazardous substances up to 10 times the valid occupational exposure limit, with washable all-round sealing lip, reusable

Packing: 1 or 5 pieces

Degree of protection	Cat. No.
FFP2 D	007.48.291

Respirator, disposable half mask respirator

Protection against gas, mist and dust, mask body made from thermoplastic, skin-friendly TPE, exceptionally large field of vision provided by the flat, horizontally positioned filters allowing focused working, the fold flat filter technology reduces the breathing resistance by more than 50 % with better performance at the same time, resealable pack

Degree of protection: FFA2P3 RD
Standard: EN 405:2001+A1:2009

Packing: 1 piece

	Cat. No.
Disposable half mask respirator	007.48.570

Respirator, reusable half mask respirator

→ Replacement particle filter



Suitable for use as main filter and/or pre-filter in reusable half mask respirator (optional), special fold flat filter technology reduces the respiratory resistance and increases the filtering capacity of the particle filter

Packing: 2 pieces

Complete set with filters in practical respirator box, mask body made from thermoplastic, skin-friendly TPE, easy to maintain and clean without tools, with Easylock® filter system – easy, intuitive handling, harness can be fixed (optional)
Standard: tested and approved in compliance with EN 140:1998

Supplied with:

Mask body size M
2 particle filters P3R
2 gas filters A2
Respirator box

Packing: 1 piece

	Cat. No.
Reusable half mask respirator	007.48.550

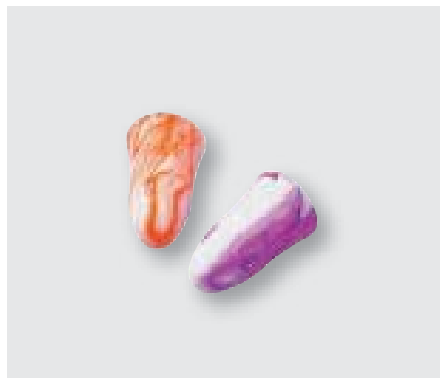
→ Replacement gas filter



Packing: 2 pieces

	Cat. No.
Class A2	007.48.562

Ear plugs



For work situations where constant ear protection is required
SNR value 35 dB
(general noise-reduction value)

Packing: 50 or 200 pairs

	Cat. No.
Ear plugs	007.49.220

Ear plugs with case



For situations where constant ear protection is required
SNR value 35 dB (general noise-reduction value), hygienic

Packing: 2 or 200 pairs

	Cat. No.
Ear plugs with case	007.49.222

Ear plugs with neck cord



For work situations where constant ear protection is required
SNR value 35 dB (general noise-reduction value), hygienic

Packing: 1 or 200 pairs

	Cat. No.
Ear plugs with neck cord	007.49.221

Ear plugs and holder



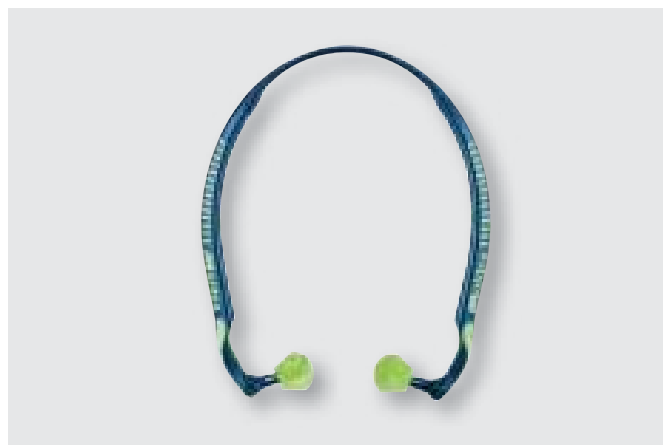
In practical dispenser at usage location – quick and hygienic

Comfortable PU ear plugs for situations where constant ear protection is required; easy to insert, soft wearing; anatomic shape; SNR value 35 dB

Contents: Dispenser: 250 pairs

	Packing pieces	Cat. No.
Holder	1	007.49.300
Ear plugs in dispenser	250	007.49.400

Band style hearing protector



SNR value 23 dB (general noise-reduction value), the dual material technology of the band reduces noise transmission considerably, with neck cord and 2 replacement ear plugs

Packing: 1 or 8 pieces

	Cat. No.
Band style hearing protector	007.49.202

→ Replacement ear plugs

Packing: 1 or 50 pairs

	Cat. No.
Replacement ear plugs	007.49.203

Ear defenders



→ Hygiene set



High-quality materials, extremely soft rubber foam and air cushions, low contact pressure, comfortable to wear

Packing: 1 piece

Replacement soft foam cushions and pads for earmuffs
Contents: 1 pair

Packing: 1 piece

Sound insulating value	Cat. No.	Version	Cat. No.
30 dB	007.49.150	For 30 dB	007.49.000
34 dB	007.49.160	For 34 and 35 dB	007.49.010
35 dB	007.49.170		

Ear defenders



Ideal protection when working with different levels of noise, Soft-Coat material, recessed grips make putting on and taking off easier, SNR value 28 dB

Packing: 1 piece

	Cat. No.
Ear defenders	007.49.230

Safety goggles

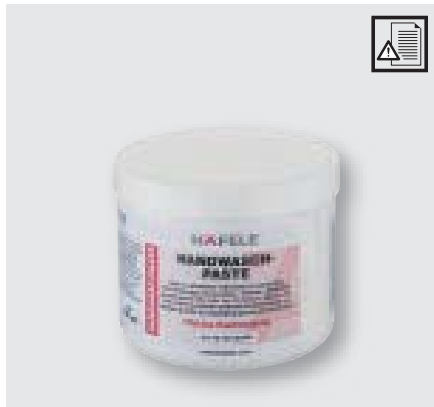


Conforms to CE EN 166 F, standard size, anti-fog polycarbonate lens, frame ends adjustable

Packing: 1 piece

Colour	Cat. No.
Black	007.48.002

Häfele Hand wash paste



For heavy soiling solvent-free, highly concentrated, good skin compatibility

Packing: 1 piece

Contents ml	Cat. No.
750	007.59.003

Hand cleaner



For intense soiling through paints, lacquers, resins, hardeners, adhesives, silicone, harmless solvents, pH value 5.6 (equal to the skin's pH balance)

Packing: 1 piece

Contents ml	Cat. No.
1,000	007.59.010

Häfele Universal wipes



Ideal for use on the building site, removes fresh paint, sealing agents, adhesives, bitumen, oil, grease and silicone rapidly and durably, particularly suitable for cleaning hands, tools and surfaces, removes pencil marks on coated surfaces

Packing: 1 piece

Contents	Cat. No.
80 wipes	007.59.201

Paper towels



White, 2-layer, ZZ fold
Dimensions (W x H): 230 x 250 mm

Supplied with:
15 packs of 250 sheets

Packing: 1 pack

	Cat. No.
Paper towels	007.59.111

→ Paper towel dispenser



Plastic, white with fixing material
Dimensions (W x D x H): 300 x 136 x 290 mm

Packing: 1 piece

	Cat. No.
Paper towel dispenser	007.59.100

Workwear

Workwear, attractive outfit,
durable workmanship

Body height	Chest	Waist	Ordering sizes	
171	92	80	46	S
174	96	84	48	M
177	100	88	50	M
180	104	92	52	L
182	108	98	54	L
184	112	102	56	XL
186	116	108	58	XL
187	120	112	60	XXL

Dungarees

Bib pocket,
clippy quick-action clasp,
elasticated straps,
waistband adjustable,
hip size adjustable,
2 inside pouches,
1 cargo leg pocket, 2 back pockets,
double rule pocket, knee pockets
for knee pads

40 % cotton , 60 % polyester
Sand/brown

Packing: 1 piece

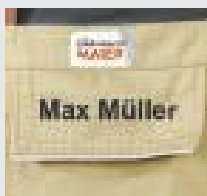
Size	Cat. No.
46	007.45.031
48	007.45.032
50	007.45.033
52	007.45.034
54	007.45.035
56	007.45.036
58	007.45.037
60	007.45.038

Dungarees with name or company logo

Like dungarees,
please specify size, name or company logo
(as file with RAL, HKS, etc. colour specification)

Packing: 1 piece

Size	Cat. No.
46-60	007.45.048

Dungarees with name and company logo

Like dungarees,
please specify size, name and company logo
(as file with RAL, HKS, etc. colour specification)

Packing: 1 piece

Size	Cat. No.
46-60	007.45.049

Waistband trousers



With elastic waistband,
2 inside pouches,
1 cargo leg pocket, 2 back pockets,
double rule pocket, knee pockets
for knee pads,
40 % cotton , 60 % polyester
sand/brown

Packing: 1 piece

Size	Cat. No.
46	007.45.011
48	007.45.012
50	007.45.013
52	007.45.014
54	007.45.015
56	007.45.016
58	007.45.017
60	007.45.018

Bermuda shorts



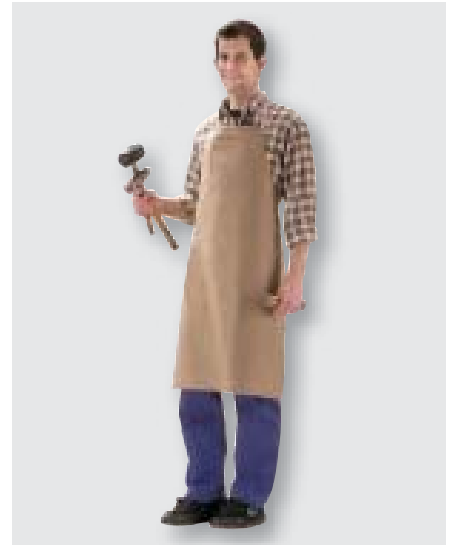
With elastic waistband,
reinforced back pockets,
1 cargo leg pocket,
double rule pocket,
40 % cotton, 60 % polyester
sand/brown

For hot days!

Packing: 1 piece

Size	Cat. No.
S	007.45.001
M	007.45.002
L	007.45.004
XL	007.45.006
XXL	007.45.008

Apron



With chest pocket,
35 % cotton , 65 % polyester,
260 g/m²
sand/brown

Packing: 1 piece

	Cat. No.
Apron	007.45.310

Knee pads



For waistband trousers and dungarees

Packing: 1 or 2 pieces

	Cat. No.
Knee pads for use with work trousers	007.45.029

Blouson jacket



2 chest pockets, pocket for mobile phone, 2-fold action back, waistband adjustable, arm cuffs adjustable
40 % cotton , 60 % polyester sand/brown

Packing: 1 piece

Size	Cat. No.
46	007.45.051
48	007.45.052
50	007.45.053
52	007.45.054
54	007.45.055
56	007.45.056
58	007.45.057
60	007.45.058

Blouson jacket with name and company logo



Like blouson jacket, please specify size, name and company logo (as file with RAL, HKS, etc. colour specification)

Packing: 1 piece

Size	Cat. No.
44-62	007.45.069

Blouson jacket with name or company logo



Like blouson jacket please specify size, name or company logo (as file with RAL, HKS, etc. colour specification)

Packing: 1 piece

Size	Cat. No.
44-62	007.45.068

Fleece jacket



With integrated insulation against cold
Windproof and water-repellent
Shell: Fleece 100% polyester
Lining: 100% Polyester camel/marine

Packing: 1 piece

Size	Cat. No.
S	007.45.090
M	007.45.091
L	007.45.092
XL	007.45.093
XXL	007.45.094

Winter jacket



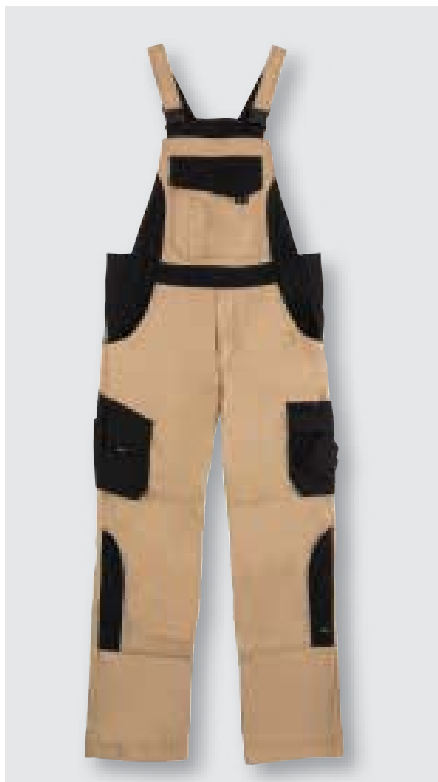
Seam-sealed, fleece collar, with hood in collar, reflective piping on the shoulders and pocket flaps, cordura reinforced crook of arm patch pocket for mobile phone, right, 2 lateral slit pockets, 2 chest pockets with flap and push-button closing, inside pocket with Velcro fastening, inner lining tufted,

concealed front zip, knitted sleeve cuffs and waistband khaki/black

Packing: 1 piece

Size	Cat. No.
S	007.45.080
M	007.45.081
L	007.45.082
XL	007.45.083
XXL	007.45.084

Dungarees



With 2 large side pockets, with 2 large back flap pockets, 1 rule pocket with pencil pockets on the right, leg pocket and pocket for mobile phone on the left, large flap pocket with pencil pockets and flap, pre-formed knee pad pockets, white contrasting tabs for reinforcing the pocket corners, reflective piping, strong suspender buckles, stretchable lateral wedges
Twill 65% cotton, 35% polyester (300 g/m²) beige/black

Packing: 1 piece

Size	Cat. No.
46	007.45.211
48	007.45.212
50	007.45.213
52	007.45.214
54	007.45.215
56	007.45.216
58	007.45.217
60	007.45.218

Waistband trousers



With 2 large back flap pockets, with 2 large side pockets, 1 rule pocket with pencil pocket on the right, leg pocket and pocket for mobile phone on the left, with reinforced pocket corners, reflective piping, with pre-formed knee pad pockets
Twill 65% cotton, 35% polyester (300 g/m²) beige/black

Packing: 1 piece

Size	Cat. No.
46	007.45.162
48	007.45.163
50	007.45.164
52	007.45.165
54	007.45.166
56	007.45.167
58	007.45.168
60	007.45.169

Bermuda shorts



With 2 large back flap pockets, with 2 large side pockets, 1 rule pocket with pencil pocket on the right, leg pocket and pocket for mobile phone on the left, with reinforced pocket corners and reflective piping
Twill 65% cotton, 35% polyester (300 g/m²) beige/black

Packing: 1 piece

Size	Cat. No.
46	007.45.170
48	007.45.171
50	007.45.172
52	007.45.173
54	007.45.174
56	007.45.175
58	007.45.176
60	007.45.177

Winter Softshell jacket

Breathable, windproof and waterproof (10,000 mm water column), the elastic material provides optimum movement of freedom, with waterproof zip and reflective piping, with 2 side pockets, 1 pocket for mobile phone and 1 inside pocket, with detachable hood with drawcord adjustment, with waistband adjustment

96 % polyester, 4% elastane (380 g/m²)

beige/black

Packing: 1 piece

Size	Cat. No.
S	007.45.141
M	007.45.142
L	007.45.143
XL	007.45.144
XXL	007.45.145

Work jacket

With 2 inside pockets, with 2 large side pockets with zip, with 2 chest flap pockets with Velcro fastening, with reinforced pocket corners, concealed front zip and reflective piping, with drawcord adjustment on waist and arm cuffs

Twill 65% cotton, 35% polyester (300 g/m²)

beige/black

Packing: 1 piece

Size	Cat. No.
S	007.45.231
M	007.45.232
L	007.45.233
XL	007.45.234
XXL	007.45.235

T-Shirt



With halter neck, with double-layered shoulder yoke for high wear resistance, with double seam on arm hole, suitable for dryer use, washable up to 60°C
100% cotton (180 g/m²)
black

Packing: 1 piece

Size	Cat. No.
S	007.44.281
M	007.44.282
L	007.44.283
XL	007.44.284
XXL	007.44.285

Sweatshirt



with front zip, with elastic rib cuffs, with practical double seam processing
70% cotton, 30% polyester
(300 g/m²)
titanium grey

Packing: 1 piece

Size	Cat. No.
S	007.45.251
M	007.45.252
L	007.45.253
XL	007.45.254
XXL	007.45.255

Sweatshirt



Arm and hem cuffs with elastane, thick roughened lining
Shell: 100% cotton
Lining: 80% cotton, 20% polyester
(total: 280 g/m²)
steel grey

Packing: 1 piece

Size	Cat. No.
S	007.44.271
M	007.44.272
L	007.44.273
XL	007.44.274
XXL	007.44.275

Häfele Polo shirt



Halter neck and double bar-tacked side slits
100% combed cotton pique

Packing: 1 piece

Size	Cat. No.
White	
S	007.44.055
M	007.44.056
L	007.44.057
XL	007.44.058
XXL	007.44.059
Titanium coloured	
S	007.44.060
M	007.44.061
L	007.44.062
XL	007.44.063
XXL	007.44.064

Safety shoes S3



For long-term use on hard running surfaces, outstanding mechanical resistance (abrasion, tear-resistance, perforation), comfortable to wear due to extra-soft texture, three-dimensional, micro-ventilated textile inner lining for good breathing activity and better ventilation, lightweight and flexible Germax® ZERO sole, ideal shock absorber in the heel for maximum wearing comfort

Uppers: Oiled, water-repellent 2.2 mm thick leather with textile inserts

Toecap: Made from lightweight polycarbonate, sole made from extruded polyurethane in double thickness

Standard: EN 20345:2011

Grade: S3

1,128 g (per pair with size 42)

Packing: 1 pair

Size	Cat. No.
41	007.47.930
42	007.47.931
43	007.47.932
44	007.47.933
45	007.47.934
46	007.47.935

Safety boots S3



For long-term use on hard running surfaces, ankle-high, outstanding mechanical resistance (abrasion, tear-resistance, perforation), comfortable to wear due to extra-soft texture, three-dimensional, micro-ventilated textile inner lining for good breathing activity and better ventilation, lightweight and flexible Germax® ZERO sole, ideal shock absorber in the heel for maximum wearing comfort

Uppers: Oiled, water-repellent 2.2 mm thick leather with textile inserts

Toecap: Made from lightweight polycarbonate, sole made from extruded polyurethane in double thickness

Standard: EN 20345:2011

Grade: S3

1,260 g (per pair with size 42)

Packing: 1 pair

Size	Cat. No.
41	007.47.940
42	007.47.941
43	007.47.942
44	007.47.943
45	007.47.944
46	007.47.945

Work socks



80% wool, 10% polyacrylic, 10% polyamide mottled grey

Packing: 1 pair

Size	Cat. No.
39-42	007.46.980
43-46	007.46.981

Disposable overall



Conform to CE Cat III microporous film membrane, elasticated waist and cuffs on arms and legs, three-piece leg gusset, double zip flap, breathable, antistatic, three-piece hood

100 % polypropylene white

Packing: 1 piece

Size	Cat. No.
M	007.45.301
L	007.45.302
XL	007.45.303
XXL	007.45.304
XXXL	007.45.305

Shoe cover



For "clean" appearance when visiting the customer

100 % polyethylene white

Packing: 10 pair

Size	Cat. No.
Standard size	007.47.419

Universal gloves



Split cowhide, grey, lined, conform to EN 388 CAT II

Packing: 1 or 10 pairs

Size	Cat. No.
10	007.51.001

Knitted winter gloves



Comfortable, warm, with maximum grip, yellow PA glove with black nitrile coating

Packing: 1 or 10 pairs

Size	Cat. No.
10	007.51.040

Häfele Nappa leather glove



High-quality nappa leather glove, with Velcro fastening at the wrist

Packing: 1 or 10 pairs

Size	Cat. No.
10	007.51.005

Nitrile glove



Nitrile, yellow, with knitted wrist, back of hand partially coated, tested to EN 388 Cat II mechanical hazards

Test results:

- Abrasion resistance: 3 of max. 4
- Blade cut resistance: 1 of max. 5
- Tear resistance: 1 of max. 4
- Puncture resistance: 1 of max. 4

Packing: 1 or 10 pairs

Size	Cat. No.
9	007.51.030

Polyamide, fine-knit glove



100 % polyamide , with polyurethane coating, dark grey, seamless, excellent fit, breathable, in compliance with EN 388

Packing: 1 or 10 pairs

Size	Cat. No.
9	007.51.087
10	007.51.088
11	007.51.089

Chemical resistant gloves



Uppers: Chloroprene rubber
Lining: Dense flocked cotton, black, resistant to many alkali, acids, oils and greases, with rough palm finish for secure grip
Standard: EN 388 CAT II, EN 374 CAT III
Length: 30 cm
Thickness: 0.7 mm

Packing: 1 pair

Size	Cat. No.
9	007.64.528

Latex disposable gloves



Latex, transparent, powder free, wearable on both sides, food safe

Packing: 1 box (100 pieces)

Size	Cat. No.
M	007.64.152
L	007.64.153
XL	007.64.154

Nitrile disposable gloves



Nitrile, blue, powder free, wearable on both sides, food safe

Packing: 1 box (100 pieces)

Size	Cat. No.
M	007.64.142
L	007.64.143
XL	007.64.144

Leather gloves, open fingertips



Tactile acuity remains!

Palm of hand: high-quality nappa leather, Back of hand: textile
Performance levels: 2-0-3-1 in compliance with EN 388

Packing: 1 or 10 pairs

Size	Cat. No.
9	007.51.007

Knee protectors



For comfortable working,
with super-gel knee pad inserts,
with adjustable Velcro tape straps

Packing: 1 pair

	Cat. No.
Knee protectors	007.46.502

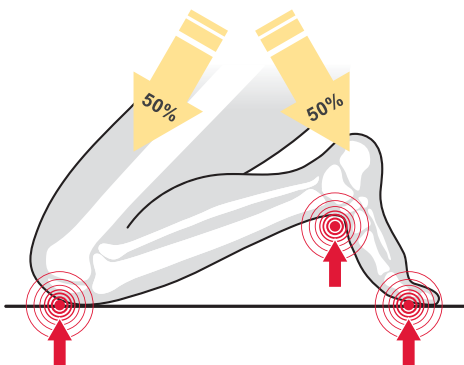
Kneefree® Kneepads



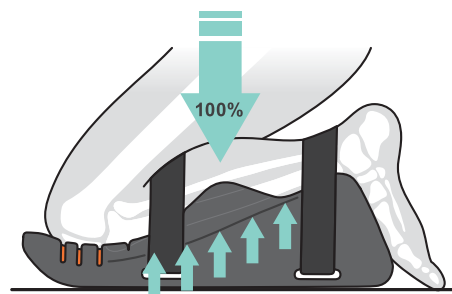
Relieves strain on knees,
tarsals and toes.
The ergonomic design disperses
the pressure onto the shinbone and
therefore protects the knees during
keeling work positions.

Weight: 400 g (pair)

Body weight distribution



Conventional kneepad:
On knees, ankles and toes



Kneefree® kneepad:
100 % on shin

Packing: 1 piece

	Cat. No.
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Lamello

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Marking gauge.....

Marking gauge

For Lamello Divario P-18

For Minifix drill hole

for housing

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008.52.000	7.22		010.91.005	1.18	011.20.538	1.28	013.14.950	1.29	014.70.686	1.8	
008.52.001	7.22		010.91.006	1.18	011.20.547	1.28	013.15.317	1.31	014.70.690	1.8	
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008.52.301	7.22		010.91.513	1.18		012.14.620	1.29	013.15.626	1.31	014.70.846	1.8
008.52.303	7.22		010.91.514	1.18		012.14.810	1.29	013.15.635	1.31	014.70.855	1.8
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008.54.651	7.19		010.91.516	1.18		012.14.908	1.29	013.15.724	1.31	014.70.873	1.8
008.54.679	7.19		010.96.066	1.18		012.14.908	1.29	013.15.733	1.31	014.70.882	1.8
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		015.31.899	1.4	015.39.868	1.7	015.46.086	1.14	015.46.516	1.15
		015.31.906	1.4	015.39.877	1.7	015.46.089	1.14	015.46.518	1.15
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		015.31.933	1.4	015.41.582	1.6	015.46.096	1.14	015.46.522	1.15
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		015.32.127	1.4	015.42.150	1.6	015.46.184	1.14	015.51.846	1.9
		015.32.136	1.4	015.42.169	1.6	015.46.188	1.14	015.51.855	1.9
		015.35.253	1.7	015.42.178	1.6	015.46.191	1.14	015.51.873	1.9
		015.35.333	1.7	015.42.187	1.6	015.46.214	1.14	015.51.882	1.9

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015.55.871	1.9	015.73.633	1.19			017.31.853	1.5	017.91.049	1.12
015.55.880	1.9	015.73.642	1.19			017.31.855	1.5	017.91.051	1.12
015.71.526	1.11	015.73.651	1.19			017.31.862	1.5	017.91.053	1.12
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015.71.544	1.11	015.73.688	1.19			017.31.880	1.5	017.91.073	1.12
015.71.553	1.11	015.73.697	1.19			017.31.899	1.5	017.91.075	1.12
015.71.571	1.11	015.73.820	1.19			017.31.906	1.5	017.91.076	1.12
015.71.624	1.11	015.73.839	1.19			017.31.933	1.5	017.91.079	1.12
015.71.633	1.11	015.73.848	1.19			017.31.942	1.5	017.91.081	1.12
015.71.642	1.11	015.73.857	1.19			017.31.951	1.5	017.91.083	1.12
015.71.651	1.11	015.73.866	1.19			017.31.960	1.5	017.91.084	1.12
015.71.679	1.11	015.73.875	1.19			017.31.988	1.5	017.91.085	1.12
015.71.688	1.11	015.73.884	1.19			017.31.997	1.5	017.91.086	1.12
015.71.697	1.11	015.73.928	1.19			017.32.074	1.5	017.91.106	1.12
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015.71.884	1.11	015.74.130	1.19			017.71.633	1.11	017.91.143	1.12

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017.91.316	1.13			018.00.176	1.20	018.00.493	1.21	018.20.143	1.23
017.91.317	1.13			018.00.179	1.20	018.00.494	1.21	018.20.145	1.23
017.91.318	1.13			018.00.181	1.20	018.00.495	1.21	018.20.146	1.23
017.91.320	1.13			018.00.183	1.20	018.00.518	1.21	018.20.149	1.23
017.91.321	1.13			018.00.184	1.20	018.00.520	1.21	018.20.151	1.23
017.91.343	1.13			018.00.185	1.20	018.00.521	1.21	018.20.153	1.23
017.91.344	1.13			018.00.186	1.20	018.00.522	1.21	018.20.154	1.23
017.91.345	1.13			018.00.187	1.20	018.00.523	1.21	018.20.155	1.23
017.91.346	1.13			018.00.211	1.20	018.00.525	1.21	018.20.156	1.23
017.91.347	1.13			018.00.213	1.20	018.00.527	1.21	018.20.173	1.23
017.91.348	1.13			018.00.214	1.20	018.00.528	1.21	018.20.175	1.23
017.91.350	1.13			018.00.215	1.20	018.00.529	1.21	018.20.176	1.23
017.91.351	1.13			018.00.216	1.20	018.00.530	1.21	018.20.179	1.23
017.91.352	1.13			018.00.217	1.20	018.00.531	1.21	018.20.181	1.23
017.91.353	1.13			018.00.391	1.21	018.20.003	1.23	018.20.183	1.23
017.91.355	1.13			018.00.393	1.21	018.20.050	1.23	018.20.184	1.23
017.91.376	1.13			018.00.394	1.21	018.20.051	1.23	018.20.185	1.23
017.91.378	1.13			018.00.396	1.21	018.20.052	1.23	018.20.186	1.23

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018.00.000	1.20
018.00.001	1.20
018.00.004	1.20
018.00.006	1.20
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018.00.091	1.20
018.00.093	1.20
018.00.094	1.20
018.00.095	1.20
018.00.096	1.20



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018.20.206	1.23	018.50.216	1.24	018.50.493	1.25	018.51.424	1.25	018.51.531	1.25
018.20.209	1.23	018.50.218	1.24	018.50.495	1.25	018.51.425	1.25	018.51.532	1.25
018.20.211	1.23	018.50.224	1.24	018.50.516	1.25	018.51.426	1.25	018.51.533	1.25
018.20.213	1.23	018.50.226	1.24	018.50.518	1.25	018.51.427	1.25	018.51.534	1.25
018.20.214	1.23	018.50.229	1.24	018.50.520	1.25	018.51.428	1.25	018.51.535	1.25
018.20.218	1.23	018.50.231	1.25	018.50.521	1.25	018.51.429	1.25	018.51.536	1.25
018.40.155	1.22	018.50.233	1.25	018.50.522	1.25	018.51.430	1.25	018.70.051	1.27
018.40.157	1.22	018.50.364	1.25	018.50.523	1.25	018.51.446	1.24	018.70.053	1.27
018.40.161	1.22	018.50.384	1.24	018.50.524	1.25	018.51.449	1.24	018.70.055	1.27
018.40.188	1.22	018.50.386	1.24	018.50.525	1.25	018.51.451	1.25	018.70.056	1.27
018.40.191	1.22	018.50.389	1.24	018.50.527	1.25	018.51.453	1.25	018.70.059	1.27
018.50.051	1.24	018.50.391	1.25	018.50.528	1.25	018.51.454	1.25	018.70.061	1.27
018.50.061	1.24	018.50.393	1.25	018.50.529	1.25	018.51.455	1.25	018.70.081	1.27
018.50.083	1.24	018.50.394	1.25	018.50.531	1.25	018.51.456	1.25	018.70.083	1.27
018.50.091	1.24	018.50.395	1.25	018.50.533	1.25	018.51.458	1.25	018.70.084	1.27
018.50.093	1.24	018.50.396	1.25	018.50.534	1.25	018.51.460	1.25	018.70.086	1.27
018.50.094	1.24	018.50.421	1.25	018.50.535	1.25	018.51.461	1.25	018.70.089	1.27
018.50.095	1.24	018.50.423	1.25	018.50.536	1.25	018.51.481	1.25	018.70.091	1.27
018.50.113	1.24	018.50.424	1.25	018.50.537	1.25	018.51.483	1.25	018.70.093	1.27
018.50.114	1.24	018.50.425	1.25	018.51.221	1.24	018.51.484	1.25	018.70.094	1.27
018.50.116	1.24	018.50.426	1.25	018.51.222	1.24	018.51.485	1.25	018.70.111	1.27
018.50.119	1.24	018.50.428	1.25	018.51.223	1.24	018.51.486	1.25	018.70.113	1.27
018.50.121	1.24	018.50.430	1.25	018.51.224	1.24	018.51.487	1.25	018.70.114	1.27
018.50.123	1.24	018.50.431	1.25	018.51.225	1.24	018.51.488	1.25	018.70.116	1.27
018.50.124	1.24	018.50.451	1.25	018.51.226	1.24	018.51.490	1.25	018.70.119	1.27
018.50.125	1.24	018.50.453	1.25	018.51.229	1.24	018.51.491	1.25	018.70.121	1.27
018.50.126	1.24	018.50.454	1.25	018.51.231	1.25	018.51.493	1.25	018.70.123	1.27
018.50.146	1.24	018.50.455	1.25	018.51.233	1.25	018.51.495	1.25	018.70.124	1.27
018.50.149	1.24	018.50.456	1.25	018.51.234	1.25	018.51.514	1.25	018.70.125	1.27
018.50.153	1.24	018.50.458	1.25	018.51.384	1.24	018.51.516	1.25	018.70.143	1.27
018.50.154	1.24	018.50.460	1.25	018.51.386	1.24	018.51.518	1.25	018.70.144	1.27
018.50.155	1.24	018.50.461	1.25	018.51.389	1.24	018.51.520	1.25	018.70.145	1.27
018.50.156	1.24	018.50.481	1.25	018.51.391	1.25	018.51.521	1.25	018.70.146	1.27
018.50.158	1.24	018.50.483	1.25	018.51.393	1.25	018.51.522	1.25	018.70.149	1.27
018.50.176	1.24	018.50.484	1.25	018.51.394	1.25	018.51.523	1.25	018.70.151	1.27
018.50.179	1.24	018.50.485	1.25	018.51.395	1.25	018.51.524	1.25	018.70.153	1.27
018.50.181	1.24	018.50.486	1.25	018.51.396	1.25	018.51.525	1.25	018.70.154	1.27
018.50.183	1.24	018.50.487	1.25	018.51.413	1.24	018.51.526	1.25	018.70.155	1.27
018.50.184	1.24	018.50.488	1.25	018.51.416	1.24	018.51.527	1.25	018.70.156	1.27
018.50.185	1.24	018.50.490	1.25	018.51.419	1.24	018.51.528	1.25	018.70.174	1.27
018.50.186	1.24	018.50.491	1.25	018.51.421	1.25	018.51.529	1.25	018.70.175	1.27



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037.01.022	1.40	039.35.061	2.53	045.04.107	1.33	045.26.400	1.34	045.36.120	1.33
037.03.000	1.40	039.35.064	2.53	045.04.303	1.33	045.26.500	1.34	045.36.121	1.33
037.03.010	1.40	O42		045.04.401	1.33	045.26.600	1.34	045.36.315	1.33
037.03.020	1.40	042.97.001	2.52	045.04.471	1.33	045.29.100	1.35	045.36.320	1.33
037.03.030	1.40	042.98.033	2.52	045.04.509	1.33	045.29.300	1.35	045.36.325	1.33
037.03.400	1.40	042.98.051	2.52	045.04.527	1.33	045.29.400	1.35	045.36.515	1.33
037.03.410	1.40	042.98.060	2.52	045.04.620	1.33	045.30.000	1.35	045.36.520	1.33
037.20.903	1.42	O45		045.04.705	1.33	045.30.100	1.35	045.36.715	1.33
037.20.904	1.42	045.00.136	1.37	045.20.102	1.37	045.30.300	1.35	045.36.720	1.33
037.20.905	1.42	045.00.145	1.37	045.20.502	1.37	045.30.400	1.35	045.36.725	1.33
037.20.906	1.42	045.00.158	1.37	045.20.702	1.37	045.30.500	1.35	O51	
037.20.908	1.42	045.00.159	1.37	045.23.010	1.34	045.31.000	1.36	051.14.005	2.17
037.20.910	1.42	045.00.160	1.37	045.23.060	1.34	045.31.100	1.36	051.14.006	2.17
037.20.912	1.42	045.00.181	1.37	045.23.070	1.34	045.31.300	1.36	051.14.007	2.17
037.21.906	1.42	045.00.234	1.37	045.23.230	1.34	045.31.400	1.36	051.14.008	2.17
037.21.908	1.42	045.00.243	1.37	045.23.250	1.34	045.31.500	1.36	051.14.009	2.17
037.21.910	1.42	045.00.332	1.37	045.23.260	1.34	045.32.010	1.35	051.14.010	2.17
037.22.904	1.42	045.00.341	1.37	045.23.270	1.34	045.32.110	1.35	051.14.011	2.17
037.22.905	1.42	045.00.358	1.37	045.23.300	1.34	045.32.310	1.35	051.40.009	2.16
037.22.906	1.42	045.00.359	1.37	045.23.310	1.34	045.32.320	1.35	051.40.018	2.16
037.22.908	1.42	045.00.360	1.37	045.23.410	1.34	045.32.410	1.35	051.40.027	2.16
037.22.909	1.42	045.00.387	1.37	045.23.470	1.34	045.32.510	1.35	051.40.036	2.16
037.40.906	1.42	045.00.529	1.37	045.23.480	1.34	045.33.010	1.36	051.40.045	2.16
037.40.908	1.42	045.00.534	1.37	045.23.500	1.34	045.33.050	1.36	051.40.027	2.16
O39		045.00.540	1.37	045.23.700	1.34	045.33.060	1.36	051.40.036	2.16
039.00.061	2.50	045.00.559	1.37	045.23.750	1.34	045.33.070	1.36	051.40.045	2.16
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039.33.042	2.51	045.00.743	1.37	045.24.100	1.34	045.33.310	1.36	051.43.002	2.8
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039.33.060	2.51	045.00.760	1.37	045.24.500	1.34	045.33.360	1.36	051.43.004	2.8
039.33.140	2.51	045.00.789	1.37	045.24.600	1.34	045.33.370	1.36	051.43.005	2.8
039.33.186	2.51	045.03.020	1.33	045.24.600	1.34	045.33.370	1.36	051.43.006	2.8
039.33.239	2.51	045.03.128	1.33	045.25.010	1.34	045.33.410	1.36	051.43.008	2.8
039.33.266	2.51	045.03.320	1.33	045.25.300	1.34	045.33.450	1.36	051.43.011	2.8
039.33.364	2.51	045.03.726	1.33	045.25.310	1.34	045.33.460	1.36	051.43.022	2.9
				045.25.410	1.34	045.33.470	1.36	051.43.023	2.9
				045.25.500	1.34	045.33.510	1.36	051.43.024	2.9
				045.25.700	1.34	045.33.550	1.36	051.43.025	2.9
				045.26.000	1.34	045.33.560	1.36	051.43.026	2.9



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051.43.028	2.9	051.63.002	2.13	051.73.087	2.24	070.05.022	2.57		262.48.000	2.28	
051.45.004	2.50	051.64.901	2.44	051.73.095	2.24	070.05.032	2.57		262.48.091	2.28	
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051.46.902	2.43	051.64.904	2.44	051.73.098	2.24	070.05.052	2.56		262.49.351	2.37	
051.46.903	2.43	051.64.905	2.44	051.73.099	2.24	070.05.053	2.56		262.49.353	2.37	
051.46.904	2.43	051.64.906	2.44	051.73.101	2.22	070.05.054	2.56		262.49.355	2.37	
051.46.905	2.43	051.64.907	2.44	051.73.109	2.22	070.05.055	2.56		262.49.356	2.37	
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051.46.907	2.43	051.65.908	2.45	051.80.003	2.15	070.05.102	2.56		262.49.358	2.35	
051.47.042	2.47	051.65.909	2.45	051.80.004	2.15	070.05.103	2.56	262.49.359	2.35		
051.47.052	2.47	051.65.910	2.45	051.80.005	2.15	070.05.104	2.56	262.49.360	2.34		
051.48.001	2.7	051.67.021	2.21	051.80.006	2.15	070.07.901	2.58	262.49.365	2.34		
051.48.002	2.7	051.67.025	2.21	051.80.007	2.15	070.07.914	2.58	262.49.366	2.34		
051.48.003	2.7	051.67.030	2.21	051.80.010	2.15	070.07.990	2.57	262.49.367	2.35		
051.48.004	2.7	051.68.001	2.14	051.80.100	2.11	070.07.991	2.58	262.49.368	2.35		
051.48.005	2.7	051.68.002	2.14	051.81.010	2.15	079		262.49.369	2.35		
051.48.010	2.7	051.69.000	2.12	051.81.020	2.15		079.00.041	7.16	262.49.370	2.35	
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051.50.901	2.43	051.70.002	2.4	051.93.012	2.44	079.00.043	7.16	262.50.358	2.39		
051.50.902	2.43	051.70.003	2.4	051.93.013	2.44	260		262.50.359	2.39		
051.50.903	2.43	051.70.004	2.4	051.93.014	2.44		260.20.011	2.55	262.50.368	2.38	
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051.50.906	2.43	051.70.011	2.5		057.02.912		2.46	260.21.509	2.55	262.50.391	2.38
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051.51.001	2.8	051.70.014	2.5	057.05.908	2.47		260.28.002	2.55	262.51.390	2.36	
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051.52.205	2.19	051.70.033	2.6	057.08.912	2.47	260.28.005	2.55	262.62.501	2.42		
051.54.020	2.18	051.70.034	2.6	057.08.913	2.47	260.28.902	2.55	262.62.520	2.42		
051.54.021	2.18	051.71.972	2.20	070		260.28.904	2.55	262.62.990	2.42		
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051.54.023	2.18	051.71.974	2.20		070.00.913	2.54	260.28.906	2.55	262.76.700	2.51	
051.54.024	2.18	051.71.975	2.20	070.00.914	2.54	260.28.908	2.55	262.86.190	1.37		
051.54.025	2.18	051.71.976	2.20	070.00.920	2.54	260.28.910	2.55	262.86.390	1.37		
051.54.026	2.18	051.71.977	2.20	070.00.921	2.54	261		262.86.790	1.37		
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051.55.001	2.22	051.73.032	2.25	070.05.020	2.57						
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264.37.196	1.46	267.76.110	2.26	267.82.450	2.27	372.34.050	5.34	910.54.988	5.14
264.39.192	1.46	267.76.114	2.26	267.82.460	2.27	372.37.050	5.33	916	
264.42.091	1.46	267.76.118	2.26	267.82.610	2.27	372.64.893	5.34	916.99.013	4.9
264.42.180	1.46	267.76.122	2.26	267.82.612	2.27	372.74.579	5.40		
264.42.190	1.46	267.76.130	2.26	267.82.615	2.27	372.91.023	5.33		
264.42.291	1.46	267.76.140	2.26	267.90.000	2.27	423			
264.43.091	1.46	267.76.150	2.26	267.90.004	2.27	423.53.006	5.41		
264.43.111	1.46	267.76.160	2.26	267.90.010	2.27	423.53.035	5.40		
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264.43.600	1.46	267.76.212	2.26	267.91.121	2.29	553.69.039	5.35		
264.47.111	1.46	267.76.214	2.26	267.91.122	2.29	554			
264.47.191	1.46	267.76.216	2.26	267.91.127	2.30	554.99.910	5.41		
264.52.190	1.46	267.76.218	2.26	267.91.128	2.32	554.99.911	5.41		
264.53.190	1.46	267.76.221	2.26	267.91.130	2.30	555			
264.70.160	1.44	267.76.222	2.26	267.91.133	2.26	555.08.100	5.42		
264.70.750	1.44	267.76.225	2.26	267.91.136	2.30	555.08.103	5.42		
264.70.760	1.44	267.76.232	2.26	267.91.138	2.30	555.08.130	5.42		
264.70.760	1.44	267.76.232	2.26	267.91.151	2.31	783			
264.70.770	1.44	267.76.238	2.26	267.91.152	2.31	783.53.001	2.41		
264.70.971	1.44	267.76.246	2.26	267.91.155	2.32	783.53.006	2.41		
264.71.760	1.44	267.76.260	2.26	267.91.159	2.31	783.53.011	2.41		
264.71.790	1.44	267.76.313	2.26	267.91.172	2.29	783.53.951	2.40		
264.73.150	1.44	267.76.315	2.26	267.91.180	2.30	783.53.956	2.40		
264.73.750	1.44	267.76.317	2.26	267.91.186	2.30	910			
264.74.762	1.45	267.76.319	2.26	267.91.188	2.30	910.54.974	5.13		
264.75.162	1.45	267.76.325	2.26	267.91.192	2.31	910.54.975	5.13		
264.75.762	1.45	267.76.332	2.26	267.91.195	2.32	910.54.976	5.13		
264.81.014	1.45	267.82.026	2.27	290		910.54.980	5.14		
264.81.030	1.45	267.82.125	2.27	290.50.720	2.46	910.54.981	5.14		
264.82.014	1.45	267.82.130	2.27	290.50.730	2.46				
264.82.020	1.45	267.82.140	2.27	290.51.720	2.46				
264.83.920	1.45	267.82.227	2.27	290.51.730	2.46				
264.83.921	1.45	267.82.230	2.27	290.53.000	2.46				
264.98.922	1.44	267.82.235	2.27	356					
264.98.935	1.44	267.82.240	2.27	356.08.959	5.39				
264.98.940	1.44	267.82.248	2.27	356.14.590	5.39				
264.98.945	1.44	267.82.250	2.27						
264.98.960	1.44	267.82.330	2.27						
264.98.980	1.44	267.82.340	2.27						

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