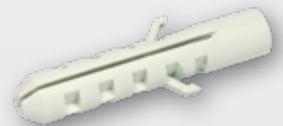
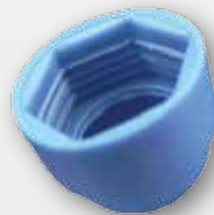


HAWI

CATALOG



PORTRAIT

For a quick overview, we have summarised below the most important information about our company in bullet points. Further information is available on our internet page: www.ha-wi.com

Company

- Plastics-processing firm
- 50 year market presence
- Located at Bad Laasphe since 1972
- Company that takes on trainees
- Around 50 qualified members of staff

Production / Services

- 50 injection moulding machines (220-5,000 kN)
- Around 7,000 m² production area
- Operating 3-shifts
- Own tool manufacturing
- Own colour laboratory
- 3D CAD / CAM
- Consulting and project management
- Assembly mounting
- Surface refinements
- Logistic services

Produkte / Sparten

- Own range
- Customer-specific, technical parts
- BAKRA® quick clamping systems

Customers and industrial sectors

- Key customers, dealers, system suppliers
- Germany, Europe and worldwide
- Industrial sectors
- Construction and furniture industry, Fastening systems
- Electrical industry, Machine building industry
- Automotive industry, Vehicle manufacturing
- Weaponry, Consumer goods

Quality

- ISO 9001:2008 certified
- AEO-F certified

You can find us here



Business hours

- Monday to Thursday
8 a.m. - 12 noon and 1 p.m. - 4 p.m.
- Friday 8 a.m. - 12 noon

Our company is situated in a suburb close to Bad Laasphe. The town of Bad Laasphe is situated in the upper Lahn valley in the district of Siegen-Wittgenstein, in the eastern part of NRW.

HA-WI Kunststoffe GmbH & Co. KG

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57334 Bad Laasphe
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Fax: +49 (0) 2754 8119
E-mail: info@ha-wi.com
www.ha-wi.com

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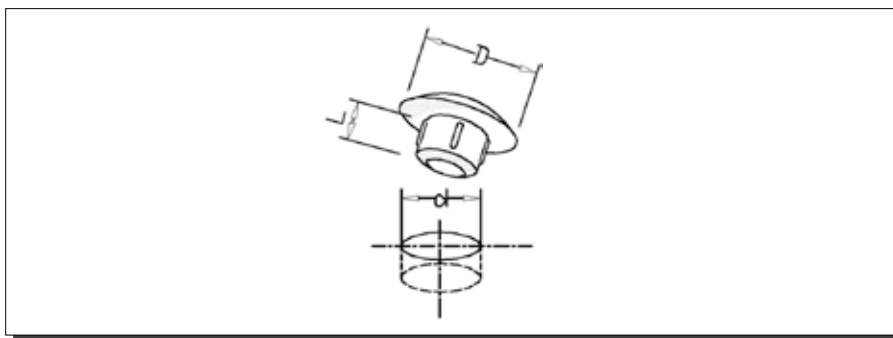
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COVER CAPS

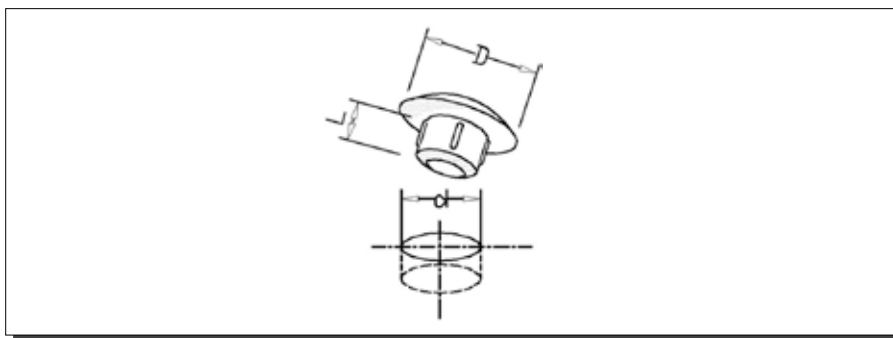


- with half round head and hollow shaft for the plugging of blind holes

ARTICLE	MATERIAL	D	d	L	NOTE
12456	PE	8,0	3,0	6,0	
12470	PE	6,4	4,0	5,3	
12453	PE	8,0	4,0	3,0	
12310	PE	10,0	4,0	5,3	
11655	PE	13,0	4,0	5,3	
10040	PE	19,0	4,0	6,0	flat head
12455	PE	8,0	4,1	7,0	
11645	PE	13,0	4,5	4,0	
11002	PE	15,0	4,5	6,0	
12462	PE	6,0	5,0	6,0	
12460	PE	6,6	5,0	5,5	
12451	PE	8,0	5,0	5,0	
12450	PE	8,0	5,0	5,5	
12300	PE	10,0	5,0	5,5	
11651	PE	13,0	5,0	4,0	
11650	PE	13,0	5,0	5,5	
11001	PE	15,0	5,0	5,5	
10004	PE	20,0	5,0	7,5	
12461	PE	6,6	5,2	3,0	
11600	PE	13,0	5,2	7,0	
10991	PE	15,0	5,2	6,0	
12401	PE	8,0	5,4	7,4	
12250	PE	10,0	5,4	7,4	
11550	PE	13,0	5,4	7,4	
11000	PE	15,0	5,4	7,4	
12400	PE	8,0	5,5	5,6	
12200	PE	10,0	5,5	5,6	
11656	PE	12,0	5,5	5,6	
10990	PE	15,0	5,5	5,6	

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COVER CAPS



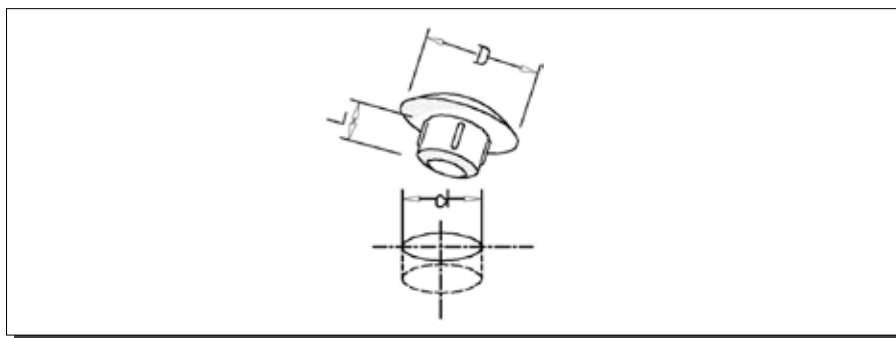
- with half round head and hollow shaft for the plugging of blind holes

COVER CAPS

ARTICLE	MATERIAL	D	d	L	NOTE
12345	PE	8,0	6,0	4,0	
12350	PE	8,0	6,0	5,4	
12150	PE	10,0	6,0	5,4	
12151	PE	10,0	6,0	5,4	2.2 mm head height
11657	PE	11,0	6,0	6,0	
11451	PE	12,0	6,0	7,0	filled shaft
11450	PE	13,0	6,0	5,4	
10950	PE	15,0	6,0	5,4	
12315	PE	9,5	6,5	8,0	no clamping ribs
11400	PE	13,0	6,6	7,4	
10905	PE	15,0	6,6	7,0	
12100	PE	10,0	7,0	3,9	
12050	PE	10,0	7,0	6,5	
11350	PE	13,0	7,0	6,5	
10900	PE	15,0	7,0	6,5	
10550	PE	16,0	7,0	6,5	
10002	PE	20,0	7,0	7,5	
12105	PE	10,0	7,2	2,0	
10043	PE	19,0	7,6	6,0	flat head
11305	PE	13,0	7,9	6,0	
12000	PE	10,0	8,0	6,3	
11302	PE	13,0	8,0	4,0	
11300	PE	13,0	8,0	5,8	
21581	PE	15,0	8,0	3,0	structured
10850	PE	15,0	8,0	6,6	
10500	PE	16,0	8,0	6,3	
10505	PE	17,0	8,0	6,3	
21580	PE	12,5	8,5	3,5	shiny
11250	PE	13,0	8,5	6,9	

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COVER CAPS



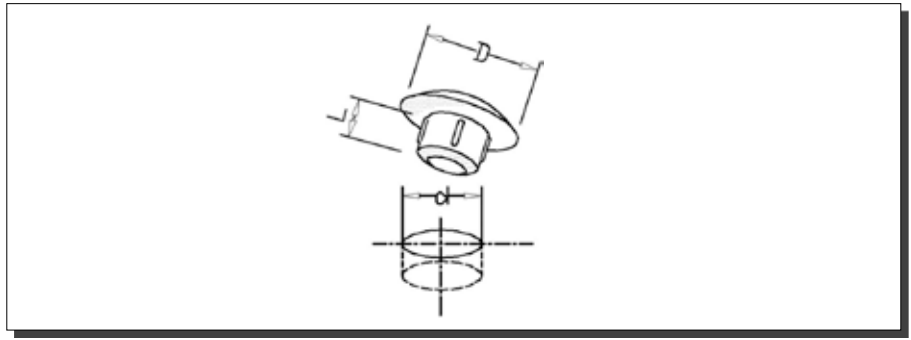
- with half round head and hollow shaft for the plugging of blind holes

ARTICLE	MATERIAL	D	d	L	NOTE
10800	PE	15,0	8,5	6,9	
10450	PE	16,0	8,5	6,9	
11658	PE	12,0	9,0	6,4	
11200	PE	13,0	9,0	6,4	
10750	PE	15,0	9,0	6,4	
10400	PE	16,0	9,0	6,4	
10501	PE	16,0	9,0	6,7	
9830	PE	28,0	9,5	9,0	
11660	PE	12,0	10,0	6,7	
11150	PE	13,0	10,0	3,0	
11140	PE	13,0	10,0	4,0	
11100	PE	13,0	10,0	6,7	
11102	PE	13,0	10,0	6,7	flat head
10700	PE	15,0	10,0	6,7	
10350	PE	16,0	10,0	6,7	
11050	PE	13,0	10,5	4,0	strongly concave
11051	PE	13,0	10,5	4,0	
11045	PE	13,0	11,0	3,2	
11040	PE	13,0	11,0	5,0	
10650	PE	15,0	11,0	5,0	
10290	PE	16,0	11,0	3,0	
10300	PE	16,0	11,0	5,0	
10600	PE	15,0	12,0	8,4	
10601	PE	15,0	12,0	11,6	
10260	PE	16,0	12,0	3,0	
10291	PE	16,0	12,0	5,0	
10150	PE	18,0	12,0	8,4	
10020	PE	19,0	12,0	3,4	
10200	PE	16,0	13,0	8,5	

COVER CAPS

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COVER CAPS

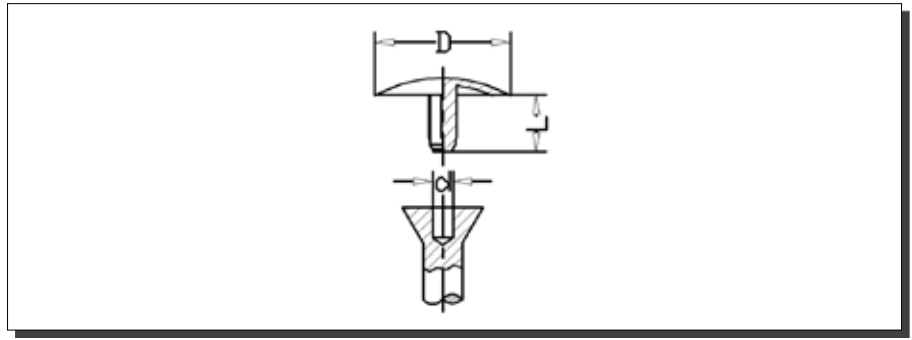


- with half round head and hollow shaft for the plugging of blind holes

COVER CAPS

ARTICLE	MATERIAL	D	d	L	NOTE
10165	PE	17,0	13,0	8,5	flat head
10006	PE	19,0	13,0	6,0	
10100	PE	18,0	14,0	7,0	
10162	PE	17,0	15,0	3,0	
10160	PE	17,0	15,0	9,0	flat head
10090	PE	18,0	15,0	1,4	
10005	PE	19,0	15,0	3,0	
10007	PE	19,0	15,0	6,0	
10003	PE	19,0	15,0	9,0	
10012	PP	19,0	15,0	9,0	
10001	PE	20,0	15,0	3,0	
10000	PE	20,0	15,0	4,0	
10010	PE	19,0	15,5	4,5	
10016	PE	18,6	15,8	6,5	
10008	PE	19,0	17,0	6,0	
9850	PE	24,5	17,0	5,8	
9820	PE	28,0	18,3	6,0	
9904	PE	23,0	20,0	3,0	
9900	PE	23,0	20,0	10,0	flat head
9790	PE	28,0	20,4	4,8	
9800	PE	28,0	20,8	4,8	
9751	PE	30,0	25,0	4,7	
9905	PE	50,0	37,2	10,5	

DECORATIVE CAPS

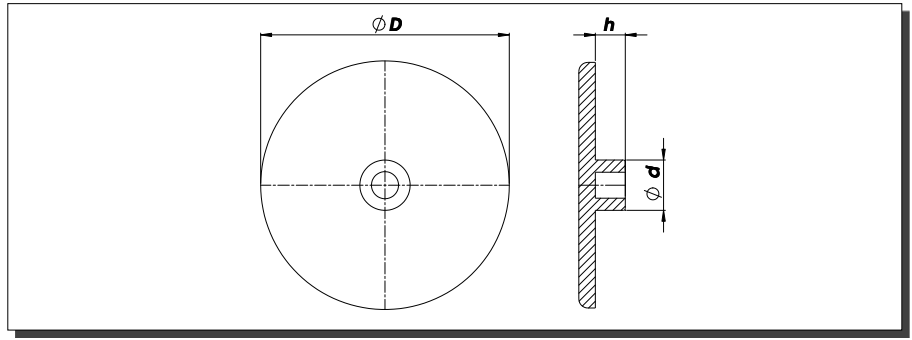
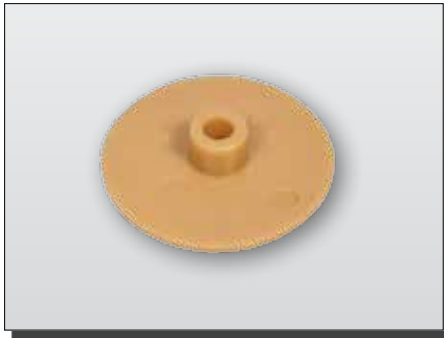


- for covering metal screws with drilled head

ARTICLE	MATERIAL	D	d	L	NOTE
13353	PE	12,0	2,2	5,0	
13250	PE	13,5	2,4	5,0	
13450	PE	10,0	2,5	5,0	
13347	PE	12,0	2,5	3,5	
13348	PE	12,0	2,5	3,5	
13349	PE	12,0	2,5	2,1	
13350	PE	12,0	2,5	5,0	
13200	PE	15,0	2,5	5,0	
13351	PE	12,0	2,6	3,5	
13500	PP	5,8	2,8	7,0	
13360	PE	11,0	2,8	4,8	
13420	PE	10,0	3,0	4,5	
13421	PE	10,0	3,0	3,0	
13300	PE	12,0	3,0	5,5	
13301	PE	12,0	3,0	6,0	
13100	PE	15,0	3,0	7,0	
13150	PE	15,0	3,0	6,0	
13000	PE	18,0	3,0	9,0	
13001	PE	18,0	3,0	9,0	
13950	PE	12,0	3,1	1,8	
13955	PE	12,0	3,6	2,5	
13970	PE	15,0	3,6	2,5	

DECORATIVE CAPS

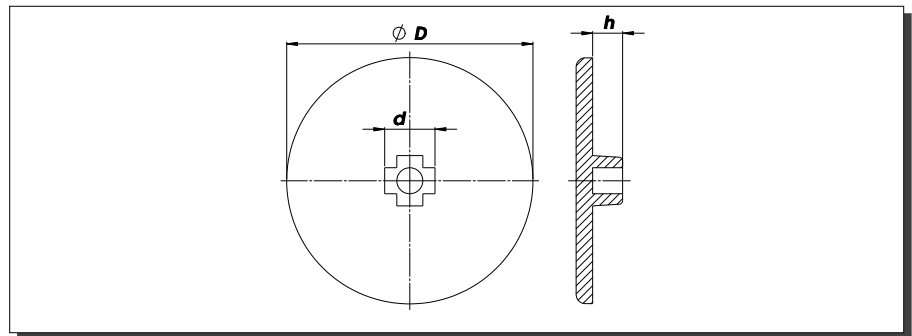
DECORATIVE CAPS



- for covering metal internal hexagon screws

DECORATIVE CAPS

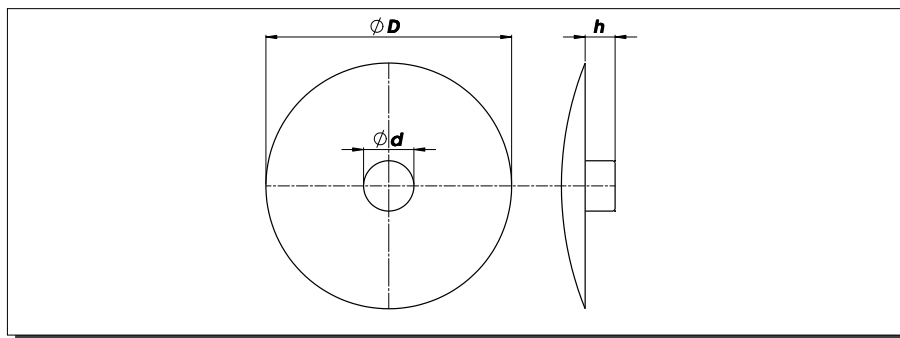
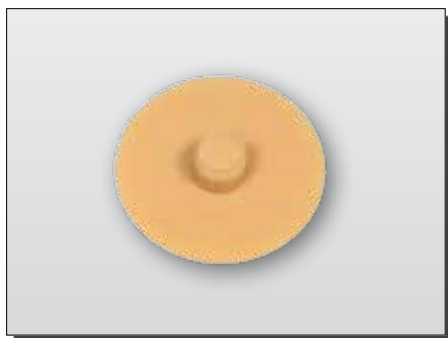
ARTICLE	MATERIAL	D	d	h	NOTE
21350	PE	16,5	4,0	3,0	
21340	PE	15,5	4,2	3,0	
14000	PE	18,0	4,2	2,9	
14050	PE	18,0	4,2	5,0	
14048	PE	18,0	4,3	3,5	
14049	PE	18,0	4,4	5,5	
14070	PE	17,0	5,0	5,0	
14051	PE	18,0	5,3	4,0	
14080	PE	18,0	8,0	6,3	



- for covering metal internal hexagon screws

ARTICLE	MATERIAL	D	d	h	NOTE
14010	PE	18,0	6,2	2,0	
14002	PE	18,0	6,2	2,1	
14001	PE	18,0	6,2	3,3	
14003	PE	18,0	6,2	4,0	
21110	PE	12,0	3,0	4,0	minifix 10 / with cross and pin

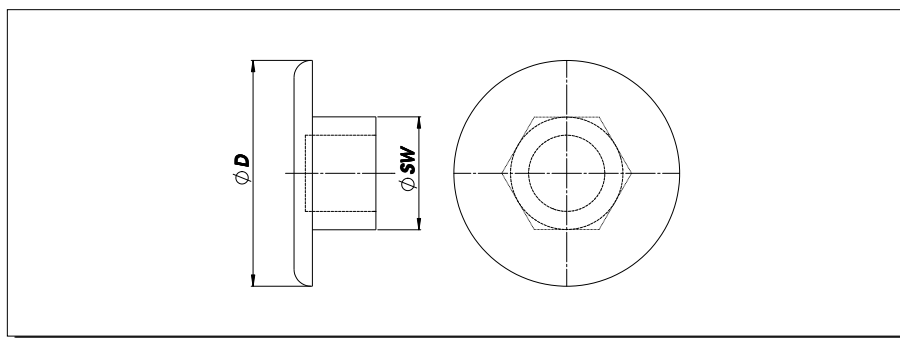
DECORATIVE CAPS



- for covering metal internal hexagon screws

ARTICLE	MATERIAL	D	d	h	NOTE
14153	PE	12,0	3,1	2,0	
14154	PE	12,0	3,1	2,2	
14155	PE	9,0	3,2	2,2	
14101	PE	12,5	4,1	2,3	
14151	PE	8,0	4,2	2,5	
14150	PE	10,0	4,2	2,9	
14100	PE	13,0	4,2	2,9	
14060	PE	14,5	4,2	2,4	
14103	PE	12,5	4,4	2,0	
14061	PE	14,5	4,4	2,4	
14053	PE	10,0	5,3	2,7	
14052	PE	11,5	5,3	2,7	

DECORATIVE CAPS

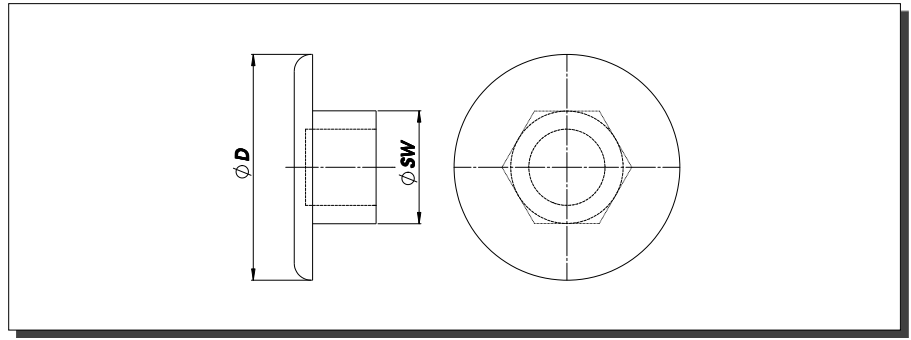


- for covering metal internal hexagon screws

ARTICLE	MATERIAL	D	SW	THREAD	DIN
78044	PE	9,0	4	M 5	DIN 912
78045	PE	10,0	5	M 6	DIN 912
78046	PE	13,0	6	M 8	DIN 912

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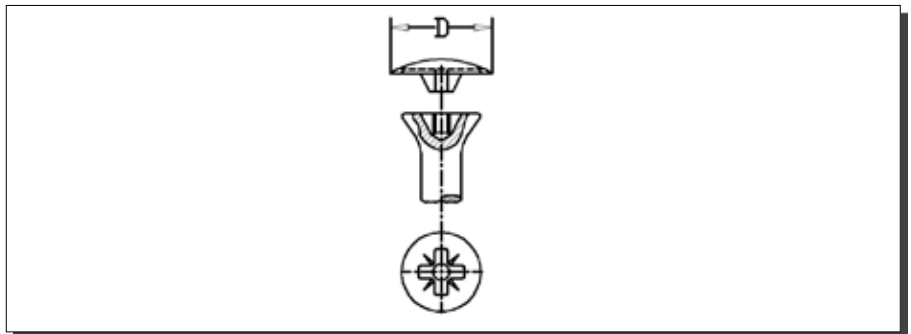
DECORATIVE CAPS



- for covering metal internal hexagon screws

DECORATIVE CAPS

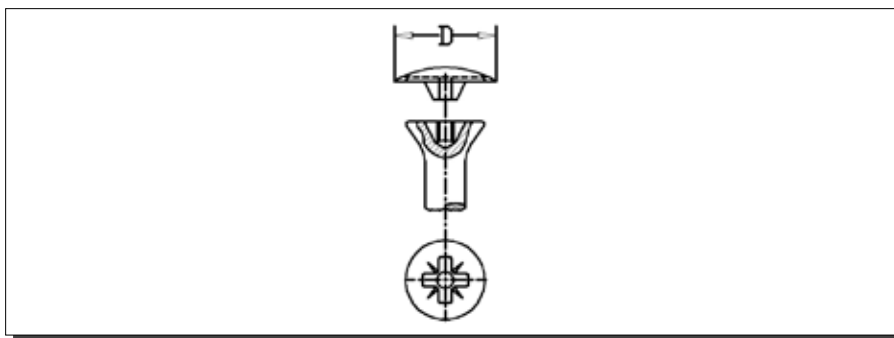
ARTICLE	MATERIAL	D	SW	THREAD	DIN
78047	PE	16,0	8	M 10	DIN 912
78048	PE	18,0	10	M 12	DIN 912
78049	PE	24,0	14	M 16	DIN 912
78050	PE	30,0	17	M 20	DIN 912
78051	PE	10,0	3	M 5	DIN 7991
78052	PE	12,0	4	M 6	DIN 7991
78053	PE	16,0	5	M 8	DIN 7991
78054	PE	20,0	6	M 10	DIN 7991



- for covering metal Pozidrive screws

ARTICLE	MATERIAL	D	PZ-Size	NOTE
17000	PE	8,0	1	
17027	PE	9,0	2	
17030	PE	12,0	2	
17100	PE	13,0	3	
17110	PE	14,5	3	
17200	PE	14,0	4	
17250	PE	18,0	4	
17300	PE	18,0	5	

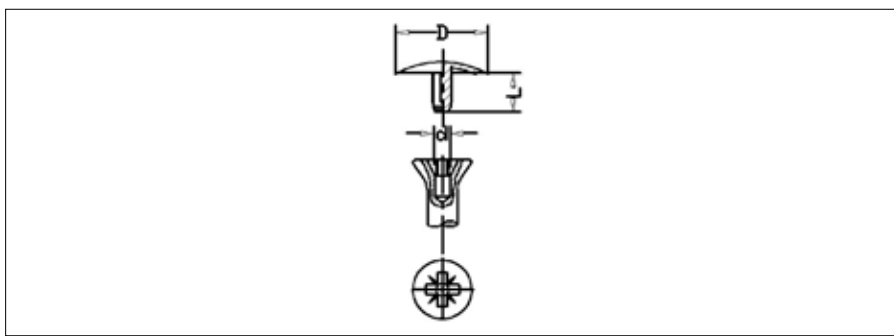
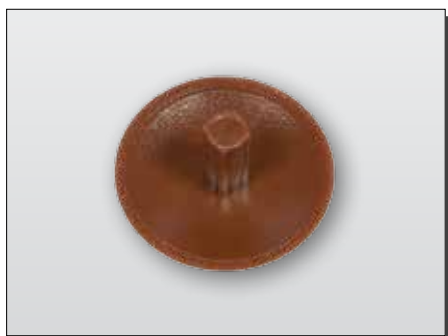
DECORATIVE CAPS



- for covering metal Phillips screws

ARTICLE	MATERIAL	D	PH-Size	NOTE
17500	PE	12,0	2	with all round rim
17501	PE	12,0	2	flat design
17505	PE	15,0	3	with all round rim

DECORATIVE CAPS



- for covering metal Pozidrive screws with drilled head

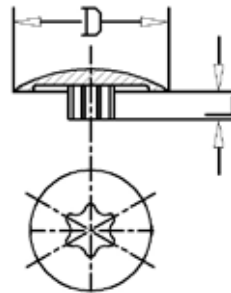
ARTICLE	MATERIAL	D	d	L	PZ-Size	NOTE
18000	PE	12,0	2,5	6,0	2	
18005	PE	12,0	2,5	6,5	2	
18010	PE	15,0	2,5	6,5	2	
18150	PE	10,0	3,0	8,0	3	flat head
18100	PE	12,0	3,0	7,0	3	
18050	PE	15,0	3,0	6,0	3	

DECORATIVE CAPS



- for covering metal TX screws
- flat design

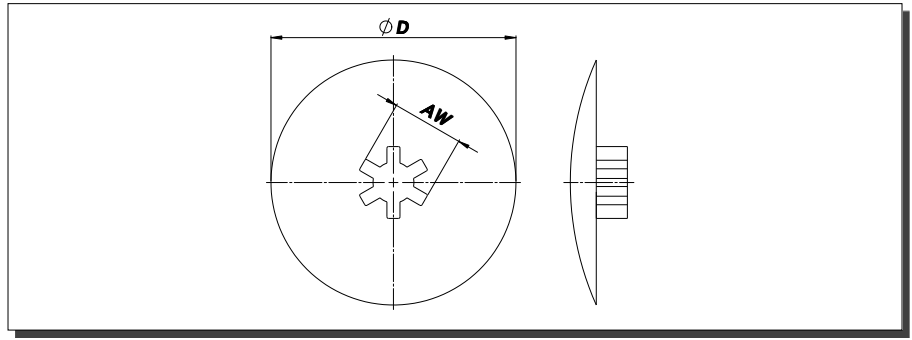
ARTICLE	MATERIAL	D	TX	NOTE
17601	PE	12,0	10	
17603	PE	12,0	15	
17605	PE	12,0	20	
17610	PE	13,5	25	
17612	PE	15,0	25	
17615	PE	18,0	25	
17620	PE	16,5	30	
17625	PE	18,0	40	



- for covering metal TX screws
- with overlapping rim

ARTICLE	MATERIAL	D	TX	L	NOTE
17650	PE	16,5	25		
17655	PE	16,5	30		
17661	PE	16,5	40	2,6	
17660	PE	16,5	40	4,8	

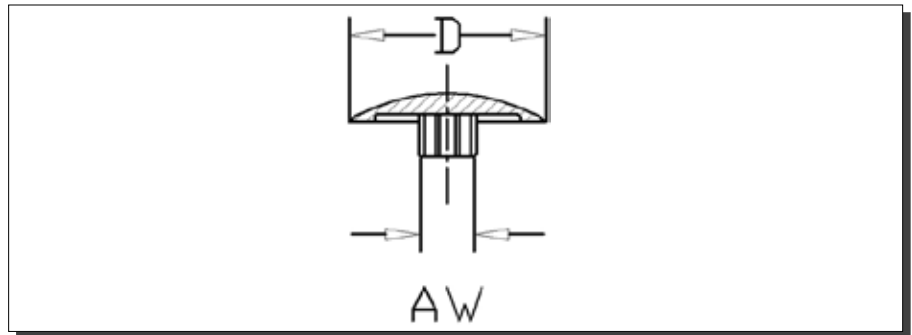
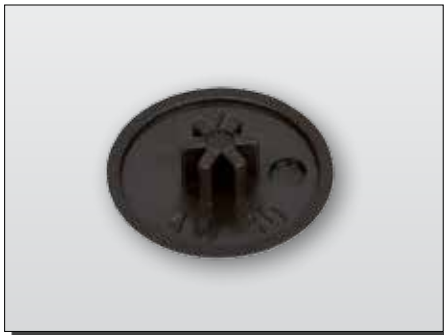
DECORATIVE CAPS



- for covering metal AW screws
- flat design

ARTICLE	MATERIAL	D	AW-Size	NOTE
17722	PE	13,0	20	
17728	PE	15,0	25	
17736	PE	18,0	30	
17737	PE	18,0	40	
17738	PE	15,0	40	

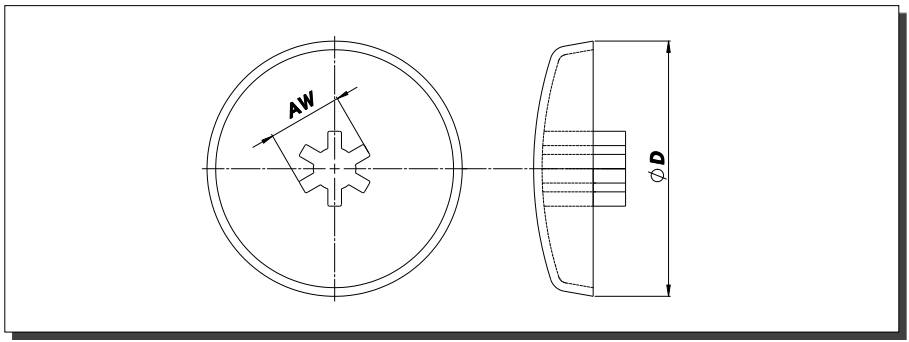
DECORATIVE CAPS



- for covering metal AW screws
- with all round rim

ARTICLE	MATERIAL	D	AW-Size	NOTE
17725	PE	12,0	25	
17726	PE	15,0	30	

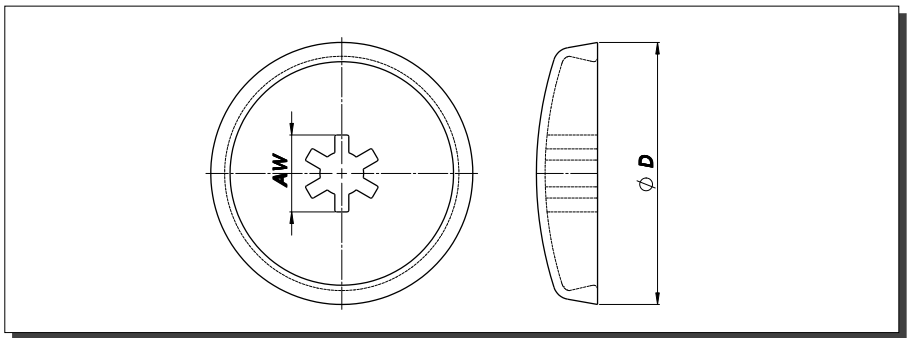
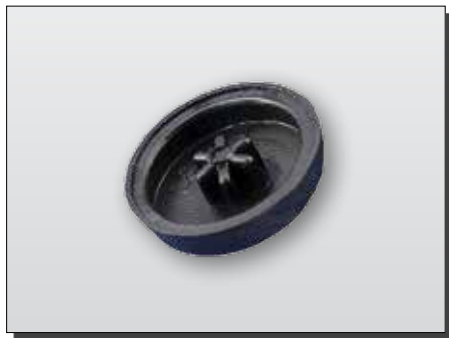
DECORATIVE CAPS



- for covering metal AW screws
- with overlapping rim

ARTICLE	MATERIAL	D	AW-Size	NOTE
17740	PE	12,0	20	
17745	PE	15,0	25	
17750	PE	16,0	30	

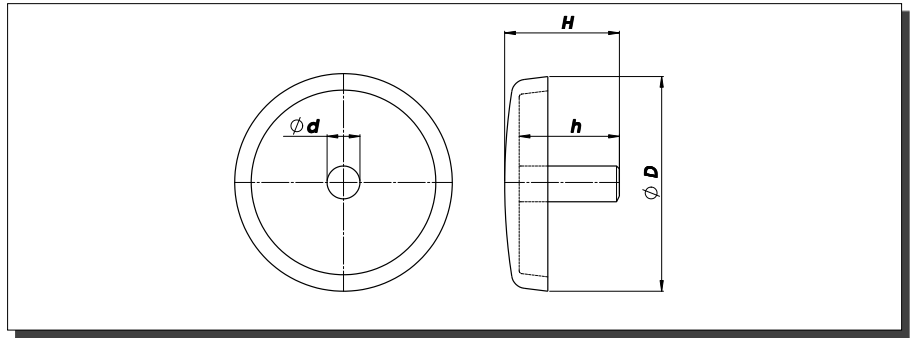
DECORATIVE CAPS



- for covering metal AW screws
- with overlapping rim for clamping

ARTICLE	MATERIAL	D	AW-Size	NOTE
17760	PE	16,0	30	

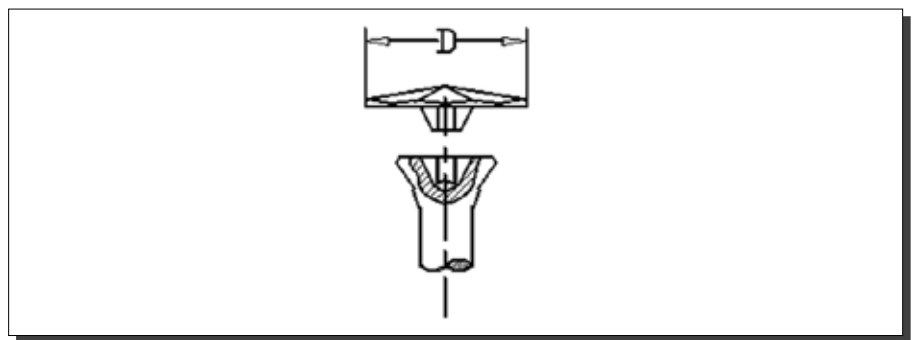
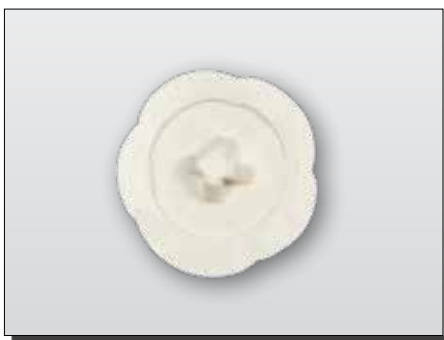
DECORATIVE CAPS



- overlapping - for frame fixing screws

ARTICLE	MATERIAL	D	d	H	h	NOTE
21200	PE	15,0	3,0	7,1	4,0	
21380	PE	16,0	3,0	5,1	2,5	
21250	PE	17,0	3,0	8,1	3,8	
21252	PE	17,0	3,0	9,0	5,0	
21255	PE	12,0	3,2	10,6	9,6	
21345	PE	15,0	4,0	5,0	3,8	
21382	PE	11,4	4,2	3,0	1,9	
21270	PE	13,5	4,2	5,4	3,6	
21260	PE	17,0	4,2	5,6	4,0	
21370	PE	18,0	5,1	4,7	2,4	

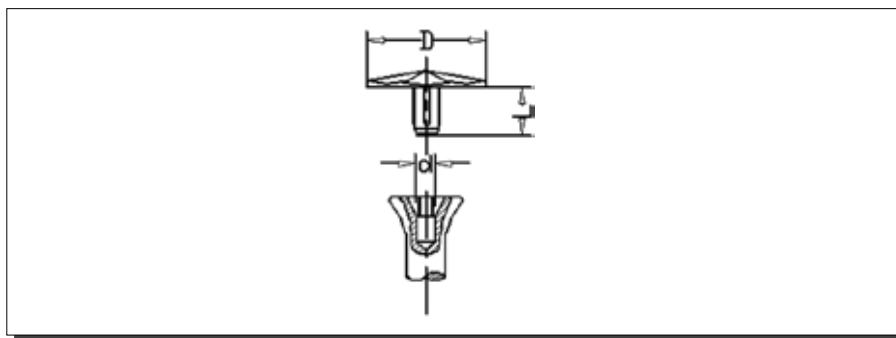
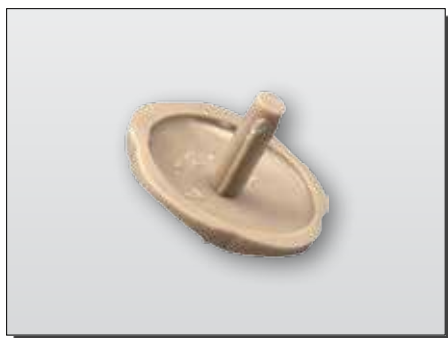
DECORATIVE CAPS



- forged head cap for PZ screws

ARTICLE	MATERIAL	D	PZ-Size	NOTE
21400	PE	19,0	3,0	

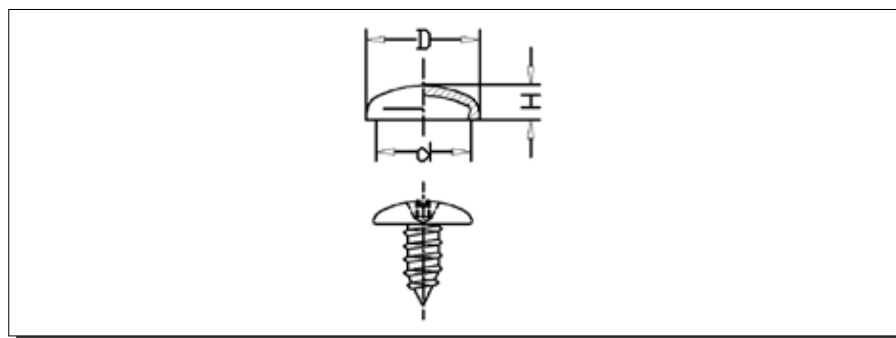
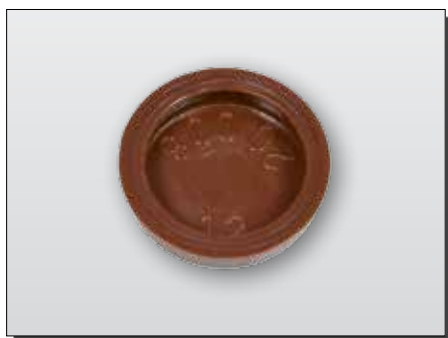
DECORATIVE CAPS



- forged head cap for screws with drilled head

ARTICLE	MATERIAL	D	d	L	NOTE
21402	PE	19,0	3,0	6,0	
21401	PE	19,0	3,0	7,0	

CAPS FOR SCREWS WITH FLATTENED HEAD

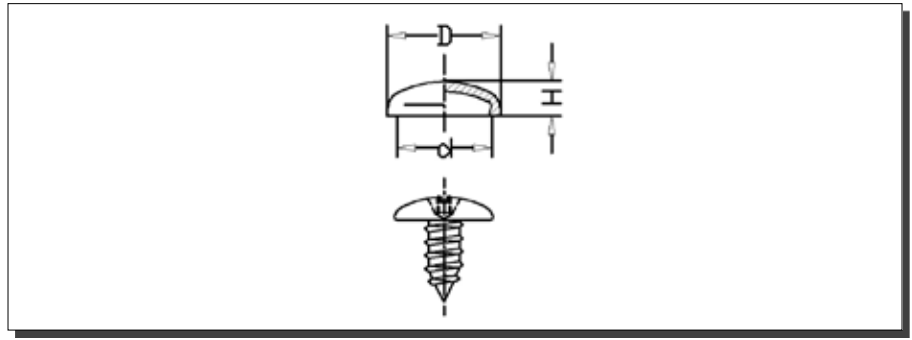


- for covering button head screws or similar models

ARTICLE	MATERIAL	D	d	H	NOTE
20425	PE	9,0	6,0	3,5	
20420	PE	10,0	6,0	4,0	
20423	PE	9,2	7,0	4,0	
20403	PE	10,5	7,0	5,0	
20400	PE	12,0	7,0	4,2	
20250	PE	14,0	8,2	2,5	
20300	PE	12,0	9,0	2,5	
20350	PE	12,0	9,0	5,0	
20050	PE	14,0	9,0	4,7	
20100	PE	14,0	9,0	5,8	
20009	PE	14,5	10,5	3,8	
20010	PE	14,5	11,0	3,8	
20008	PE	15,0	11,5	4,0	

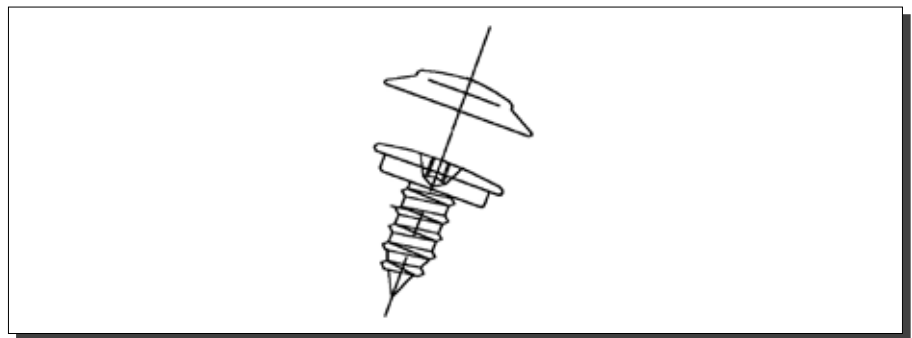
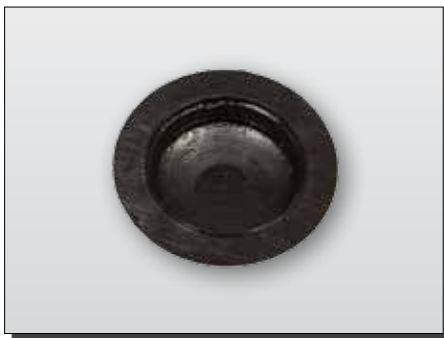
Continued on next Page

CAPS FOR SCREWS WITH FLATTENED HEAD



- for covering button head screws or similar models

ARTICLE	MATERIAL	D	d	H	NOTE
20000	PE	17,0	11,6	4,0	
20003	PE	16,0	12,0	5,0	
20001	PE	17,0	12,0	3,6	
20004	PE	16,4	15,0	6,7	
20005	PE	18,0	15,0	5,3	
20006	PE	19,0	15,0	5,7	
20015	PE	19,3	16,7	6,4	
20007	PE	25,0	22,0	10,0	

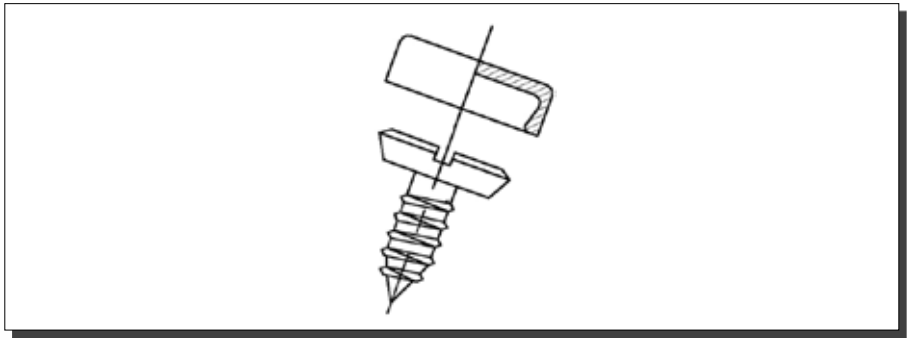


- for covering metal screws with special shaped heads for coach screws with Torx head Ø 4.8 ISO-No.: 10

ARTICLE	MATERIAL	D	d	H	NOTE
20040	PE	15,0	10,0	4,5	

CAPS FOR SCREWS WITH FLATTENED HEAD

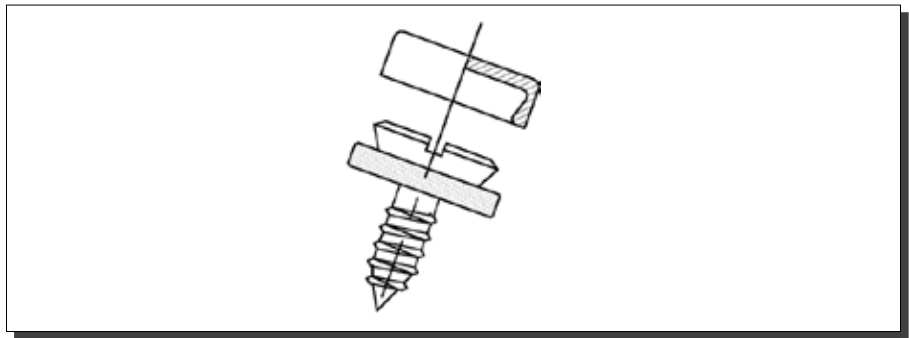
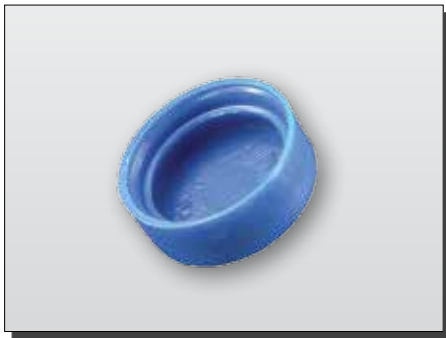
CAPS FOR SCREWS WITH FLATTENED HEAD



- for covering metal screws with special heads for frame fixing screws

ARTICLE	MATERIAL	D	d	H	NOTE
20450	PE	14,7	12,5	4,2	

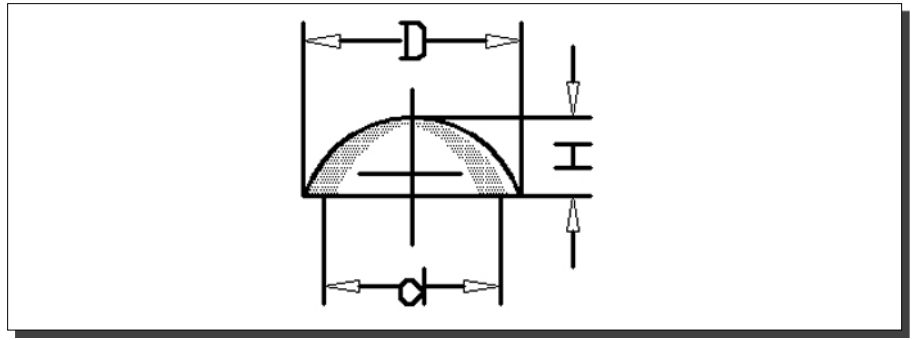
CAPS FOR SCREWS WITH FLATTENED HEAD



- for covering metal screws with special heads number plate caps

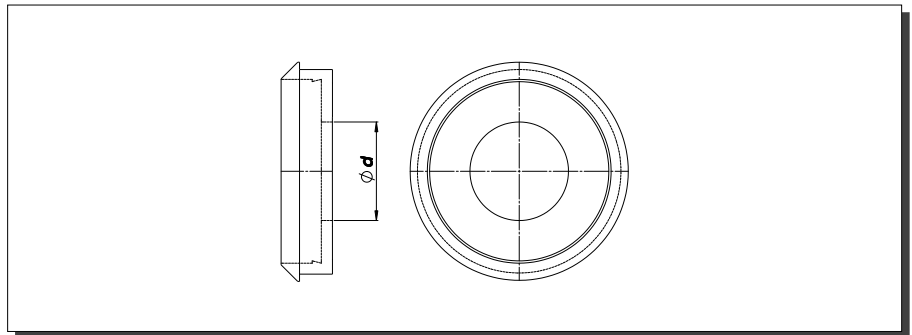
ARTICLE	MATERIAL	D	d	H	NOTE
20461	PE	12,5	9,8	4,9	
20460	PE	12,5	10,0	4,9	
30061	PE	18,0	6,5	6,0	matching distance washer

CAPS AND ROSETTES



- caps for insert rings and sleeves, matching our articles 20551, 20552, 20554

ARTICLE	MATERIAL	D	d	H	NOTE
20550	PE	14,5	11,5	4,7	smooth model
20548	PE	14,5	11,5	7,0	structured
20549	PE	15,0	11,5	5,0	structured

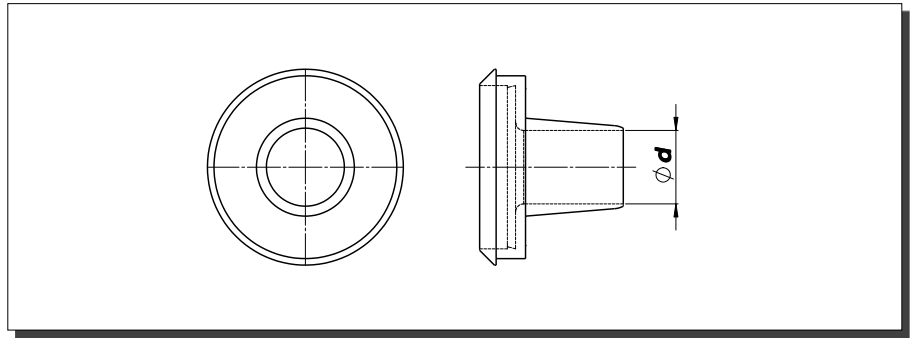
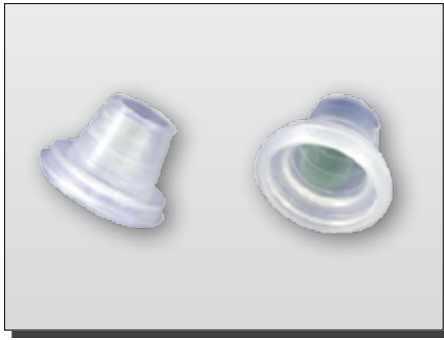


-insert rings, matching our articles 20550, 20548, 20549

ARTICLE	MATERIAL	d	NOTE
20551	PA	5,0	

CAPS AND ROSETTES

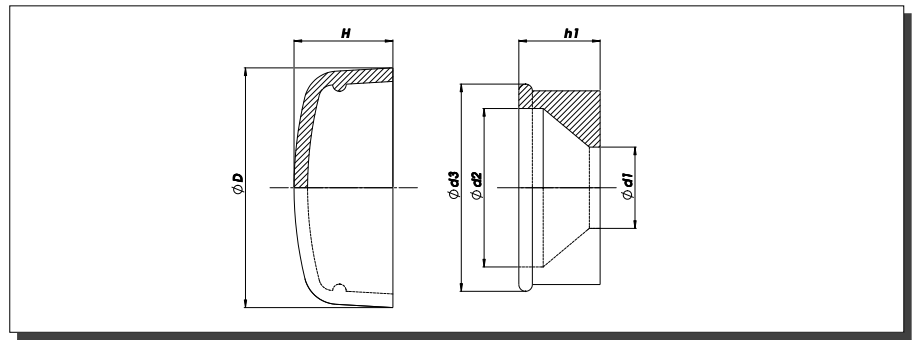
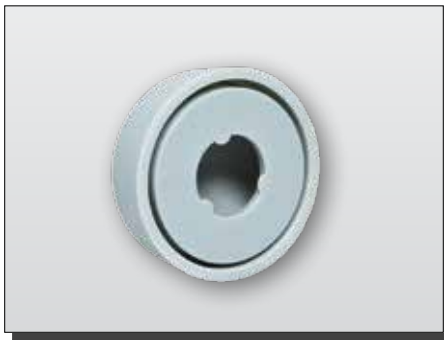
CAPS AND ROSETTES



- sleeves, matching our articles 20550, 20548, 20549

ARTICLE	MATERIAL	d	NOTE
20552	PA	5,0	
20554	PA	6,0	

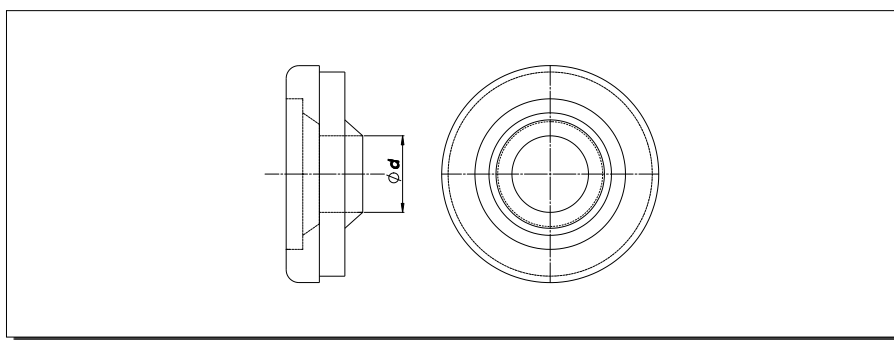
CAPS AND ROSETTES



- for covering metal screws
- caps for clipping to a base

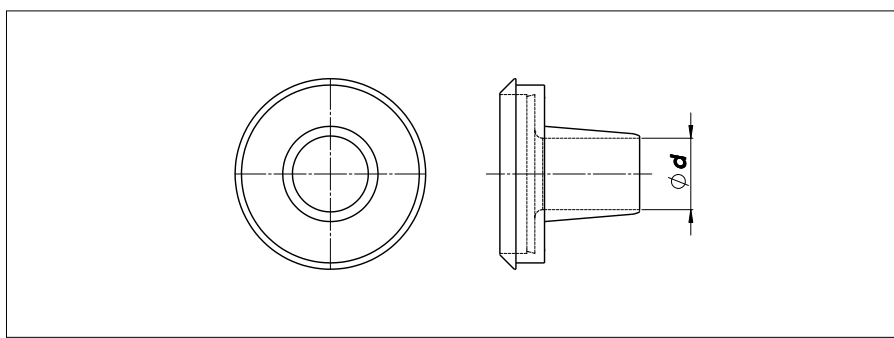
ARTICLE	MATERIAL	D	H	Thread	h1	h2	d1	d2	d3	NOTE
78032	PP	12,4	5,3	M 4						cap
78036	PA			M 4	3,7		4,0	7,9	10,4	base
78040	PA			M 4	3,7	2,9	4,0	7,9	10,4	base with sealing lip
78033	PP	14,9	6,4	M 5						cap
78037	PA			M 5	4,4		5,0	9,9	12,6	base
78041	PA			M 5	4,4	3,4	5,0	9,9	12,6	base with sealing lip
78034	PP	17,4	8,2	M 6						cap
78038	PA			M 6	5,9		6,0	11,9	14,9	base
78042	PA			M 6	5,9	4,4	6,0	11,9	14,9	base with sealing lip
78035	PP	20,7	8,5	M 8						cap
78039	PA			M 8	6,1		8,1	15,9	18,1	base
78043	PA			M 8	6,1	5,1	8,1	15,9	18,1	base with sealing lip

CAPS AND ROSETTES



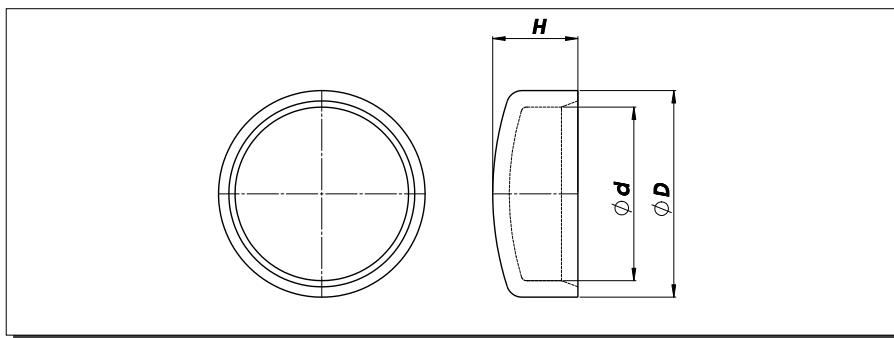
- rosettes for toilet fixings, matching our caps 20570, 20571

ARTICLE	MATERIAL	d	NOTE
20565	PE	6,0	



- rosettes with extruded sleeve for toilet fixings, matching our caps 20570, 20571

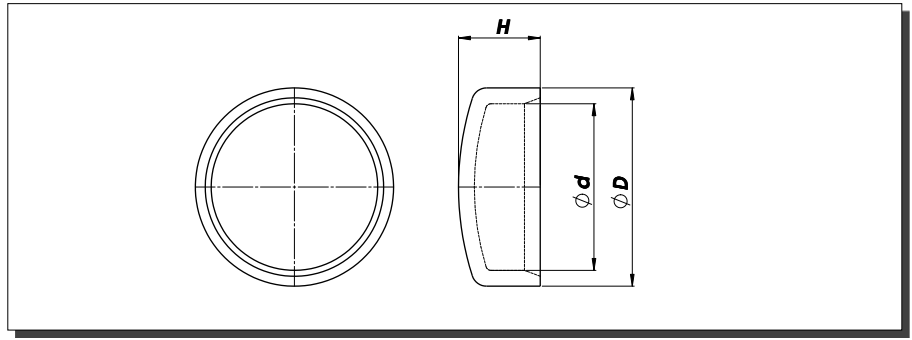
ARTICLE	MATERIAL	d	NOTE
20567	PE	6,4	



- caps for toilet fixings, matching our articles 20565, 20567

ARTICLE	MATERIAL	D	d	H	NOTE
20570	PE	19,6	16,3	7,9	

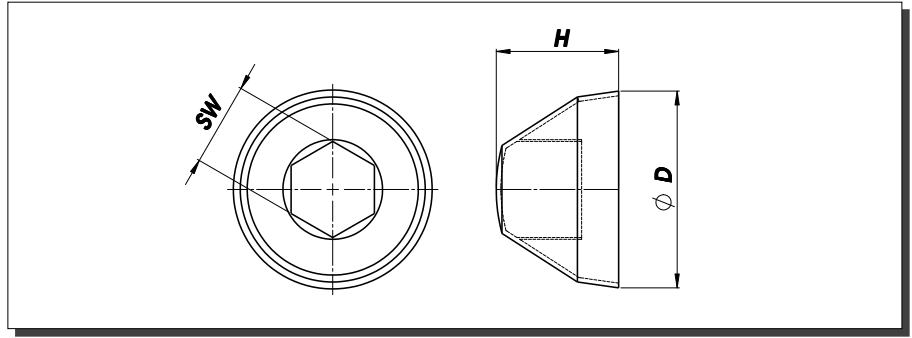
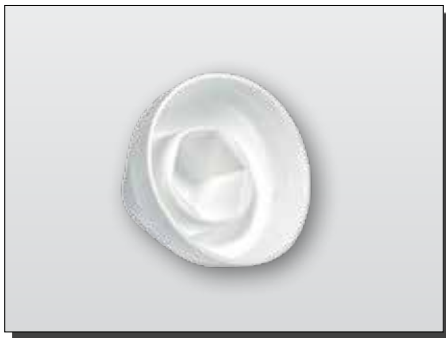
CAPS AND ROSETTES



- caps for toilet fixings, matching our articles 20565, 20567
 - metallised

ARTICLE	MATERIAL	D	d	H	NOTE
20571	PA	19,6	16,3	7,9	

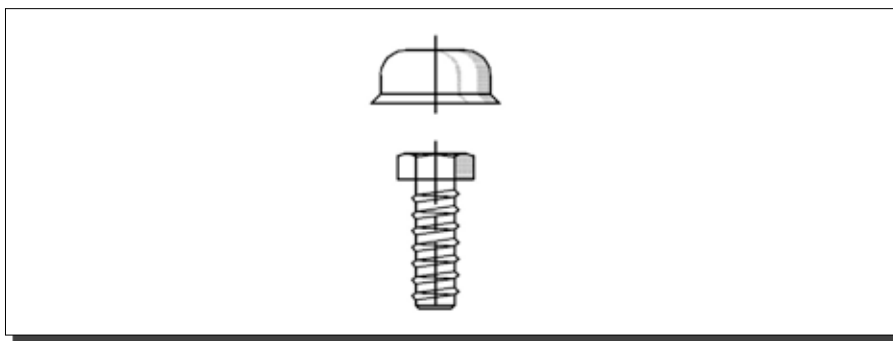
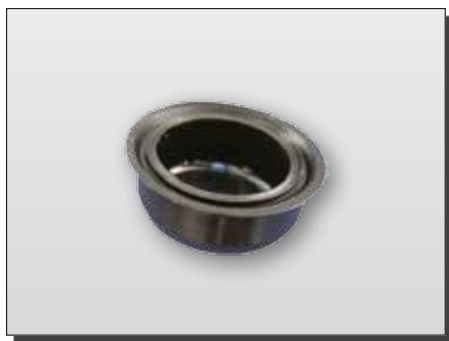
CAPS AND ROSETTES



- for toilet fixings

ARTICLE	MATERIAL	D	H	SW	Thread	NOTE
20580		44,0	29,0	19	M 12	

RAIN-PROTECTION CAP

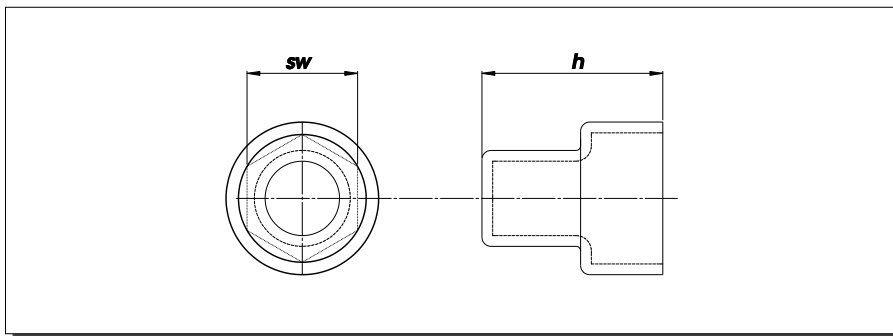


- for covering hexagon screws

ARTICLE	MATERIAL	SW	Thread	NOTE
16000	PE	13	M 8	
16050	PE	17	M 10	

RAIN-PROTECTION CAP

END CAP

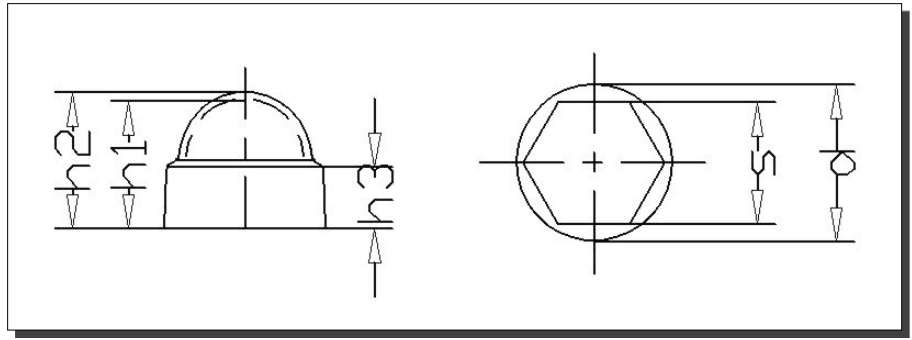


- for covering hexagon screws

ARTICLE	MATERIAL	SW	Thread	h	NOTE
16055	PE	13	M 8	18,5	

END CAP

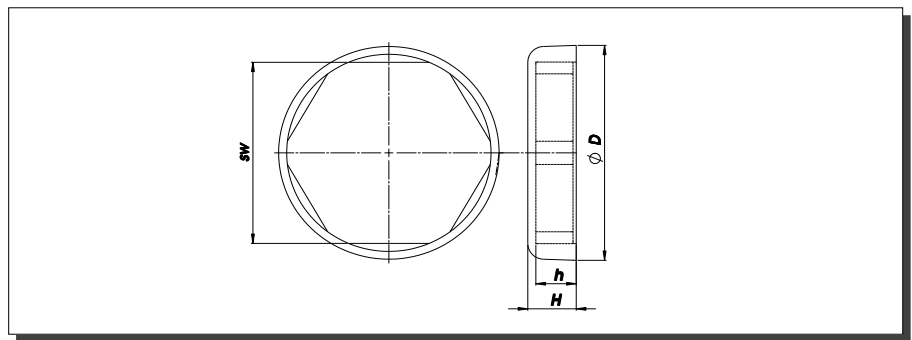
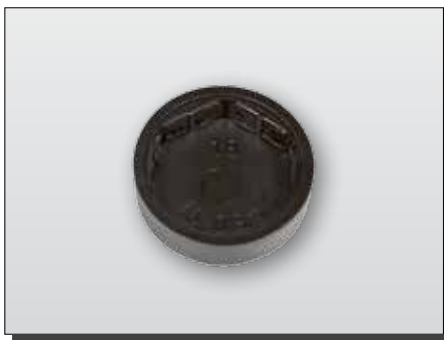
HEX HEAD CAPS



- for covering hexagon screws
- model: round outer

HEX HEAD CAPS

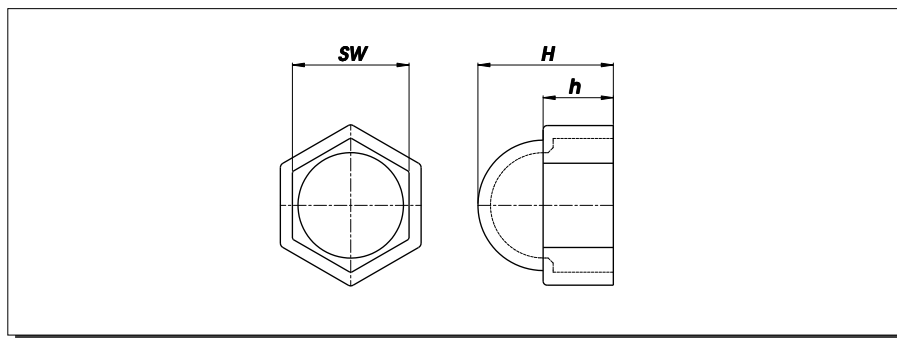
ARTICLE	MATERIAL	d	SW	Thread	h1	h2	h3	S	NOTE
16061	PE	9,0	7	M 4	7,5	8,3	3,5	6,9	
16062	PE	10,9	8	M 5	8,5	9,5	5,0	7,9	
16063	PE	12,9	10	M 6	12,0	13,0	6,0	9,8	
16064	PE	16,8	13	M 8	14,0	15,0	7,5	12,8	
16065	PE	21,3	17	M 10	18,5	19,5	9,0	16,7	
16066	PE	23,6	19	M 12	20,0	21,5	11,0	18,7	
16067	PE	26,8	22	M 14	23,7	22,0	12,3	21,6	
16068	PE	29,8	24	M 16	25,5	27,0	14,0	23,7	
16069	PE	33,8	27	M 18	31,0	28,4	15,5	26,7	
16070	PE	37,4	30	M 20	31,0	33,2	17,0	29,8	
16074	PE	20,0	16	M 10	17,5	19,0	9,0	15,7	
16075	PE	23,0	18	M 12	18,5	20,0	9,0	17,7	



- for covering hexagon screws
- model: round outer, extra flat

ARTICLE	MATERIAL	D	H	SW	Thread	h	NOTE
16095	PE	22,0	7,8	17	M 10	5,5	

HEX HEAD CAPS

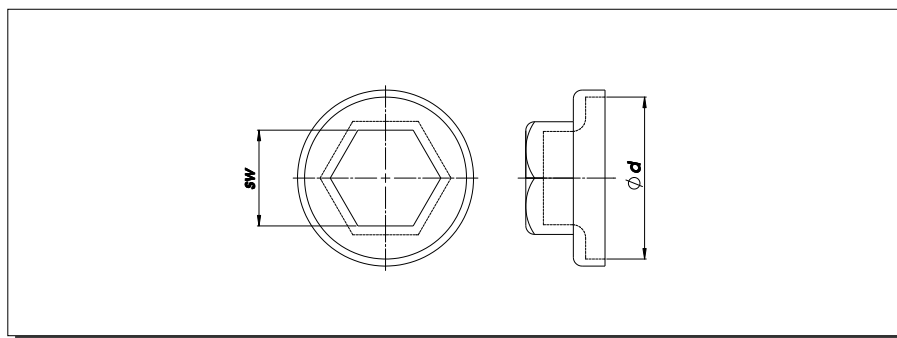
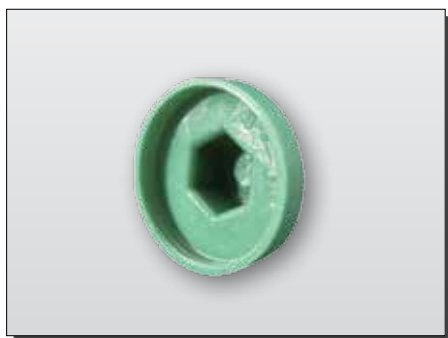


- for covering hexagon screws
- outer hex head

ARTICLE	MATERIAL	H	SW	Thread	h	NOTE
16081	PE	8,0	7	M 4	5,0	
16082	PE	11,0	8	M 5	6,0	
16083	PE	13,0	10	M 6	7,0	
16084	PE	15,5	13	M 8	9,0	
16085	PE	19,5	17	M 10	10,5	
16086	PE	22,0	19	M 12	11,5	
16087	PE	28,0	24	M 16	15,0	
16088	PE	34,0	30	M 20	18,0	

HEX HEAD CAPS

PROTECTIVE CAPS

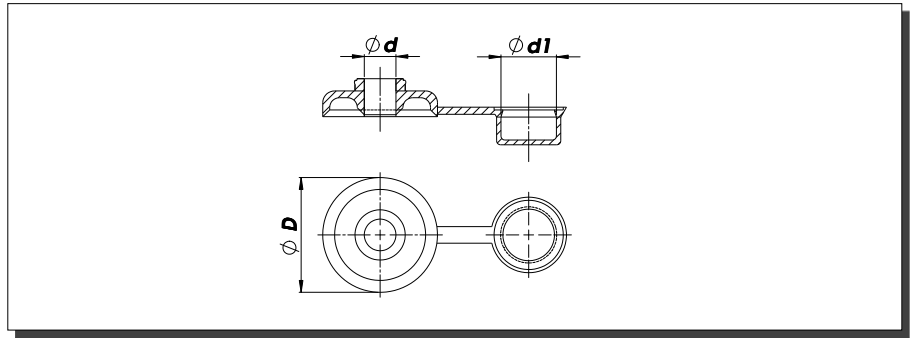


- for covering facade screws with Neoprene washer

ARTICLE	MATERIAL	d	SW	NOTE
16100	PE	18,0	3/8"	
16101	PE	25,5	3/8"	
16105	PE	18,0	8	
16106	PE	25,5	8	
16110	PE	18,0	10	
16115	PE	25,5	10	
16125	PE	26,0	17	

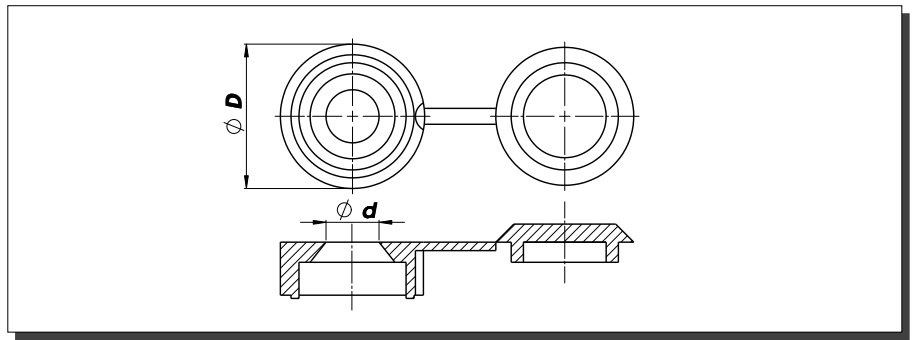
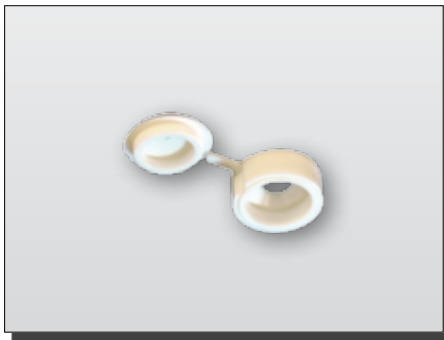
PROTECTIVE CAPS

PROTECTIVE CAPS



- combination caps for covering hexagon screws
- with flat underside and hinged protective cover

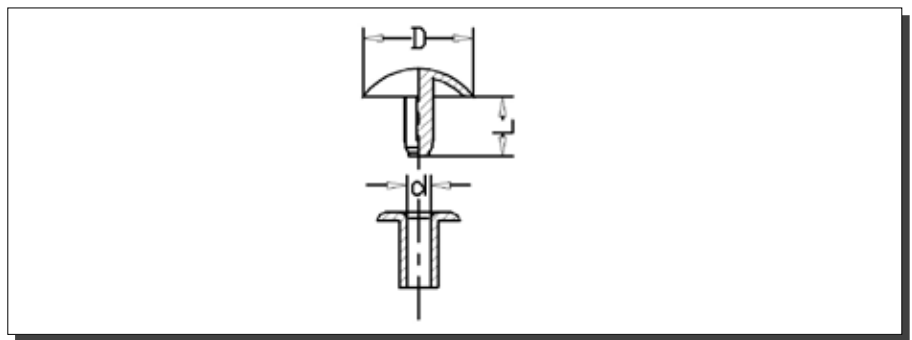
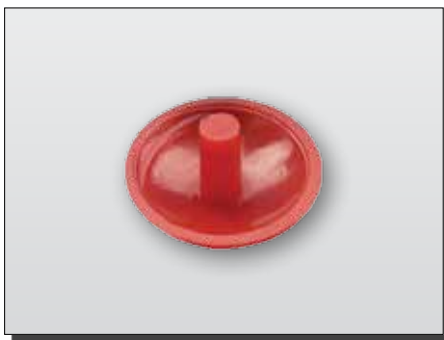
ARTICLE	MATERIAL	D	d	SW	d1	NOTE
16150	PE	29,0	8,0	12	13,0	suitable for wood screws DIN 571, 7 mm



- washer with cap

ARTICLE	MATERIAL	D	d	NOTE
30350	PE	13,7	5,0	

DECORATIVE CAPS FOR RIVETS

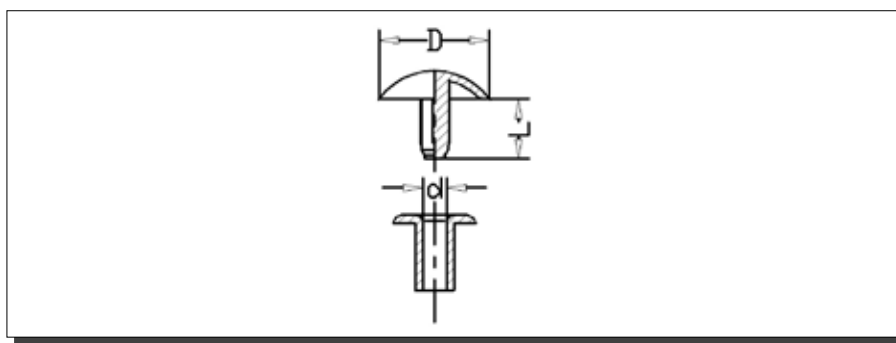


- for covering pop rivets

ARTICLE	MATERIAL	D	d	L	NOTE
15500	PE	8,0	2,0	1,5	
15310	PE	12,0	2,6	5,0	

Continued on next Page

DECORATIVE CAPS FOR RIVETS

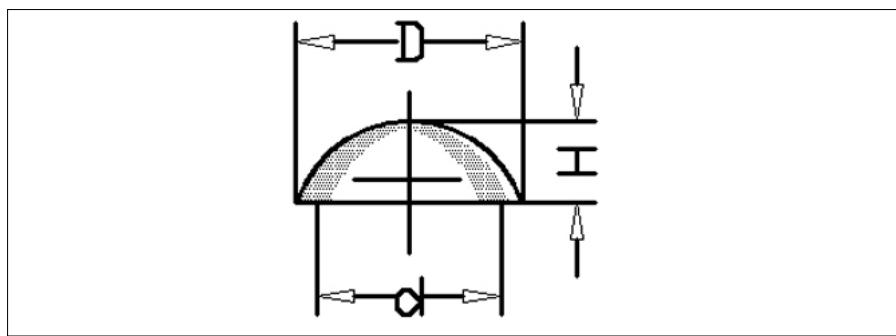
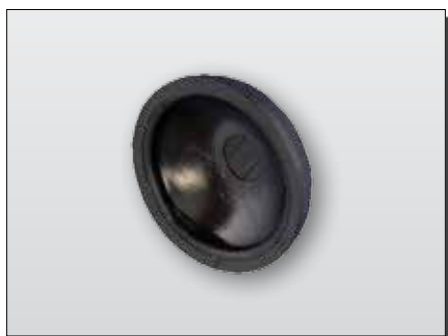


- for covering pop rivets

ARTICLE	MATERIAL	D	d	L	NOTE
15305	PE	13,0	2,6	4,0	
15055	PE	15,0	2,6	4,0	
15200	PE	13,0	3,0	4,0	
15050	PE	15,0	3,0	5,0	
15001	PE	18,0	3,0	2,0	
15000	PE	18,0	3,0	7,0	
15010	PE	18,0	3,0	7,0	structured
15150	PE	13,0	3,2	4,0	
15100	PE	13,0	3,9	10,0	
15040	PE	15,8	3,9	8,8	
15101	PE	13,0	4,5	10,0	
15090	PE	14,0	5,2	10,0	

DECORATIVE CAPS FOR RIVETS

ROUND HEAD CAPS FOR RIVETS

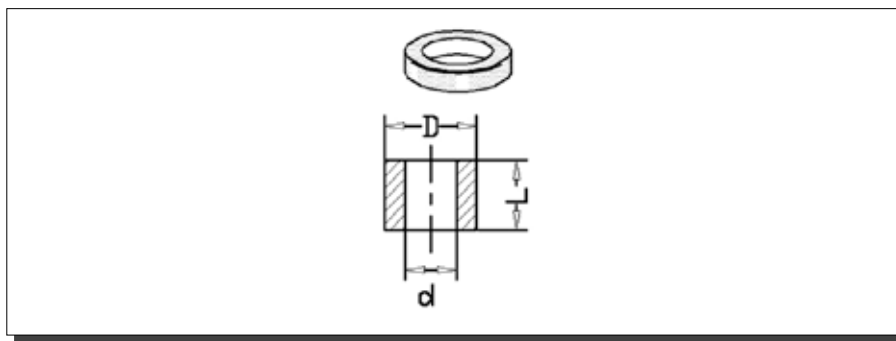
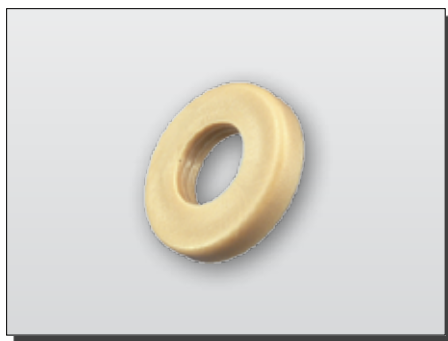


- for covering metal rivets with special heads

ARTICLE	MATERIAL	D	d	H	NOTE
20511	PE	10,0	8,0	3,1	Bulbex-Rivet
20510	PE	11,5	9,0	3,5	Bulbex-Triclamp
20500	PE	13,0	11,0	4,9	Bulb-Tite-Rivet
20490	PE	16,8	13,5	5,0	TLR-Rivet

ROUND HEAD CAPS FOR RIVETS

WASHERS

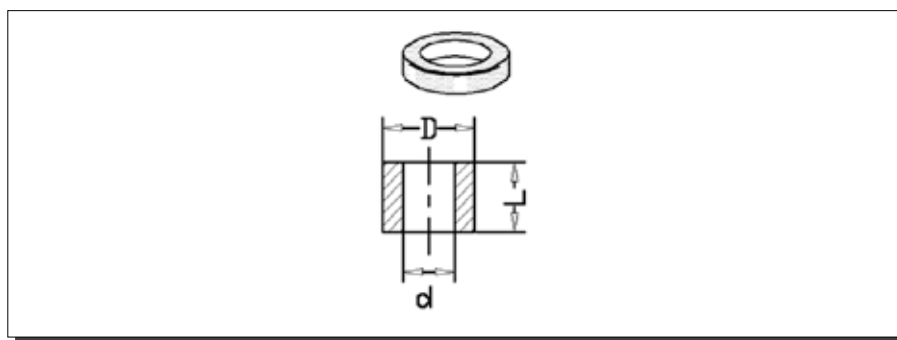
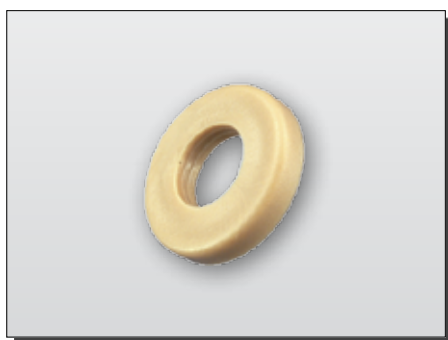


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
30200	PE	7,0	2,7	3,5	
31094	PS	12,0	3,0	8,0	
30645	PA	14,0	3,0	1,0	
30205	PE	7,0	4,0	12,0	
30700	PA	8,0	4,0	4,0	
30705	PA	8,0	4,0	5,0	
30710	PA	8,0	4,0	6,0	
30715	PA	8,0	4,0	7,0	
30720	PA	8,0	4,0	8,0	
30540	PE	8,0	4,0	10,0	
30725	PA	8,0	4,0	10,0	
30640	PA	8,0	4,0	14,0	
31015	PS	8,0	4,0	14,0	
30655	PA	16,0	4,0	3,0	
31196	PS	18,0	4,0	4,0	
31197	PS	18,0	4,0	5,0	
31198	PS	18,0	4,0	6,0	
31199	PS	18,0	4,0	7,0	
31200	PS	18,0	4,0	8,0	
31201	PS	18,0	4,0	9,0	
31202	PS	18,0	4,0	10,0	
31203	PS	18,0	4,0	11,0	
31204	PS	18,0	4,0	12,0	
31205	PS	18,0	4,0	13,0	
31206	PS	18,0	4,0	14,0	
31207	PS	18,0	4,0	15,0	
31208	PS	18,0	4,0	16,0	
31209	PS	18,0	4,0	17,0	
31210	PS	18,0	4,0	18,0	
31211	PS	18,0	4,0	19,0	

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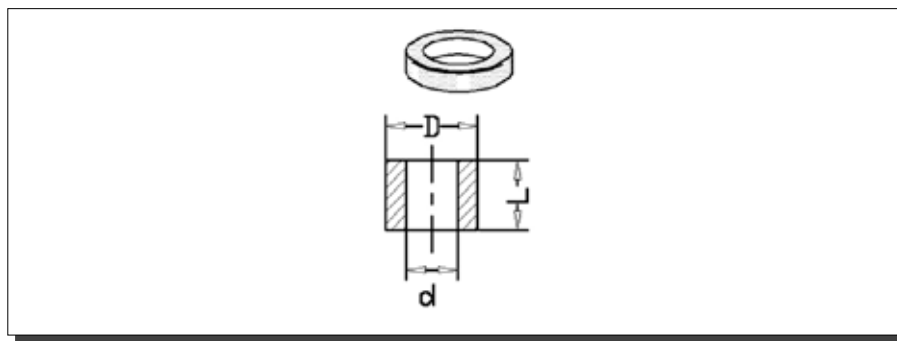
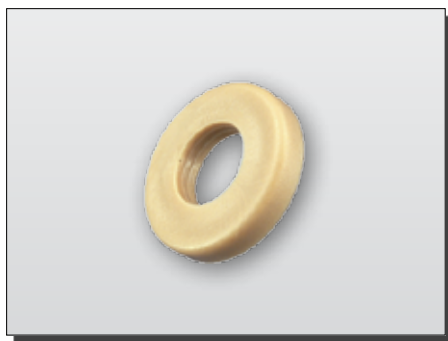
WASHERS



ARTICLE	MATERIAL	D	d	L	NOTE
31212	PS	18,0	4,0	20,0	
31213	PS	18,0	4,0	21,0	
31214	PS	18,0	4,0	22,0	
31215	PS	18,0	4,0	23,0	
31216	PS	18,0	4,0	24,0	
31217	PS	18,0	4,0	25,0	
30008	PE	7,6	4,3	2,0	
30007	PE	7,6	4,3	3,0	
30009	PE	7,6	4,9	2,0	
30210	PE	6,5	5,0	8,0	
31020	PS	8,0	5,0	3,0	
31021	PS	8,0	5,0	4,0	
31022	PS	8,0	5,0	5,0	
31025	PS	8,0	5,0	6,0	
31026	PS	8,0	5,0	7,0	
31027	PS	8,0	5,0	8,0	
31028	PS	8,0	5,0	9,0	
31029	PS	8,0	5,0	10,0	
31030	PS	8,0	5,0	11,0	
31031	PS	8,0	5,0	12,0	
31032	PS	8,0	5,0	13,0	
31033	PS	8,0	5,0	14,0	
31034	PS	8,0	5,0	15,0	
31035	PS	8,0	5,0	16,0	
31036	PS	8,0	5,0	17,0	
31037	PS	8,0	5,0	18,0	
31038	PS	8,0	5,0	19,0	
31039	PS	8,0	5,0	20,0	
31040	PS	8,0	5,0	21,0	
31041	PS	8,0	5,0	22,0	

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WASHERS

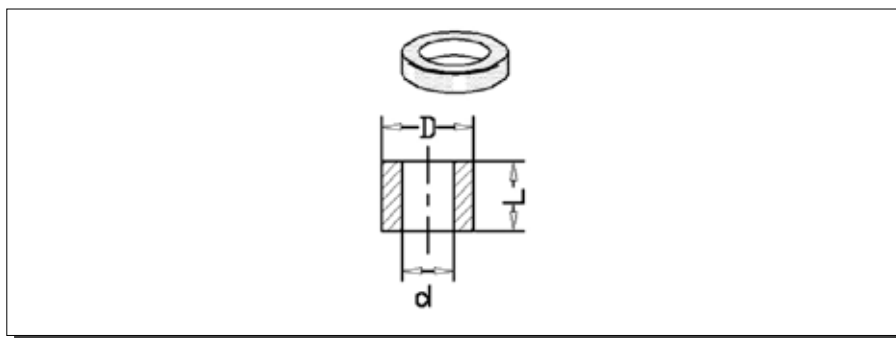
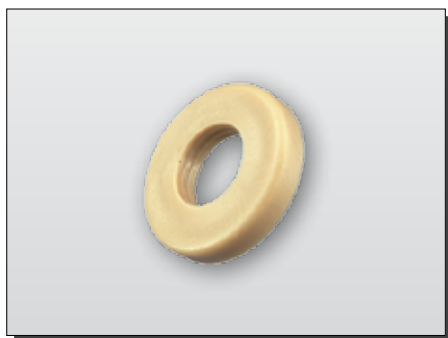


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
31042	PS	8,0	5,0	23,0	
31043	PS	8,0	5,0	24,0	
31044	PS	8,0	5,0	25,0	
31045	PS	8,0	5,0	26,0	
31046	PS	8,0	5,0	27,0	
31047	PS	8,0	5,0	28,0	
31048	PS	8,0	5,0	29,0	
31049	PS	8,0	5,0	30,0	
30010	PE	10,0	5,0	1,5	
31053	PS	10,0	5,0	2,0	
31054	PS	10,0	5,0	3,0	
31055	PS	10,0	5,0	4,0	
30119	PA	10,0	5,0	5,0	
31056	PS	10,0	5,0	5,0	
30337	PE	10,0	5,0	6,0	
31057	PS	10,0	5,0	6,0	
31058	PS	10,0	5,0	7,0	
31059	PS	10,0	5,0	8,0	
31060	PS	10,0	5,0	9,0	
31061	PS	10,0	5,0	10,0	
31062	PS	10,0	5,0	11,0	
31063	PS	10,0	5,0	12,0	
31064	PS	10,0	5,0	13,0	
31065	PS	10,0	5,0	14,0	
31066	PS	10,0	5,0	15,0	
31067	PS	10,0	5,0	16,0	
31068	PS	10,0	5,0	17,0	
31069	PS	10,0	5,0	18,0	
31070	PS	10,0	5,0	19,0	
31071	PS	10,0	5,0	20,0	

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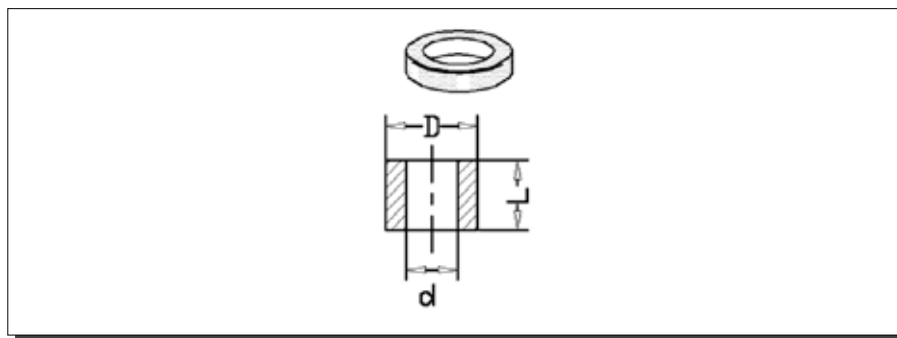
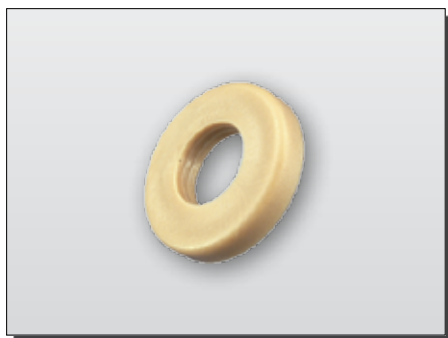
WASHERS



ARTICLE	MATERIAL	D	d	L	NOTE
31072	PS	10,0	5,0	21,0	
31073	PS	10,0	5,0	22,0	
31074	PS	10,0	5,0	23,0	
31075	PS	10,0	5,0	24,0	
31076	PS	10,0	5,0	25,0	
31095	PS	12,0	5,0	3,0	
31096	PS	12,0	5,0	4,0	
31097	PS	12,0	5,0	5,0	
31098	PS	12,0	5,0	6,0	
31099	PS	12,0	5,0	7,0	
31100	PS	12,0	5,0	8,0	
31101	PS	12,0	5,0	9,0	
31102	PS	12,0	5,0	10,0	
31103	PS	12,0	5,0	11,0	
31104	PS	12,0	5,0	12,0	
31105	PS	12,0	5,0	13,0	
31106	PS	12,0	5,0	14,0	
31107	PS	12,0	5,0	15,0	
31108	PS	12,0	5,0	16,0	
31109	PS	12,0	5,0	17,0	
31110	PS	12,0	5,0	18,0	
31111	PS	12,0	5,0	19,0	
31112	PS	12,0	5,0	20,0	
31113	PS	12,0	5,0	21,0	
31114	PS	12,0	5,0	22,0	
31115	PS	12,0	5,0	23,0	
31116	PS	12,0	5,0	24,0	
31117	PS	12,0	5,0	25,0	
31118	PS	12,0	5,0	26,0	
31119	PS	12,0	5,0	27,0	

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WASHERS

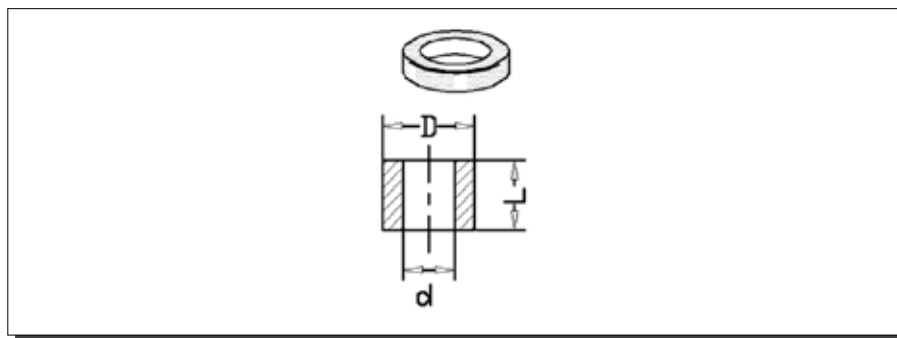
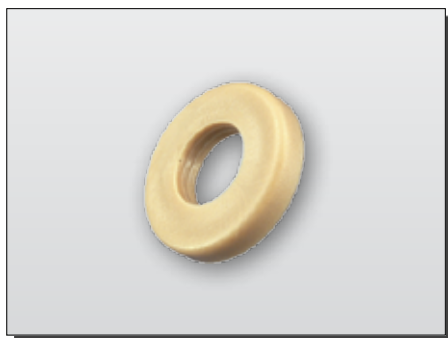


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
31120	PS	12,0	5,0	28,0	
31121	PS	12,0	5,0	29,0	
31122	PS	12,0	5,0	30,0	
31151	PS	14,0	5,0	4,0	
31152	PS	14,0	5,0	5,0	
31153	PS	14,0	5,0	6,0	
31154	PS	14,0	5,0	7,0	
31155	PS	14,0	5,0	8,0	
31156	PS	14,0	5,0	9,0	
31157	PS	14,0	5,0	10,0	
31158	PS	14,0	5,0	11,0	
31159	PS	14,0	5,0	12,0	
31160	PS	14,0	5,0	13,0	
31161	PS	14,0	5,0	14,0	
31162	PS	14,0	5,0	15,0	
31163	PS	14,0	5,0	16,0	
31164	PS	14,0	5,0	17,0	
31165	PS	14,0	5,0	18,0	
31166	PS	14,0	5,0	19,0	
31167	PS	14,0	5,0	20,0	
31168	PS	14,0	5,0	21,0	
31169	PS	14,0	5,0	22,0	
31170	PS	14,0	5,0	23,0	
31171	PS	14,0	5,0	24,0	
31172	PS	14,0	5,0	25,0	
31262	PS	20,0	5,0	4,0	
31263	PS	20,0	5,0	5,0	
31264	PS	20,0	5,0	6,0	
31265	PS	20,0	5,0	7,0	
31266	PS	20,0	5,0	8,0	

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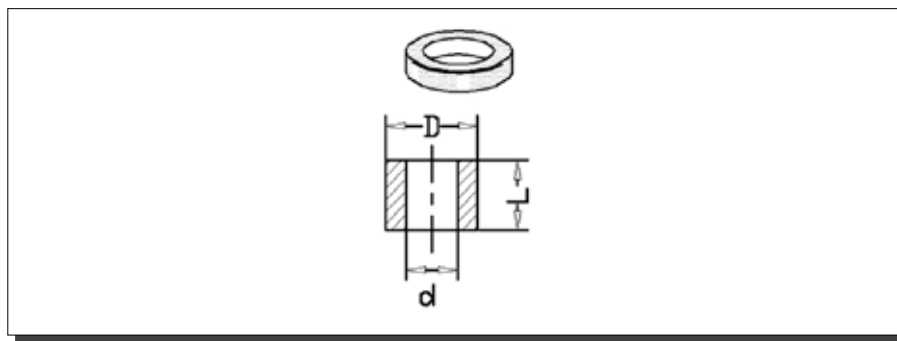
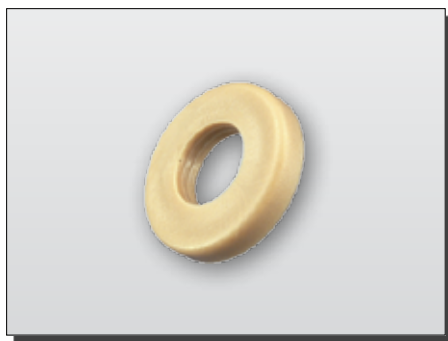
WASHERS



ARTICLE	MATERIAL	D	d	L	NOTE
31267	PS	20,0	5,0	9,0	
31268	PS	20,0	5,0	10,0	
31269	PS	20,0	5,0	11,0	
31270	PS	20,0	5,0	12,0	
31271	PS	20,0	5,0	13,0	
31272	PS	20,0	5,0	14,0	
31273	PS	20,0	5,0	15,0	
31274	PS	20,0	5,0	16,0	
31275	PS	20,0	5,0	17,0	
31276	PS	20,0	5,0	18,0	
31277	PS	20,0	5,0	19,0	
31278	PS	20,0	5,0	20,0	
31279	PS	20,0	5,0	21,0	
31280	PS	20,0	5,0	22,0	
31281	PS	20,0	5,0	23,0	
31282	PS	20,0	5,0	24,0	
31283	PS	20,0	5,0	25,0	
31284	PS	20,0	5,0	26,0	
31285	PS	20,0	5,0	27,0	
31286	PS	20,0	5,0	28,0	
31287	PS	20,0	5,0	29,0	
31288	PS	20,0	5,0	30,0	
30021	PE	15,0	5,5	16,0	
30215	PE	8,0	6,0	3,0	
30550	PE	8,0	6,0	4,0	
30220	PE	8,0	6,0	5,0	
30225	PE	8,0	6,0	6,0	
30230	PE	8,0	6,0	7,0	
30235	PE	8,0	6,0	8,0	
30240	PE	8,0	6,0	9,0	

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WASHERS

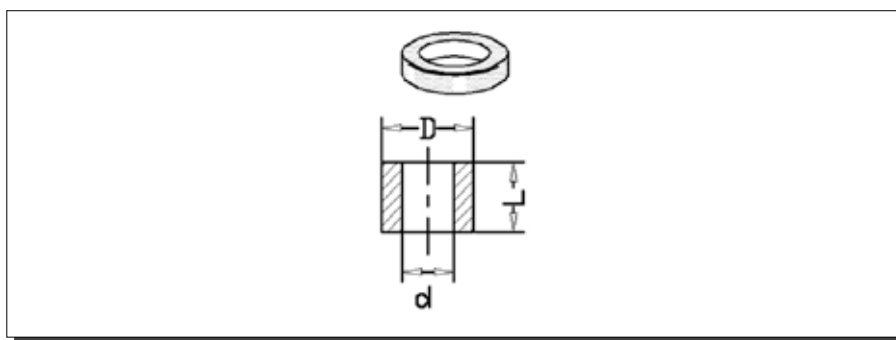
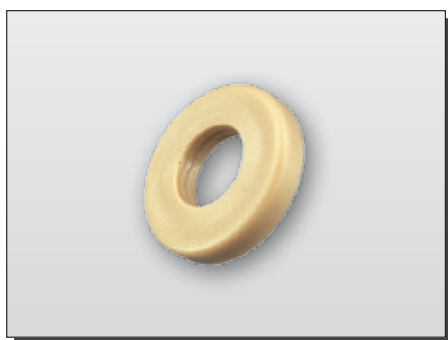


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
30560	PE	8,0	6,0	10,0	
30245	PE	8,0	6,0	11,0	
30250	PE	8,0	6,0	12,0	
30255	PE	8,0	6,0	13,0	
30260	PE	8,0	6,0	14,0	
30265	PE	8,0	6,0	15,0	
30730	PA	8,0	6,0	15,0	
30270	PE	8,0	6,0	16,0	
30275	PE	8,0	6,0	17,0	
30280	PE	8,0	6,0	18,0	
30285	PE	8,0	6,0	19,0	
30570	PE	8,0	6,0	20,0	
30290	PE	8,0	6,0	21,0	
30295	PE	8,0	6,0	22,0	
30300	PE	8,0	6,0	23,0	
30305	PE	8,0	6,0	24,0	
30310	PE	8,0	6,0	25,0	
30315	PE	8,0	6,0	26,0	
30320	PE	8,0	6,0	27,0	
30325	PE	8,0	6,0	28,0	
30330	PE	8,0	6,0	29,0	
30335	PE	8,0	6,0	30,0	
30735	PE	8,0	6,0	30,0	
31077	PS	10,0	6,0	4,0	
31078	PS	10,0	6,0	5,0	
31079	PS	10,0	6,0	6,0	
31080	PS	10,0	6,0	7,0	
31081	PS	10,0	6,0	8,0	
31082	PS	10,0	6,0	9,0	
31083	PS	10,0	6,0	10,0	

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WASHERS

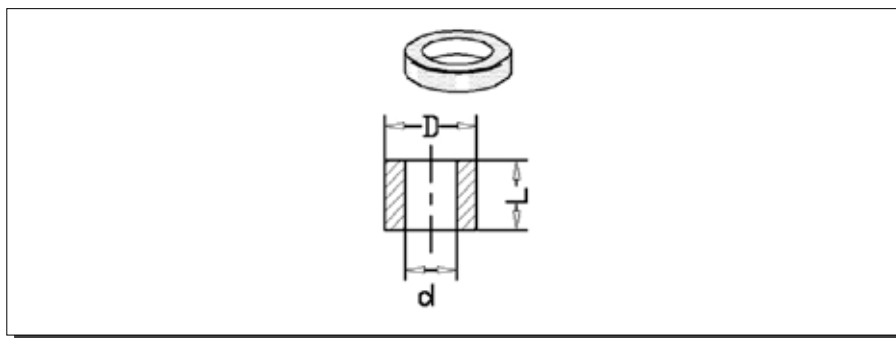
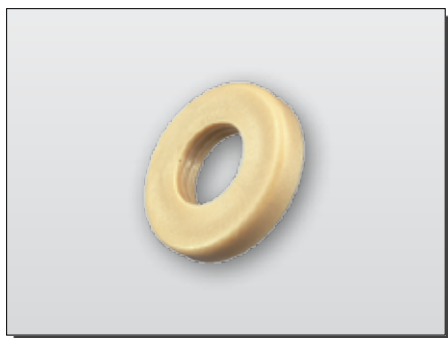


ARTICLE	MATERIAL	D	d	L	NOTE
31084	PS	10,0	6,0	11,0	
31085	PS	10,0	6,0	12,0	
31086	PS	10,0	6,0	13,0	
31087	PS	10,0	6,0	14,0	
31088	PS	10,0	6,0	15,0	
31089	PS	10,0	6,0	16,0	
31090	PS	10,0	6,0	17,0	
31091	PS	10,0	6,0	18,0	
31092	PS	10,0	6,0	19,0	
31093	PS	10,0	6,0	20,0	
30018	PE	15,0	6,0	7,0	
30019	PE	15,0	6,0	8,0	
30025	PE	15,0	6,0	11,0	
30080	PE	18,0	6,0	13,0	
31289	PS	20,0	6,0	5,0	
31290	PS	20,0	6,0	6,0	
31291	PS	20,0	6,0	7,0	
31292	PS	20,0	6,0	8,0	
31293	PS	20,0	6,0	9,0	
31294	PS	20,0	6,0	10,0	
31295	PS	20,0	6,0	11,0	
31296	PS	20,0	6,0	12,0	
31297	PS	20,0	6,0	13,0	
31298	PS	20,0	6,0	14,0	
31299	PS	20,0	6,0	15,0	
31300	PS	20,0	6,0	16,0	
31301	PS	20,0	6,0	17,0	
31302	PS	20,0	6,0	18,0	
31303	PS	20,0	6,0	19,0	
31304	PS	20,0	6,0	20,0	

WASHERS

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WASHERS

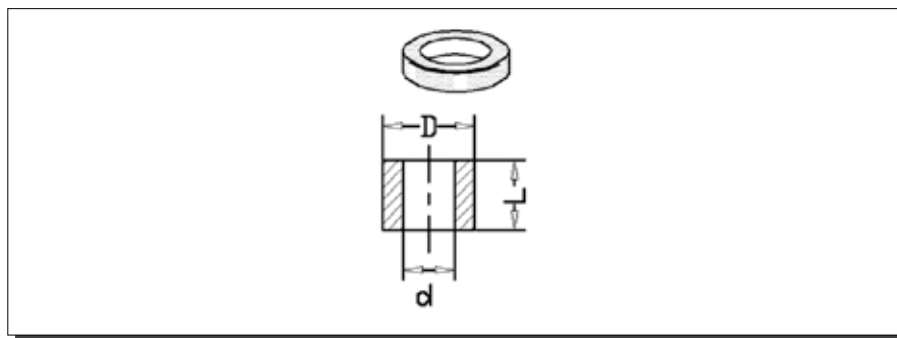
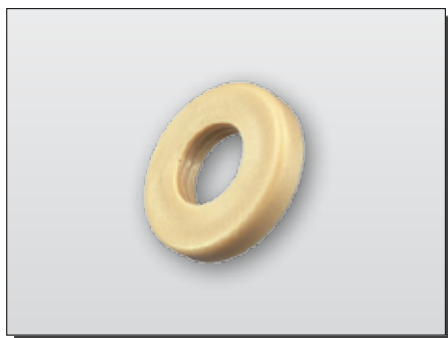


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
31305	PS	20,0	6,0	21,0	
31306	PS	20,0	6,0	22,0	
31307	PS	20,0	6,0	23,0	
31308	PS	20,0	6,0	24,0	
31309	PS	20,0	6,0	25,0	
31310	PS	20,0	6,0	26,0	
31311	PS	20,0	6,0	27,0	
31312	PS	20,0	6,0	28,0	
31313	PS	20,0	6,0	29,0	
31314	PS	20,0	6,0	30,0	
31315	PS	20,0	6,0	32,0	
31343	PS	22,0	6,0	5,0	
31344	PS	22,0	6,0	6,0	
31345	PS	22,0	6,0	7,0	
31346	PS	22,0	6,0	8,0	
31347	PS	22,0	6,0	9,0	
31348	PS	22,0	6,0	10,0	
31349	PS	22,0	6,0	11,0	
31350	PS	22,0	6,0	12,0	
31351	PS	22,0	6,0	13,0	
31352	PS	22,0	6,0	14,0	
31353	PS	22,0	6,0	15,0	
31354	PS	22,0	6,0	16,0	
31355	PS	22,0	6,0	17,0	
31356	PS	22,0	6,0	18,0	
31357	PS	22,0	6,0	19,0	
31358	PS	22,0	6,0	20,0	
31359	PS	22,0	6,0	21,0	
31360	PS	22,0	6,0	22,0	
31361	PS	22,0	6,0	23,0	

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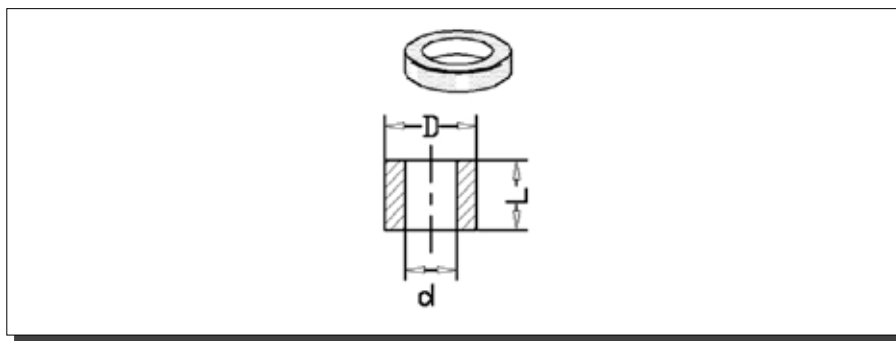
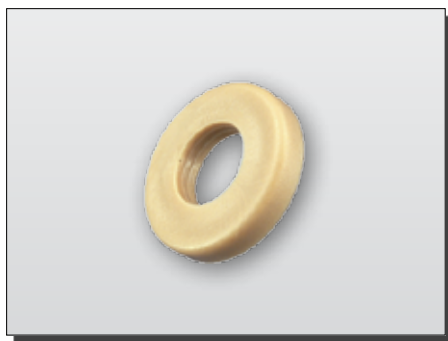
WASHERS



ARTICLE	MATERIAL	D	d	L	NOTE
31362	PS	22,0	6,0	24,0	
31363	PS	22,0	6,0	25,0	
30127	PA	20,0	6,3	20,0	
30050	PE	18,0	6,4	3,0	
30060	PE	18,0	6,4	6,0	
30070	PE	18,0	6,4	10,0	
30750	PA	18,0	6,5	0,8	
30506	PE	18,0	6,5	6,0	
30606	PA	18,0	6,5	6,0	
30507	PE	18,0	6,5	7,0	
30607	PA	18,0	6,5	7,0	
30508	PE	18,0	6,5	8,0	
30608	PA	18,0	6,5	8,0	
30509	PE	18,0	6,5	9,0	
30609	PA	18,0	6,5	9,0	
30510	PE	18,0	6,5	10,0	
30610	PA	18,0	6,5	10,0	
30511	PE	18,0	6,5	11,0	
30611	PA	18,0	6,5	11,0	
30512	PE	18,0	6,5	12,0	
30612	PA	18,0	6,5	12,0	
30513	PE	18,0	6,5	13,0	
30613	PA	18,0	6,5	13,0	
30514	PE	18,0	6,5	14,0	
30614	PA	18,0	6,5	14,0	
30515	PE	18,0	6,5	15,0	
30615	PA	18,0	6,5	15,0	
30516	PE	18,0	6,5	16,0	
30616	PA	18,0	6,5	16,0	
30517	PE	18,0	6,5	17,0	

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WASHERS

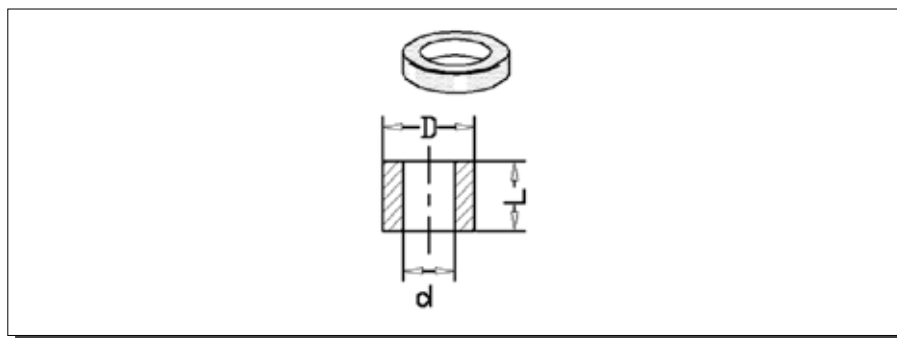
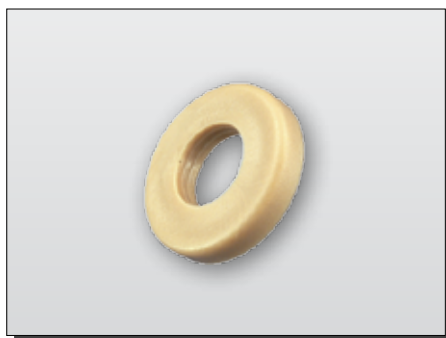


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
30617	PA	18,0	6,5	17,0	
30518	PE	18,0	6,5	18,0	
30618	PA	18,0	6,5	18,0	
30519	PE	18,0	6,5	19,0	
30619	PA	18,0	6,5	19,0	
30520	PE	18,0	6,5	20,0	
30620	PA	18,0	6,5	20,0	
30521	PE	18,0	6,5	21,0	
30621	PA	18,0	6,5	21,0	
30522	PE	18,0	6,5	22,0	
30622	PA	18,0	6,5	22,0	
30523	PE	18,0	6,5	23,0	
30623	PA	18,0	6,5	23,0	
30524	PE	18,0	6,5	24,0	
30624	PA	18,0	6,5	24,0	
30525	PE	18,0	6,5	25,0	
30625	PA	18,0	6,5	25,0	
30526	PE	18,0	6,5	26,0	
30626	PA	18,0	6,5	26,0	
30527	PE	18,0	6,5	27,0	
30627	PA	18,0	6,5	27,0	
30528	PE	18,0	6,5	28,0	
30628	PA	18,0	6,5	28,0	
30529	PE	18,0	6,5	29,0	
30629	PA	18,0	6,5	29,0	
30530	PE	18,0	6,5	30,0	
30630	PA	18,0	6,5	30,0	
30020	PE	15,0	7,0	8,0	
31123	PS	12,0	8,0	3,0	
31124	PS	12,0	8,0	4,0	

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WASHERS

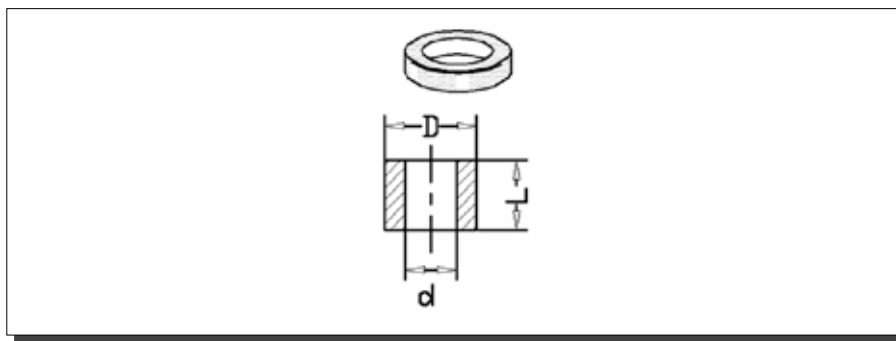
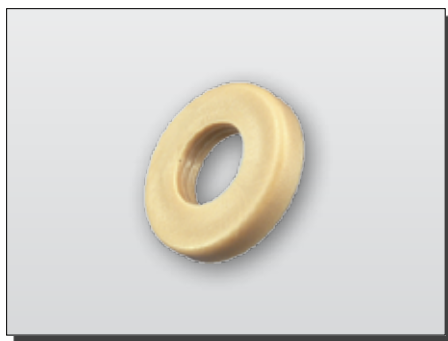


ARTICLE	MATERIAL	D	d	L	NOTE
31125	PS	12,0	8,0	5,0	
31126	PS	12,0	8,0	6,0	
31127	PS	12,0	8,0	7,0	
31128	PS	12,0	8,0	8,0	
31129	PS	12,0	8,0	9,0	
31130	PS	12,0	8,0	10,0	
31131	PS	12,0	8,0	11,0	
31132	PS	12,0	8,0	12,0	
31133	PS	12,0	8,0	13,0	
31134	PS	12,0	8,0	14,0	
31135	PS	12,0	8,0	15,0	
31136	PS	12,0	8,0	16,0	
31137	PS	12,0	8,0	17,0	
31138	PS	12,0	8,0	18,0	
31139	PS	12,0	8,0	19,0	
31140	PS	12,0	8,0	20,0	
31141	PS	12,0	8,0	21,0	
31142	PS	12,0	8,0	22,0	
31143	PS	12,0	8,0	23,0	
31144	PS	12,0	8,0	24,0	
31145	PS	12,0	8,0	25,0	
31146	PS	12,0	8,0	26,0	
31147	PS	12,0	8,0	27,0	
31148	PS	12,0	8,0	28,0	
31149	PS	12,0	8,0	29,0	
31150	PS	12,0	8,0	30,0	
31195	PS	17,0	8,0	5,0	
31218	PS	18,0	8,0	4,0	
31219	PS	18,0	8,0	5,0	
31220	PS	18,0	8,0	6,0	

WASHERS

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WASHERS

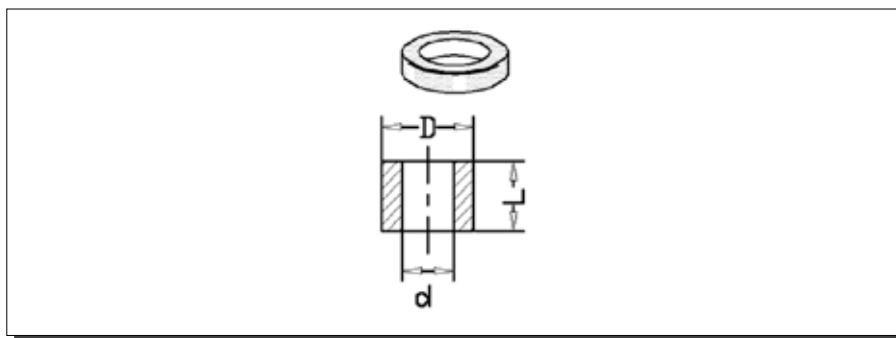
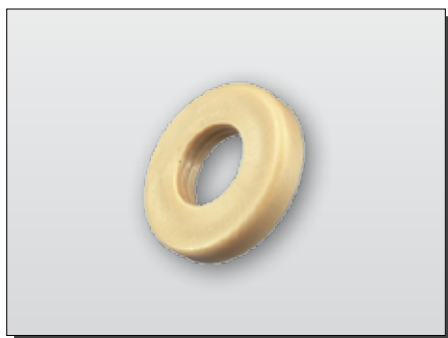


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
31221	PS	18,0	8,0	7,0	
31222	PS	18,0	8,0	8,0	
31223	PS	18,0	8,0	9,0	
31224	PS	18,0	8,0	10,0	
31225	PS	18,0	8,0	11,0	
31226	PS	18,0	8,0	12,0	
31227	PS	18,0	8,0	13,0	
31228	PS	18,0	8,0	14,0	
31229	PS	18,0	8,0	15,0	
31230	PS	18,0	8,0	16,0	
31231	PS	18,0	8,0	17,0	
31232	PS	18,0	8,0	18,0	
31233	PS	18,0	8,0	19,0	
31234	PS	18,0	8,0	20,0	
31235	PS	18,0	8,0	21,0	
31236	PS	18,0	8,0	22,0	
31237	PS	18,0	8,0	23,0	
31238	PS	18,0	8,0	24,0	
31239	PS	18,0	8,0	25,0	
30665	PA	20,0	8,0	4,0	
31316	PS	20,0	8,0	4,0	
31317	PS	20,0	8,0	5,0	
31318	PS	20,0	8,0	6,0	
30340	PE	20,0	8,0	7,0	
31319	PS	20,0	8,0	7,0	
31245	PA	20,0	8,0	8,0	
31320	PS	20,0	8,0	8,0	
31321	PS	20,0	8,0	9,0	
31322	PS	20,0	8,0	10,0	
31323	PS	20,0	8,0	11,0	

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WASHERS

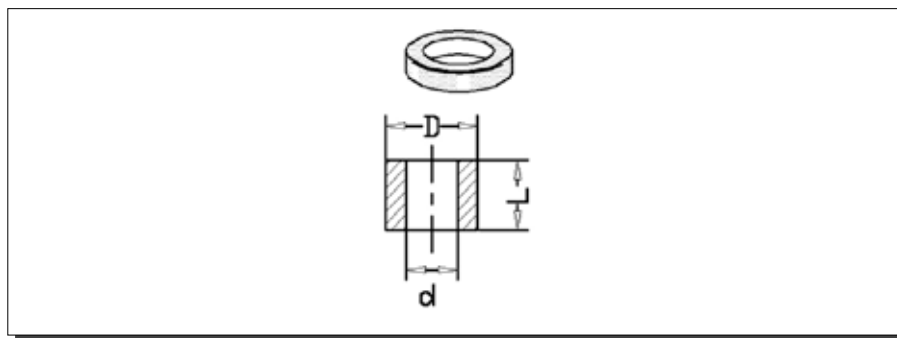
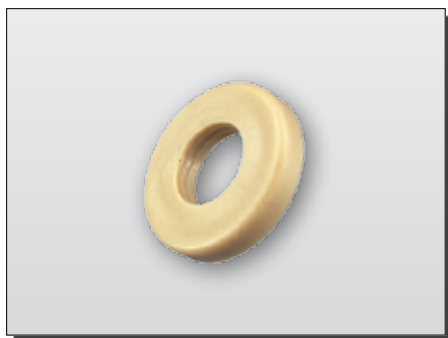


ARTICLE	MATERIAL	D	d	L	NOTE
31324	PS	20,0	8,0	12,0	
31325	PS	20,0	8,0	13,0	
31326	PS	20,0	8,0	14,0	
31327	PS	20,0	8,0	15,0	
31328	PS	20,0	8,0	16,0	
31329	PS	20,0	8,0	17,0	
31330	PS	20,0	8,0	18,0	
31331	PS	20,0	8,0	19,0	
31332	PS	20,0	8,0	20,0	
31333	PS	20,0	8,0	21,0	
31334	PS	20,0	8,0	22,0	
31335	PS	20,0	8,0	23,0	
31336	PS	20,0	8,0	24,0	
31337	PS	20,0	8,0	25,0	
31338	PS	20,0	8,0	26,0	
31339	PS	20,0	8,0	27,0	
31340	PS	20,0	8,0	28,0	
31341	PS	20,0	8,0	29,0	
31342	PS	20,0	8,0	30,0	
30745	PA	14,0	8,4	1,0	
30040	PE	18,0	8,5	3,0	
30900	ABS	20,0	8,5	11,0	
31173	PS	14,0	10,0	4,0	
31174	PS	14,0	10,0	5,0	
31175	PS	14,0	10,0	6,0	
31176	PS	14,0	10,0	7,0	
31177	PS	14,0	10,0	8,0	
31178	PS	14,0	10,0	9,0	
31179	PS	14,0	10,0	10,0	
31180	PS	14,0	10,0	11,0	

WASHERS

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WASHERS

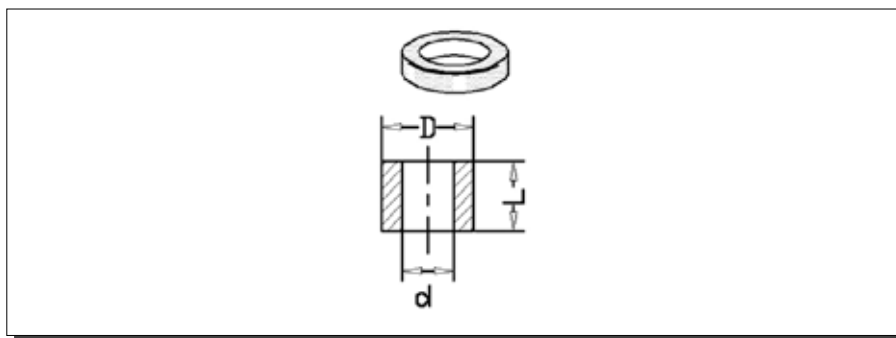
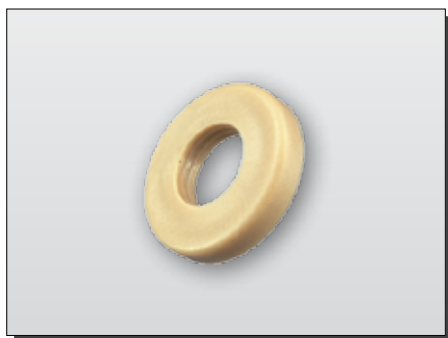


WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
31181	PS	14,0	10,0	12,0	
31182	PS	14,0	10,0	13,0	
31183	PS	14,0	10,0	14,0	
31184	PS	14,0	10,0	15,0	
31185	PS	14,0	10,0	16,0	
31186	PS	14,0	10,0	17,0	
31187	PS	14,0	10,0	18,0	
31188	PS	14,0	10,0	19,0	
31189	PS	14,0	10,0	20,0	
31190	PS	14,0	10,0	21,0	
31191	PS	14,0	10,0	22,0	
31192	PS	14,0	10,0	23,0	
31193	PS	14,0	10,0	24,0	
31194	PS	14,0	10,0	25,0	
30336	PE	16,0	10,0	7,0	
30346	PE	20,0	10,5	0,5	
30030	PE	18,0	11,5	1,0	
30635	PA	18,0	12,0	4,0	
31240	PS	18,0	12,0	4,0	
31241	PS	18,0	12,0	5,0	
31242	PS	18,0	12,0	6,0	
31243	PS	18,0	12,0	7,0	
31244	PS	18,0	12,0	8,0	
31246	PS	18,0	12,0	10,0	
31247	PS	18,0	12,0	11,0	
31248	PS	18,0	12,0	12,0	
31249	PS	18,0	12,0	13,0	
31250	PS	18,0	12,0	14,0	
31251	PS	18,0	12,0	15,0	
31252	PS	18,0	12,0	16,0	

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WASHERS

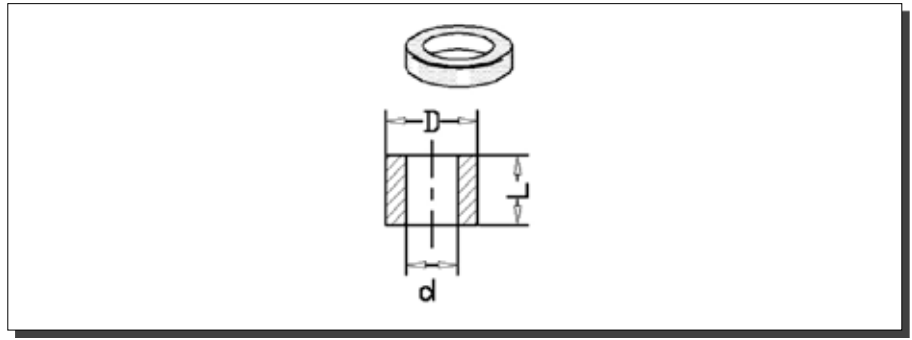


ARTICLE	MATERIAL	D	d	L	NOTE
31253	PS	18,0	12,0	17,0	
31254	PS	18,0	12,0	18,0	
31255	PS	18,0	12,0	19,0	
31256	PS	18,0	12,0	20,0	
31257	PS	18,0	12,0	21,0	
31258	PS	18,0	12,0	22,0	
31259	PS	18,0	12,0	23,0	
31260	PS	18,0	12,0	24,0	
31261	PS	18,0	12,0	25,0	
30105	PE	25,0	12,0	4,0	
30100	PE	21,0	13,5	16,0	
31364	PS	24,0	16,0	5,0	
31365	PS	24,0	16,0	6,0	
31366	PS	24,0	16,0	7,0	
31367	PS	24,0	16,0	8,0	
31368	PS	24,0	16,0	9,0	
31369	PS	24,0	16,0	10,0	
31370	PS	24,0	16,0	11,0	
31371	PS	24,0	16,0	12,0	
31372	PS	24,0	16,0	13,0	
31373	PS	24,0	16,0	14,0	
31374	PS	24,0	16,0	15,0	
31375	PS	24,0	16,0	16,0	
31376	PS	24,0	16,0	17,0	
31377	PS	24,0	16,0	18,0	
31378	PS	24,0	16,0	19,0	
31379	PS	24,0	16,0	20,0	
31380	PS	24,0	18,0	10,0	
31381	PS	28,0	20,0	5,0	
31382	PS	28,0	20,0	6,0	

WASHERS

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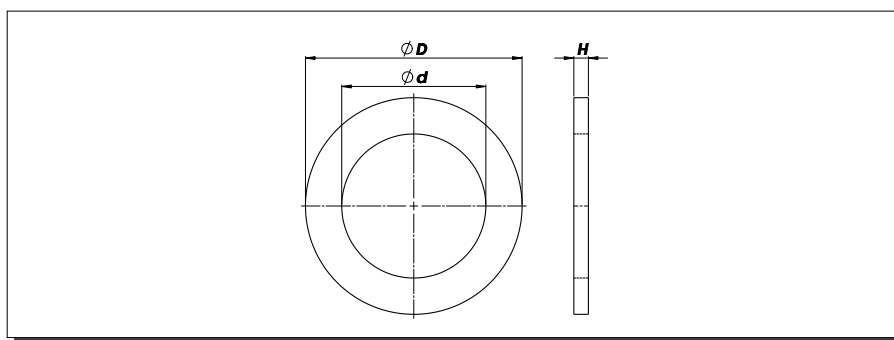
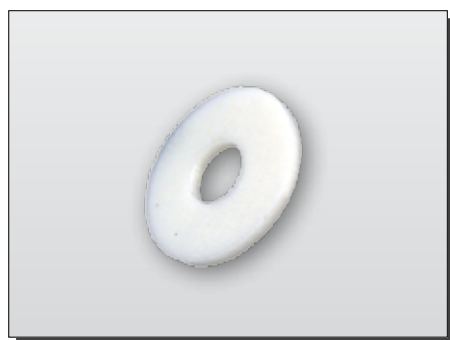
WASHERS



WASHERS

ARTICLE	MATERIAL	D	d	L	NOTE
31383	PS	28,0	20,0	7,0	
31384	PS	28,0	20,0	8,0	
31385	PS	28,0	20,0	9,0	
31386	PS	28,0	20,0	10,0	
31387	PS	28,0	20,0	11,0	
31388	PS	28,0	20,0	12,0	
31389	PS	28,0	20,0	13,0	
31390	PS	28,0	20,0	14,0	
31391	PS	28,0	20,0	15,0	
31392	PS	28,0	20,0	16,0	
31393	PS	28,0	20,0	17,0	
31394	PS	28,0	20,0	18,0	
31395	PS	28,0	20,0	19,0	
31396	PS	28,0	20,0	20,0	
30110	PE	31,5	22,5	3,0	
30170	PA	31,5	22,5	3,0	
30111	PE	31,5	22,5	29,0	
31440	PS	30,0	27,0	50,0	

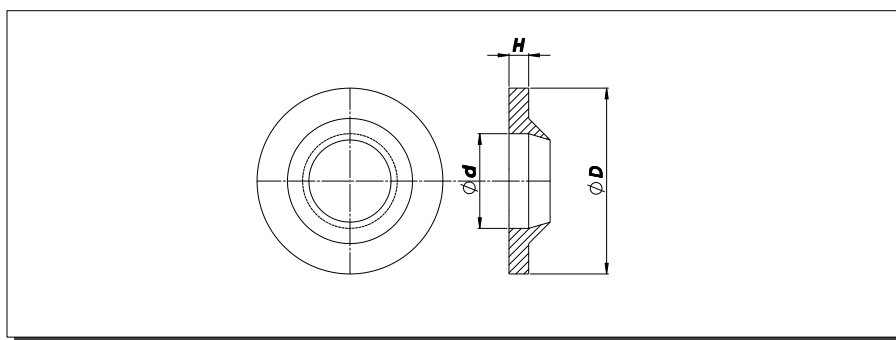
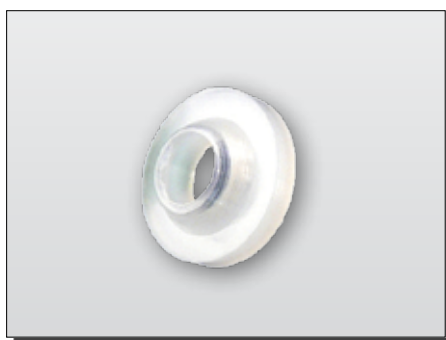
WASHERS



ARTICLE	MATERIAL	D	d	H	Thread	NOTE
32015	PA	6,0	2,7	0,5	M 2,5	according to DIN 125
32020	PA	7,0	3,2	0,5	M 3	according to DIN 125
32030	PA	9,0	4,3	0,8	M 4	according to DIN 125
32040	PA	10,0	5,3	1,0	M 5	according to DIN 125
32050	PA	12,5	6,4	1,5	M 6	according to DIN 125
32055	PA	14,0	7,4	1,5	M 7	according to DIN 125
32060	PA	17,0	8,4	1,5	M 8	according to DIN 125
32070	PA	21,0	10,5	2,0	M 10	according to DIN 125
32080	PA	24,0	13,0	2,5	M 12	according to DIN 125
32090	PA	28,0	15,0	2,5	M 14	according to DIN 125
32100	PA	30,0	17,0	3,0	M 16	according to DIN 125
32105	PA	34,0	19,0	3,0	M 18	according to DIN 125
32110	PA	37,0	21,0	3,0	M 20	according to DIN 125
32120	PA	44,0	25,0	4,0	M 24	according to DIN 125
32125	PA	50,0	28,0	4,0	M 27	according to DIN 125
32130	PA	56,0	31,0	4,0	M 30	according to DIN 125
32135	PA	60,0	34,0	5,0	M 33	according to DIN 125
32200	PA	9,0	3,2	0,8	M 3	according to DIN 9021
32210	PA	12,0	4,3	1,0	M 4	according to DIN 9021
32220	PA	15,0	5,3	1,2	M 5	according to DIN 9021
32230	PA	18,0	6,4	1,6	M 6	according to DIN 9021
32240	PA	24,0	8,4	2,0	M 8	according to DIN 9021
32250	PA	30,0	10,5	2,5	M10	according to DIN 9021
32260	PA	37,0	13,0	3,0	M 12	according to DIN 9021
32270	PA	50,0	17,0	3,0	M 16	according to DIN 9021

WASHERS

FACETTED WASHERS

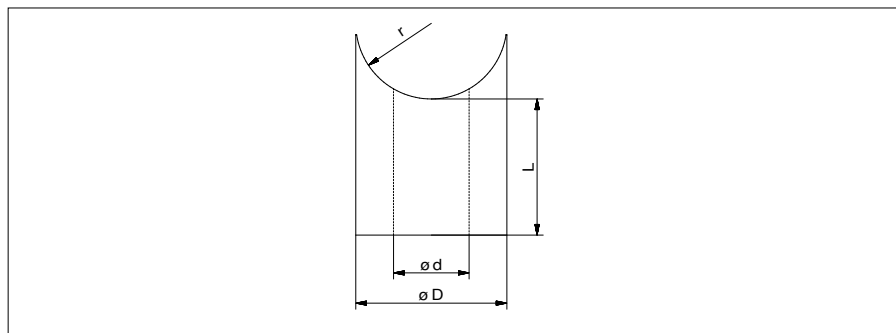
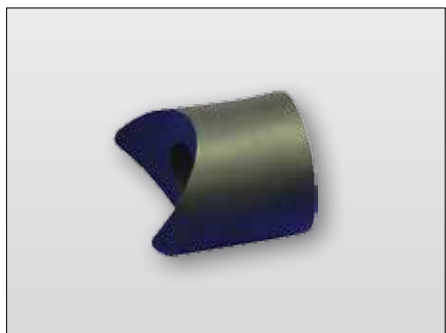


- for window sill screws DIN 7971 and DIN 7981
- captive

ARTICLE	MATERIAL	D	d	H	NOTE
32498	PA	9,0	3,9	1,5	
32499	PA	9,0	4,2	1,8	
32500	PA	10,0	4,8	1,6	
32510	PA	12,5	6,3	1,5	

FACETTED WASHERS

WASHERS WITH RADIUS



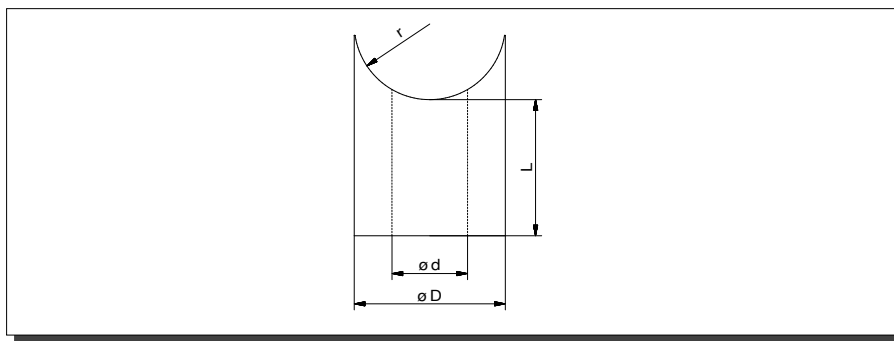
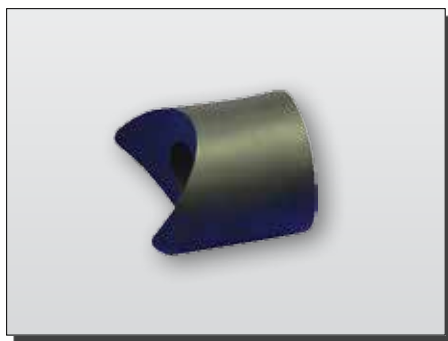
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ARTICLE	MATERIAL	D	d	L	r	NOTE
31397	PS	20,0	10,0	5,0	10	
31398	PS	20,0	10,0	6,0	10	
31399	PS	20,0	10,0	7,0	10	
31400	PS	20,0	10,0	8,0	10	
31401	PS	20,0	10,0	9,0	10	
31402	PS	20,0	10,0	10,0	10	
31403	PS	20,0	10,0	11,0	10	
31404	PS	20,0	10,0	12,0	10	
31405	PS	20,0	10,0	13,0	10	
31406	PS	20,0	10,0	14,0	10	

WASHERS WITH RADIUS

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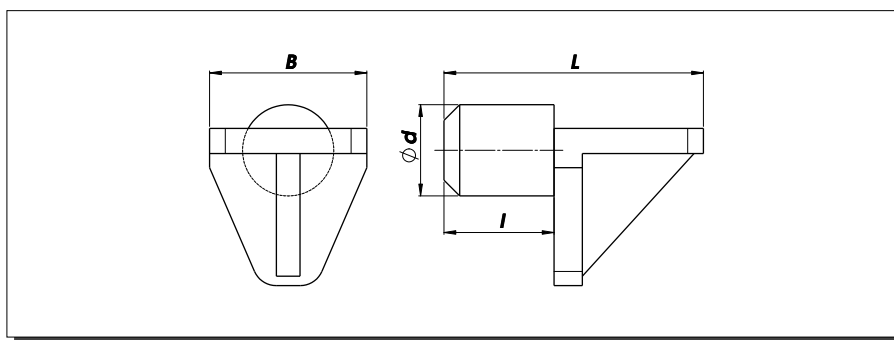
WASHERS WITH RADIUS



WASHERS WITH RADIUS

ARTICLE	MATERIAL	D	d	L	r	NOTE
31407	PS	20,0	10,0	15,0	10	
31408	PS	20,0	10,0	16,0	10	
31409	PS	20,0	10,0	17,0	10	
31410	PS	20,0	10,0	18,0	10	
31411	PS	20,0	10,0	19,0	10	
31412	PS	20,0	10,0	20,0	10	
31413	PS	20,0	10,0	21,0	10	
31414	PS	20,0	10,0	22,0	10	
31415	PS	20,0	10,0	23,0	10	
31416	PS	22,0	6,0	5,0	15	
31417	PS	22,0	6,0	6,0	15	
31418	PS	22,0	6,0	7,0	15	
31419	PS	22,0	6,0	8,0	15	
31420	PS	22,0	6,0	9,0	15	
31421	PS	22,0	6,0	10,0	15	
31422	PS	22,0	6,0	11,0	15	
31423	PS	22,0	6,0	12,0	15	
31424	PS	22,0	6,0	13,0	15	
31425	PS	22,0	6,0	14,0	15	
31426	PS	22,0	6,0	15,0	15	
31427	PS	22,0	6,0	16,0	15	
31428	PS	22,0	6,0	17,0	15	
31429	PS	22,0	6,0	18,0	15	
31430	PS	22,0	6,0	19,0	15	
31431	PS	22,0	6,0	20,0	15	
31432	PS	22,0	6,0	21,0	15	
31433	PS	22,0	6,0	22,0	15	
31434	PS	22,0	6,0	23,0	15	
31435	PS	22,0	6,0	24,0	15	
31436	PS	22,0	6,0	25,0	15	

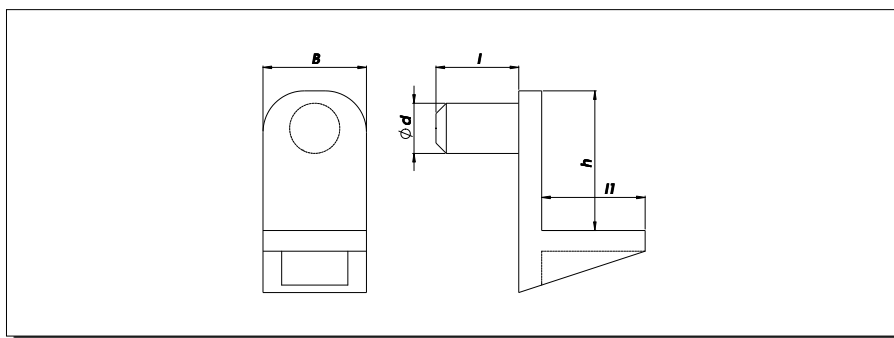
SHELF SUPPORTS



- angled shelf support

ARTICLE	MATERIAL	d	L	B	l	NOTE
35005	PA	4,0	17,0	10,5	8,0	
35010	PA	5,0	16,5	10,0	7,0	
35030	PA	5,0	22,0	12,0	7,0	with maximised support area
35031	PA	5,0	17,0	6,0	9,0	with minimised support area
35032	PA	5,0	13,0	10,0	10,0	
35020	PA	6,0	16,5	10,0	7,0	
35021	PA	7,0	16,5	10,0	7,0	
35040	PA	7,0	22,0	12,0	7,0	with maximised support area
35022	PA	8,0	16,5	10,0	7,0	

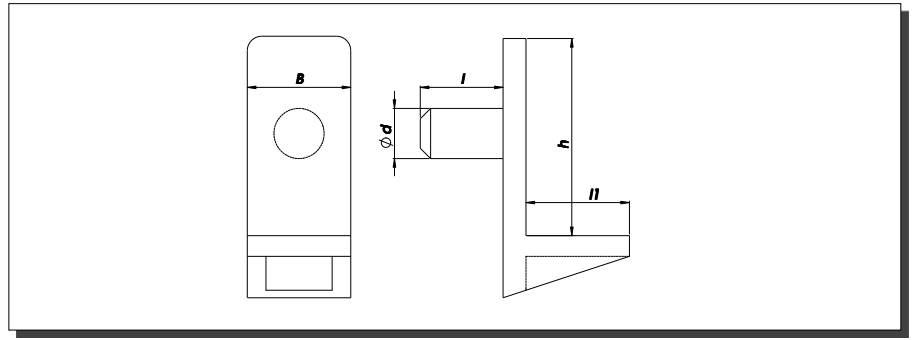
SHELF SUPPORTS



- shovel shape, angled

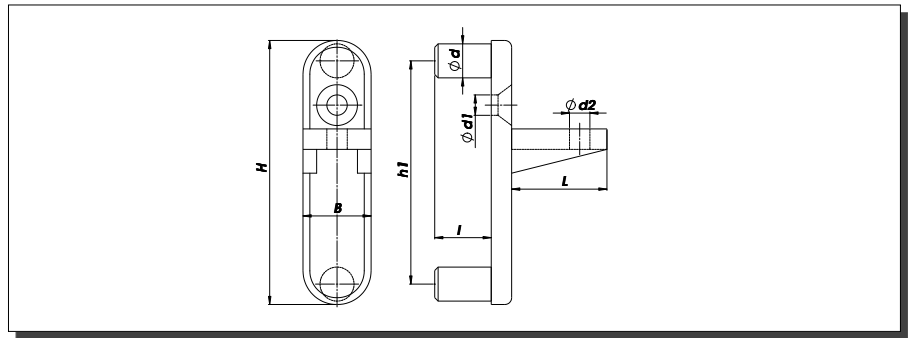
ARTICLE	MATERIAL	d	h	B	l	l1	NOTE
35300	PA	5,0	14,0	10,0	8,0	9,5	

SHELF SUPPORTS



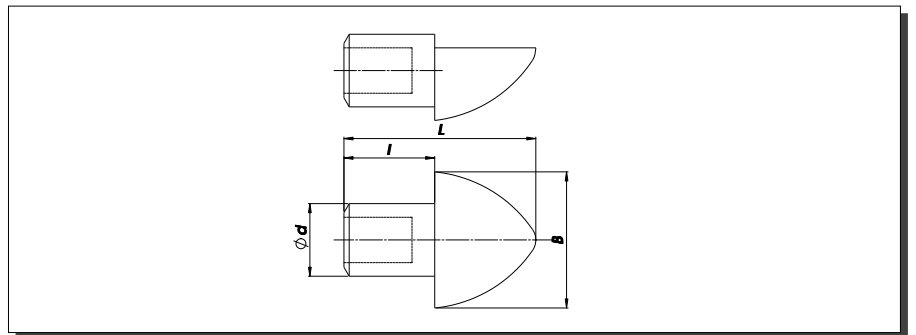
- shovel shape, angled

ARTICLE	MATERIAL	d	h	l1	B	l	NOTE
35301	PA	5,0	20,0	10,0	10,0	8,0	



- shovel shape, angled with two dowels

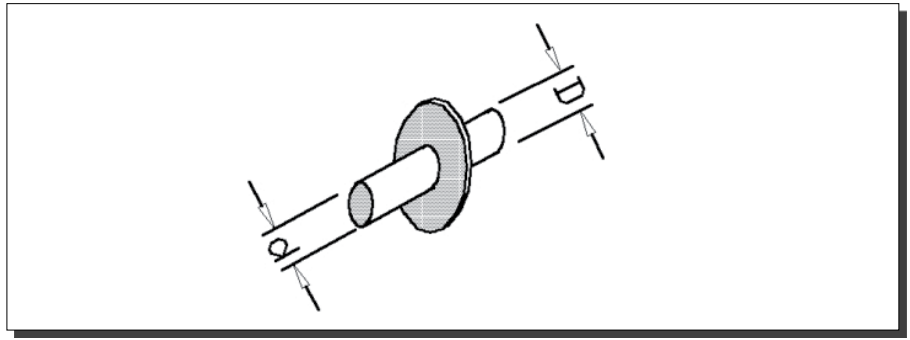
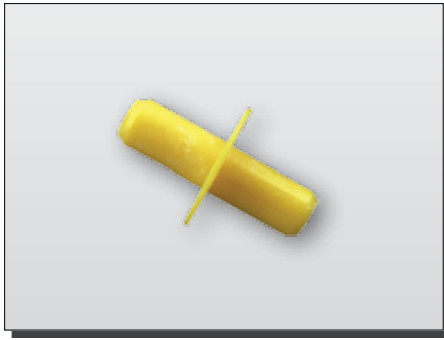
ARTICLE	MATERIAL	d	L	H	h1	d1	d2	B	NOTE
35315	PA	5,0	14,0	39,0	32,0	3,0	3,0	10,0	



- tear-drop shape

ARTICLE	MATERIAL	d	L	B	l	NOTE
35000	PA	6,0	21,0	15,0	9,5	
35001	PA	7,0	21,0	15,0	9,5	
35002	PE	8,0	21,0	15,0	9,5	

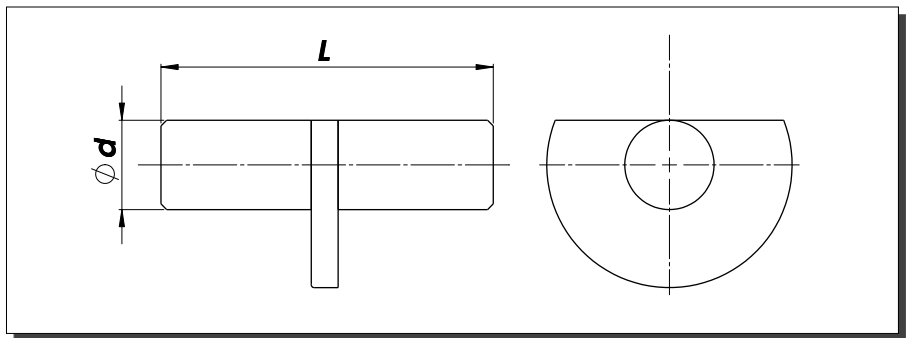
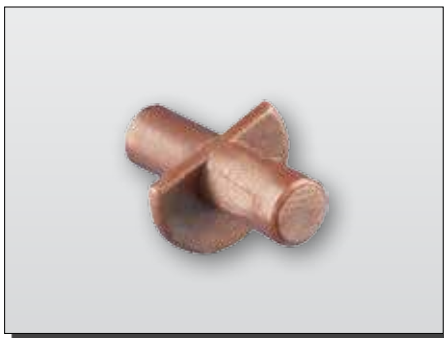
SHELF SUPPORTS



- shelf support plug with collar

ARTICLE	MATERIAL	D	d	NOTE
35050	PA	5,0	5,0	
35060	PA	6,0	5,0	
35063	PA	6,0	6,0	
35064	PA	6,0	8,0	

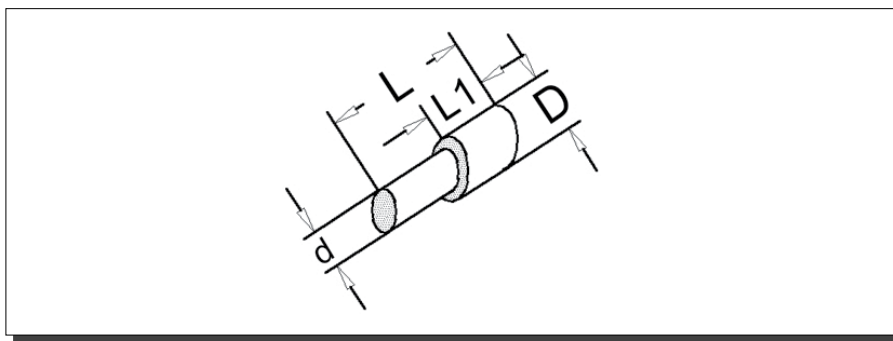
SHELF SUPPORTS



- shelf support plug with half collar

ARTICLE	MATERIAL	d	L	NOTE
35100	PA	5,0	17,0	

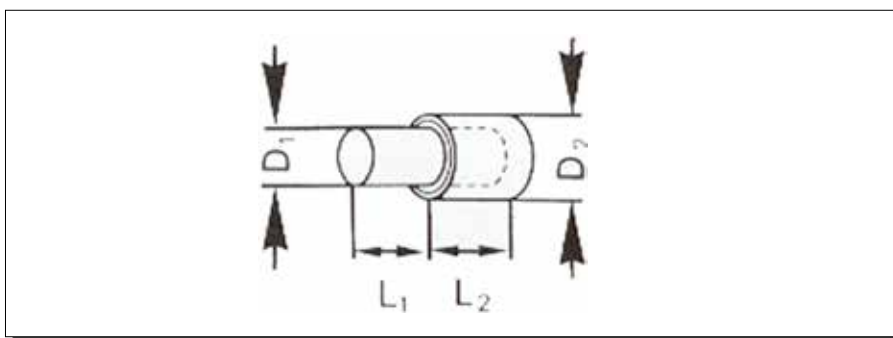
SHELF SUPPORTS



- shelf support plug without collar

ARTICLE	MATERIAL	D	d	L	L1	NOTE
35121	PE	6,0	5,0	10,5	4,0	
35125	PA	7,0	5,0	18,5	10,0	
35120	PA	8,0	5,0	14,6	8,0	
35130	PE	8,0	5,0	14,6	8,0	

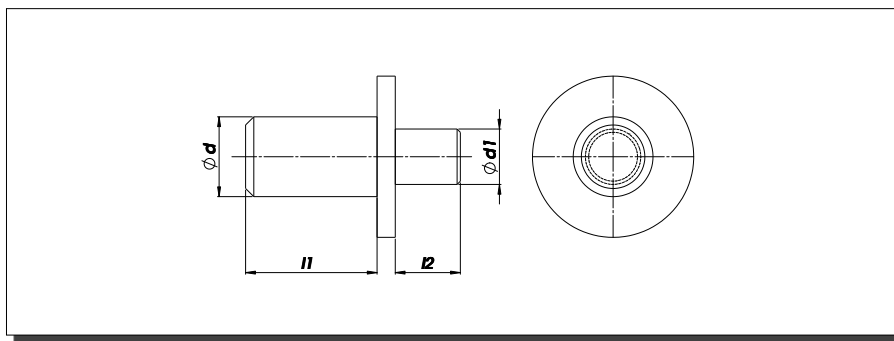
SHELF SUPPORTS



- shelf supports
- with and without plastic cap

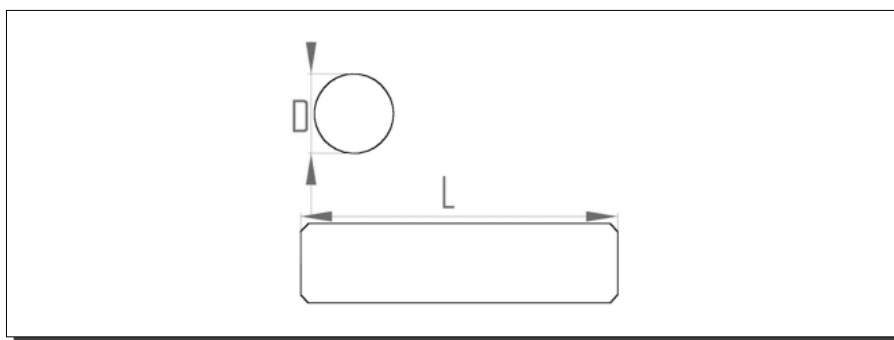
ARTICLE	MATERIAL	L1	L2	D1	D2	NOTE
35150	Fe	7,7	7,5	5,0	5,0	shiny zinc coat
35155	FePE	7,7	7,5	5,0	7,0	shiny zinc coat

SHELF SUPPORTS



- shelf supports

ARTICLE	MATERIAL	d	L	d1	l1	l2	NOTE
35165	PA	5,0	13,0	3,5	8,0	4,0	
35157	PA	5,0	30,0	5,0	20,0	9,0	

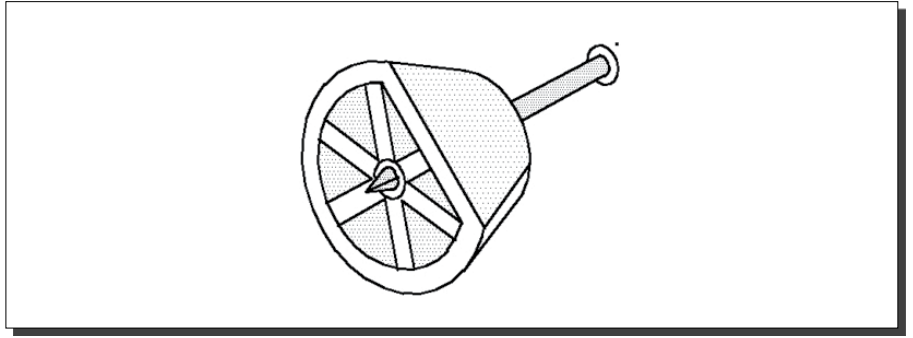


- shelf support plug without collar

ARTICLE	MATERIAL	D	L	NOTE
35180	PA	5,0	10,0	
35182	PA	5,0	15,0	
35184	PA	5,0	20,0	
35186	PA	5,0	25,0	

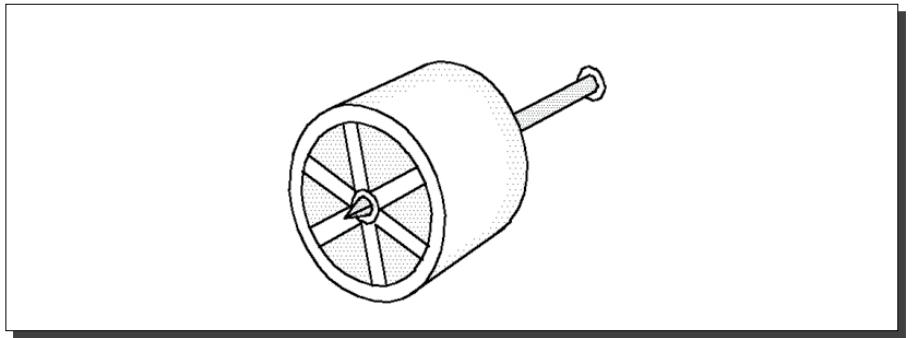
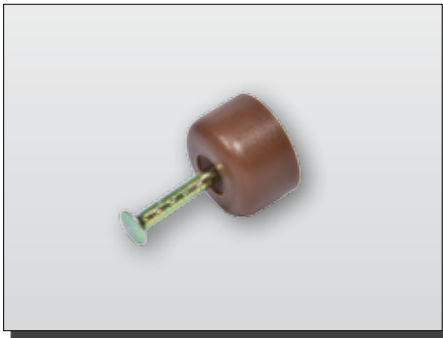
SHELF SUPPORTS

SHELF SUPPORTS



- shelf support with nail

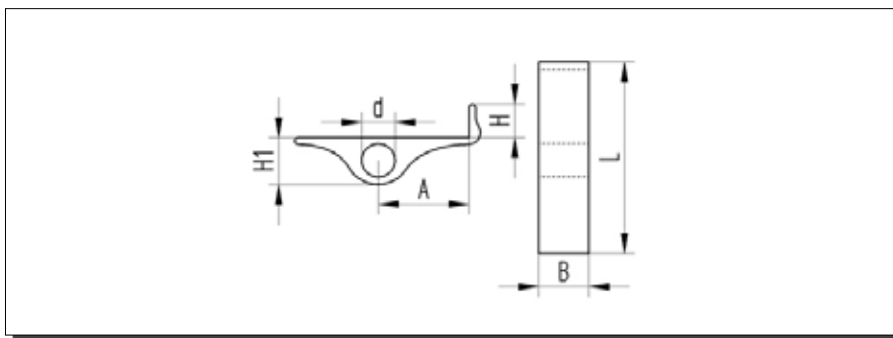
ARTICLE	MATERIAL	NOTE
35230	PE	



- shelf support with nail

ARTICLE	MATERIAL	NOTE
35235	PE	

SHELF SUPPORT

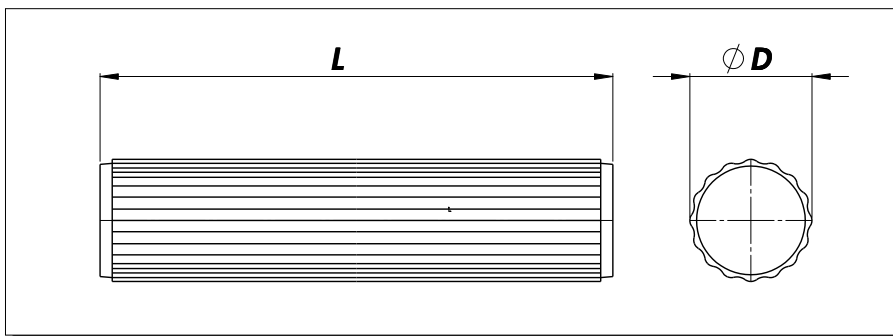


- for glass shelves, matching our metal shelf supports #35150

ARTICLE	MATERIAL	d	L	H	H1	B	A	NOTE
45460	PA	5,0	28,6	5,0	7,0	7,5	13,5	
45465	PC	5,0	28,6	5,0	7,0	7,5	13,5	

SHELF SUPPORTS

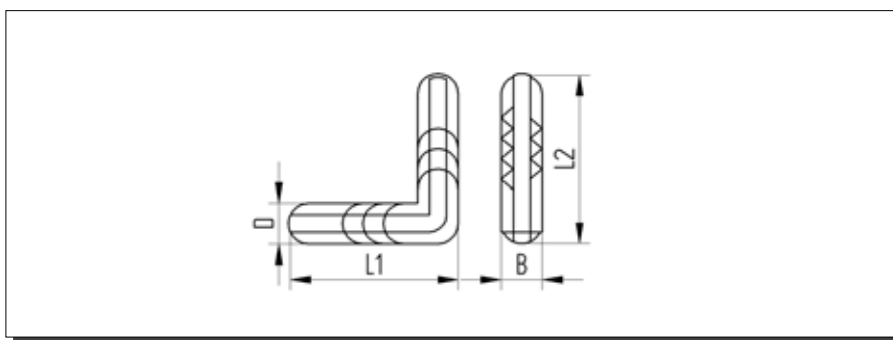
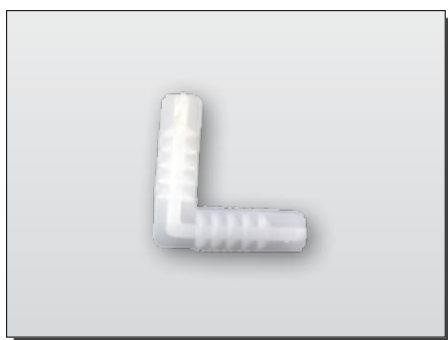
DOWELS



ARTICLE	MATERIAL	D	L	NOTE
21660	PA	5,0	24,0	
46816	PE	8,0	40,0	

DOWELS

ANGLED DOWELS

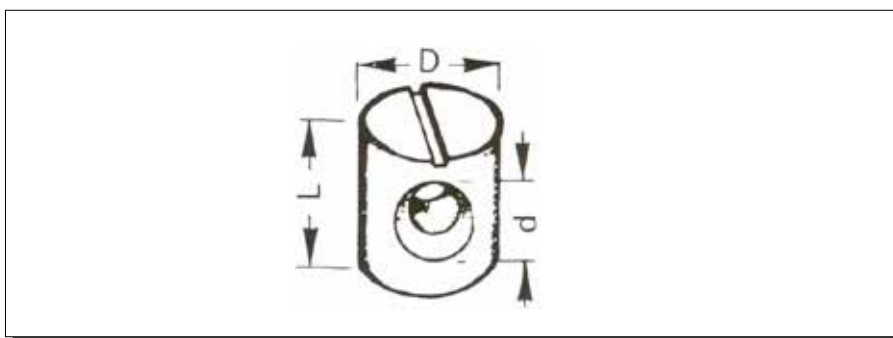
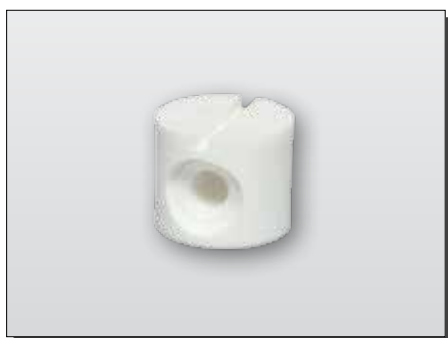


- to connect with red wooden boards

ARTICLE	MATERIAL	D	L2	L1	B	NOTE
47100	PE	6,0	25,0	25,0	6,0	
47095	PE	7,8	24,0	24,0	7,8	
47105	PE	8,0	30,0	30,0	8,0	

ANGLED DOWELS

CROSS DOWELS

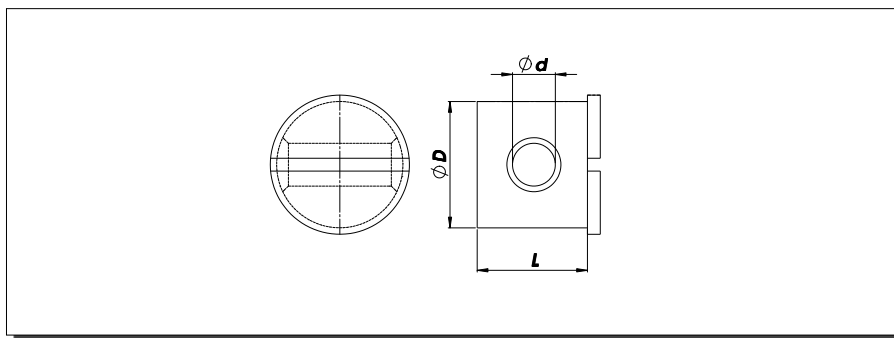


- drilled for self tapping screws

ARTICLE	MATERIAL	D	d	L	NOTE
46300	PA	12,0	3,5	9,0	
46310	PA	12,0	3,5	10,0	

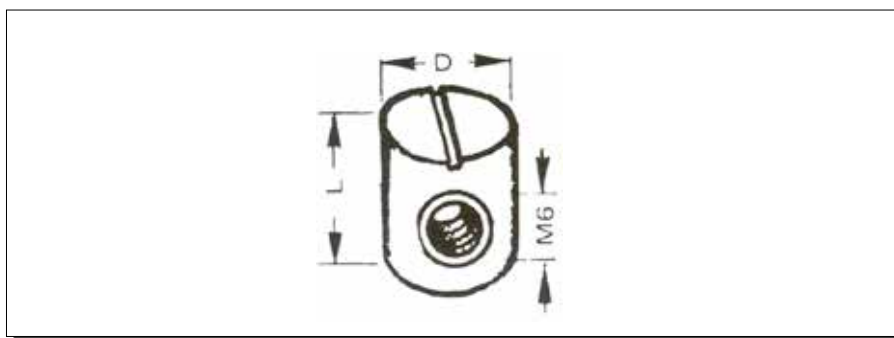
CROSS DOWELS

CROSS DOWELS



- with collar

ARTICLE	MATERIAL	D	d	L	NOTE
46320	PA	12,0	4,0	11,0	

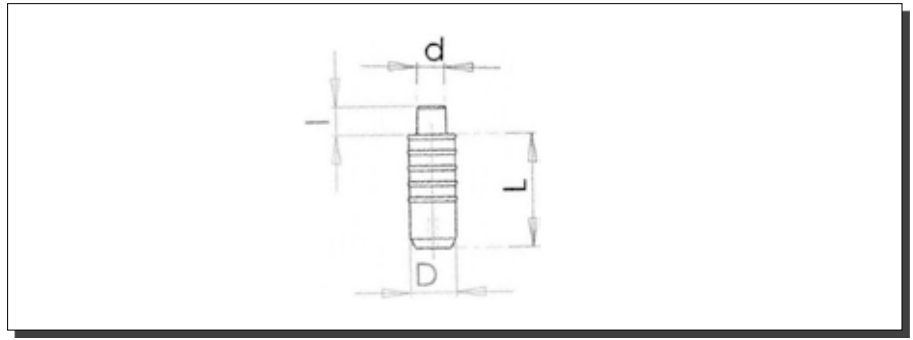
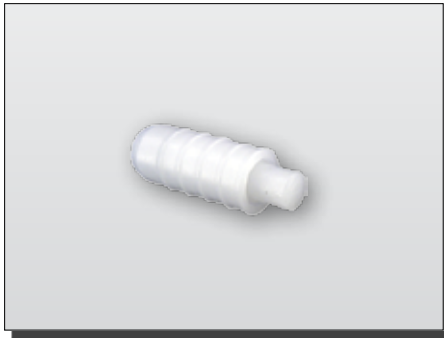


- threaded

ARTICLE	MATERIAL	D	L	Thread	NOTE
46330	PA	12,0	10,0	M 6	
46340	PA	12,0	13,0	M 6	

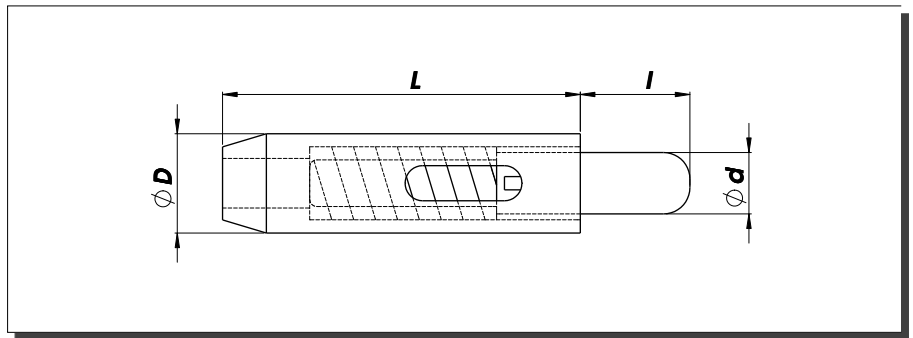
CROSS DOWELS

SNAP CONNECTORS



- with pressure spring

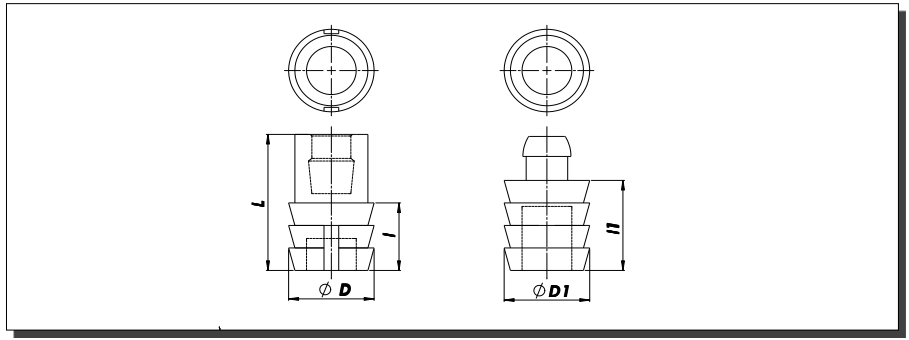
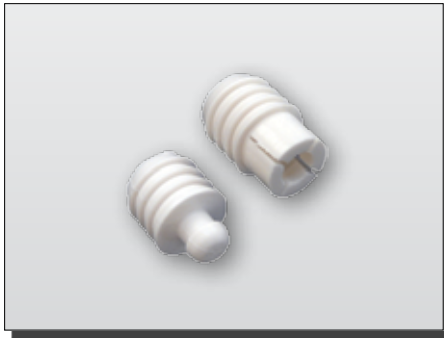
ARTICLE	MATERIAL	D	d	L	I	NOTE
46405	PE/PA	7,0	3,0	25,0	5,0	with round latch
46410	PE/PA	7,0	4,0	25,0	7,0	with round latch
46445	PE	10,0	3,5	24,0	5,0	with round latch
46465	PE	10,0	2,0	24,0	6,5	with flat latch
46450	PE	10,0	6,0	24,0	6,5	with round latch
46470	PE	10,0	6,0	24,0	6,5	with rounded pin



- with pressure spring

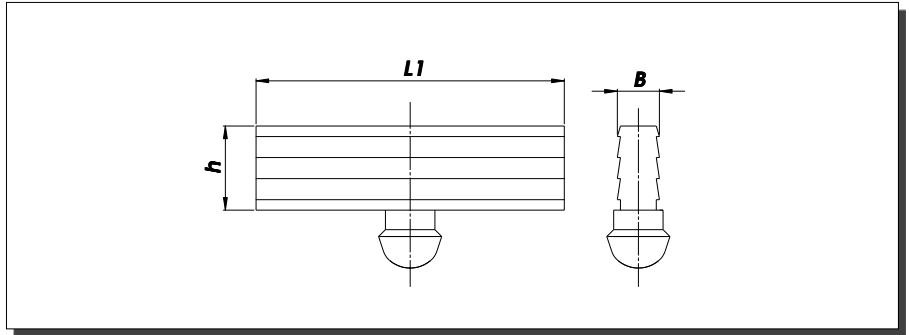
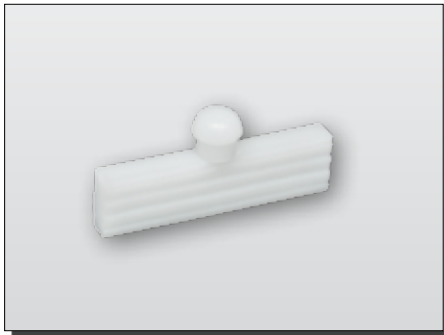
ARTICLE	MATERIAL	D	d	L	I	NOTE
46430	PE	7,0	4,5	25,0	8,0	with round latch / slotted version

SNAP CONNECTORS



- sleeve and pin

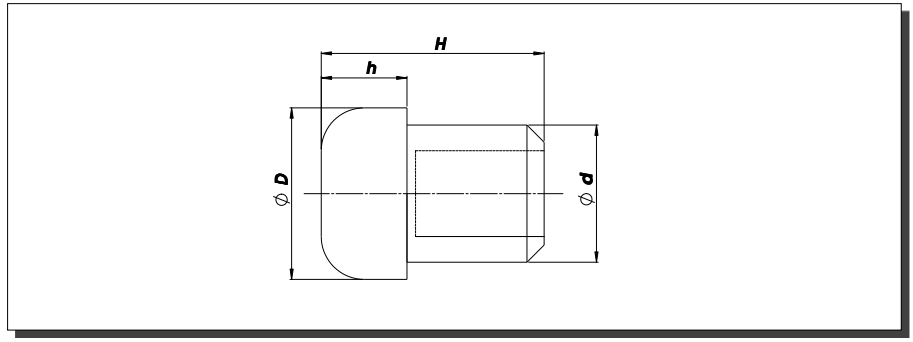
ARTICLE	MATERIAL	D	L	l1	D1	l	NOTE
46485	PA/POM	11,0	13,0	10,0	11,0	7,0	
46490	PA/POM	11,0	15,0	10,0	11,0	9,0	
46580	PE/PA	19,0	12,0	10,0	11,0	6,0	



- with bar, matching sleeve 46485 and 46490

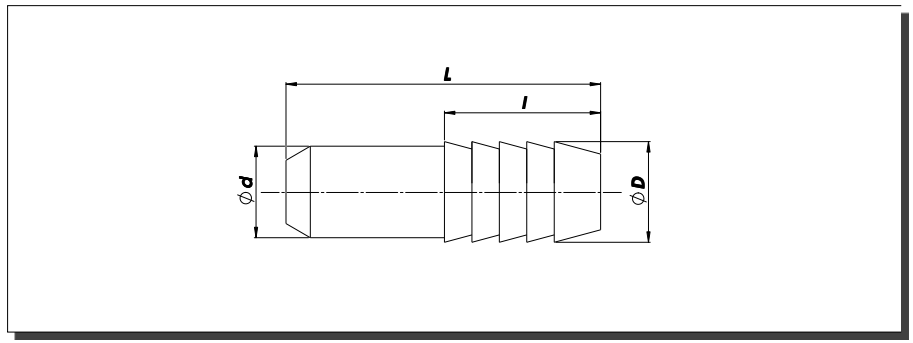
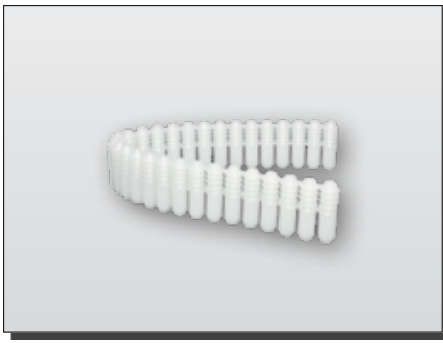
ARTICLE	MATERIAL	h	L1	B	NOTE
46495	PA/POM	13,0	30,0	3,0	
46500	PA/POM	15,0	30,0	3,0	

JOINING PINS



ARTICLE	MATERIAL	D	d	H	h	NOTE
46800	PS	8,0	5,0	13,0	5,0	
46811	PS	10,0	8,0	13,0	5,0	

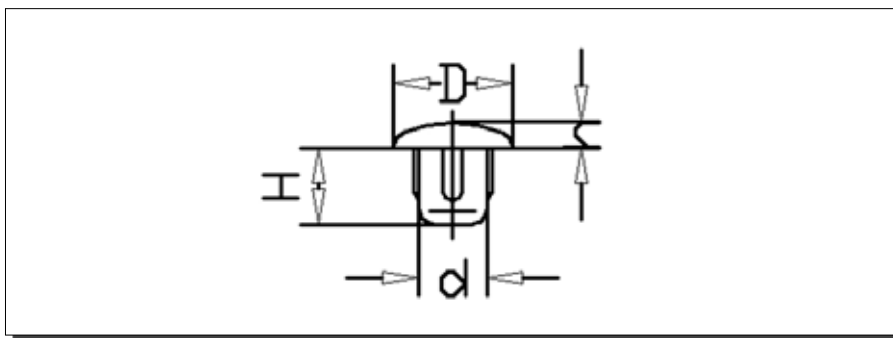
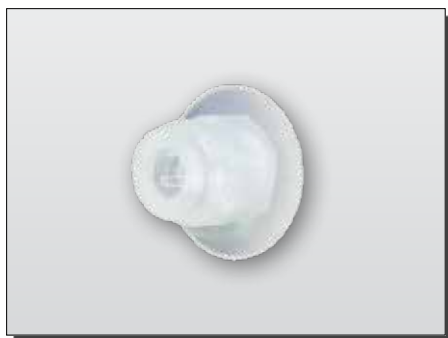
JOINING PINS



- in strips of 30 units

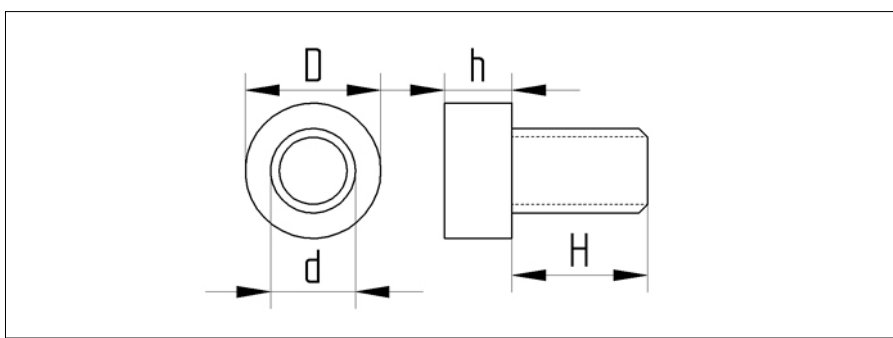
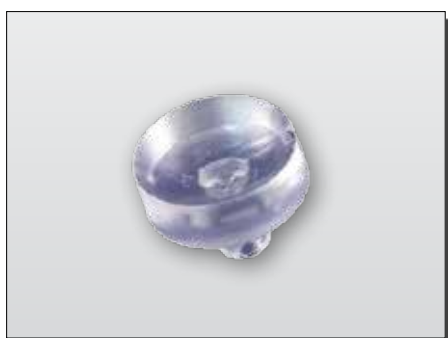
ARTICLE	MATERIAL	D	d	L	I	NOTE
46805	PE	6,5	6,0	22,0	11,0	
46820	PE	9,5	9,0	27,0	18,0	

DOOR END STOPS



ARTICLE	MATERIAL	D	d	H	h	NOTE
21801	EVA	8,0	5,0	5,0	1,5	
21802	EVA	8,0	5,0	5,0	2,0	
21800	EVA	8,0	6,0	6,0	1,5	

GLASS SHELF FOOTERS

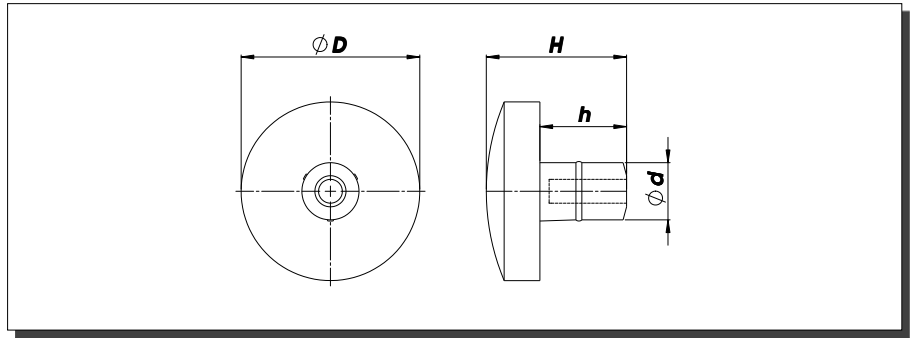


ARTICLE	MATERIAL	D	d	H	h	NOTE
41305	PVC	8,0	5,0	8,0	4,0	
41310	PVC	11,0	5,0	8,0	3,5	
41350	PVC	15,0	5,0	8,0	5,0	
41315	PVC	11,0	6,0	8,0	3,5	
41355	PVC	15,0	6,0	8,0	5,0	
41360	PVC	15,0	8,0	8,0	5,0	

DOOR END STOPS

GLASS SHELF FOOTERS

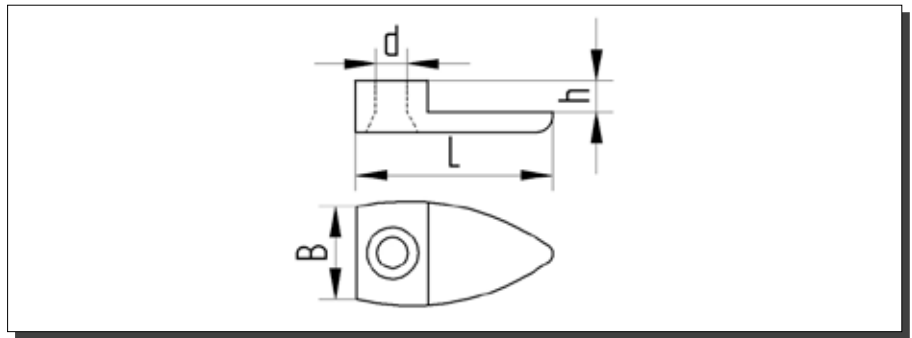
GLASS SHELF FOOTERS



ARTICLE	MATERIAL	D	d	H	h	NOTE
41365	PVC	15,0	5,0	12,0	7,0	

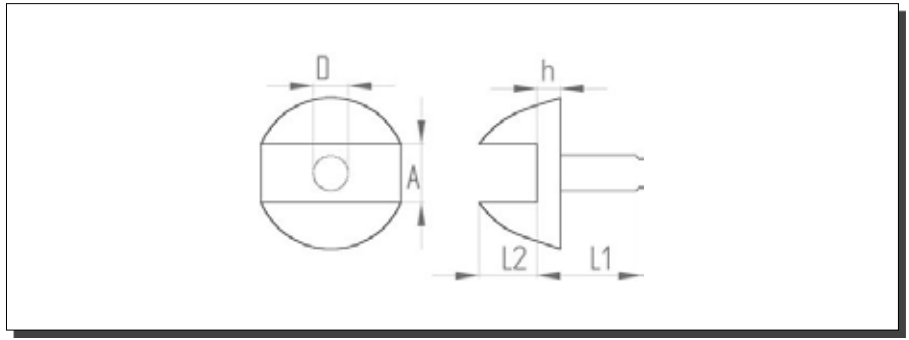
GLASS AND MIRROR CLAMPS

GLASS AND MIRROR CLAMPS



ARTICLE	MATERIAL	d	L	h	B	NOTE
41205	PC	3,0	19,0	3,0	9,0	
41200	PC	3,0	19,0	4,0	9,0	

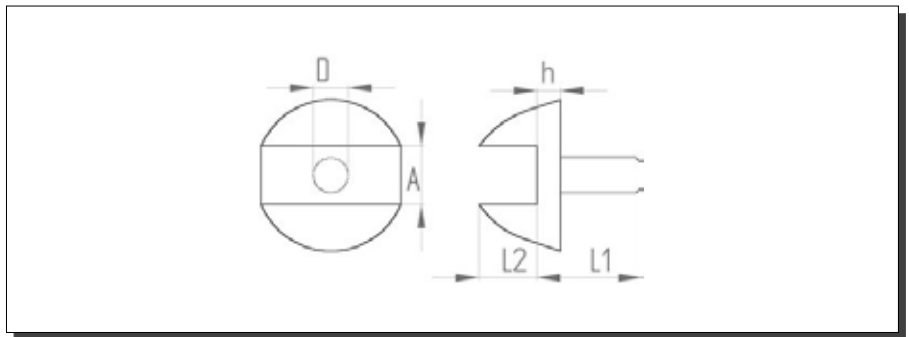
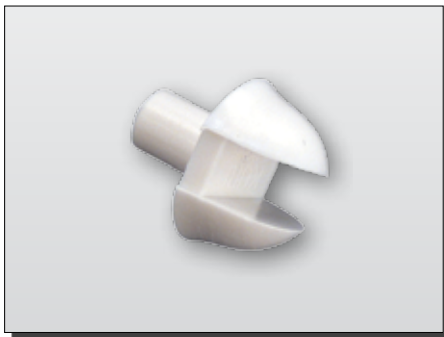
GLASS PLATE SUPPORT



ARTICLE	MATERIAL	D	h	L1	L2	A	NOTE
45005	PC	3,0	2,0	8,0	7,0	4,0	
45025	PC	3,0	2,0	8,0	7,0	4,9	
45015	PC	3,0	2,0	8,0	7,0	6,0	
45045	PC	5,0	2,0	8,0	7,0	4,0	
45055	PC	5,0	2,0	8,0	7,0	4,5	
45065	PC	5,0	2,0	8,0	7,0	5,5	
45075	PC	5,0	2,0	8,0	7,0	6,8	
45105	PC	7,0	2,0	8,0	7,0	6,8	
45120	PC	8,0	2,0	8,0	7,0	4,5	
45165	PC	8,0		8,0	9,0	4,5	continuous slot
45130	PC	8,0	2,0	8,0	7,0	5,5	
45140	PC	8,0	2,0	8,0	7,0	6,8	

GLASS PLATE SUPPORT

FIXED SHELF-HOLDERS

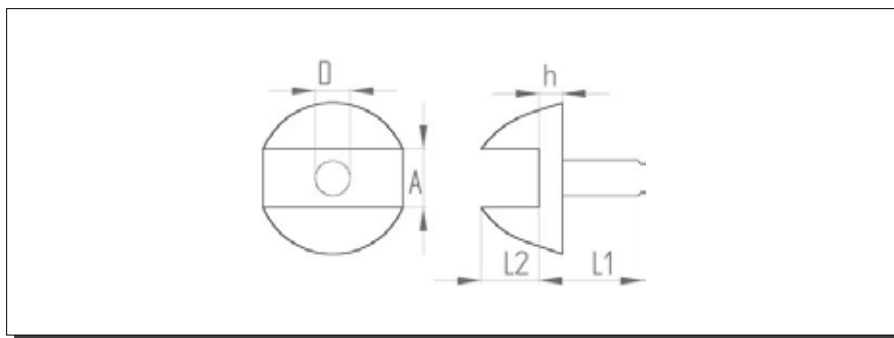
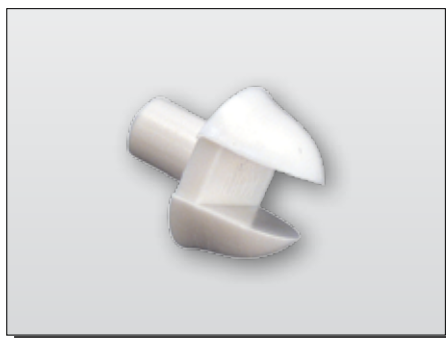


ARTICLE	MATERIAL	D	h	L1	L2	A	NOTE
45000	PA	3,0	2,0	8,0	7,0	4,0	
45020	PA	3,0	2,0	8,0	7,0	4,9	

FIXED SHELF-HOLDERS

Continued on next Page

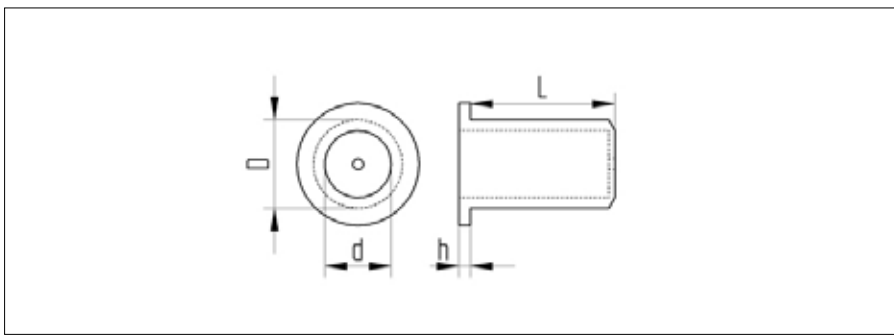
FIXED SHELF-HOLDERS



FIXED SHELF-HOLDERS

ARTICLE	MATERIAL	D	h	L1	L2	A	NOTE
45010	PA	3,0	2,0	8,0	7,0	6,0	
45040	PA	5,0	2,0	8,0	7,0	4,0	
45050	PA	5,0	2,0	8,0	7,0	4,5	
45060	PA	5,0	2,0	8,0	7,0	5,5	
45070	PA	5,0	2,0	8,0	7,0	6,8	
45110	PS	7,0	2,0	8,0	7,0	6,8	
45125	PS	8,0	2,0	8,0	7,0	4,5	
45160	PA	8,0		8,0	9,0	4,5	continuous slot
45135	PS	8,0	2,0	8,0	7,0	5,5	
45145	PS	8,0	2,0	8,0	7,0	6,8	

SLEEVES

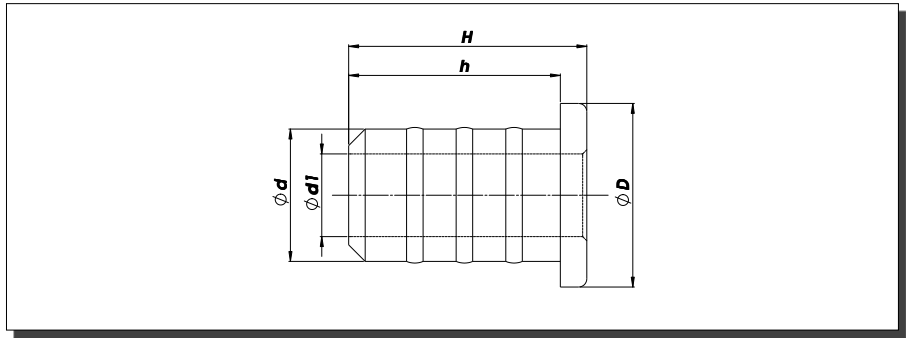


- with collar and bottom

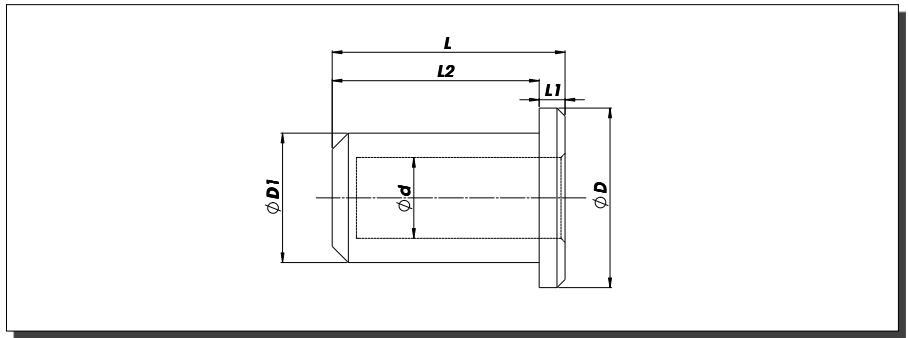
SLEEVES

ARTICLE	MATERIAL	D	d	L	h	NOTE
45260	PS	8,0	5,0	8,0	1,5	
45340	PS	8,0	5,3	8,0	1,3	
45265	PS	8,0	5,0	13,0	1,5	
45295	PS	8,0	6,0	13,0	1,5	

BEARING BUSH



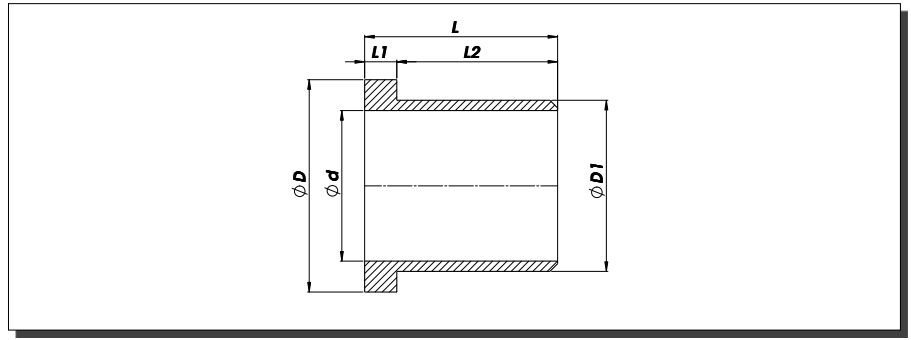
ARTICLE	MATERIAL	D	d	H	h	d1	NOTE
45255	PS	11,0	8,0	14,5	13,0	5,0	



ARTICLE	MATERIAL	D	d	L	L1	L2	D1	NOTE
47550	PS	10,0	3,5	6,0	1,5	4,5	6,0	
47585	PS	13,0	5,0	20,0	2,5	17,5	9,0	

BEARING BUSH

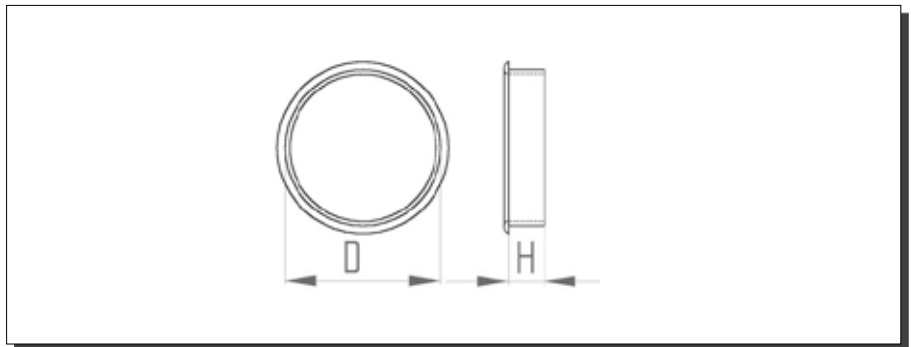
BEARING BUSH



BEARING BUSH

ARTICLE	MATERIAL	D	d	L	L1	L2	D1	NOTE
47555	PS	12,0	5,0	8,0	1,5	6,5	6,5	
47560	PS	9,0	5,0	8,5	2,0	6,5	6,5	
47565	PS	9,0	5,0	9,5	3,0	6,5	6,5	
47575	PA	12,0	7,0	16,0	1,0	15,0	10,0	
47570	PS	15,0	10,5	14,0	3,0	11,0	12,5	

RECESSED HANDLES



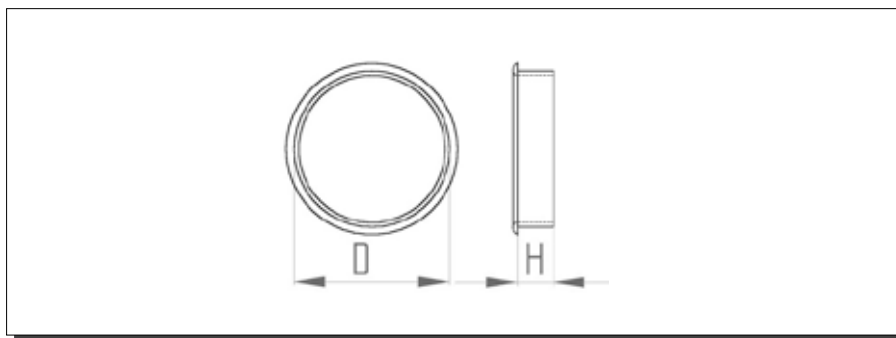
- the recessed handles without bottoms can also be used as cable glands

RECESSED HANDLES

ARTICLE	MATERIAL	D	H	NOTE
40455	PS	25,0	14,0	with collar, without bottom
40465	PS	35,0	8,0	with collar, without bottom
40470	PS	35,0	10,0	with collar, without bottom
40475	PS	35,0	16,0	with collar, without bottom
40495	PS	45,0	11,0	with collar, without bottom
40500	PS	45,0	13,0	with collar, without bottom
40505	PS	45,0	16,0	with collar, without bottom
40540	PS	65,0	15,0	with collar, without bottom

Continued on next Page

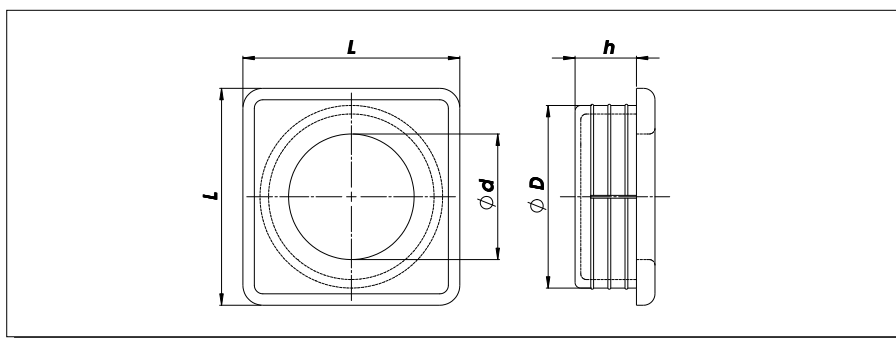
RECESSED HANDLES



- the recessed handles without bottoms can also be used as cable glands

ARTICLE	MATERIAL	D	H	NOTE
40545	PS	65,0	25,0	with collar, without bottom
40550	PS	65,0	28,0	with collar, without bottom
41015	PE	95,0	30,0	with collar, without bottom
40480	PS	35,0	8,0	with collar and bottom
40485	PS	35,0	11,0	with collar and bottom
40490	PS	35,0	13,0	with collar and bottom
40515	PS	45,0	13,0	with collar and bottom
40555	PS	65,0	28,0	with collar and bottom
40530	PS	45,0	13,0	with domed collar and bottom

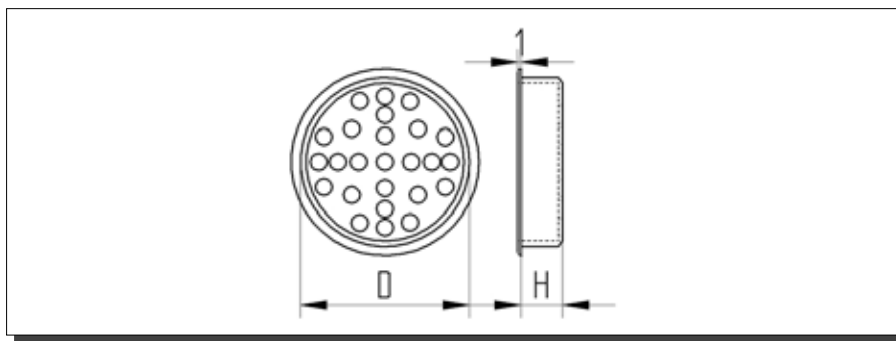
RECESSED HANDLES



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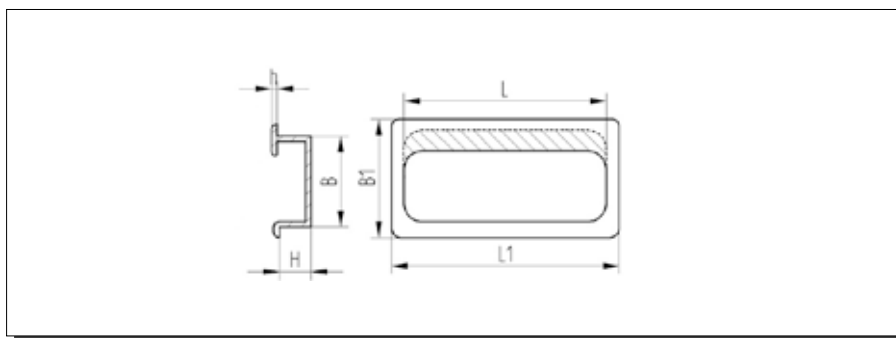
ARTICLE	MATERIAL	D	d	L	h	NOTE
40460	ABS	32,0	22,0	38,0	11,0	

RECESSED HANDLES

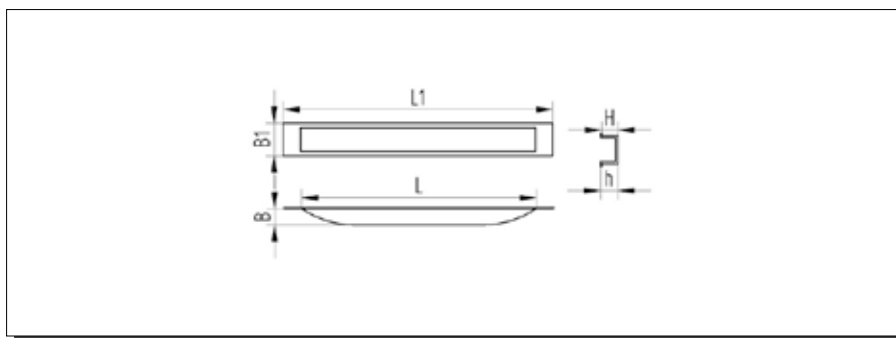


ARTICLE	MATERIAL	D	H	NOTE
40520	PA	45,0	11,0	with sieve bottom
40525	PA	45,0	13,0	with sieve bottom

RECESSED HANDLES

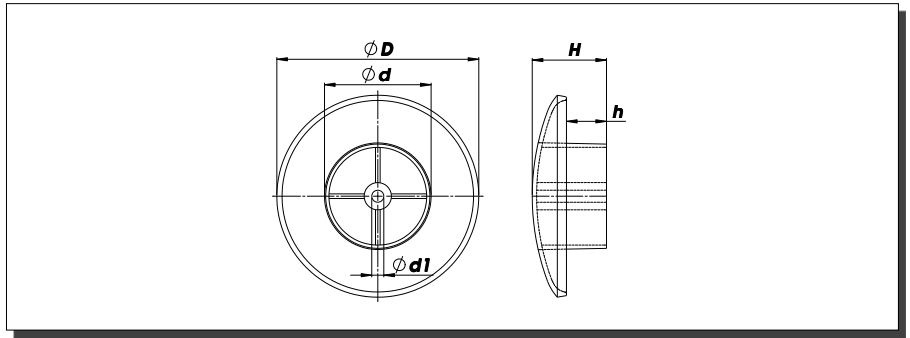


ARTICLE	MATERIAL	L	H	h	L1	B	B1	NOTE
40565	ABS	90,0	15,0	2,5	100,0	40,0	52,0	with collar and bottom

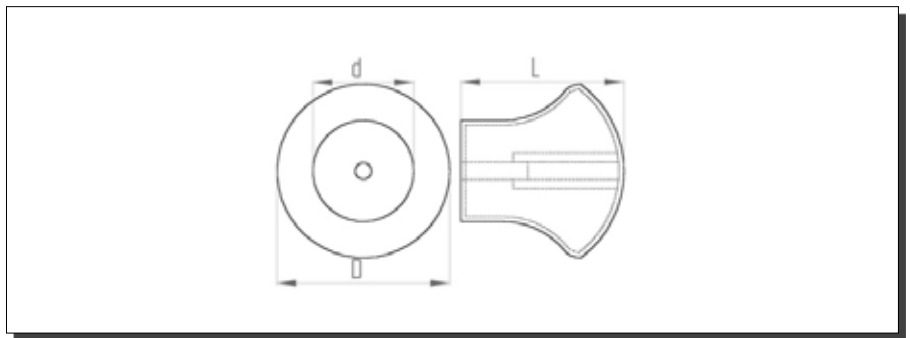


ARTICLE	MATERIAL	L	H	h	L1	B	B1	NOTE
40580	PS	100,0	7,0	7,5	115,0	12,0	14,0	with collar and bottom

DRAWER KNOBS

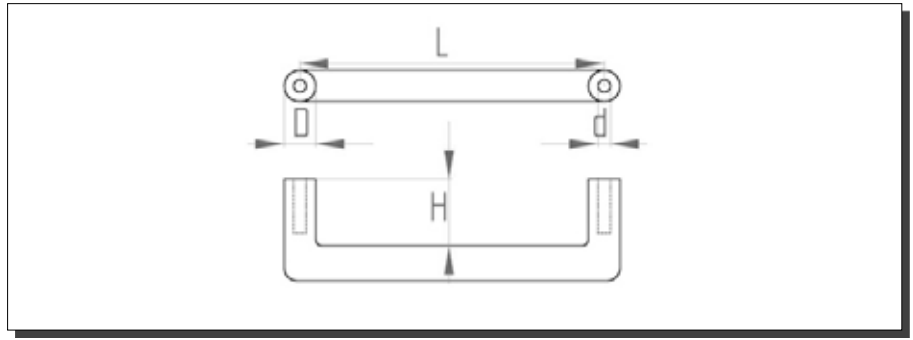
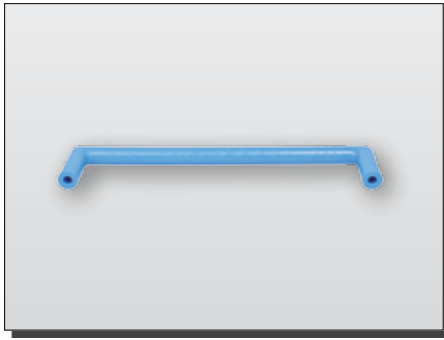


ARTICLE	MATERIAL	D	d	h	d1	NOTE
21710	PS	60,0	34,0	15,0	3,2	



ARTICLE	MATERIAL	D	d	L	NOTE
21715	ABS	36,0	21,0	34,0	with thread M4
21714	ABS	36,0	21,0	34,0	

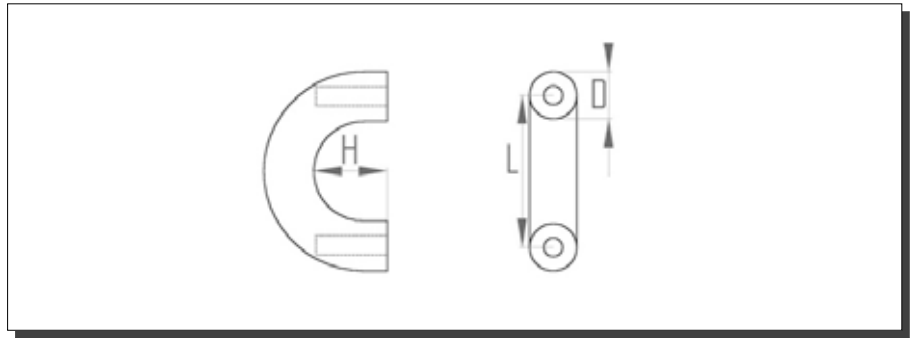
BAR HANDLES



- for screw attachment

ARTICLE	MATERIAL	D	d	L	H	NOTE
40421	PS	8,0	3,0	120,0	20,0	

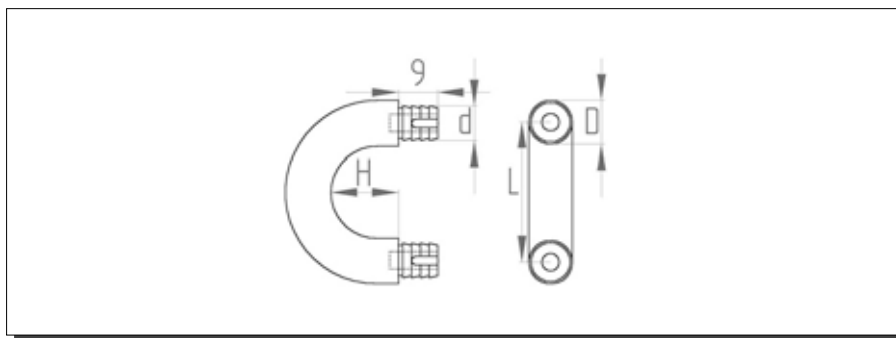
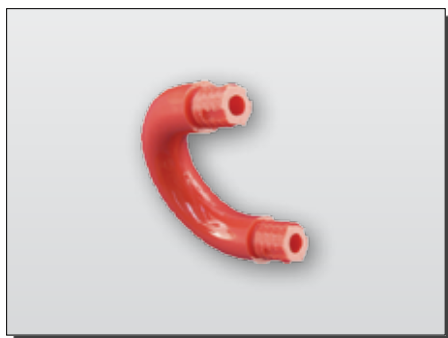
BAR HANDLES



- for screw attachment

ARTICLE	MATERIAL	D	d	L	H	NOTE
40365	PA	10,0	3,6	32,0	16,0	
40381	PA	10,0	3,6	64,0	21,0	
40400	PA	8,0	3,6	96,0	21,0	
40406	PA	10,0	3,6	96,0	21,0	

BAR HANDLES

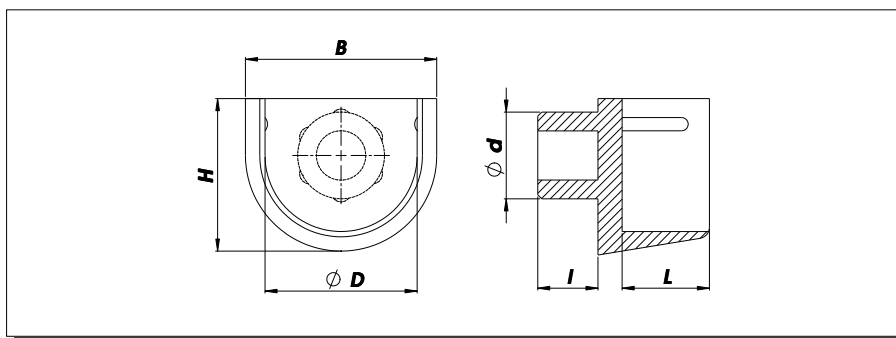
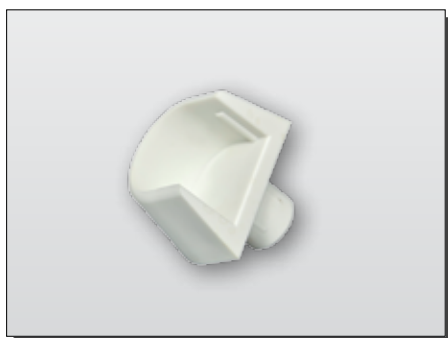


- with knock-in fitting

ARTICLE	MATERIAL	D	d	L	H	h	NOTE
40370	PA	10,0	8,0	32,0	16,0	9,0	
40390	PA	10,0	8,0	64,0	21,0	9,0	
40410	PA	10,0	8,0	96,0	21,0	9,0	

BAR HANDLES

CLOTHES RAIL SUPPORT

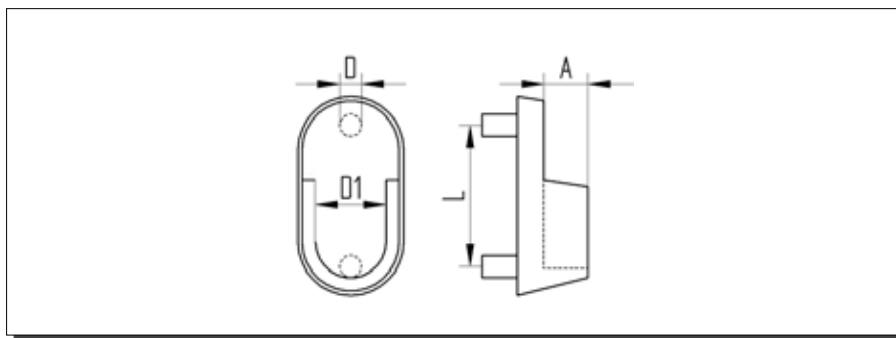


- for oval rail

ARTICLE	MATERIAL	D	d	L	H	B	I	NOTE
45400	PS	16,0	8,0	12,0	20,0	25,0	10,0	
45405	PS	16,0	10,0	12,0	20,0	25,0	10,0	
45415	PS	18,0	5,0	12,0	18,0	26,0	8,0	

CLOTHES RAIL SUPPORT

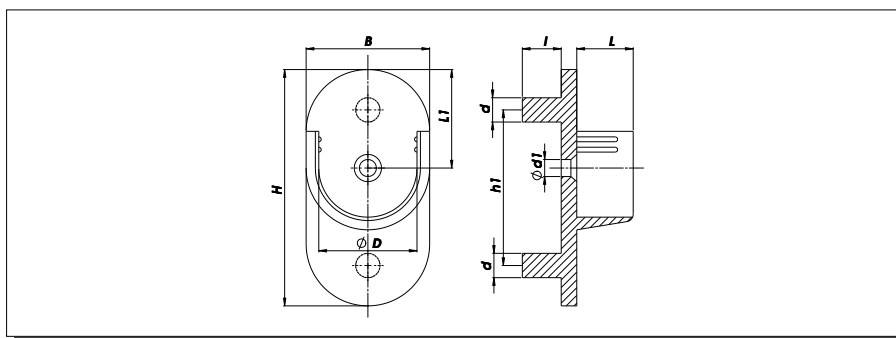
CLOTHES RAIL SUPPORT



-for oval rail with two dowels

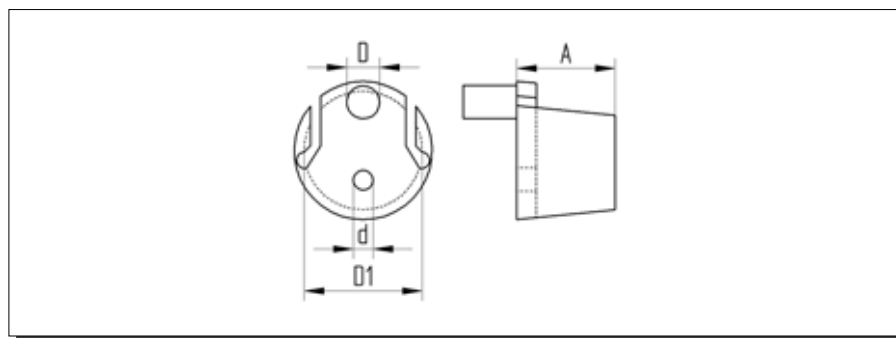
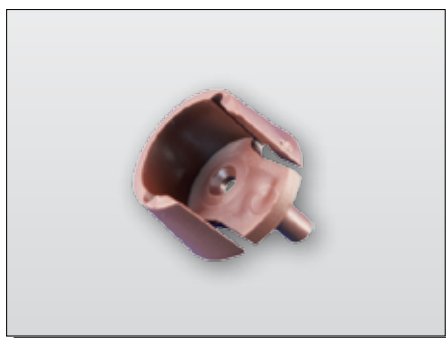
ARTICLE	MATERIAL	D	D1	A	L	NOTE
45410	PS	5,0	16,0	10,0	32,0	

CLOTHES RAIL SUPPORT



- for oval rail with two dowels

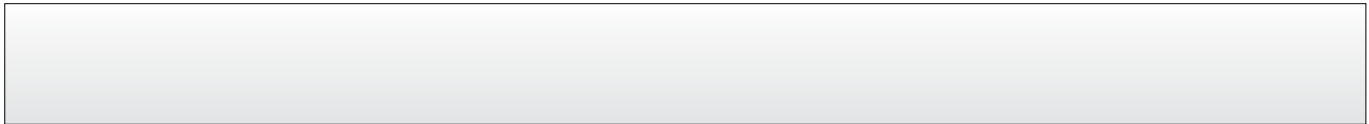
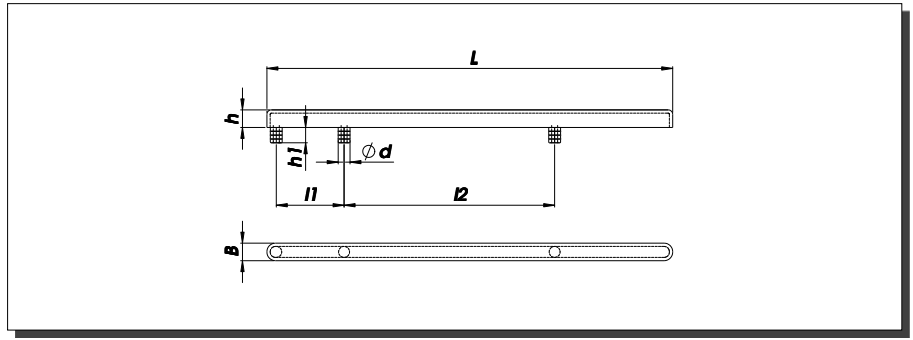
ARTICLE	MATERIAL	D	d	L	H	h1	d1	B	I	NOTE
45420	PS	18,0	5,0	12,0	49,0	32,0	3,5	25,5	8,0	



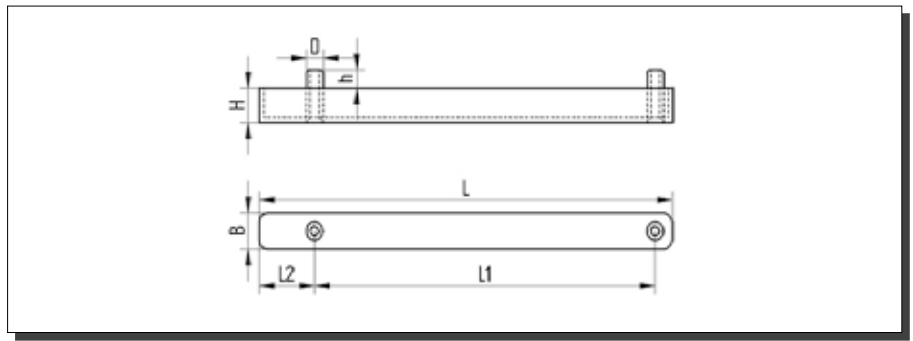
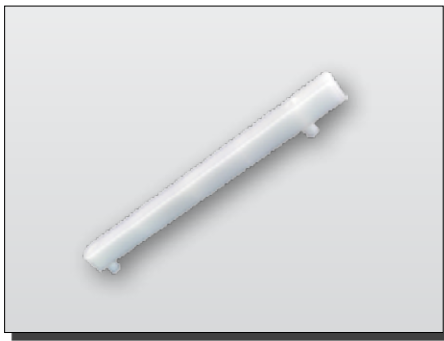
- for round tube

ARTICLE	MATERIAL	D	d	D1	A	NOTE
45425	PS	5,0	3,0	18,0	15,0	

DRAWER RUNNER WITH DOWEL



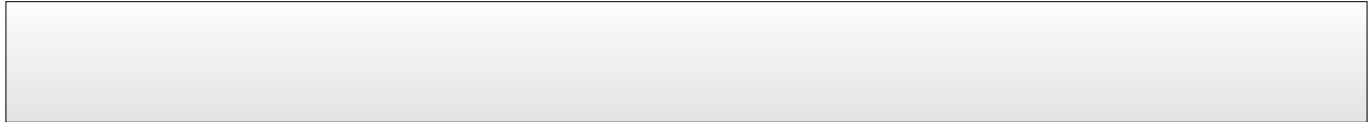
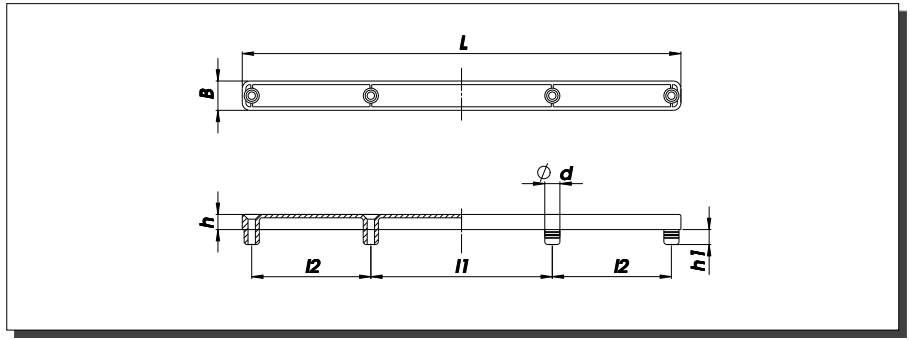
ARTICLE	MATERIAL	d	h1	h	B	L	l1	l2	NOTE
45615	PS	5,0	9,0	8,0	6,0	185,0	32,0	128,0	
45620	PS	8,0	9,0	8,0	6,0	185,0	32,0	128,0	



ARTICLE	MATERIAL	D	L	H	h	l1	l2	B	NOTE
45625	PE	8,0	194,0	15,0	8,0	160,0	26,0	16,0	
45630	PE	8,0	197,0	7,0	7,0	160,0	20,0	16,0	
45635	PE	8,0	197,0	7,0	7,0	140,0	20,0	16,0	
45640	PE	8,0	197,0	14,0	7,0	140,0	30,0	16,0	

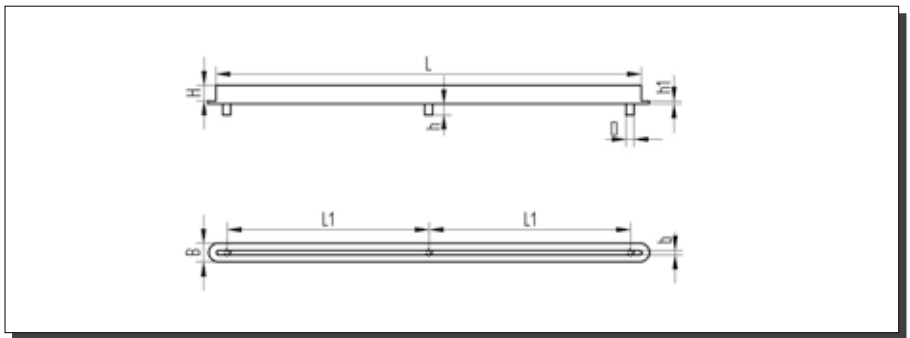
DRAWER RUNNER WITH DOWEL

DRAWER RUNNER WITH DOWEL



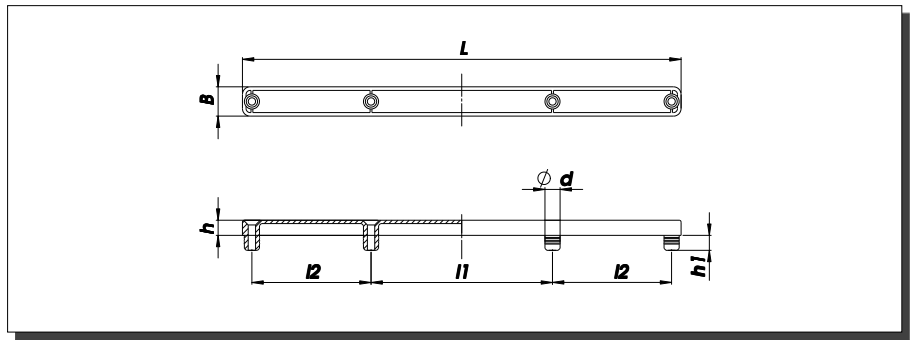
ARTICLE	MATERIAL	d	L	h	h1	B	l1	l2	NOTE
45675	PE	8,0	234,0	8,0	8,0	16,0	96,0	64,0	

DRAWER RUNNER WITH DOWEL



ARTICLE	MATERIAL	D	L	H	h	L1	B	b	NOTE
45690	PA	4,0	280,0	10,0	6,0	128,0	12,0	3,0	
45695	PA	5,0	280,0	10,0	6,0	128,0	12,0	3,0	

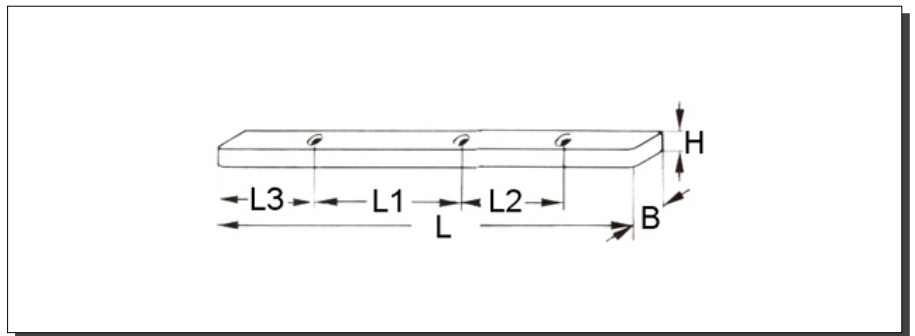
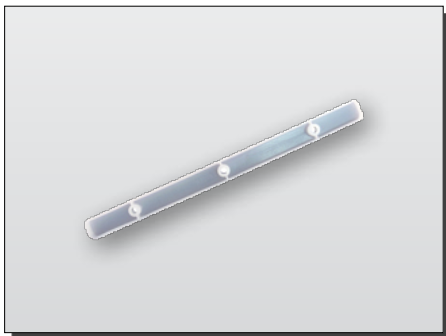
DRAWER RUNNER WITH DOWEL



ARTICLE	MATERIAL	d	L	h	h1	B	l1	l2	NOTE
45710	PE	8,0	285,0	285,0	8,0	16,0	96,0	64,0	
45715	PE	8,0	285,0	285,0	8,0	16,0	96,0	64,0	

DRAWER RUNNER WITH DOWEL

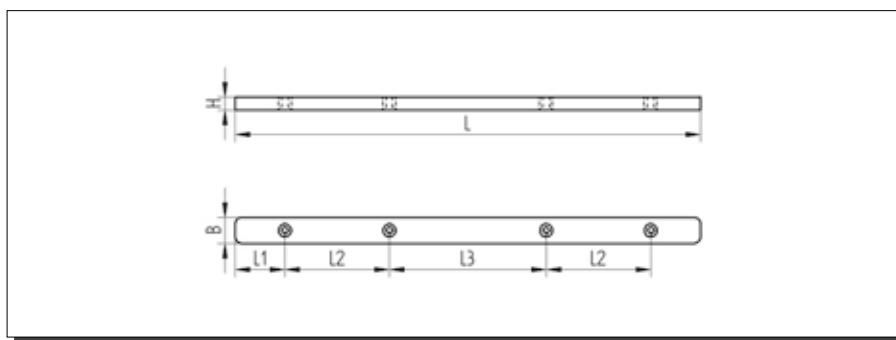
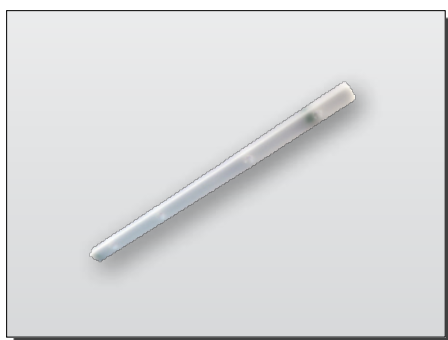
DRAWER RUNNER FOR SCREW ATTACHMENT



ARTICLE	MATERIAL	L	H	L1	L2	L3	B	NOTE
45645	PE	200,0	8,0	64,0	64,0	36,0	16,0	

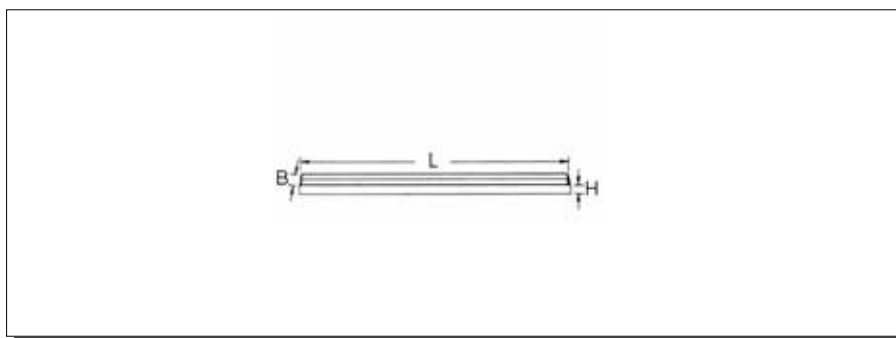
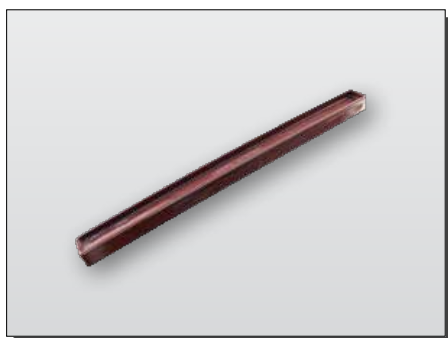
DRAWER RUNNER FOR SCREW ATTACHMENT

DRAWER RUNNER FOR SCREW ATTACHMENT



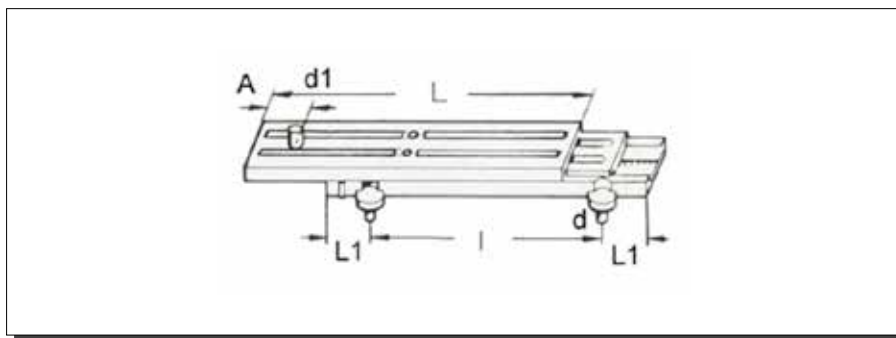
ARTICLE	MATERIAL	H	L	L1	L2	L3	B	NOTE
45700	PE	8,0	285,0	30,5	64,0	96,0	16,0	
45705	PE	19,0	285,0	30,5	64,0	96,0	16,0	

DRAWER RUNNER FOR TACKING



ARTICLE	MATERIAL	L	H	B	NOTE
45660	PS	200,0	8,0	16,0	
45670	PE	200,0	10,5	16,0	
45665	PS	200,0	15,0	16,0	

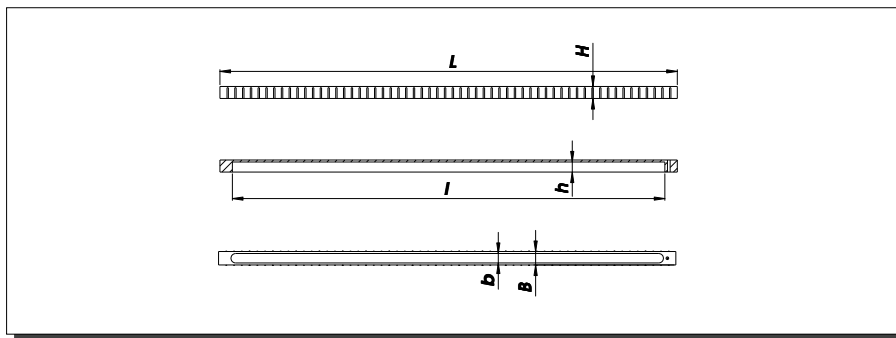
FULL EXTENSION DRAWER RUNNERS



ARTICLE	MATERIAL	d	L	L1	D1	B	A	I	C	NOTE
46010	POM	5,0	120,0	26,0	7,0	32,0	26,0	96,0	14,0	for screw attachment
46030	POM	5,0	180,0	26,0	7,0	32,0	26,0	128,0	14,0	for screw attachment
46020	POM	5,0	120,0	26,0	7,0	32,0	26,0	96,0	14,0	with dowels
46040	POM	5,0	180,0	26,0	7,0	32,0	26,0	128,0	14,0	with dowels

FULL EXTENSION DRAWER RUNNERS

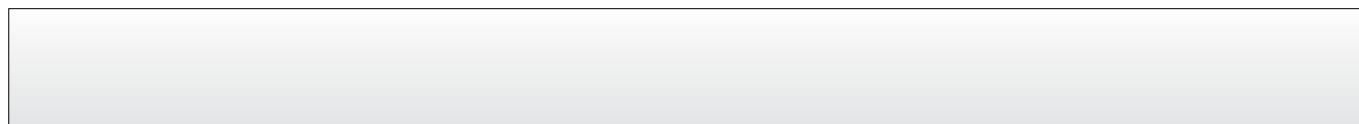
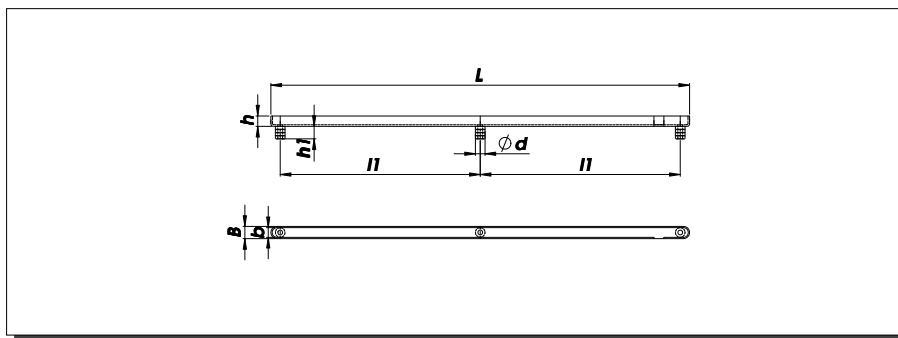
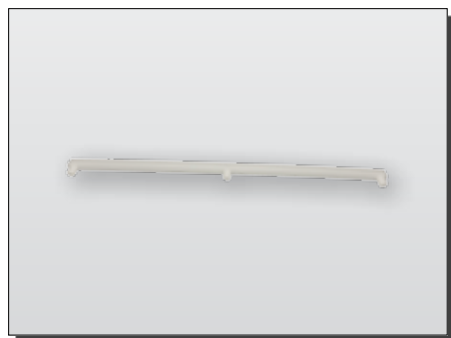
GUIDE RAILS



ARTICLE	MATERIAL	L	H	h	B	b	I	NOTE
46980	PA	324,0	8,5	7,0	9,0	6,5	306,0	

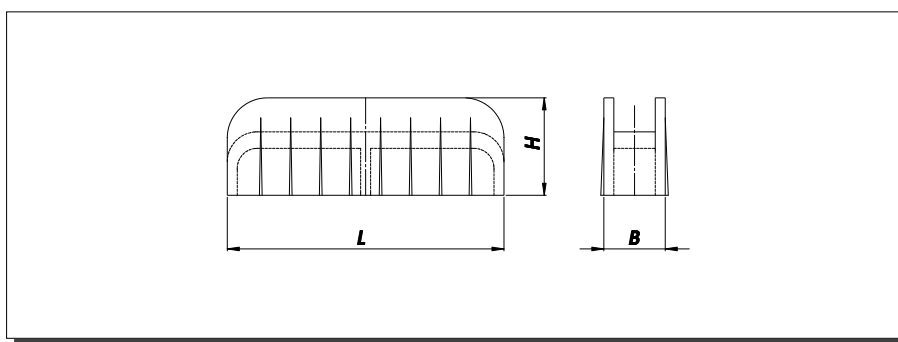
GUIDE RAILS

GUIDE RAILS



ARTICLE	MATERIAL	d	L	l1	h	h1	B	b	NOTE
46985	PE	8,0	320,0	160,0	8,0	10,0	10,0	8,0	with dowel

GUIDE RAIL SLIDERS

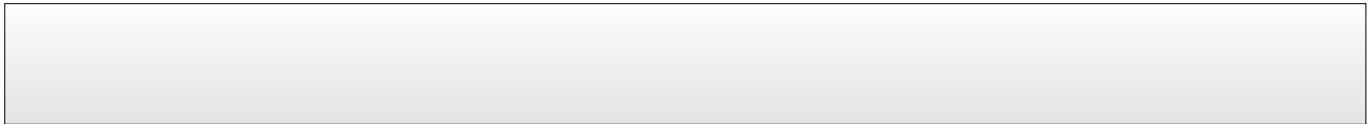
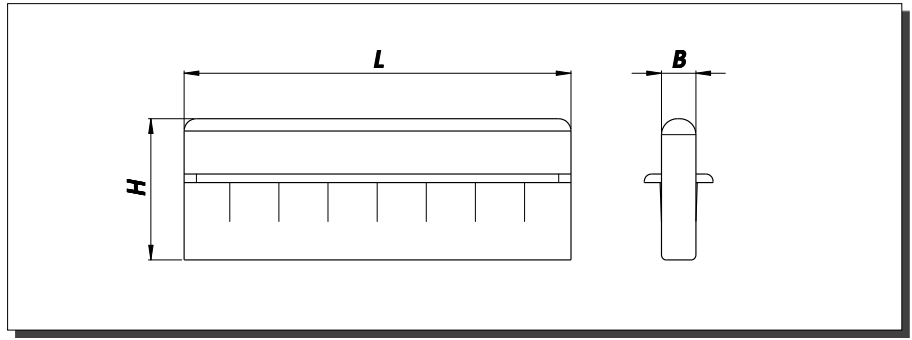
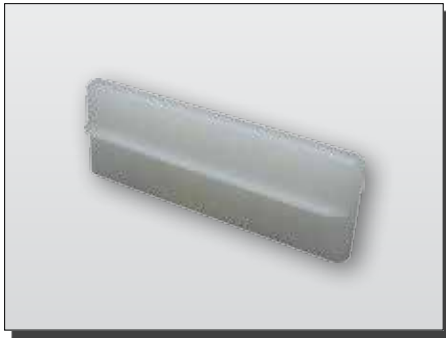


ARTICLE	MATERIAL	L	H	B	NOTE
46950	PE	28,0	9,5	6,0	

GUIDE RAILS

GUIDE RAIL SLIDERS

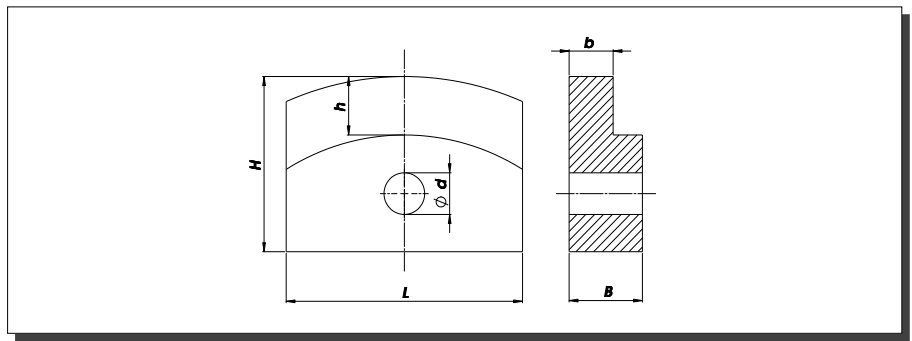
GUIDE RAIL SLIDERS



ARTICLE	MATERIAL	L	H	B	NOTE
46955	PE	31,0	11,5	3,0	

GUIDE RAIL SLIDERS

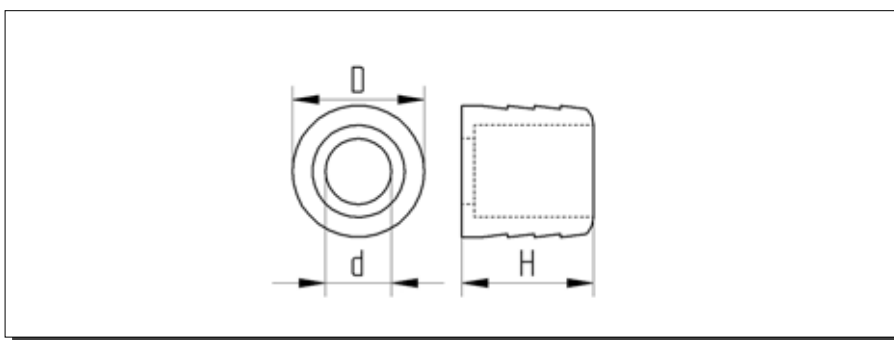
RUNNERS



ARTICLE	MATERIAL	d	L	H	h	B	b	NOTE
47330	PE	4,5	25,0	20,0	7,0	9,0	5,0	for article #46980
47340	PA	4,5	25,0	20,0	7,0	9,0	5,0	for article #46980

RUNNERS

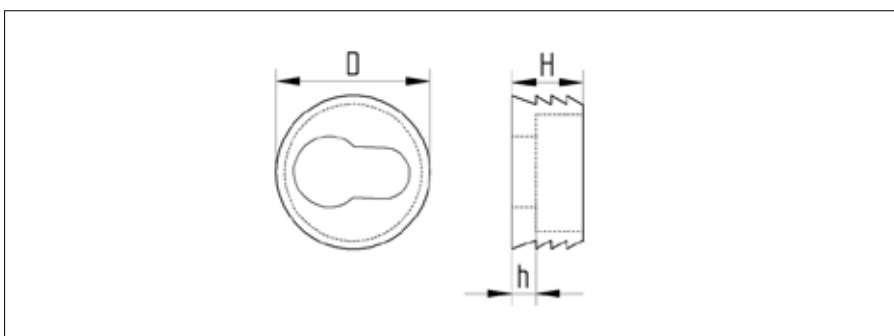
PICTURE FRAME SUSPENSIONS



- circular shape

ARTICLE	MATERIAL	D	d	H	NOTE
41400	PS	10,0	5,0	10,0	
41405	PC	13,0	7,0	8,5	
41406	PS	13,0	7,0	8,5	

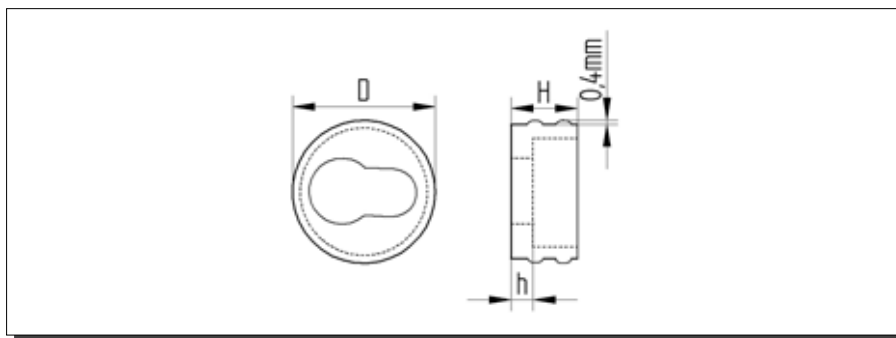
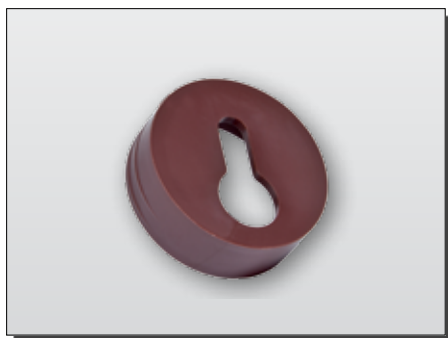
PICTURE FRAME SUSPENSIONS



- key-hole shape

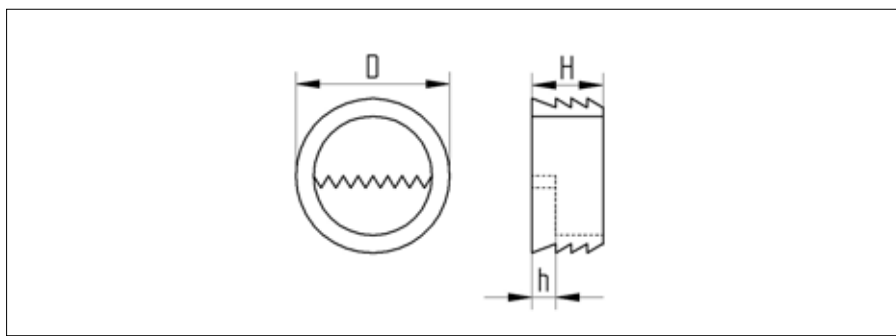
ARTICLE	MATERIAL	D	h	H	NOTE
41420	PS	20,0	2,0	5,0	
41425	PC	20,0	2,0	10,0	
41426	PP	20,0	2,0	10,0	
41430	PS	20,0	2,0	5,0	with cap
41435	PC/PS	20,0	2,0	10,0	with cap

PICTURE FRAME SUSPENSIONS



- key-hole shape

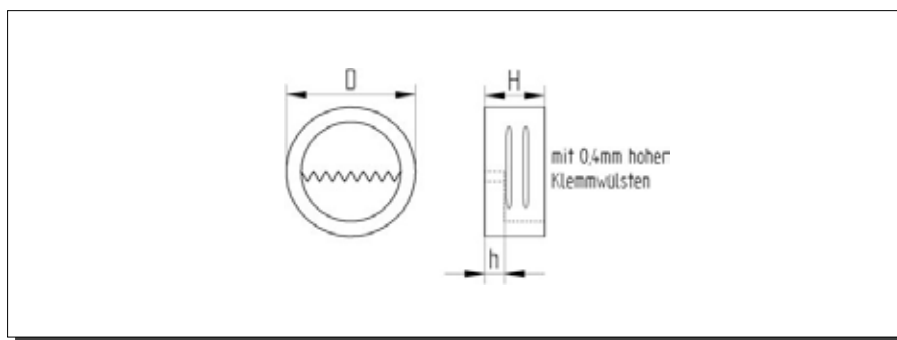
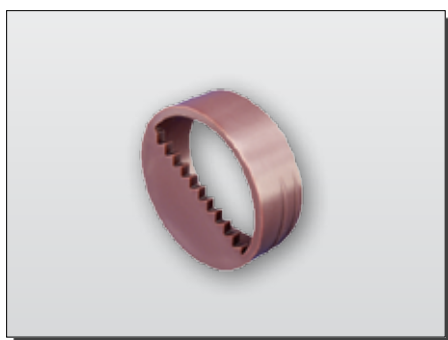
ARTICLE	MATERIAL	D	h	H	NOTE
41440	PS	30,0	2,0	7,0	
41445	PS	30,0	2,0	9,0	
41450	PS	30,0	2,0	11,0	



- with toothed semicircle

ARTICLE	MATERIAL	D	h	H	NOTE
41500	PS	13,0	2,0	6,0	
41505	PS	13,0	2,0	8,5	
41510	PS	20,0	2,0	5,0	
41515	PC	20,0	2,0	8,0	
41520	PS	20,0	2,0	5,0	with cap
41525	PC/PS	20,0	2,0	8,0	with cap
41530	PS	25,0	2,0	11,0	

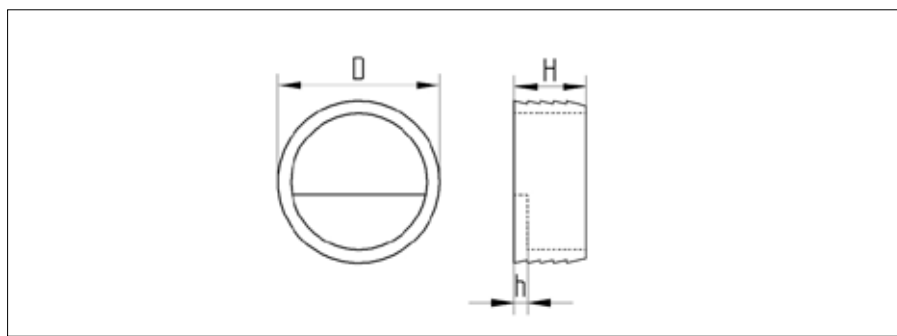
PICTURE FRAME SUSPENSIONS



- with toothed semicircle

ARTICLE	MATERIAL	D	h	H	NOTE
41550	PS	30,0	2,0	7,5	
41555	PS	30,0	2,0	9,5	
41560	PS	30,0	2,0	11,5	
41565	PS	30,0	2,0	13,5	

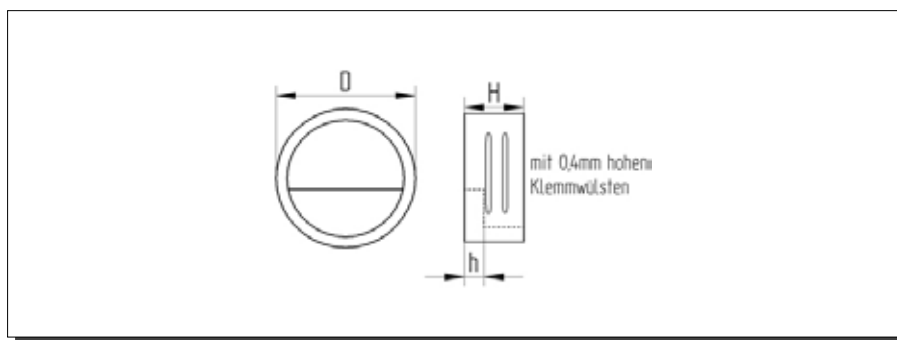
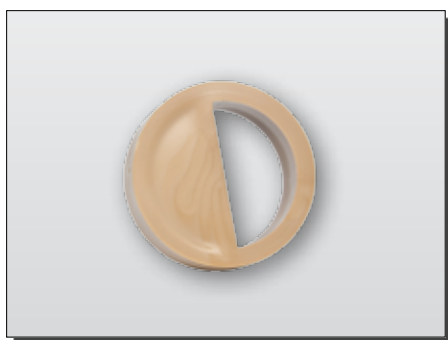
PICTURE FRAME SUSPENSIONS



- with smooth semicircle

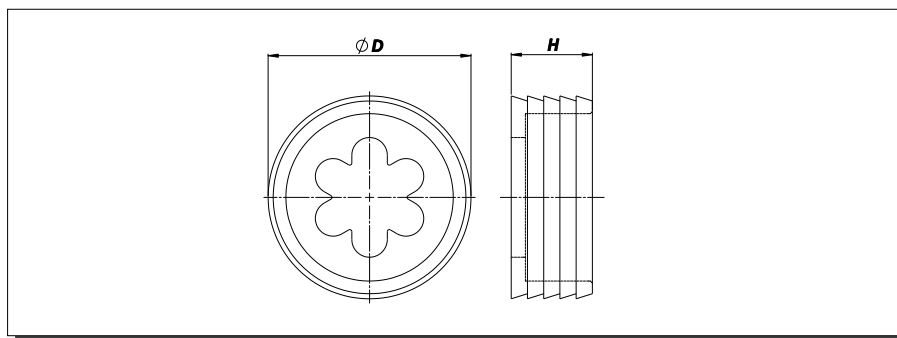
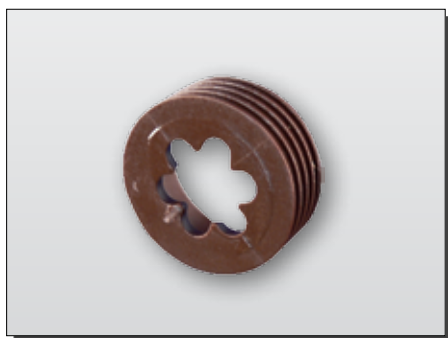
ARTICLE	MATERIAL	D	h	H	NOTE
41600	PS	25,0	2,0	11,0	

PICTURE FRAME SUSPENSIONS



- with smooth semicircle

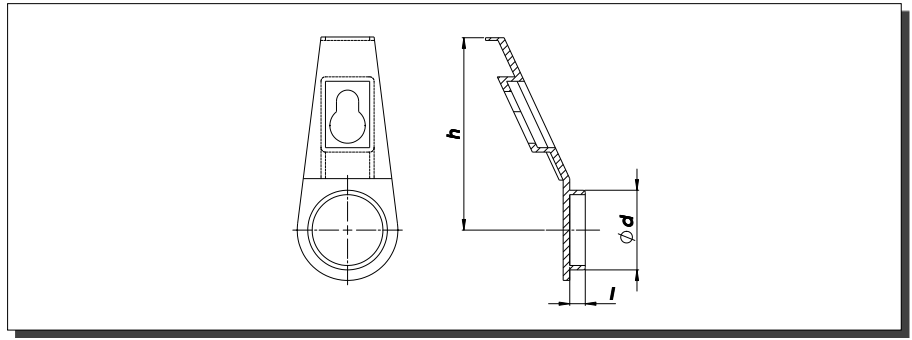
ARTICLE	MATERIAL	D	h	H	NOTE
41620	PS	30,0	2,0	7,5	
41625	PS	30,0	2,0	9,5	
41630	PS	30,0	2,0	11,5	
41635	PS	30,0	2,0	13,5	
41645	PS	35,0	2,0	9,5	
41640	PS	30,0	3,0	9,5	



- with inner rim

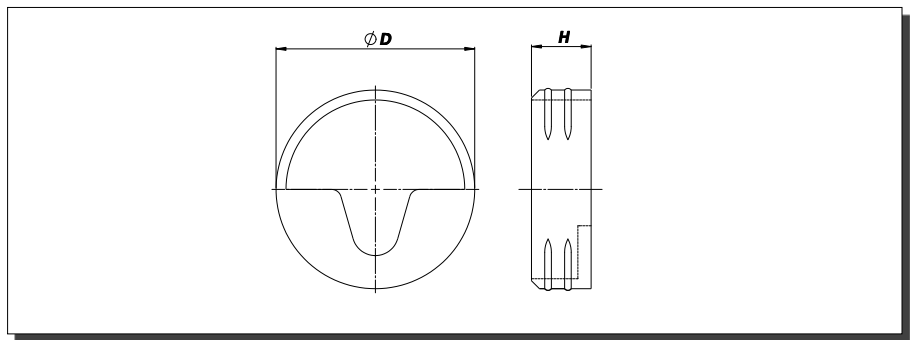
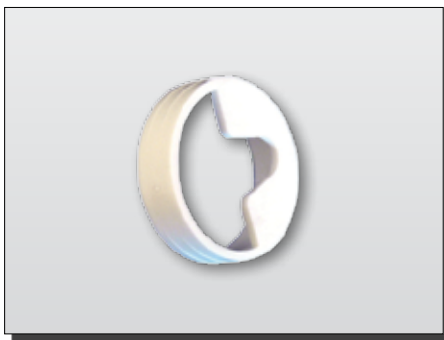
ARTICLE	MATERIAL	D	H	NOTE
41675	PS	20,0	8,5	

PICTURE FRAME SUSPENSIONS



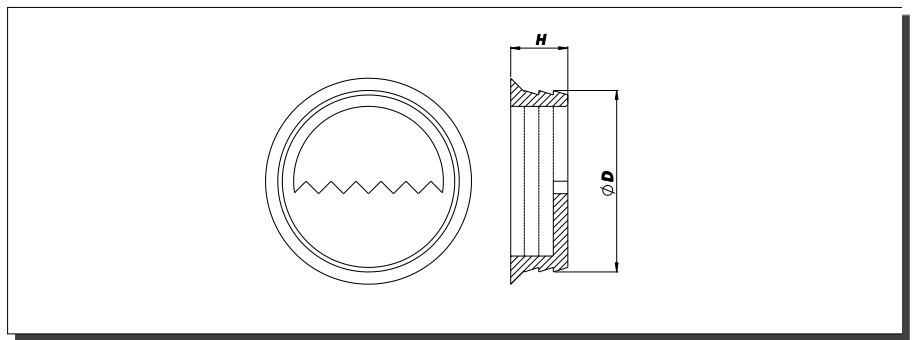
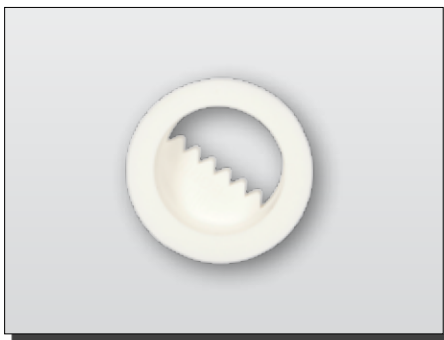
- for metal frames

ARTICLE	MATERIAL	d	h	l	NOTE
41680	PS	18,0	45,0	3,5	



- trapezoid shape

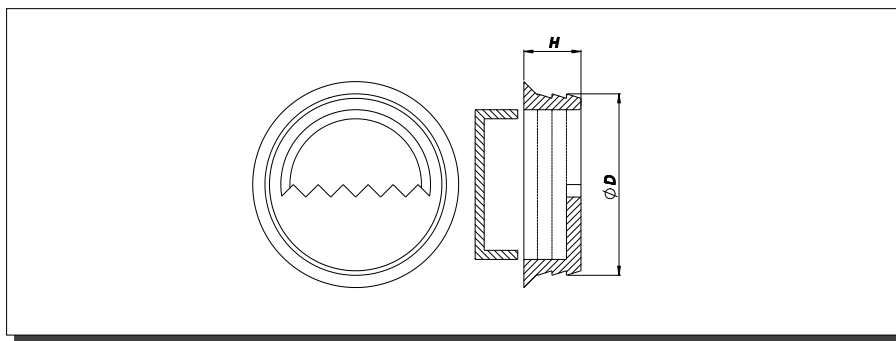
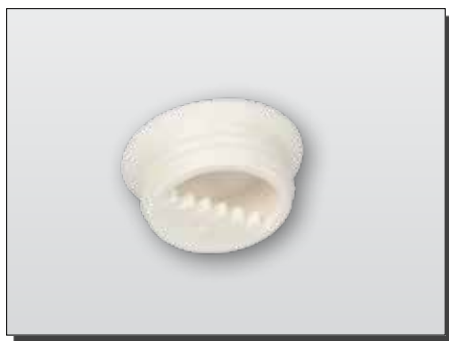
ARTICLE	MATERIAL	D	H	NOTE
41695	PS	30,0	9,0	



- with toothed semicircle and ridge
- for access from the back

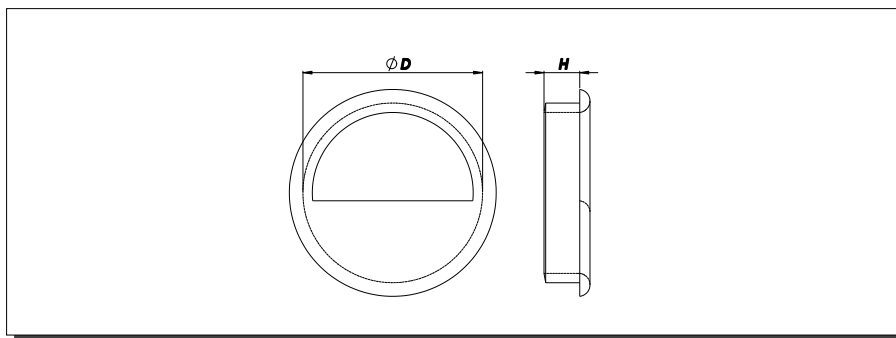
ARTICLE	MATERIAL	D	H	NOTE
41660	PS	20,0	8,5	

PICTURE FRAME SUSPENSIONS



- with toothed semicircle and ridge
- for access from the back

ARTICLE	MATERIAL	D	H	NOTE
41661	PS	20,0	8,5	with cap

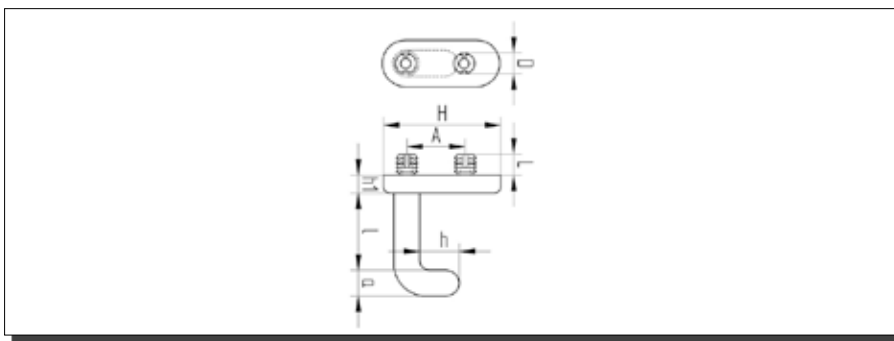
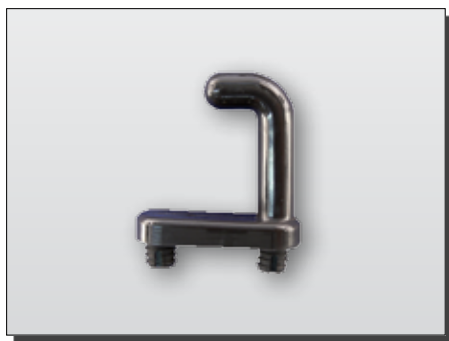


- with smooth semicircle and ridge

ARTICLE	MATERIAL	D	H	NOTE
41665	PS	30,0	6,0	

PICTURE FRAME SUSPENSIONS

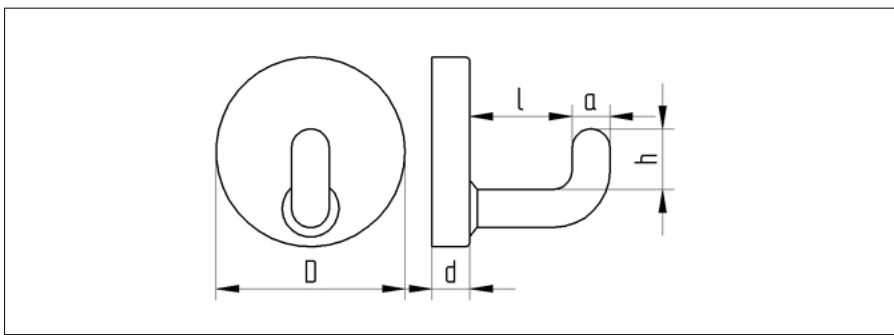
CLOTHES HOOKS



- single for wall mounting

ARTICLE	MATERIAL	D	L	H	h	h1	A	a	l
41710	PA	8,0	8,0	45,0	15,0	7,0	22,0	10,0	30,0
41715	PA	8,0	8,0	45,0	15,0	7,0	32,0	10,0	30,0

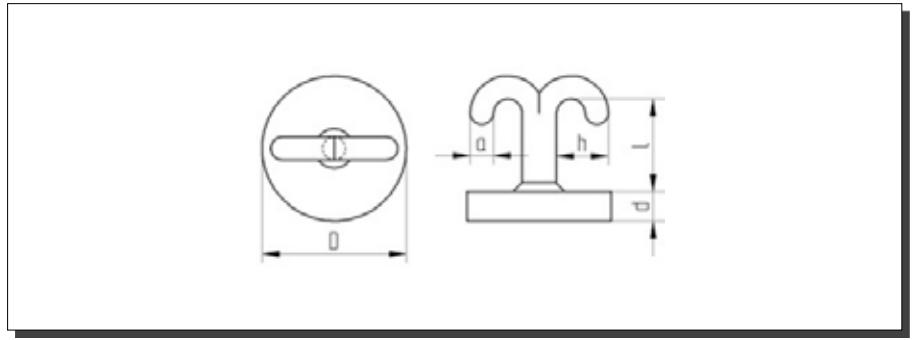
CLOTHES HOOKS



- single for wall mounting

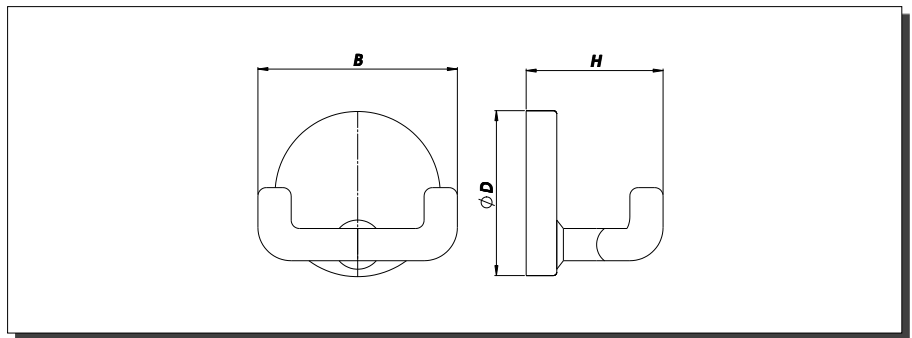
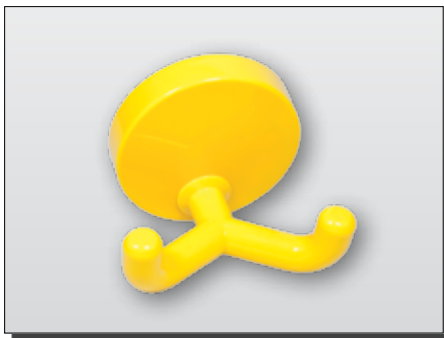
ARTICLE	MATERIAL	D	d	h	a	l	NOTE
41720	PA	50,0	10,0	15,0	72,0	20,0	
41750	PA	70,0	12,0	28,0	8,0	29,0	

CLOTHES HOOKS



- double for ceiling mounting

ARTICLE	MATERIAL	D	d	h	a	l	NOTE
41730	PA	50,0	10,0	18,0	8,0	29,0	



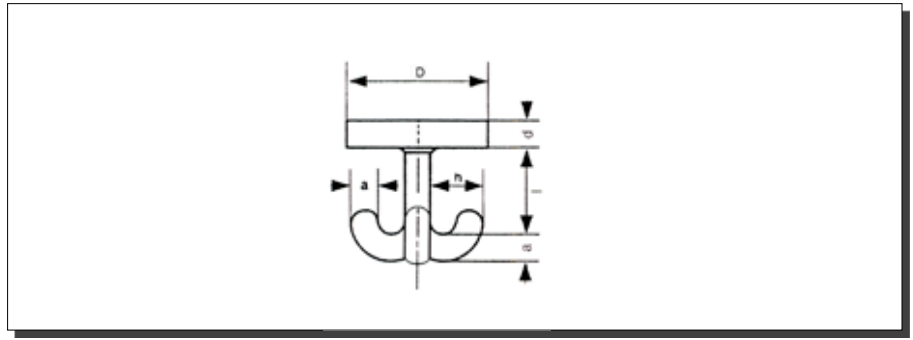
- double for wall mounting

ARTICLE	MATERIAL	D	B	H	NOTE
41735	PA	50,0	60,0	45,0	

CLOTHES HOOKS

CLOTHES HOOKS

CLOTHES HOOKS

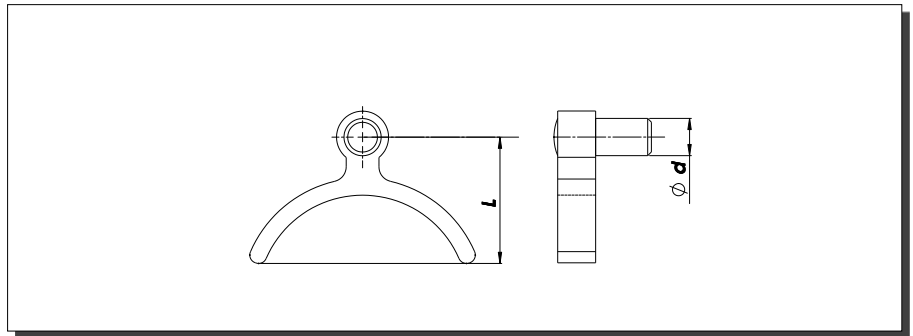
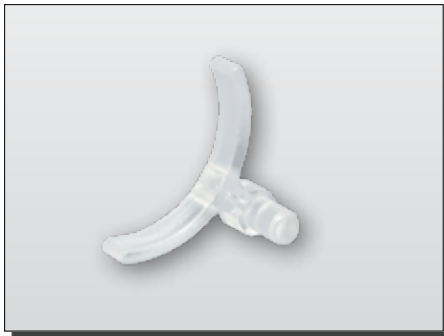


- triple for ceiling mounting

ARTICLE	MATERIAL	D	d	h	a	l	NOTE
41740	PA	50,0	10,0	35,0	10,0	44,0	

TRANSPORTATION SECURING DEVICE FOR SHELVES

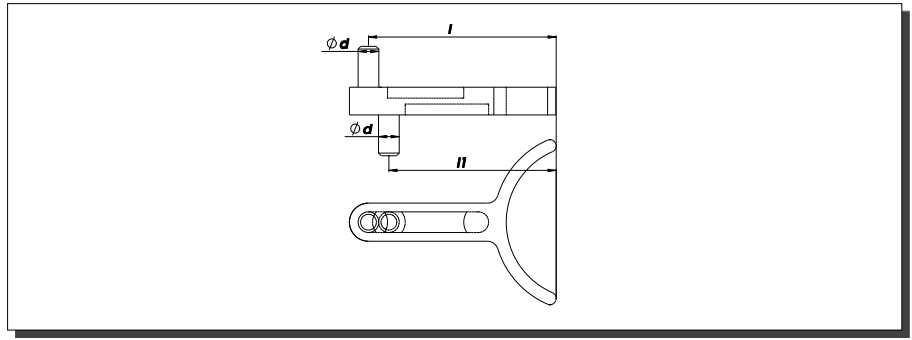
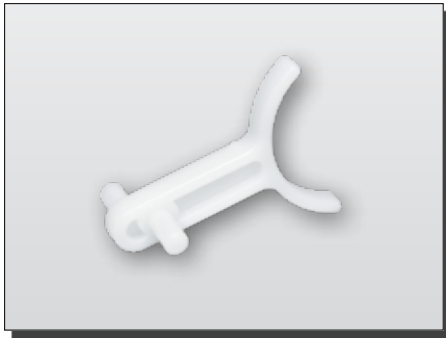
TRANSPORTATION SECURING DEVICE FOR SHELVES



- for fixation of shelves during transport

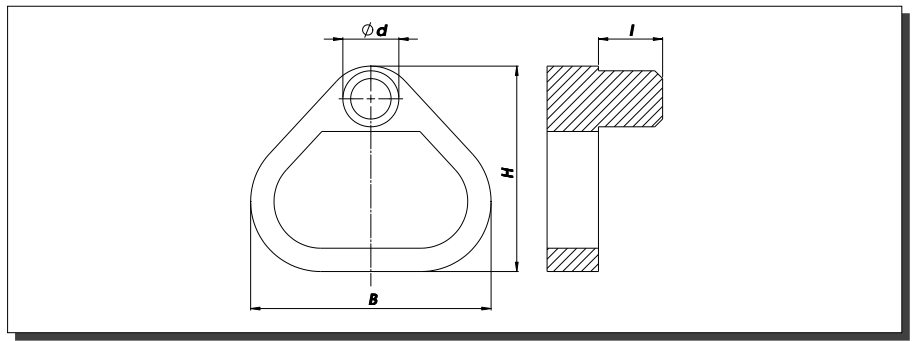
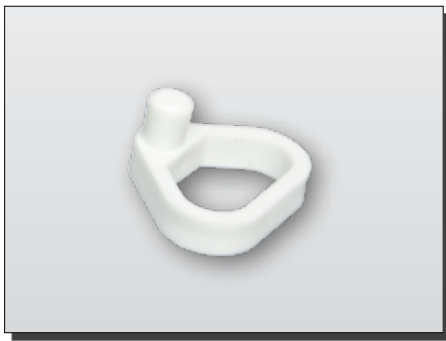
ARTICLE	MATERIAL	d	L	NOTE
21534	POM	5,0	16,5	

TRANSPORTATION SECURING DEVICE FOR SHELVES



- for fixation of shelves during transport

ARTICLE	MATERIAL	d	l	II	NOTE
21536	POM	4,0	33,5	29,5	
21535	POM	4,0	54,5	48,5	

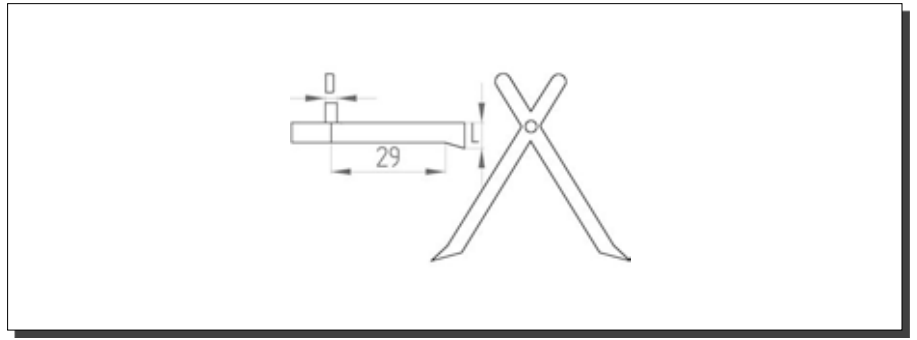
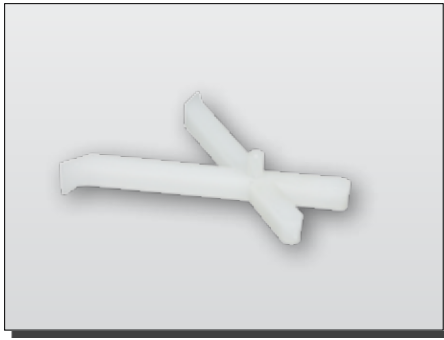


- for fixation of shelves during transport

ARTICLE	MATERIAL	d	H	B	l	NOTE
45450	PE	4,0	17,5	21,0	5,0	
45455	PE	5,0	17,5	21,0	5,0	

TRANSPORTATION SECURING DEVICE FOR SHELVES

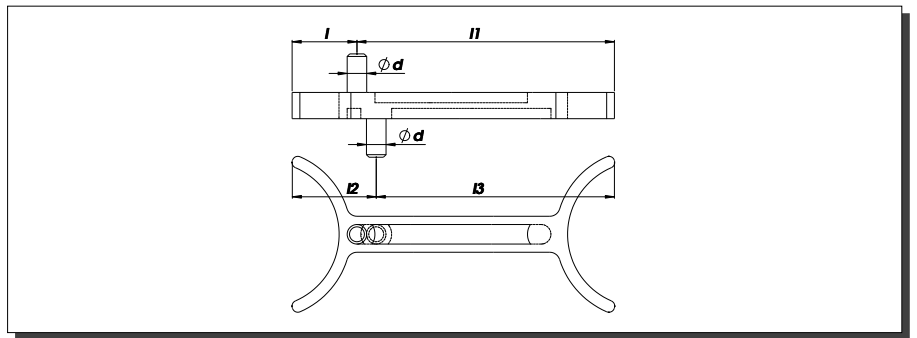
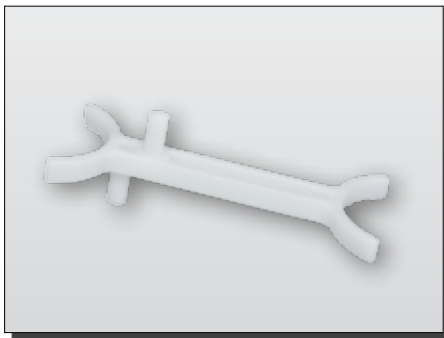
TRANSPORTATION SECURING DEVICE FOR SHELVES



- for fixation of shelves during transport

ARTICLE	MATERIAL	D	L	NOTE
45470	PE	3,0	6,0	
45475	PE	5,0	6,0	

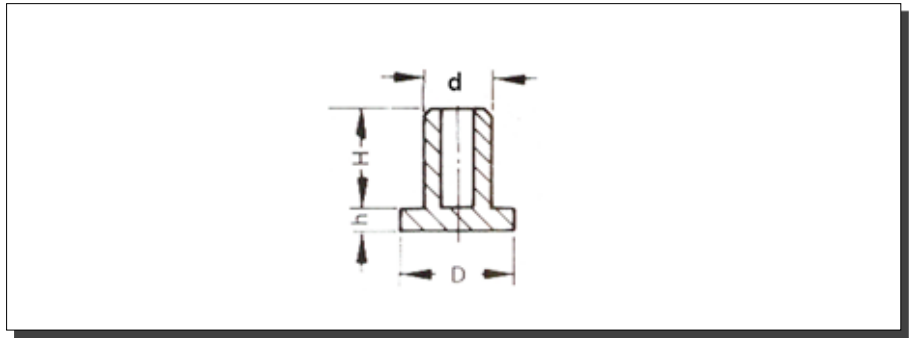
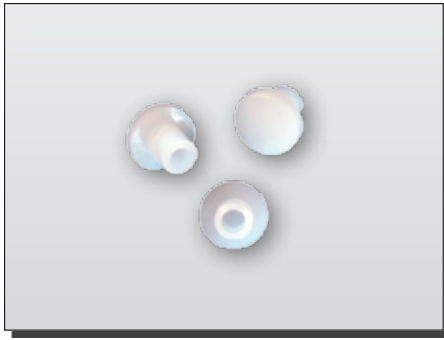
TRANSPORTATION SECURING DEVICE FOR SHELVES



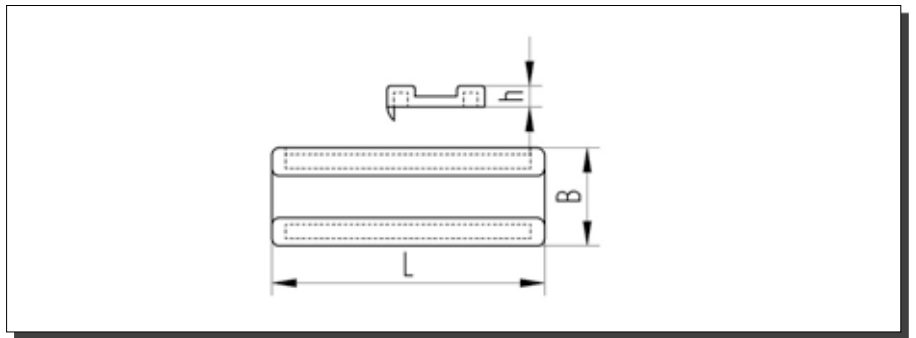
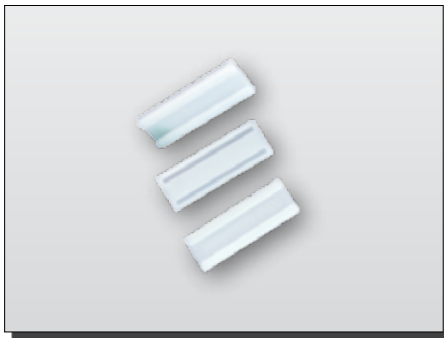
- for fixation of shelves during transport

ARTICLE	MATERIAL	d	l	l1	l2	l3
21537	POM	4,0	12,0	54,0	18,0	48,0

FLOOR PROTECTORS



ARTICLE	MATERIAL	D	d	H	h	NOTE
41815	PE	15,0	8,0	10,0	3,5	

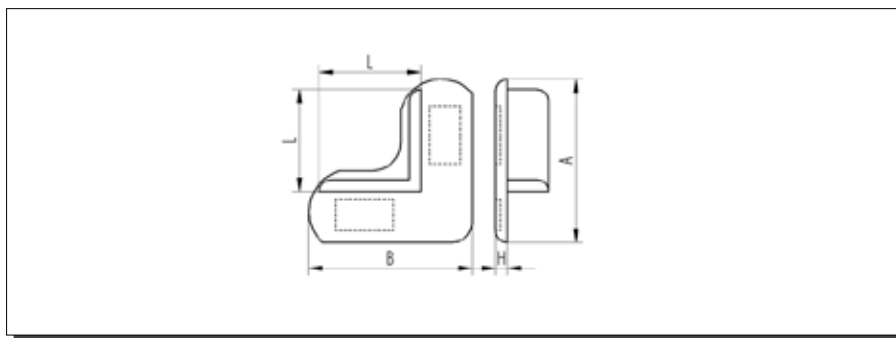
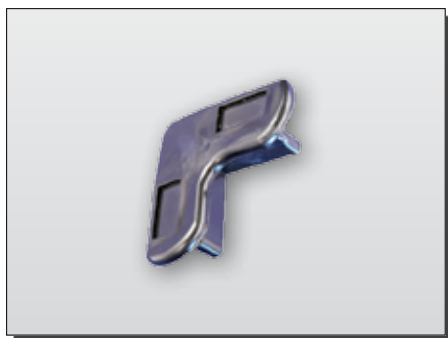


- for tacking

ARTICLE	MATERIAL	L	h	B	NOTE
41855	PE	39,0	3,0	14,0	
41860	PE	39,0	3,0	19,0	

FLOOR PROTECTORS

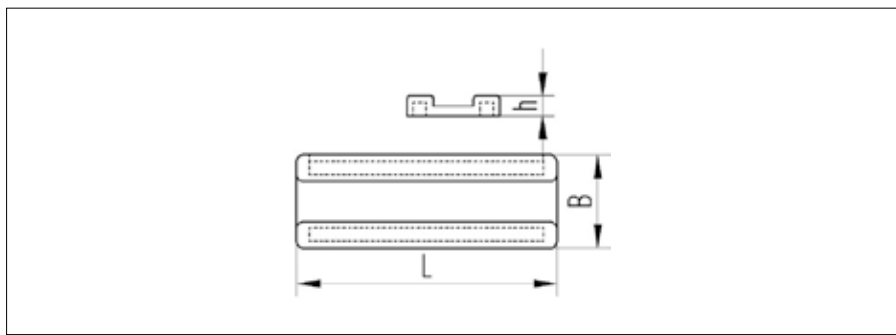
FLOOR PROTECTORS



- for tacking

ARTICLE	MATERIAL	L	H	B	A	NOTE
41875	PE	16,0	3,5	48,0	48,0	
41870	PE	30,0	3,5	48,0	48,0	

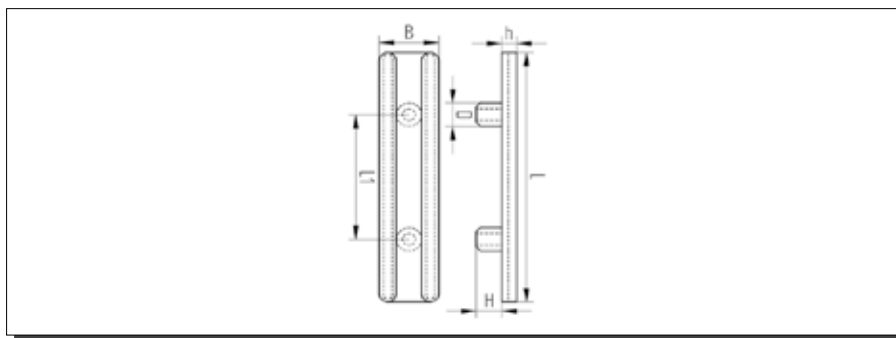
FLOOR PROTECTORS



- for tacking

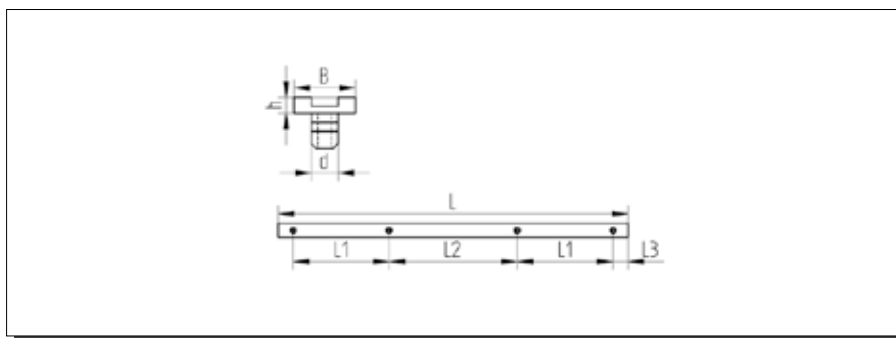
ARTICLE	MATERIAL	L	h	B	NOTE
41880	PE	64,0	3,5	14,0	
41885	PE	64,0	3,5	18,0	
41890	PE	64,0	3,5	22,0	

FLOOR PROTECTORS



- with pin

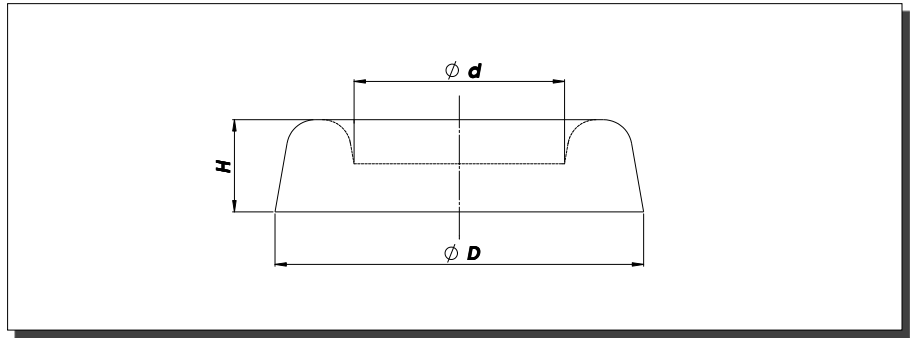
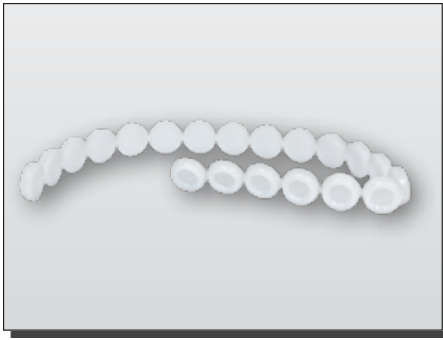
ARTICLE	MATERIAL	D	L	H	h	L1	B
41895	PE	6,0	64,0	8,0	3,5	32,0	14,0
41900	PE	6,0	64,0	8,0	3,5	32,0	18,0
41905	PE	6,0	64,0	8,0	3,5	32,0	22,0
41910	PE	8,0	64,0	8,0	3,5	32,0	18,0



- with pin

ARTICLE	MATERIAL	d	L	h	L1	L2	L3	B
41915	PE	6,0	350,0	3,5	96,0	128,0	15,0	14,0

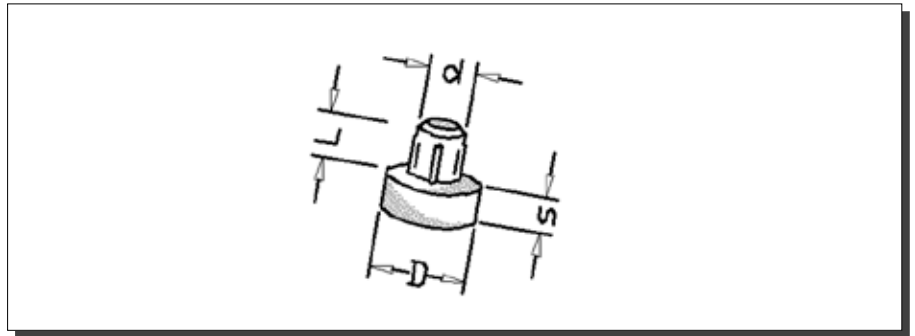
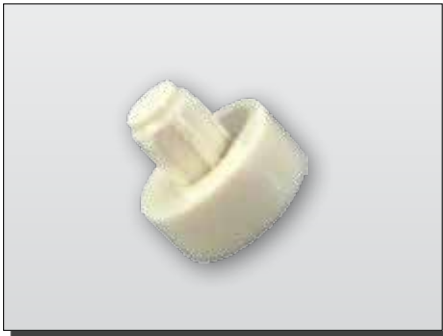
FLOOR PROTECTORS



- in strips of 20 units
- for tacking

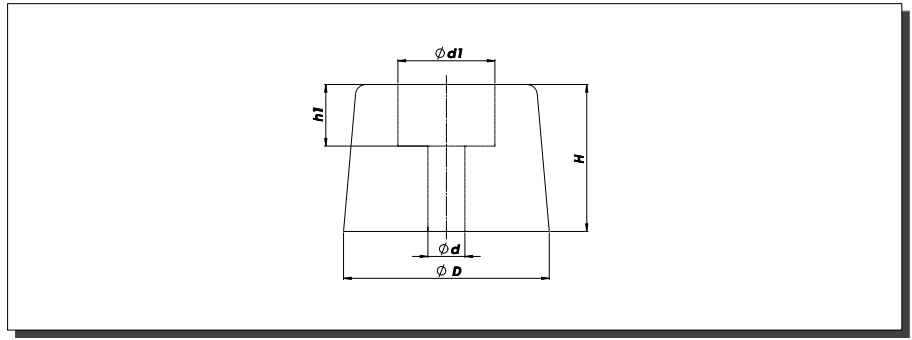
ARTICLE	MATERIAL	D	d	H	NOTE
41805	PE	13,0	7,0	3,5	

FLOOR PROTECTORS



ARTICLE	MATERIAL	D	d	L	S	NOTE
21520	PE	13,0	6,0	7,0	6,0	

FLOOR PROTECTORS

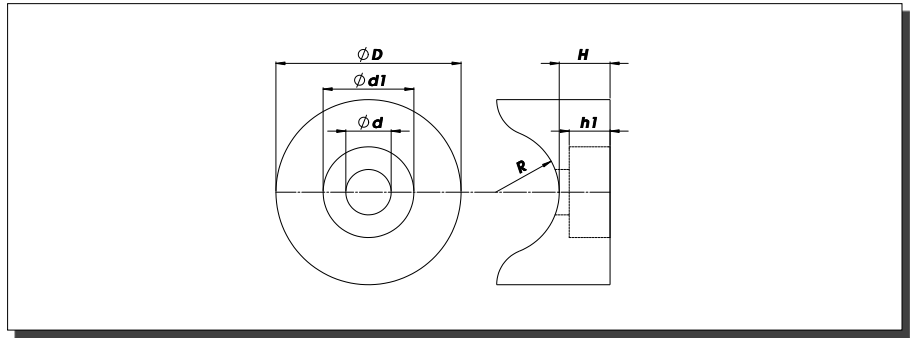


- for rectangular tube for screw attachment

ARTICLE	MATERIAL	D	d	H	h1	d1
42001	PE	16,5	4,1	8,0	4,0	7,5
42003	PE	16,5	4,1	10,0	4,0	7,5
42005	PE	21,0	4,6	8,0	4,0	10,1
42007	PE	21,0	4,6	10,0	4,0	10,1
42009	PE	21,0	4,6	13,0	4,0	10,1
42011	PE	21,0	4,6	18,0	4,0	10,1
42013	PE	21,0	4,6	23,0	4,0	10,1
42015	PE	24,5	4,6	8,0	4,0	10,1
42017	PE	24,5	4,6	10,0	4,0	10,1
42019	PE	24,5	4,6	13,0	4,0	10,1
42021	PE	24,5	4,6	18,0	4,0	10,1
42023	PE	24,5	4,6	23,0	4,0	10,1
42025	PE	26,5	4,6	8,0	4,0	10,1
42027	PE	26,5	4,6	10,0	4,0	10,1
42029	PE	26,5	4,6	13,0	4,0	10,1
42031	PE	26,5	4,6	18,0	4,0	10,1
42033	PE	26,5	4,6	23,0	4,0	10,1
42035	PE	32,5	6,1	10,0	5,0	15,0
42037	PE	32,5	6,1	13,0	5,0	15,0
42039	PE	32,5	6,1	18,0	5,0	15,0
42041	PE	32,5	6,1	23,0	5,0	15,0

FLOOR PROTECTORS

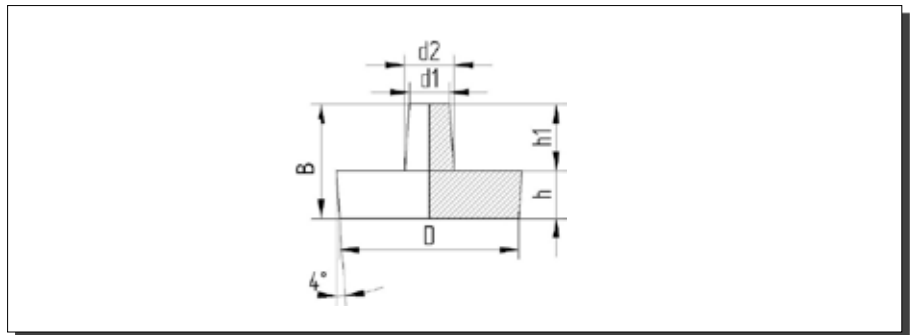
FLOOR PROTECTORS



- for round tube for screw attachment

ARTICLE	MATERIAL	D	d	H	h1	d1	R
42043	PE	20,0	4,6	5,0	4,0	10,1	8,0
42045	PE	20,0	4,6	7,0	4,0	10,1	10,0
42180	EVA	20,0	4,6	10,0	4,0	10,1	10,0
42047	PE	20,0	4,6	16,0	4,0	10,1	14,0
42049	PE	22,0	4,6	5,0	4,0	10,1	8,0

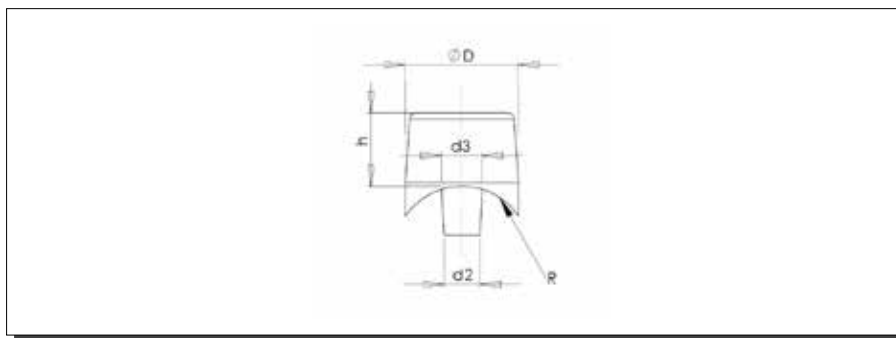
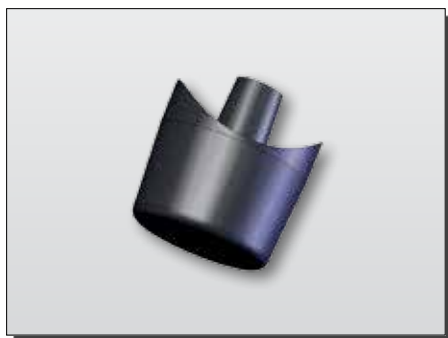
FLOOR PROTECTORS



- for rectangular tube for insertion attachment

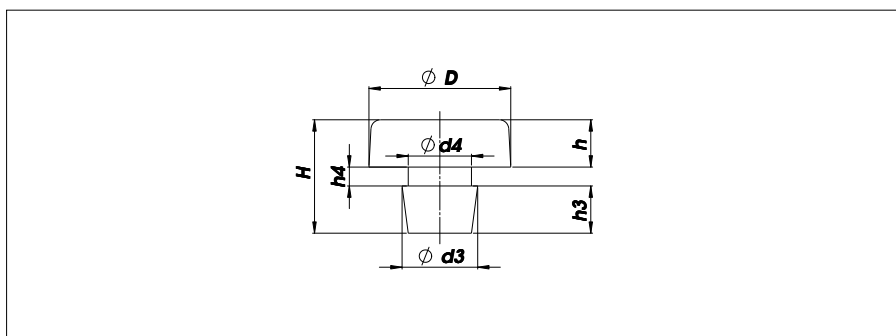
ARTICLE	MATERIAL	D	h	h1	d1	d2	B
42051	PE	20,0	5,0	7,0	4,2	5,2	12,0
42052	PE	20,0	5,0	7,0	5,5	6,5	12,0
42053	PE	22,0	5,0	7,0	4,2	5,2	12,0
42054	PE	22,0	5,0	7,0	5,5	6,5	12,0
42055	PE	25,0	5,0	7,0	4,2	5,2	12,0
42056	PE	25,0	5,0	7,0	5,5	6,5	12,0

FLOOR PROTECTORS



- for round tube for insertion attachment

ARTICLE	MATERIAL	D	h	d2	d3	R
42058	PA	20,0	5,0	4,2	5,2	8,0

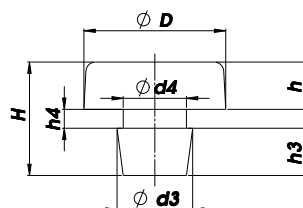


- for rectangular tube for clicking into place

ARTICLE	MATERIAL	D	H	h	h3	h4	d2	d3	d4
42060	PE	8,0	9,5	2,5	5,0	2,0	2,5	3,5	2,0
42062	PE	8,0	9,5	2,5	5,0	2,0	3,0	4,5	2,5
42064	PE	8,0	9,5	2,5	5,0	2,0	5,0	6,5	4,5
42067	PE	10,0	9,5	2,5	5,0	2,0	5,0	6,5	4,5
42069	PE	10,0	9,5	2,5	5,0	2,0	6,0	7,5	5,5
42071	PE	10,0	12,0	5,0	5,0	2,0	6,0	7,5	5,5
42073	PE	15,0	9,5	2,5	5,0	2,0	10,0	12,0	9,5
42075	PE	15,0	9,5	2,5	5,0	2,0	5,0	6,5	4,5
42077	PE	15,0	9,5	2,5	5,0	2,0	6,0	7,5	5,5
42079	PE	15,0	9,5	2,5	5,0	2,0	7,0	8,5	6,5
42081	PE	15,0	9,5	2,5	5,0	2,0	9,0	10,5	8,5
42084	PE	15,0	12,0	5,0	5,0	2,0	10,0	12,0	9,5
42086	PE	15,0	12,0	5,0	5,0	2,0	5,0	6,5	4,5
42088	PE	15,0	12,0	5,0	5,0	2,0	6,0	7,5	5,5

Continued on next Page

FLOOR PROTECTORS

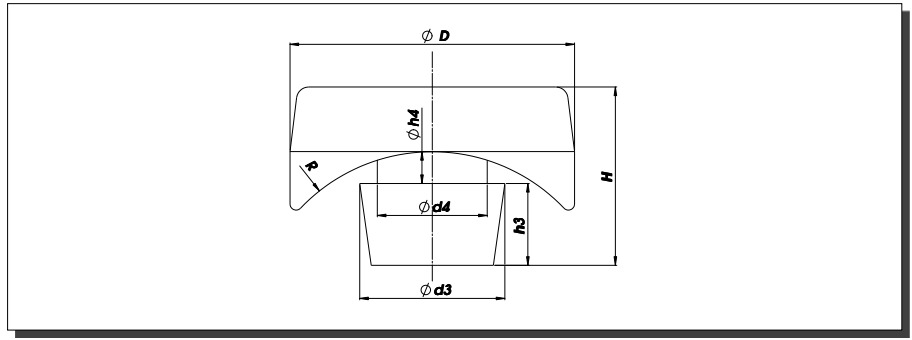


- for rectangular tube for clicking into place

FLOOR PROTECTORS

ARTICLE	MATERIAL	D	H	h	h3	h4	d2	d3	d4
42090	PE	15,0	12,0	5,0	5,0	2,0	7,0	8,5	6,5
42092	PE	15,0	12,0	5,0	5,0	2,0	9,0	10,5	8,5
42094	PE	20,0	9,5	2,5	5,0	2,0	10,0	12,0	9,5
42096	PE	20,0	9,5	2,5	5,0	2,0	6,0	7,5	5,5
42098	PE	20,0	9,5	2,5	5,0	2,0	7,0	8,5	6,5
42100	PE	20,0	9,5	2,5	5,0	2,0	9,0	10,5	8,5
42102	PE	20,0	12,0	5,0	5,0	2,0	10,0	12,0	9,5
42105	PE	20,0	12,0	5,0	5,0	2,0	6,0	7,5	5,5
42107	PE	20,0	12,0	5,0	5,0	2,0	7,0	8,5	6,5
42109	PE	20,0	12,0	5,0	5,0	2,0	9,0	10,5	8,5
42111	PE	22,0	9,5	2,5	5,0	2,0	10,0	12,0	9,5
42113	PE	22,0	9,5	2,5	5,0	2,0	6,0	7,5	5,5
42115	PE	22,0	9,5	2,5	5,0	2,0	7,0	8,5	6,5
42117	PE	22,0	9,5	2,5	5,0	2,0	9,0	10,5	8,5
42119	PE	22,0	12,0	5,0	5,0	2,0	10,0	12,0	9,5
42121	PE	22,0	12,0	5,0	5,0	2,0	6,0	7,5	5,5
42123	PE	22,0	12,0	5,0	5,0	2,0	7,0	8,5	6,5
42125	PE	22,0	12,0	5,0	5,0	2,0	8,0	9,5	8,5
42127	PE	22,0	12,0	5,0	5,0	2,0	9,0	10,5	8,5
42129	PE	25,0	9,5	2,5	5,0	2,0	10,0	12,0	9,5
42131	PE	25,0	9,5	2,5	5,0	2,0	6,0	7,5	5,5
42133	PE	25,0	9,5	2,5	5,0	2,0	7,0	8,5	6,5
42135	PE	25,0	9,5	2,5	5,0	2,0	9,0	10,5	8,5
42137	PE	25,0	12,0	5,0	5,0	2,0	10,0	12,0	9,5
42139	PE	25,0	12,0	5,0	5,0	2,0	6,0	7,5	5,5
42141	PE	25,0	12,0	5,0	5,0	2,0	7,0	8,5	6,5
42143	PE	25,0	12,0	5,0	5,0	2,0	8,0	9,5	8,5
42145	PE	25,0	12,0	5,0	5,0	2,0	9,0	10,5	8,5

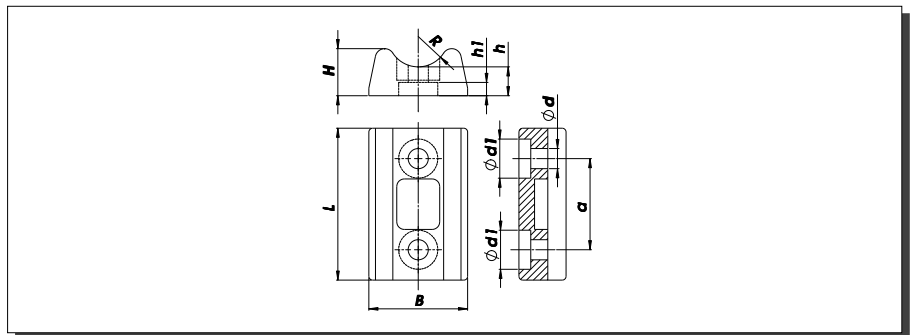
FLOOR PROTECTORS



- for round tube for clicking into place

ARTICLE	MATERIAL	D	H	h	h3	h4	d2	d3	d4	R
42147	PE	22,0	14,0	5,0	7,0	2,0	10,0	12,0	9,5	10,0
42149	PE	22,0	14,0	5,0	7,0	2,0	10,0	12,0	9,5	12,0
42152	PE	30,0	14,0	5,0	7,0	2,0	10,0	12,0	9,5	10,0
42154	PE	30,0	14,0	5,0	7,0	2,0	10,0	12,0	9,5	12,0
42156	PE	30,0	14,0	5,0	7,0	2,0	9,0	10,5	9,5	12,0

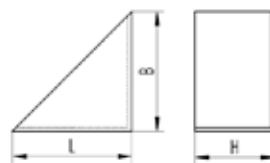
FLOOR PROTECTORS



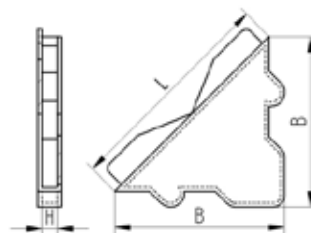
- for round tube for screw attachment

ARTICLE	MATERIAL	d	L	H	h	h1	d1	B	a	R
42157	PE	5,0	40,0	12,5	7,5	2,5	10,0	26,0	24,0	8,0
42158	PE	5,0	40,0	12,5	7,5	2,5	10,0	26,0	24,0	10,0
42159	PE	5,0	40,0	12,5	7,5	2,5	10,0	26,0	24,0	12,0
42160	PE	5,0	40,0	12,5	7,5	2,5	10,0	26,0	24,0	15,0
42161	PE	5,0	40,0	12,5	7,5	2,5	10,0	26,0	24,0	20,0
42162	PE	5,0	40,0	15,0	10,0	5,0	10,0	26,0	24,0	8,0
42163	PE	5,0	40,0	15,0	10,0	5,0	10,0	26,0	24,0	10,0
42164	PE	5,0	40,0	15,0	10,0	5,0	10,0	26,0	24,0	12,0
42165	PE	5,0	40,0	15,0	10,0	5,0	10,0	26,0	24,0	15,0
42166	PE	5,0	40,0	15,0	10,0	5,0	10,0	26,0	24,0	20,0

CORNER PROTECTOR

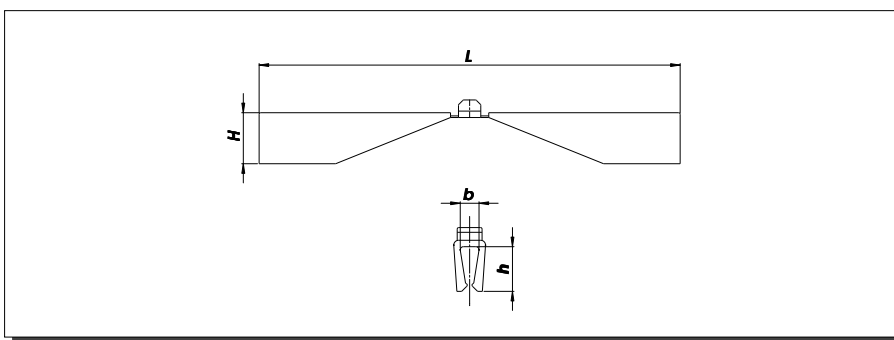


ARTICLE	MATERIAL	L	H	B	NOTE
47400	PE	30,0	20,0	30,0	



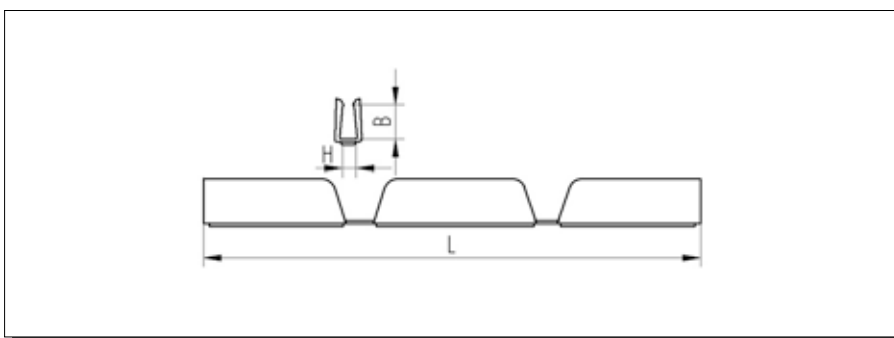
ARTICLE	MATERIAL	L	H	B	NOTE
47415	PP	56,0	4,0	40,0	for material of 3-4 mm thickness
47435	PP	65,0	6,0	40,0	for material of 5-6 mm thickness
47475	PP	75,0	8,0	58,0	for material of 7-8 mm thickness
47480	PP	83,0	10,0	63,0	for material of 8-10 mm thickness
47440	PE	70,0	12,0	50,0	for material of 11-12 mm thickness
47445	PE	70,0	16,0	50,0	for material of 15-16 mm thickness
47450	PE	70,0	20,0	50,0	for material of 19-20 mm thickness
47455	PE	70,0	22,0	50,0	for material of 21-22 mm thickness
47460	PE	70,0	26,0	50,0	for material of 25-26 mm thickness
47465	PE	70,0	30,0	50,0	for material of 28,5-30 mm thickness
47470	PE	70,0	33,0	50,0	for material of 32-33 mm thickness

EDGE PROTECTOR



- 2-unit

ARTICLE	MATERIAL	L	H	h	b	NOTE
47485	PE	130,0	16,0	14,0	6,0	

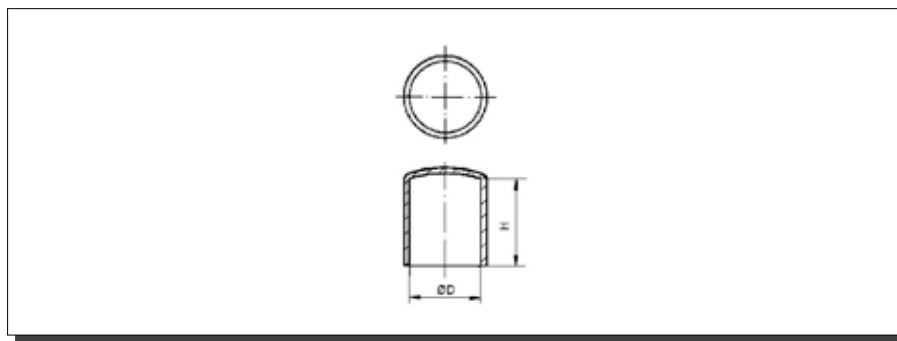
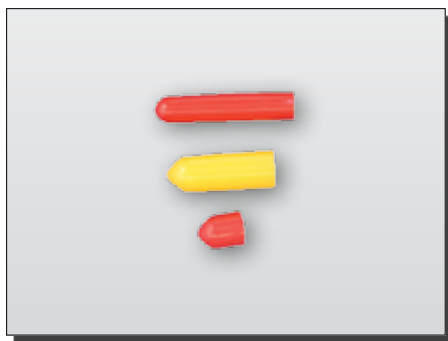


- 3-unit

ARTICLE	MATERIAL	L	H	B	NOTE
47490	PE	167,0	6,0	9,0	

EDGE PROTECTOR

DIP MOULDED CAPS



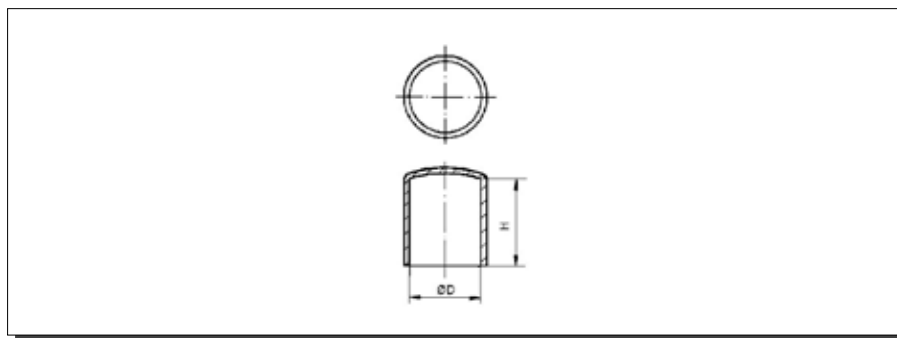
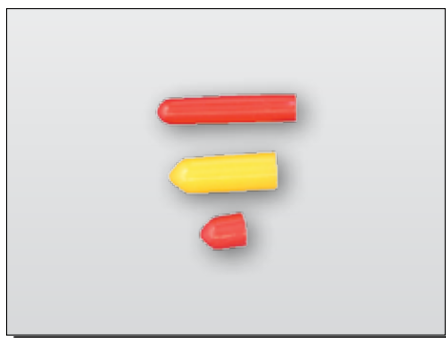
- flexible protective elements for thread, wire, etc

DIP MOULDED CAPS

ARTICLE	MATERIAL	D	H	NOTE
70400	PVC	3,0	10,0	
70405	PVC	3,0	32,0	
70410	PVC	3,5	10,0	
70415	PVC	3,5	15,0	
70420	PVC	4,0	10,0	
70425	PVC	4,4	40,0	
70430	PVC	4,5	10,0	
70431	PVC	4,5	15,0	
70435	PVC	4,5	20,0	
70438	PVC	4,5	25,0	
70440	PVC	4,5	30,0	
70445	PVC	4,5	35,0	
70449	PVC	4,5	65,0	
70450	PVC	4,7	10,0	
70455	PVC	5,0	10,0	
70460	PVC	5,0	20,0	
70465	PVC	5,0	25,0	
70470	PVC	5,0	30,0	
70475	PVC	5,5	10,0	
70478	PVC	5,5	10,0	
70480	PVC	5,5	20,0	
70485	PVC	5,5	30,0	
70490	PVC	5,5	40,0	
70495	PVC	6,0	10,0	
70500	PVC	6,0	15,0	
70501	PVC	6,0	30,0	
70505	PVC	6,5	10,0	
70507	PVC	6,5	20,0	
70510	PVC	7,0	15,0	

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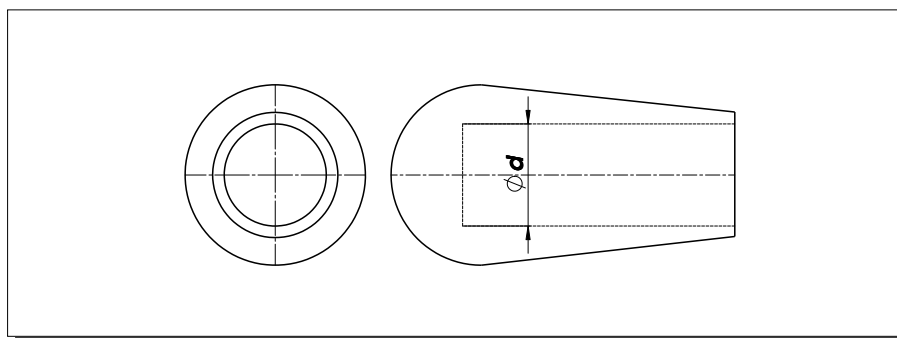
DIP MOULDED CAPS



- flexible protective elements for thread, wire, etc

ARTICLE	MATERIAL	D	H	NOTE
70515	PVC	8,0	10,0	
70520	PVC	10,0	10,0	

CAPS FOR ROUND TUBES

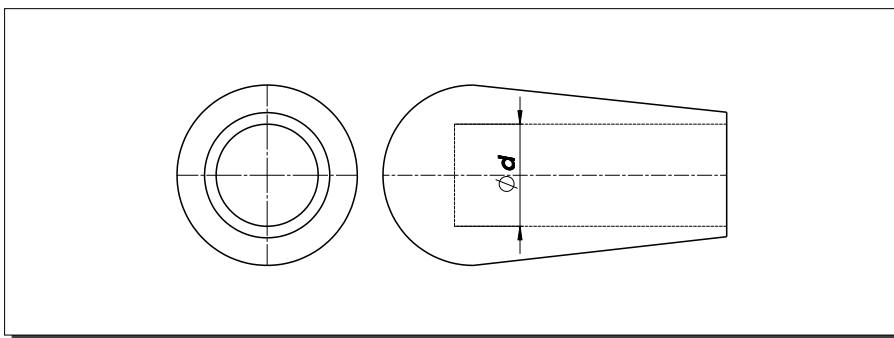


- caps for round tubes

ARTICLE	MATERIAL	d	NOTE
72005	PE	3,0	
72010	PE	4,0	
72015	PE	5,0	
72020	PE	6,0	
72025	PE	7,0	
72030	PE	7,0	with reinforced base
72035	PE	8,0	
72040	PE	10,0	
72045	PE	11,0	
72050	PE	12,0	
72055	PE	13,0	
72060	PE	14,0	

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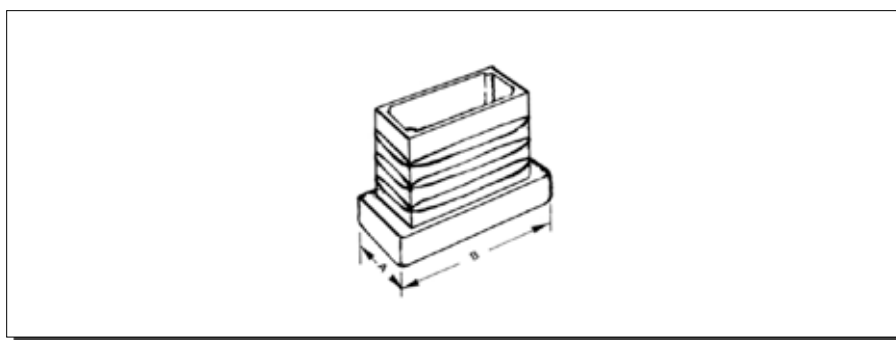
CAPS FOR ROUND TUBES



CAPS FOR ROUND TUBES

ARTICLE	MATERIAL	d	NOTE
72065	PE	15,0	
72070	PE	16,0	
72075	PE	18,0	
72080	PE	18,0	with reinforced base
72085	PE	19,0	
72090	PE	20,0	
72100	PE	20,0	with reinforced base
72105	PE	21,0	
72110	PE	22,0	
72115	PE	24,0	
72125	PE	26,0	
72130	PE	27,0	
72135	PE	28,0	

PLUGS FOR RECTANGULAR TUBES

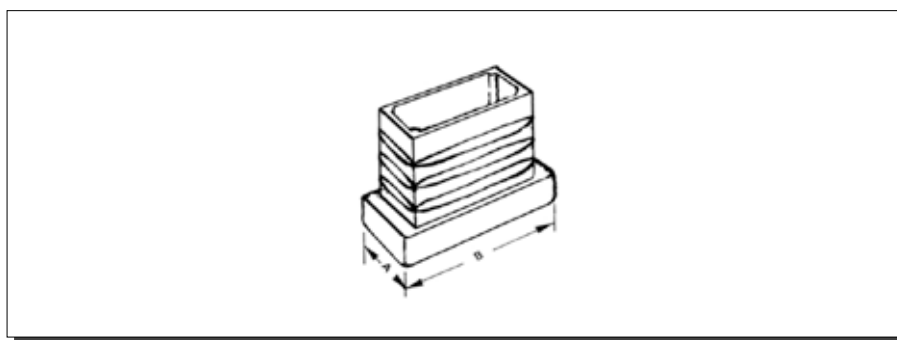


ARTICLE	MATERIAL	B	A	WALL THICKNESS	NOTE
72365	PE	10,0	10,0	1,5 - 2,0	
72370	PE	20,0	10,0	1,5 - 2,0	
72375	PE	25,0	10,0	1,5 - 2,0	
72380	PE	30,0	10,0	1,5 - 2,0	
72385	PE	35,0	10,0	1,5 - 2,0	
72390	PE	40,0	10,0	1,5 - 2,0	
72395	PE	12,0	12,0	1,5 - 2,0	
72400	PE	25,0	12,0	1,5 - 2,0	
72405	PE	15,0	15,0	1,5 - 2,0	
72410	PE	20,0	15,0	1,5 - 2,0	
72415	PE	25,0	15,0	1,5 - 2,0	
72420	PE	30,0	15,0	1,5 - 2,0	
72425	PE	35,0	15,0	1,5 - 2,0	
72430	PE	40,0	15,0	1,5 - 2,0	
72435	PE	45,0	15,0	1,5 - 2,0	
72440	PE	16,0	16,0	1,5 - 2,0	
72445	PE	18,0	18,0	1,5 - 2,0	
72450	PE	20,0	20,0	1,5 - 2,0	
72455	PE	25,0	20,0	1,5 - 2,0	
72460	PE	30,0	20,0	1,5 - 2,0	
72465	PE	35,0	20,0	1,5 - 2,0	
72470	PE	40,0	20,0	1,5 - 2,0	
72475	PE	45,0	20,0	1,5 - 2,0	
72480	PE	50,0	20,0	1,5 - 2,0	
72485	PE	60,0	20,0	1,5 - 2,0	
72490	PE	80,0	20,0	1,5 - 2,0	
72495	PE	22,0	22,0	1,5 - 2,0	
72500	PE	25,0	25,0	1,5 - 2,0	
72505	PE	30,0	25,0	1,5 - 2,0	

PLUGS FOR RECTANGULAR TUBES

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PLUGS FOR RECTANGULAR TUBES

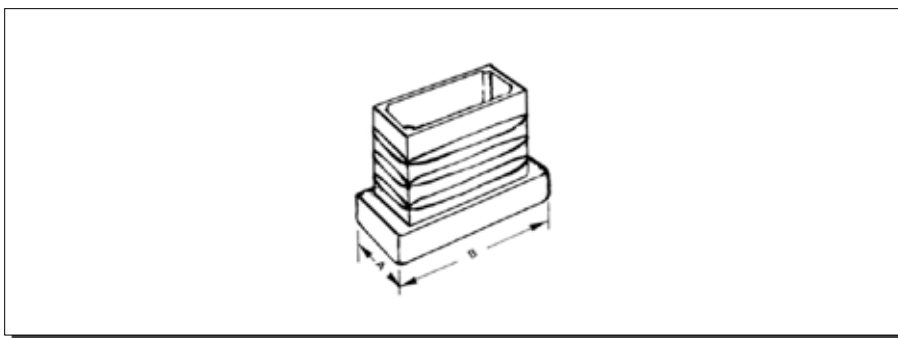


PLUGS FOR RECTANGULAR TUBES

ARTICLE	MATERIAL	B	A	WALL THICKNESS	NOTE
72510	PE	35,0	25,0	1,5 - 2,0	
72515	PE	40,0	25,0	1,5 - 2,0	
72520	PE	45,0	25,0	1,5 - 2,0	
72525	PE	50,0	25,0	1,5 - 2,0	
72530	PE	60,0	25,0	1,5 - 2,0	
72535	PE	70,0	25,0	1,5 - 2,0	
72545	PE	27,0	27,0	1,5 - 2,0	
72550	PE	30,0	30,0	1,5 - 2,0	
72555	PE	35,0	30,0	1,5 - 2,0	
72560	PE	40,0	30,0	1,5 - 2,0	
72565	PE	50,0	30,0	1,5 - 2,0	
72570	PE	60,0	30,0	1,5 - 2,0	
72575	PE	70,0	30,0	1,5 - 2,0	
72580	PE	80,0	30,0	1,5 - 2,0	
72585	PE	120,0	30,0	1,5 - 2,0	
72595	PE	34,0	34,0	1,5 - 2,0	
72600	PE	35,0	35,0	1,5 - 2,0	
72605	PE	55,0	35,0	1,5 - 2,0	
72610	PE	35,0	35,0	1,5 - 2,0	with cage nut
72615	PE	48,0	38,0	1,5 - 2,0	
72620	PE	40,0	40,0	1,5 - 2,0	
72625	PE	50,0	40,0	1,5 - 2,0	
72630	PE	60,0	40,0	1,5 - 2,0	
72635	PE	70,0	40,0	1,5 - 2,0	
72640	PE	80,0	40,0	1,5 - 2,0	
72645	PE	120,0	40,0	3,0	
72650	PE	45,0	45,0	1,5 - 2,0	
72655	PE	50,0	50,0	2,6 - 5,0	
72660	PE	80,0	50,0	4,0	

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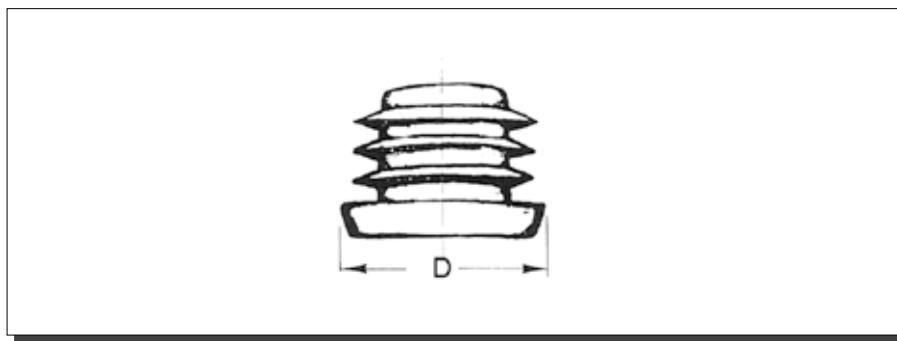
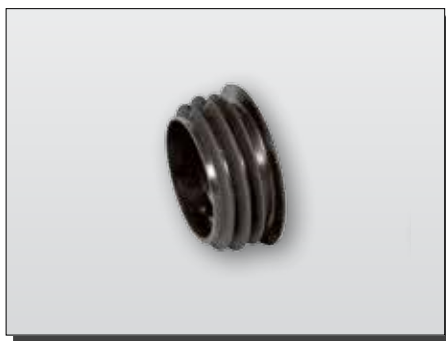
PLUGS FOR RECTANGULAR TUBES



ARTICLE	MATERIAL	B	A	WALL THICKNESS	NOTE
72665	PE	100,0	50,0	3,2 - 6,0	
72670	PE	60,0	60,0	1,5 - 2,0	
72675	PE	80,0	60,0	2,5-3,0 + 5,0	
72680	PE	120,0	60,0	3,0 + 4,0 + 5,0	
72685	PE	60,0	60,0	5,0	
72690	PE	70,0	70,0	3,0	
72695	PE	80,0	80,0	3,0 - 4,0	
72700	PE	140,0	80,0	4,0	
72705	PE	90,0	90,0	5,0	
72710	PE	100,0	100,0	5,0	

PLUGS FOR RECTANGULAR TUBES

PLUGS FOR ROUND TUBES

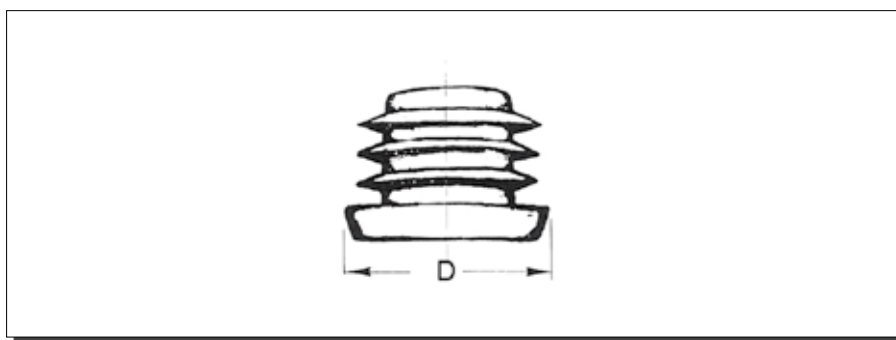
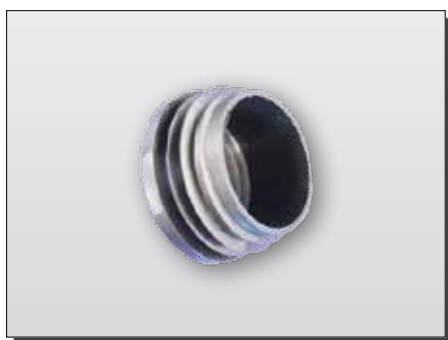


- flat base

ARTICLE	MATERIAL	D	WALL THICKNESS	NOTE
71900	PE	12,0	1,0-2,5	
71901	PE	13,0	1,0-2,5	
71902	PE	14,0	1,0-2,5	
71903	PE	16,0	1,0-2,5	
71904	PE	20,0	1,0-2,5	
71905	PE	22,0	1,0-2,5	
71906	PE	23,0	1,0-2,5	
71907	PE	25,0	1,0-2,5	
71908	PE	25,0	2,5-3,5	
71909	PE	27,0	1,0-2,5	
71910	PE	28,0	1,0-2,5	
71911	PE	30,0	1,0-2,5	
71912	PE	30,0	2,5-4,0	
71913	PE	32,0	1,0-2,5	
71914	PE	35,0	1,0-2,5	
71915	PE	40,0	1,0-2,5	
71916	PE	42,0	1,0-2,5	
71917	PE	42,0	2,5-3,5	
71918	PE	45,0	1,0-2,5	

PLUGS FOR RECTANGULAR TUBES

PLUGS FOR ROUND TUBES



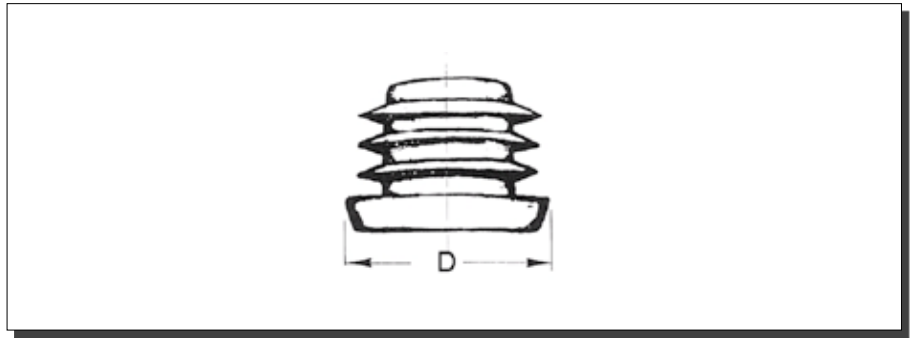
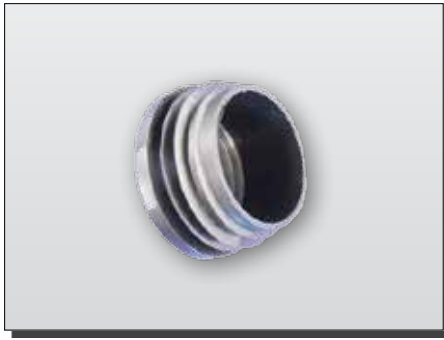
- straight base

ARTICLE	MATERIAL	D	WALL THICKNESS	NOTE
72149	PE	10,0	1,0-2,5	
72150	PE	12,0	1,0-2,5	
72160	PE	13,0	1,5-2,0	
72170	PE	14,0	1,5-2,0	
72180	PE	15,0	1,0-2,5	
72181	PE	15,0	1,0-2,5	
72182	PE	15,0	4,5-5,0	
72190	PE	16,0	1,0-2,5	
72200	PE	18,0	1,0-2,5	
72210	PE	19,0	1,5-2,0	
72220	PE	20,0	1,0-2,5	
72230	PE	22,0	1,0-2,5	
72240	PE	25,0	1,0-2,5	
72241	PE	25,0	2,5-4,5	
72250	PE	27,0	1,0-2,5	
72260	PE	28,0	1,0-2,5	
72270	PE	30,0	1,0-2,5	
72271	PE	30,0	2,5-4,0	
72280	PE	32,0	1,0-2,5	
72290	PE	34,0	1,0-2,5	
72291	PE	34,0	3,0-4,0	
72300	PE	35,0	1,0-2,5	
72310	PE	36,0	1,5-2,0	
72320	PE	38,0	1,5-2,0	
72325	PE	40,0	1,0-2,5	
72335	PE	42,0	1,0-2,5	
72336	PE	42,0	2,5-3,5	
72340	PE	45,0	1,0-2,5	
72341	PE	48,0	1,0-2,5	

PLUGS FOR ROUND TUBES, STRAIGHT BASE

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PLUGS FOR ROUND TUBES

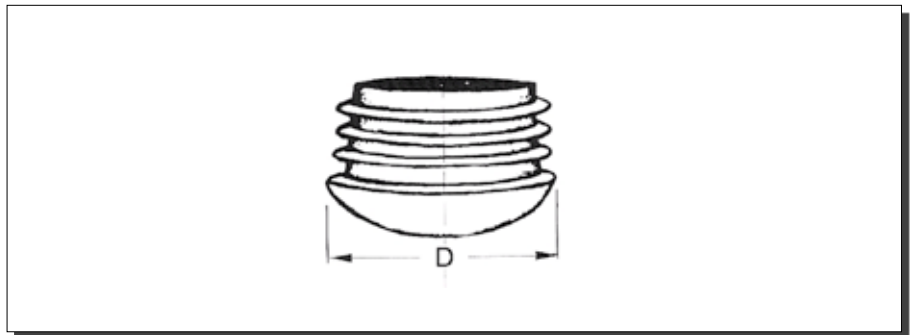


- straight base

ARTICLE	MATERIAL	D	WALL THICKNESS	NOTE
72342	PE	48,0	3,0-4,0	
72345	PE	50,0	1,0-2,5	
72350	PE	55,0	1,5-2,0	
72355	PE	60,0	1,0-2,5	

PLUGS FOR ROUND TUBES

PLUGS FOR ROUND TUBES

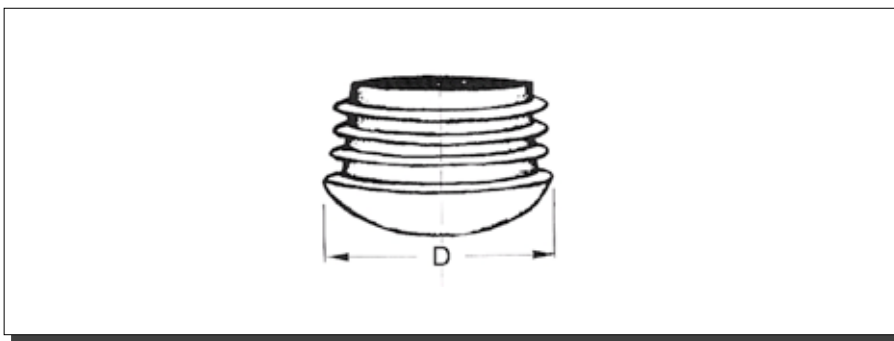
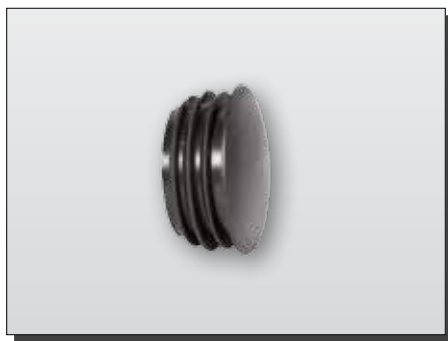


- domed base

ARTICLE	MATERIAL	D	WALL THICKNESS	NOTE
72140	PE	10,0	1,5-2,0	
72145	PE	12,0	1,5-2,0	
72155	PE	13,0	1,5-2,0	
72165	PE	14,0	1,5-2,0	
72175	PE	15,0	1,5-2,0	
72185	PE	16,0	1,0-2,5	
72195	PE	18,0	1,5-2,0	
72205	PE	19,0	1,5-2,0	
72215	PE	20,0	1,0-2,5	
72225	PE	22,0	1,0-2,5	

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PLUGS FOR ROUND TUBES

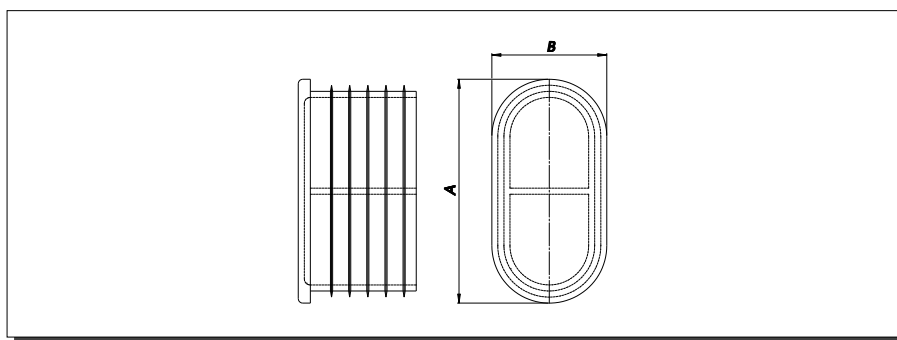


- domed base

ARTICLE	MATERIAL	D	WALL THICKNESS	NOTE
72235	PE	25,0	1,0-2,5	
72236	PE	25,0	1,0-2,5	
72245	PE	27,0	1,0-2,5	
72255	PE	28,0	1,0-2,5	
72265	PE	30,0	1,0-2,5	
72266	PE	30,0	2,5-4,5	
72267	PE	30,0	4,0-5,0	
72275	PE	32,0	1,0-2,5	
72285	PE	34,0	1,0-2,5	
72295	PE	35,0	1,0-2,5	
72305	PE	36,0	1,5-2,0	
72315	PE	38,0	1,5-2,0	
72316	PE	40,0	1,0-2,5	
72330	PE	42,0	1,0-2,5	
72331	PE	42,0	2,5-3,5	
72332	PE	50,0	1,0-2,5	

PLUGS FOR ROUND TUBES

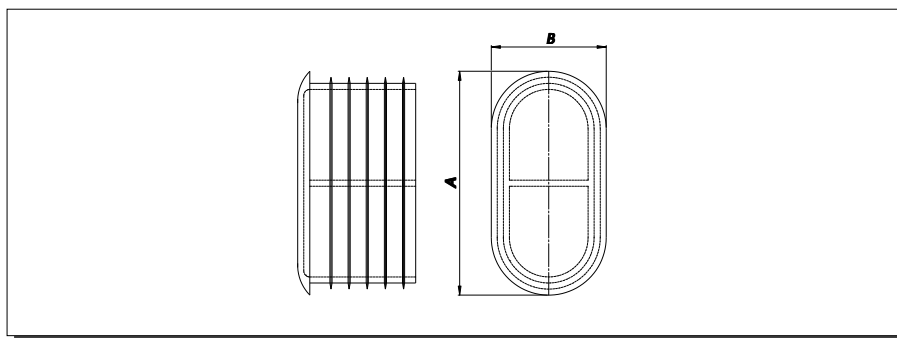
PLUGS FOR OVAL TUBES



- straight base

ARTICLE	MATERIAL	B	A	WALL THICKNESS	NOTE
71919	PE	30,0	15,0	1,0-2,5	
71920	PE	40,0	20,0	1,0-2,6	
71921	PE	40,0	25,0	1,0-2,7	
71922	PE	45,0	17,0	1,0-2,8	
71923	PE	50,0	20,0	1,0-2,9	
71924	PE	60,0	30,0	1,0-2,5	

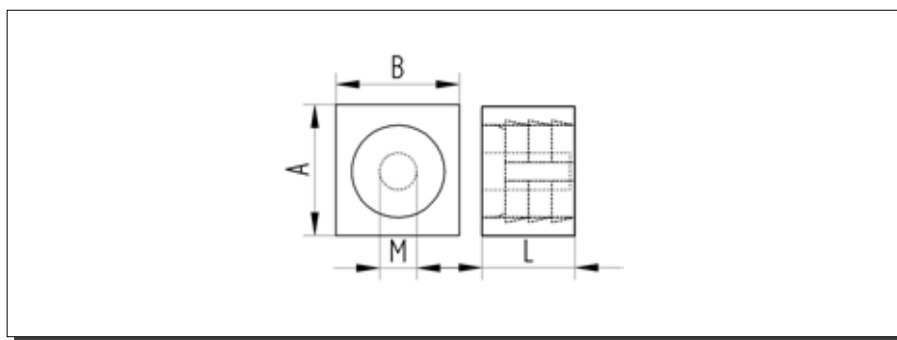
PLUGS FOR OVAL TUBES



- domed base

ARTICLE	MATERIAL	B	A	WALL THICKNESS	NOTE
71925	PE	30,0	15,0	1,0-2,5	
71926	PE	38,0	20,0	1,0-2,6	
71927	PE	40,0	20,0	1,0-2,7	
71928	PE	50,0	20,0	1,0-2,8	
71929	PE	60,0	20,0	1,0-2,9	

SCREW PLUGS FOR RECTANGULAR TUBES

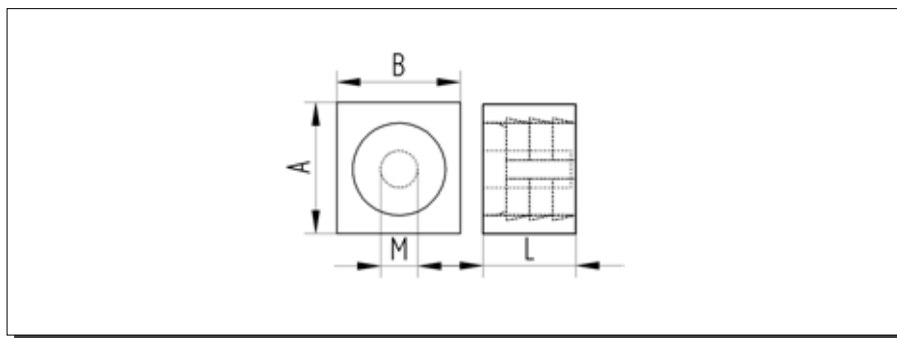


ARTICLE	MATERIAL	L	THREAD	B	A	NOTE
73110	PA	40,0	M 8	15,0	15,0	
73115	PA	40,0	M 8	20,0	15,0	
73120	PA	40,0	M 8	25,0	15,0	
73125	PA	40,0	M 8	30,0	15,0	
73130	PA	40,0	M 10	30,0	15,0	
73135	PA	40,0	M 8	18,0	18,0	
73140	PA	40,0	M 10	18,0	18,0	
73145	PA	40,0	M 8	20,0	20,0	
73150	PA	40,0	M 10	20,0	20,0	
73155	PA	40,0	M 12	20,0	20,0	
73165	PA	40,0	M 8	25,0	20,0	
73500	PA	40,0	M 10	25,0	20,0	
73170	PA	40,0	M 12	25,0	20,0	
73175	PA	40,0	M 8	30,0	20,0	
73180	PA	40,0	M 10	30,0	20,0	
73185	PA	40,0	M 12	30,0	20,0	
73190	PA	40,0	M 8	35,0	20,0	
73195	PA	40,0	M 8	40,0	20,0	
73200	PA	40,0	M 10	40,0	20,0	
73205	PA	40,0	M 12	40,0	20,0	
73210	PA	40,0	M 8	22,0	22,0	
73215	PA	40,0	M 10	22,0	22,0	
73220	PA	40,0	M 12	22,0	22,0	
73230	PA	40,0	M 8	25,0	25,0	
73235	PA	40,0	M 10	25,0	25,0	
73240	PA	35,0	M 12	25,0	25,0	
73245	PA	35,0	M 16	25,0	25,0	
73265	PA	40,0	M 16	40,0	25,0	
73270	PA	40,0	M 10	45,0	25,0	

SCREW PLUGS FOR RECTANGULAR TUBES

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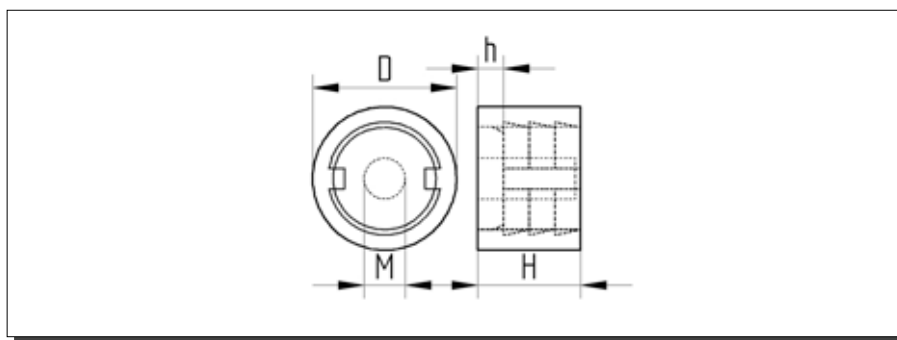
SCREW PLUGS FOR RECTANGULAR TUBES



SCREW PLUGS FOR RECTANGULAR TUBES

ARTICLE	MATERIAL	L	THREAD	B	A	NOTE
73275	PA	40,0	M 16	45,0	25,0	
73280	PA	40,0	M 10	45,0	25,0	with steel thread
73285	PA	40,0	M 16	50,0	25,0	
73290	PA	35,0	M 8	30,0	30,0	
73295	PA	35,0	M 10	30,0	30,0	
73300	PA	35,0	M 12	30,0	30,0	
73305	PA	35,0	M 16	30,0	30,0	
73310	PA	35,0	M 22	30,0	30,0	
73325	PA	40,0	M 10	40,0	30,0	
73330	PA	40,0	M 22	40,0	30,0	
73335	PA	40,0	M 22	50,0	30,0	
73340	PA	40,0	M 22	60,0	30,0	
73355	PA	40,0	M 12	35,0	35,0	
73360	PA	40,0	M 16	35,0	35,0	
73365	PA	40,0	M 22	35,0	35,0	
73370	PA	40,0	M 10	35,0	35,0	with steel thread
73375	PA	40,0	M 10	40,0	40,0	
73380	PA	40,0	M 12	40,0	40,0	
73385	PA	40,0	M 16	40,0	40,0	
73390	PA	40,0	M 22	40,0	40,0	
73395	PA	40,0	M 10	40,0	40,0	with steel thread
73400	PA	50,0	M 22	50,0	40,0	
73405	PA	45,0	M 22	45,0	45,0	
73410	PA	50,0	M 22	50,0	50,0	
73415	PA	60,0	M 22	60,0	60,0	
73420	PA	60,0	M 10	60,0	60,0	with steel thread

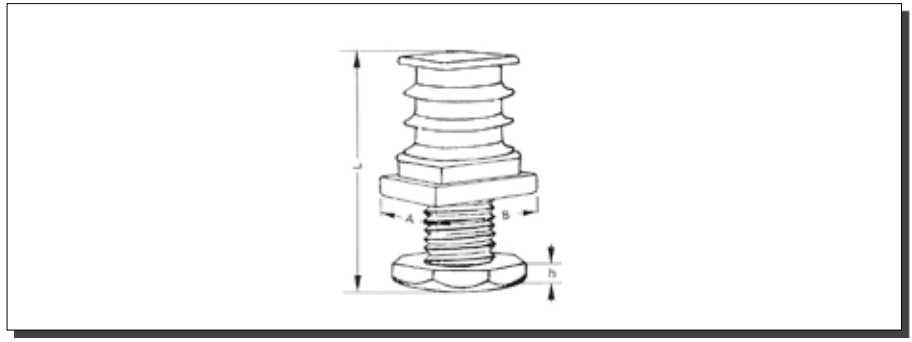
SCREW PLUGS FOR ROUND TUBES



ARTICLE	MATERIAL	D	H	THREAD	h	WALL THICKNESS
72940	PA	16,0	40,0	M 8	5,0	1,5
72945	PA	18,0	40,0	M 8	5,0	1,5
72950	PA	18,0	40,0	M 10	5,0	1,5
72955	PA	20,0	40,0	M 8	5,0	1,0 - 1,5
72960	PA	20,0	40,0	M 10	5,0	1,5 - 2,0
72965	PA	20,0	40,0	M 12	5,0	1,0 - 1,5
72970	PA	22,0	40,0	M 8	5,0	1,5 - 2,0
72975	PA	22,0	40,0	M 10	5,0	1,5 - 2,0
72980	PA	22,0	40,0	M 12	5,0	1,0 - 1,5
72985	PA	22,0	40,0	M 10	5,0	2,0
72990	PA	25,0	40,0	M 8	5,0	1,5 - 2,0
72995	PA	25,0	40,0	M 10	5,0	1,5 - 2,0
73000	PA	25,0	40,0	M 12	5,0	1,0 - 2,0
73005	PA	25,0	40,0	M 16	5,0	1,5
73010	PA	28,0	40,0	M 8	5,0	1,5 - 2,0
73015	PA	28,0	40,0	M 10	5,0	1,0 - 1,5
73020	PA	28,0	40,0	M 16	5,0	1,0 - 2,0
73025	PA	30,0	40,0	M 8	5,0	1,5 - 2,0
73030	PA	30,0	40,0	M 10	5,0	1,5 - 2,0
73035	PA	30,0	40,0	M 16	5,0	1,5 - 2,0
73040	PA	30,0	40,0	M 22	5,0	1,5 - 2,0
73050	PA	32,0	40,0	M 10	5,0	1,5 - 2,0
73055	PA	32,0	40,0	M 22	5,0	1,0 - 2,0
73065	PA	35,0	40,0	M 22	5,0	1,2 - 2,0
73075	PA	40,0	40,0	M 22	5,0	1,0 - 2,0
73085	PA	42,0	40,0	M 22	5,0	1,5 - 2,0
73090	PA	45,0	40,0	M 22	5,0	1,5 - 2,0
73095	PA	50,0	40,0	M 22	5,0	1,5 - 2,0

SCREW PLUGS FOR ROUND TUBES

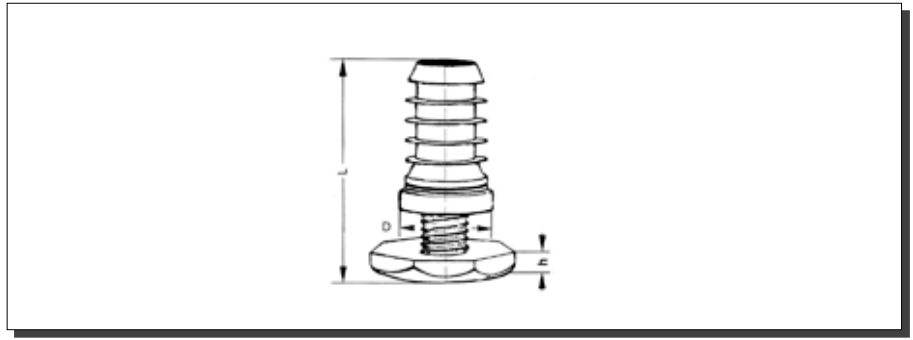
ADJUSTABLE SLIDERS FOR RECTANGULAR TUBES



ADJUSTABLE SLIDERS FOR RECTANGULAR TUBES

ARTICLE	MATERIAL	L	THREAD	h	B	A	WALL THICKNESS
72810	PA	25,0	M 12	5,0	20,0	20,0	1,0 - 2,0
72815	PA	25,0	M 12	5,0	30,0	20,0	1,0 - 2,0
72820	PA	25,0	M 12	5,0	40,0	20,0	1,0 - 2,0
72825	PA	25,0	M 12	5,0	22,0	22,0	1,0 - 2,0
72830	PA	25,0	M 12	5,0	25,0	25,0	1,0 - 2,0
72835	PA	33,0	M 16	5,0	25,0	25,0	1,0 - 2,0
72840	PA	33,0	M 16	5,0	40,0	25,0	1,0 - 2,0
72845	PA	33,0	M 16	5,0	45,0	25,0	1,0 - 2,0
72850	PA	33,0	M 16	5,0	50,0	25,0	1,0 - 2,0
72855	PA	33,0	M 16	5,0	30,0	30,0	1,0 - 2,0
72860	PA	30,0	M 22	5,0	30,0	30,0	1,0 - 2,0
72875	PA	30,0	M 22	5,0	40,0	30,0	1,0 - 2,0
72880	PA	30,0	M 22	5,0	50,0	30,0	1,0 - 2,0
72895	PA	30,0	M 22	5,0	60,0	30,0	1,0 - 2,0
72900	PA	30,0	M 22	5,0	35,0	35,0	1,0 - 2,0
72910	PA	30,0	M 22	5,0	40,0	40,0	1,0 - 2,0
72920	PA	30,0	M 22	5,0	50,0	40,0	1,0 - 2,0
72925	PA	30,0	M 22	5,0	45,0	45,0	1,0 - 2,0
72930	PA	50,0	M 22	5,0	50,0	50,0	1,0 - 2,0
72935	PA	50,0	M 22	5,0	60,0	60,0	1,0 - 2,0

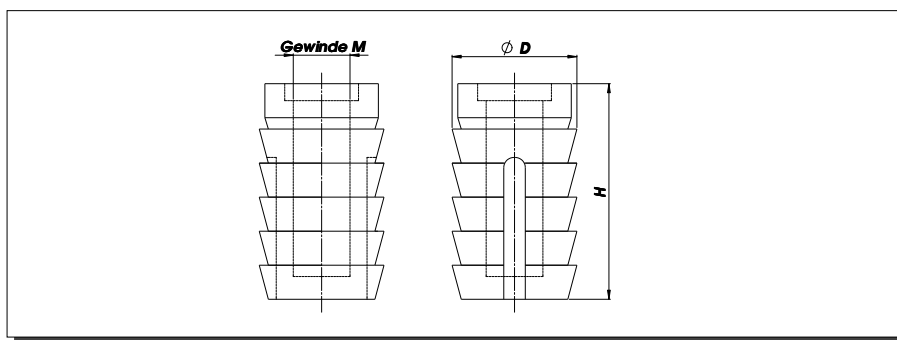
ADJUSTABLE SLIDERS FOR ROUND TUBES



ARTICLE	MATERIAL	D	L	THREAD	h	WALL THICKNESS
72730	PA	20,0	25,0	M 12	5,0	1,5 - 2,0
72735	PA	22,0	25,0	M 12	5,0	1,5 - 2,0
72740	PA	25,0	25,0	M 12	5,0	1,5 - 2,0
72745	PA	25,0	33,0	M 16	5,0	1,5 - 2,0
72750	PA	28,0	33,0	M 16	5,0	1,5 - 2,0
72755	PA	30,0	33,0	M 16	5,0	1,5 - 2,0
72760	PA	30,0	30,0	M 22	5,0	1,5 - 2,0
72765	PA	32,0	30,0	M 22	5,0	1,5 - 2,0
72770	PA	35,0	30,0	M 22	5,0	1,5 - 2,0
72775	PA	40,0	30,0	M 20	5,0	1,5 - 2,0
72780	PA	40,0	30,0	M 22	5,0	1,5 - 2,0
72790	PA	42,0	30,0	M 22	5,0	1,5 - 2,0
72800	PA	45,0	30,0	M 22	5,0	1,5 - 2,0
72805	PA	50,0	30,0	M 22	5,0	1,5 - 2,0

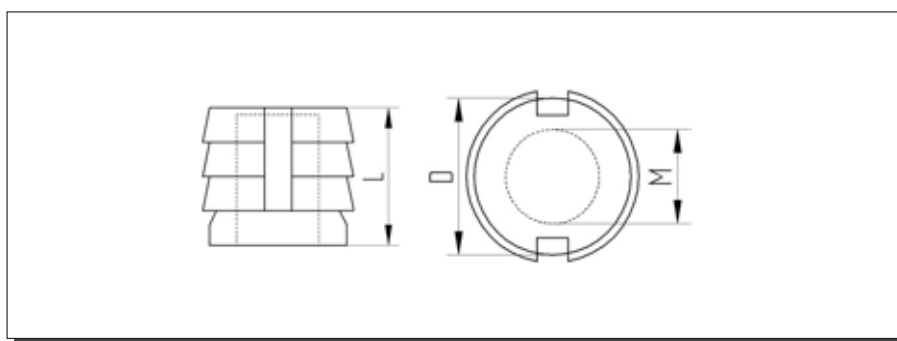
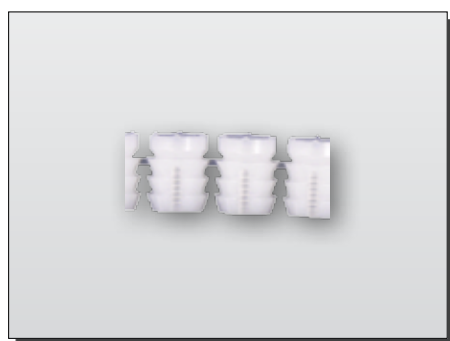
ADJUSTABLE SLIDERS FOR ROUND TUBES

THREADED SLEEVES



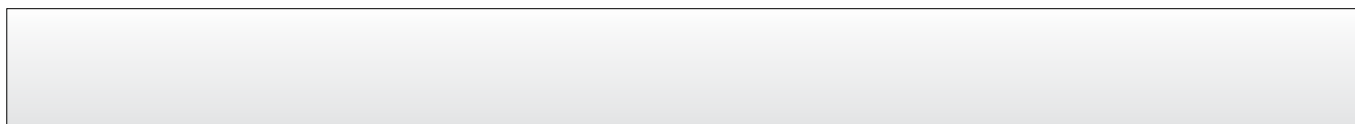
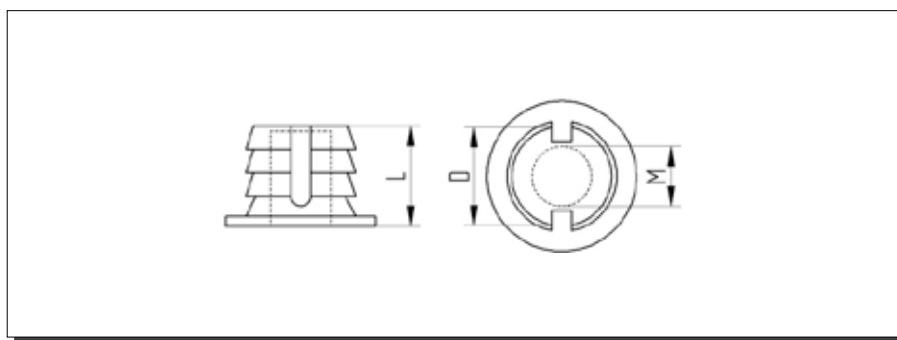
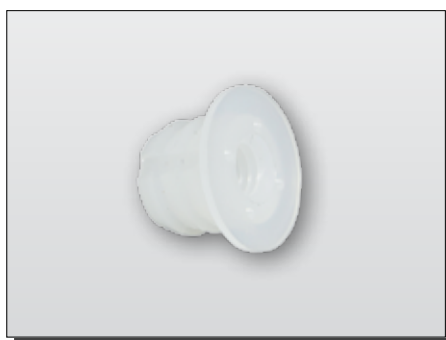
THREADED SLEEVES

ARTICLE	MATERIAL	D	H	THREAD	NOTE
73600	PA	8,0	8,0	M 4	
73615	PA	8,0	11,0	M 5	
73605	PA	10,0	10,0	M 4	
73610	PA	10,0	13,0	M 4	
73620	PA	10,0	11,0	M 5	
73635	PA	10,0	10,0	M 6	
73640	PA	10,0	13,0	M 6	
73645	PA	10,0	18,0	M 6	



ARTICLE	MATERIAL	D	L	THREAD	NOTE
73650	PA	10,0	10,0	M 6	in strips of 20 units
73655	PA	10,0	13,0	M 6	in strips of 20 units

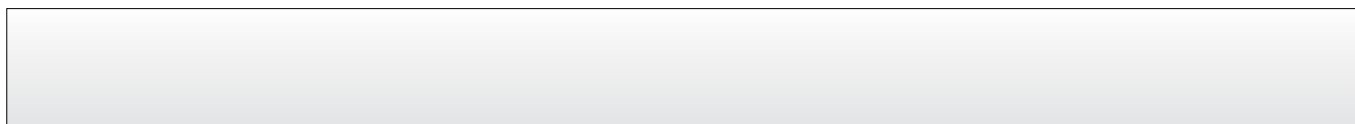
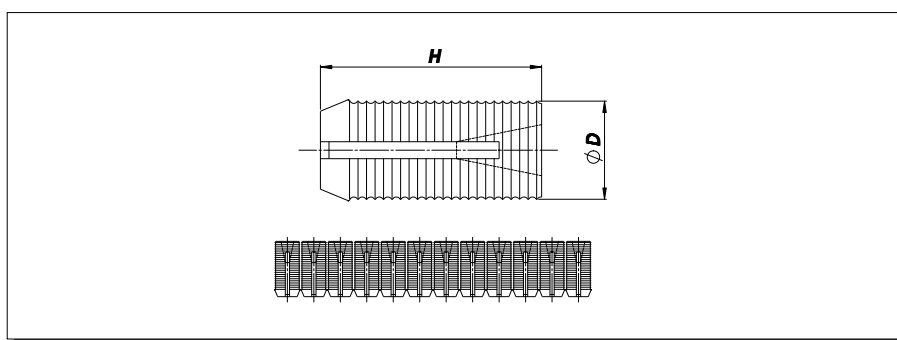
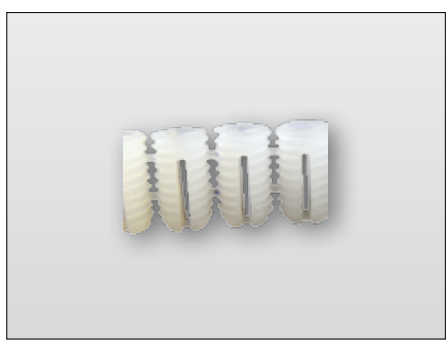
THREADED SLEEVES



ARTICLE	MATERIAL	D	L	THREAD	NOTE
73660	PA	10,0	10,0	M 6	with collar

THREADED SLEEVES

EXPANDING SLEEVES

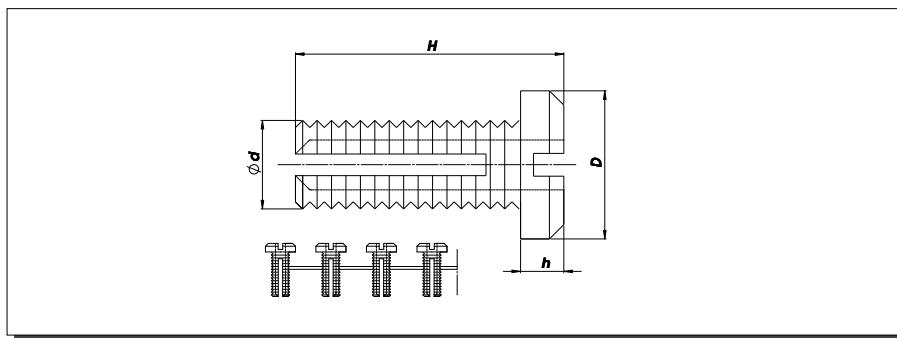


ARTICLE	MATERIAL	D	H	NOTE
73750	PA	5,0	10,0	in strips of 46 units
73755	PA	5,0	12,0	in strips of 18 units
73760	PA	5,0	13,0	in strips of 46 units

EXPANDING SLEEVES

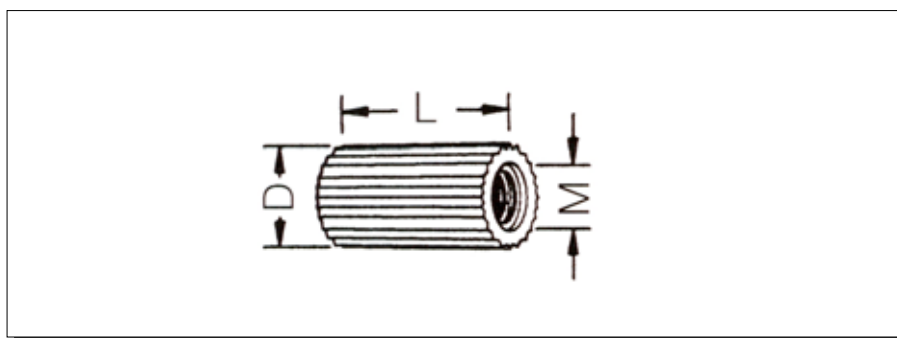
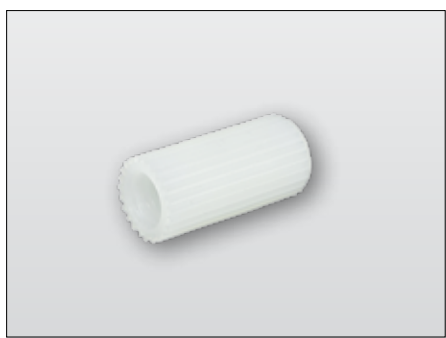
EXPANDING SLEEVES

EXPANDING SLEEVES



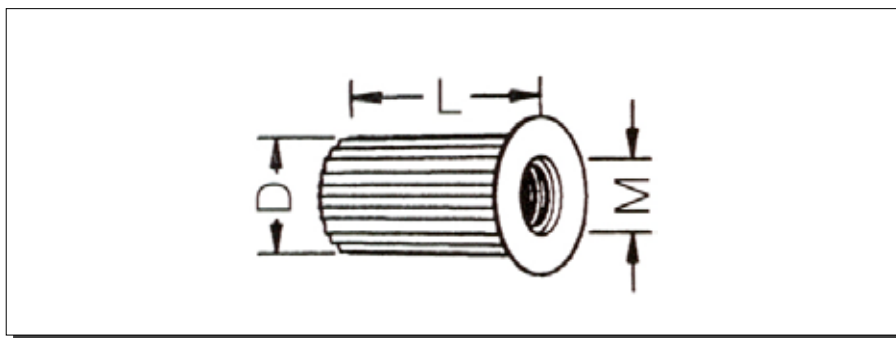
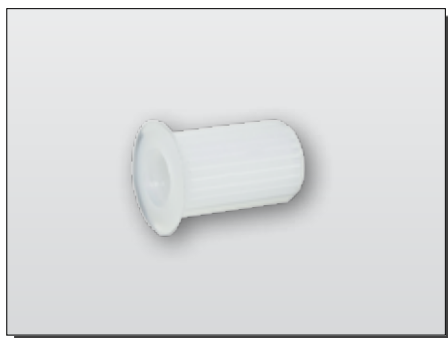
ARTICLE	MATERIAL	D	H	d	h	NOTE
73765	PA	7,0	10,0	5,0	2,5	in strips of 20 units with collar
73770	PA	7,0	12,0	5,0	2,5	in strips of 18 units with collar

BUSHES



ARTICLE	MATERIAL	D	L	THREAD	NOTE
73700	PA	10,0	16,0	M 6	
73705	PA	10,0	17,5	M 6	
73710	PA	10,0	19,0	M 6	
73715	PA	10,0	21,0	M 6	

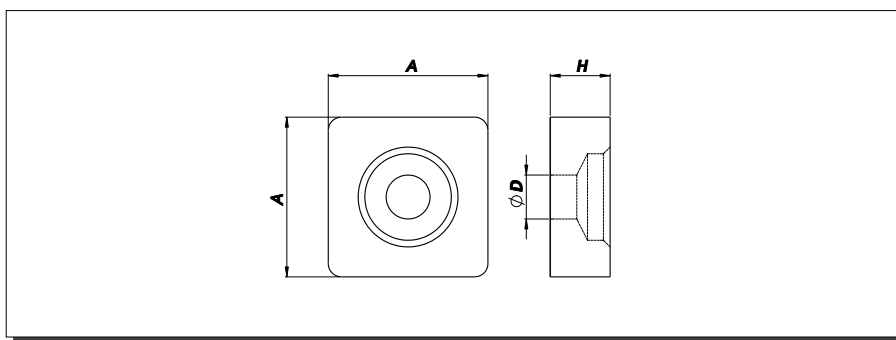
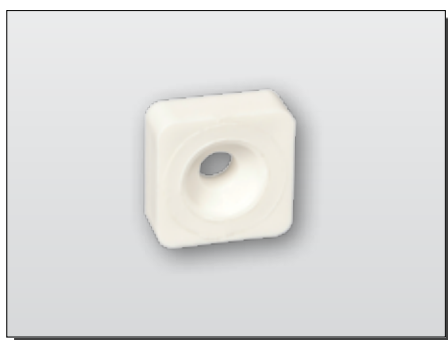
BUSHES



ARTICLE	MATERIAL	D	L	THREAD	NOTE
73720	PA	10,0	17,5	M 6	with collar

BUSHES

END STOPS

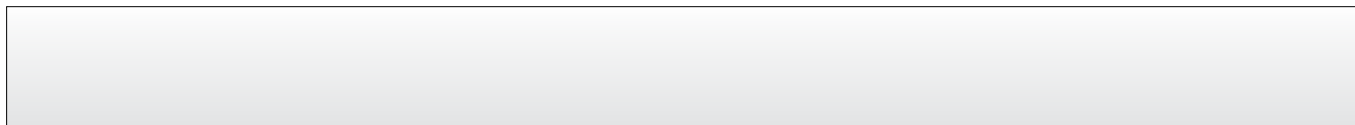
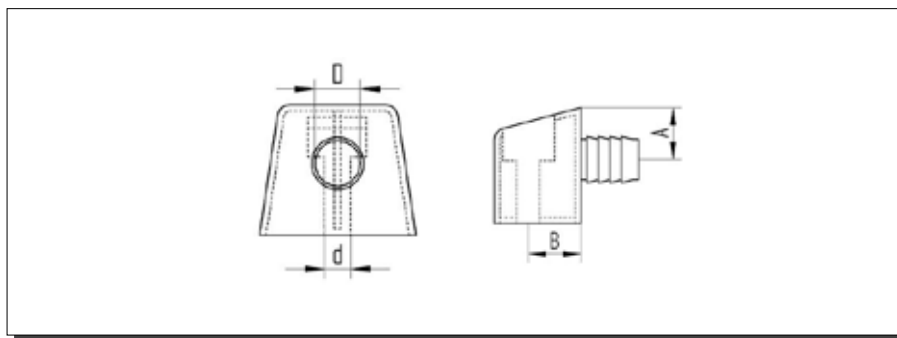


ARTICLE	MATERIAL	D	A	H	NOTE
47200	PA	5,0	12,0	2,5	
47205	PA	3,0	12,0	4,0	
47210	PA	3,0	12,0	4,5	
47215	PA	8,7	12,0	4,5	

END STOPS

CORNER CONNECTORS

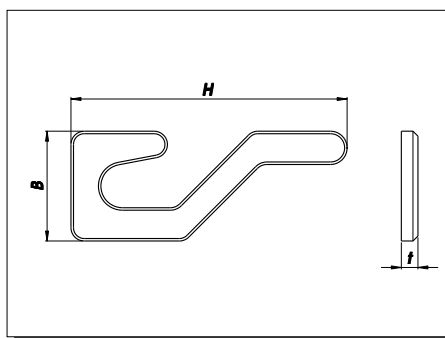
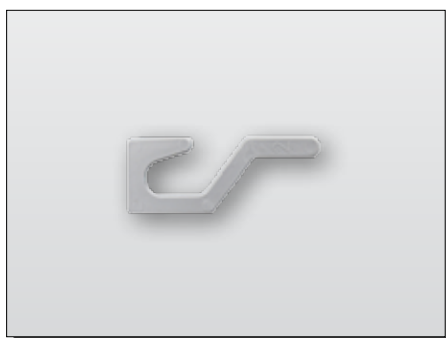
CORNER CONNECTORS



ARTICLE	MATERIAL	D	d	B	A	NOTE
46850	PA	8,0	4,0	9,5	9,0	

COMPENSATION HOOKS

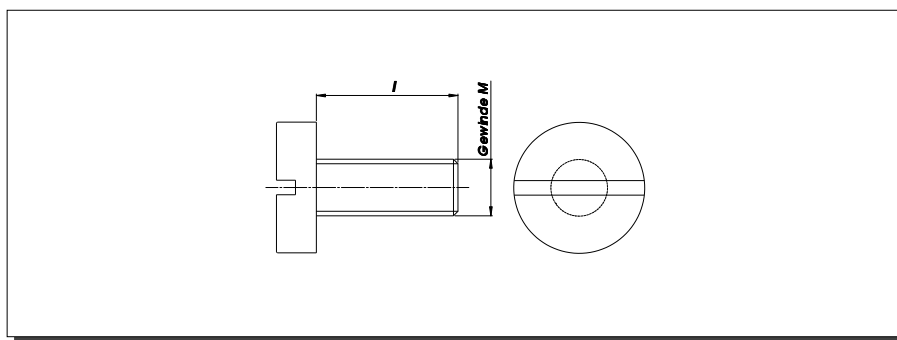
COMPENSATION HOOKS



- for the adjustment of uneven substructures
 - coloured according to stength

ARTICLE	MATERIAL	H	B	t	NOTE
21774	PE	82,0	34,0	2,0	colour: RAL 7001
21775	PE	82,0	34,0	3,0	colour: RAL 9005
21776	PE	82,0	34,0	4,0	colour: RAL 9010
21777	PE	82,0	34,0	5,0	colour: RAL 8007

SLOTTED CYLINDER BOLTS

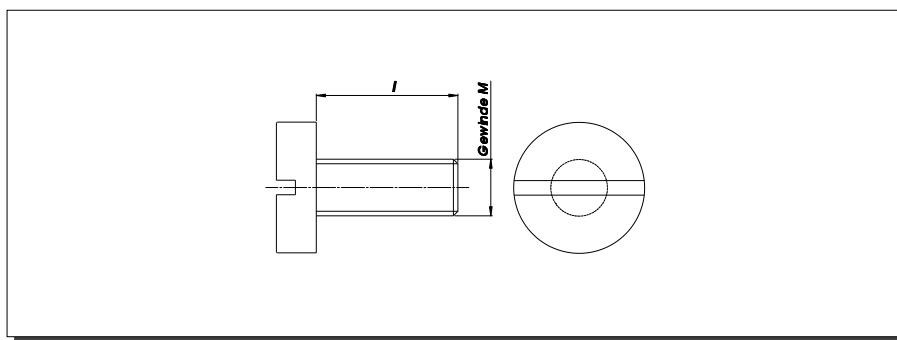


ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75001	PA	M 3	6,0	84	1207	
75002	PA	M 3	8,0	84	1207	
75003	PA	M 3	10,0	84	1207	
75004	PA	M 3	12,0	84	1207	
75005	PA	M 3	16,0	84	1207	
75006	PA	M 3	20,0	84	1207	
75007	PA	M 3	25,0	84	1207	
75008	PA	M 3	30,0	84	1207	
75009	PA	M 4	6,0	84	1207	
75010	PA	M 4	8,0	84	1207	
75011	PA	M 4	10,0	84	1207	
75012	PA	M 4	12,0	84	1207	
75013	PA	M 4	16,0	84	1207	
75014	PA	M 4	20,0	84	1207	
75015	PA	M 4	25,0	84	1207	
75016	PA	M 4	30,0	84	1207	
75017	PA	M 4	35,0	84	1207	
75018	PA	M 4	40,0	84	1207	
75019	PA	M 5	6,0	84	1207	
75020	PA	M 5	8,0	84	1207	
75021	PA	M 5	10,0	84	1207	
75022	PA	M 5	12,0	84	1207	
75023	PA	M 5	14,0	84	1207	
75024	PA	M 5	16,0	84	1207	
75025	PA	M 5	20,0	84	1207	
75026	PA	M 5	25,0	84	1207	
75027	PA	M 5	30,0	84	1207	
75028	PA	M 5	35,0	84	1207	
75029	PA	M 5	40,0	84	1207	

SLOTTED CYLINDER BOLTS

Continued on next Page

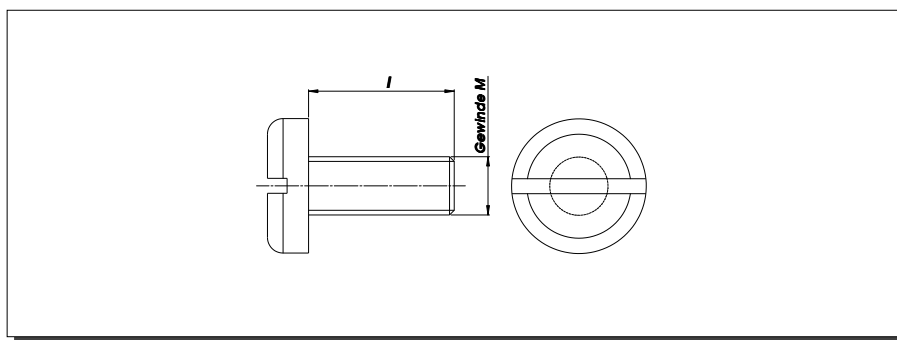
SLOTTED CYLINDER BOLTS



SLOTTED CYLINDER BOLTS

ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75030	PA	M 5	45,0	84	1207	
75031	PA	M 5	50,0	84	1207	
75032	PA	M 6	6,0	84	1207	
75033	PA	M 6	8,0	84	1207	
75034	PA	M 6	10,0	84	1207	
75035	PA	M 6	12,0	84	1207	
75036	PA	M 6	16,0	84	1207	
75037	PA	M 6	20,0	84	1207	
75038	PA	M 6	25,0	84	1207	
75039	PA	M 6	30,0	84	1207	
75040	PA	M 6	35,0	84	1207	
75041	PA	M 6	40,0	84	1207	
75042	PA	M 6	45,0	84	1207	
75043	PA	M 6	50,0	84	1207	
75044	PA	M 6	60,0	84	1207	
75045	PA	M 6	70,0	84	1207	
75046	PA	M 8	10,0	84	1207	
75047	PA	M 8	16,0	84	1207	
75048	PA	M 8	20,0	84	1207	
75049	PA	M 8	25,0	84	1207	
75050	PA	M 8	30,0	84	1207	
75051	PA	M 8	35,0	84	1207	
75052	PA	M 8	40,0	84	1207	
75053	PA	M 8	50,0	84	1207	
75054	PA	M 8	60,0	84	1207	
75055	PA	M 8	80,0	84	1207	
75056	PA	M 10	20,0	84	1207	
75057	PA	M 10	25,0	84	1207	

SLOTTED FLAT HEAD BOLTS

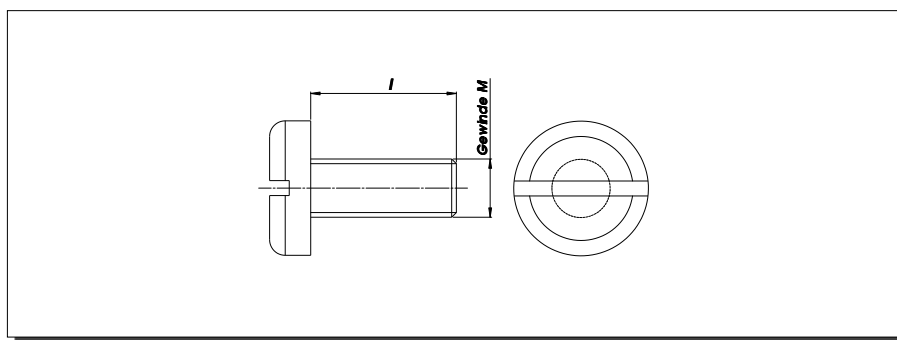


ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75100	PA	M 3	6,0	85	1580	
75101	PA	M 3	8,0	85	1580	
75102	PA	M 3	10,0	85	1580	
75103	PA	M 3	12,0	85	1580	
75104	PA	M 3	16,0	85	1580	
75105	PA	M 3	20,0	85	1580	
75106	PA	M 3	25,0	85	1580	
75107	PA	M 3	30,0	85	1580	
75108	PA	M 4	6,0	85	1580	
75109	PA	M 4	8,0	85	1580	
75110	PA	M 4	10,0	85	1580	
75111	PA	M 4	12,0	85	1580	
75112	PA	M 4	16,0	85	1580	
75113	PA	M 4	20,0	85	1580	
75114	PA	M 4	25,0	85	1580	
75115	PA	M 4	30,0	85	1580	
75116	PA	M 4	35,0	85	1580	
75117	PA	M 4	40,0	85	1580	
75118	PA	M 5	6,0	85	1580	
75119	PA	M 5	8,0	85	1580	
75120	PA	M 5	10,0	85	1580	
75121	PA	M 5	12,0	85	1580	
75122	PA	M 5	16,0	85	1580	
75123	PA	M 5	20,0	85	1580	
75124	PA	M 5	25,0	85	1580	
75125	PA	M 5	30,0	85	1580	
75126	PA	M 5	35,0	85	1580	
75127	PA	M 5	40,0	85	1580	
75128	PA	M 5	45,0	85	1580	

SLOTTED FLAT HEAD BOLTS

Continued on next Page

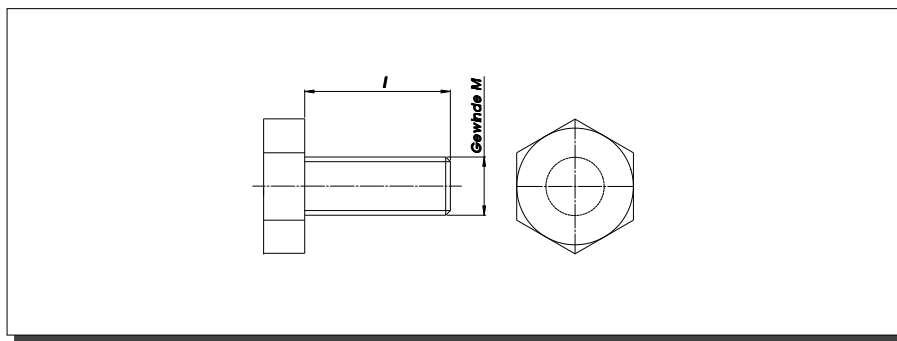
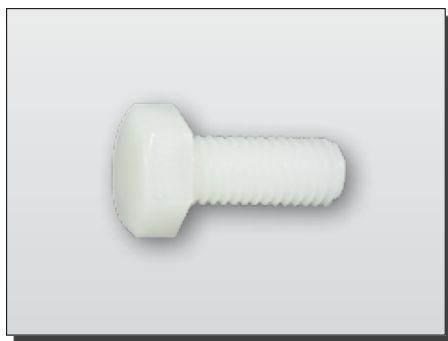
SLOTTED FLAT HEAD BOLTS



SLOTTED FLAT HEAD BOLTS

ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75129	PA	M 5	50,0	85	1580	
75130	PA	M 6	5,0	85	1580	
75131	PA	M 6	8,0	85	1580	
75132	PA	M 6	10,0	85	1580	
75133	PA	M 6	12,0	85	1580	
75134	PA	M 6	16,0	85	1580	
75135	PA	M 6	20,0	85	1580	
75136	PA	M 6	25,0	85	1580	
75137	PA	M 6	30,0	85	1580	
75138	PA	M 6	35,0	85	1580	
75139	PA	M 6	40,0	85	1580	
75140	PA	M 6	45,0	85	1580	
75141	PA	M 6	50,0	85	1580	
75142	PA	M 6	60,0	85	1580	
75143	PA	M 6	70,0	85	1580	
75144	PA	M 8	10,0	85	1580	
75145	PA	M 8	16,0	85	1580	
75146	PA	M 8	20,0	85	1580	
75147	PA	M 8	25,0	85	1580	
75148	PA	M 8	30,0	85	1580	
75149	PA	M 8	35,0	85	1580	
75150	PA	M 8	40,0	85	1580	
75151	PA	M 8	50,0	85	1580	
75152	PA	M 8	60,0	85	1580	
75153	PA	M 8	80,0	85	1580	

HEXHEAD BOLTS

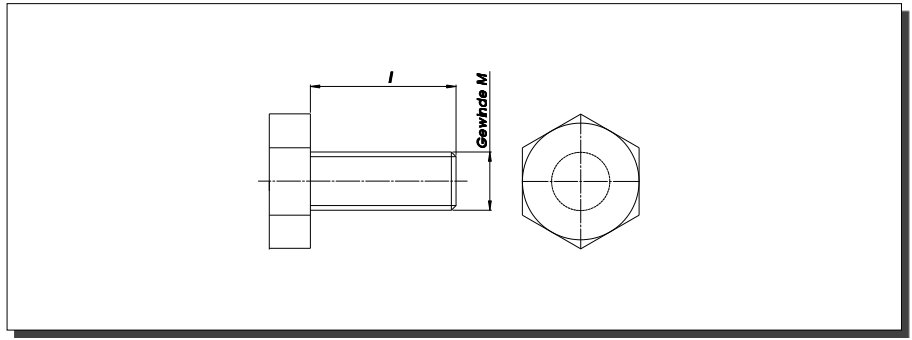
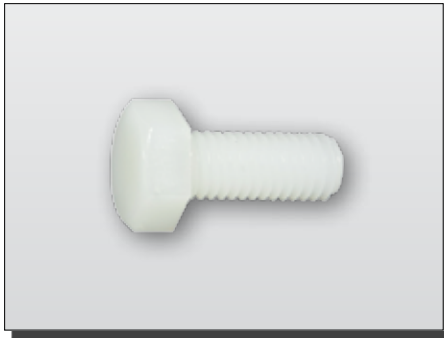


ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75200	PA	M 3	6,0	34810 similar DIN 933	24017 / 4017	
75201	PA	M 3	8,0	34810 similar DIN 933	24017 / 4017	
75202	PA	M 3	10,0	34810 similar DIN 933	24017 / 4017	
75203	PA	M 3	12,0	34810 similar DIN 933	24017 / 4017	
75204	PA	M 3	16,0	34810 similar DIN 933	24017 / 4017	
75205	PA	M 3	20,0	34810 similar DIN 933	24017 / 4017	
75206	PA	M 3	25,0	34810 similar DIN 933	24017 / 4017	
75207	PA	M 3	30,0	34810 similar DIN 933	24017 / 4017	
75208	PA	M 4	6,0	34810 similar DIN 933	24017 / 4017	
75209	PA	M 4	8,0	34810 similar DIN 933	24017 / 4017	
75210	PA	M 4	10,0	34810 similar DIN 933	24017 / 4017	
75211	PA	M 4	12,0	34810 similar DIN 933	24017 / 4017	
75212	PA	M 4	16,0	34810 similar DIN 933	24017 / 4017	
75213	PA	M 4	20,0	34810 similar DIN 933	24017 / 4017	
75214	PA	M 4	25,0	34810 similar DIN 933	24017 / 4017	
75215	PA	M 4	30,0	34810 similar DIN 933	24017 / 4017	
75216	PA	M 4	35,0	34810 similar DIN 933	24017 / 4017	
75217	PA	M 4	40,0	34810 similar DIN 933	24017 / 4017	
75218	PA	M 5	6,0	34810 similar DIN 933	24017 / 4017	
75219	PA	M 5	8,0	34810 similar DIN 933	24017 / 4017	
75220	PA	M 5	10,0	34810 similar DIN 933	24017 / 4017	
75221	PA	M 5	12,0	34810 similar DIN 933	24017 / 4017	
75222	PA	M 5	16,0	34810 similar DIN 933	24017 / 4017	
75223	PA	M 5	20,0	34810 similar DIN 933	24017 / 4017	
75224	PA	M 5	25,0	34810 similar DIN 933	24017 / 4017	
75225	PA	M 5	30,0	34810 similar DIN 933	24017 / 4017	
75226	PA	M 5	35,0	34810 similar DIN 933	24017 / 4017	
75227	PA	M 5	40,0	34810 similar DIN 933	24017 / 4017	
75228	PA	M 5	45,0	34810 similar DIN 933	24017 / 4017	

HEXHEAD BOLTS

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HEXHEAD BOLTS

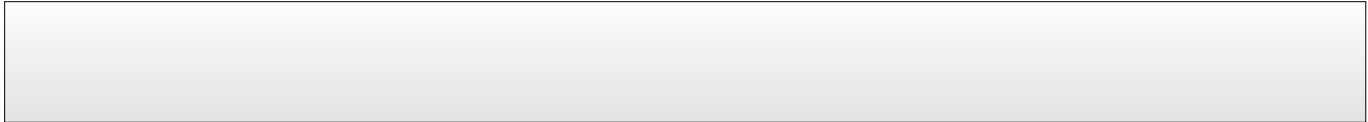
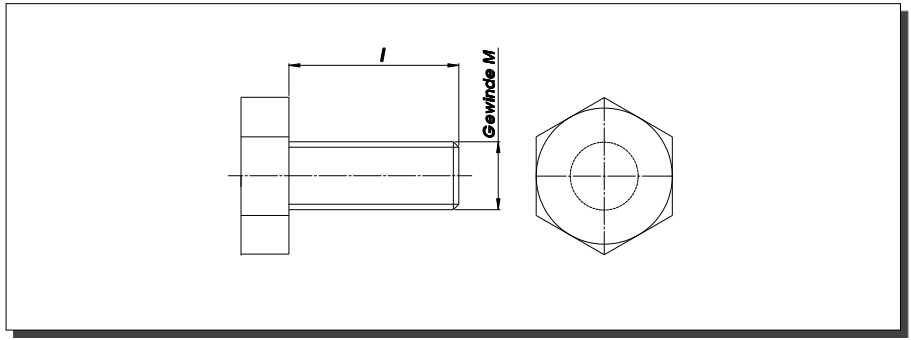
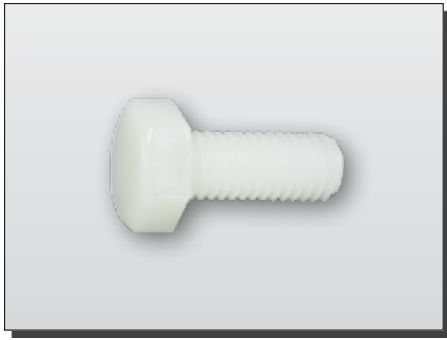


HEXHEAD BOLTS

ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75229	PA	M 5	50,0	34810 similar DIN 933	24017 / 4017	
75230	PA	M 6	5,0	34810 similar DIN 933	24017 / 4017	
75231	PA	M 6	6,0	34811 similar DIN 933	24018 / 4017	
75232	PA	M 6	8,0	34812 similar DIN 933	24019 / 4017	
75233	PA	M 6	10,0	34813 similar DIN 933	24020 / 4017	
75234	PA	M 6	12,0	34814 similar DIN 933	24021 / 4017	
75235	PA	M 6	16,0	34815 similar DIN 933	24022 / 4017	
75236	PA	M 6	20,0	34816 similar DIN 933	24023 / 4017	
75237	PA	M 6	25,0	34817 similar DIN 933	24024 / 4017	
75238	PA	M 6	30,0	34818 similar DIN 933	24025 / 4017	
75239	PA	M 6	35,0	34819 similar DIN 933	24026 / 4017	
75240	PA	M 6	40,0	34820 similar DIN 933	24027 / 4017	
75241	PA	M 6	45,0	34821 similar DIN 933	24028 / 4017	
75242	PA	M 6	50,0	34822 similar DIN 933	24029 / 4017	
75244	PA	M 6	60,0	34824 similar DIN 933	24031 / 4017	
75245	PA	M 6	70,0	34825 similar DIN 933	24032 / 4017	
75246	PA	M 8	10,0	34826 similar DIN 933	24033 / 4017	
75247	PA	M 8	16,0	34827 similar DIN 933	24034 / 4017	
75248	PA	M 8	20,0	34828 similar DIN 933	24035 / 4017	
75249	PA	M 8	25,0	34829 similar DIN 933	24036 / 4017	
75250	PA	M 8	30,0	34830 similar DIN 933	24037 / 4017	
75251	PA	M 8	35,0	34831 similar DIN 933	24038 / 4017	
75252	PA	M 8	40,0	34832 similar DIN 933	24039 / 4017	
75253	PA	M 8	50,0	34833 similar DIN 933	24040 / 4017	
75254	PA	M 8	60,0	34834 similar DIN 933	24041 / 4017	
75255	PA	M 8	80,0	34835 similar DIN 933	24042 / 4017	
75256	PA	M 10	20,0	34836 similar DIN 933	24043 / 4017	
75257	PA	M 10	25,0	34837 similar DIN 933	24044 / 4017	
75258	PA	M 10	30,0	34838 similar DIN 933	24045 / 4017	

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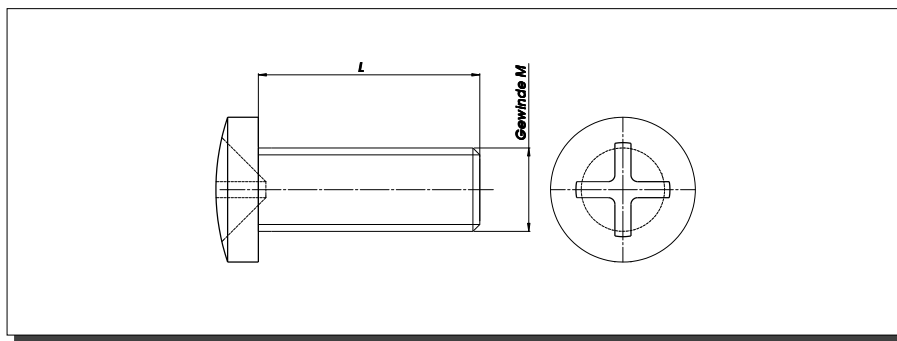
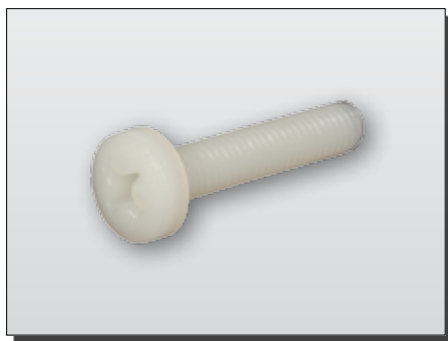
HEXHEAD BOLTS



ARTICLE	MATERIAL	THREAD	l	DIN	EN ISO	NOTE
75259	PA	M 10	40,0	34839 similar DIN 933	24046 / 4017	

HEXHEAD BOLTS

CROSS RECESSED FLAT HEAD BOLT

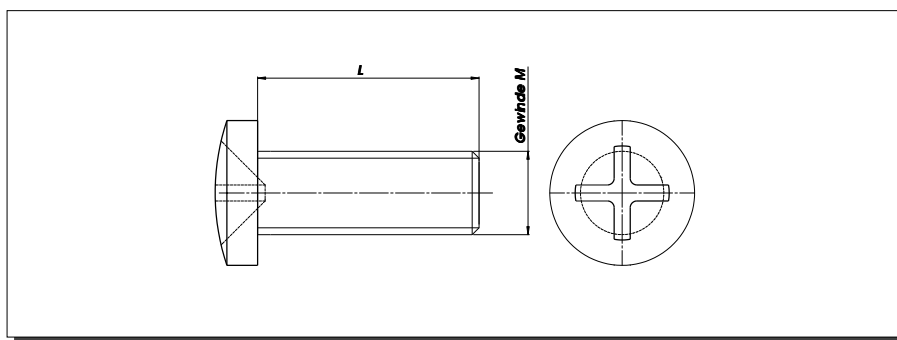


CROSS RECESSED FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
75600	PA	6,0	M 3	34812 similar DIN 7985	7045	
75601	PA	8,0	M 3	34812 similar DIN 7985	7045	
75602	PA	10,0	M 3	34812 similar DIN 7985	7045	
75603	PA	12,0	M 3	34812 similar DIN 7985	7045	
75604	PA	16,0	M 3	34812 similar DIN 7985	7045	
75605	PA	20,0	M 3	34812 similar DIN 7985	7045	
75606	PA	25,0	M 3	34812 similar DIN 7985	7045	
75607	PA	30,0	M 3	34812 similar DIN 7985	7045	
75608	PA	35,0	M 3	34812 similar DIN 7985	7045	
75609	PA	6,0	M 4	34812 similar DIN 7985	7045	
75610	PA	8,0	M 4	34812 similar DIN 7985	7045	
75611	PA	10,0	M 4	34812 similar DIN 7985	7045	
75612	PA	12,0	M 4	34812 similar DIN 7985	7045	
75613	PA	16,0	M 4	34812 similar DIN 7985	7045	
75614	PA	20,0	M 4	34812 similar DIN 7985	7045	
75615	PA	25,0	M 4	34812 similar DIN 7985	7045	
75616	PA	30,0	M 4	34812 similar DIN 7985	7045	
75617	PA	35,0	M 4	34812 similar DIN 7985	7045	
75618	PA	40,0	M 4	34812 similar DIN 7985	7045	
75619	PA	6,0	M 5	34812 similar DIN 7985	7045	
75620	PA	8,0	M 5	34812 similar DIN 7985	7045	
75621	PA	10,0	M 5	34812 similar DIN 7985	7045	
75622	PA	12,0	M 5	34812 similar DIN 7985	7045	
75623	PA	16,0	M 5	34812 similar DIN 7985	7045	
75624	PA	20,0	M 5	34812 similar DIN 7985	7045	
75625	PA	25,0	M 5	34812 similar DIN 7985	7045	
75626	PA	30,0	M 5	34812 similar DIN 7985	7045	
75627	PA	35,0	M 5	34812 similar DIN 7985	7045	
75628	PA	40,0	M 5	34812 similar DIN 7985	7045	

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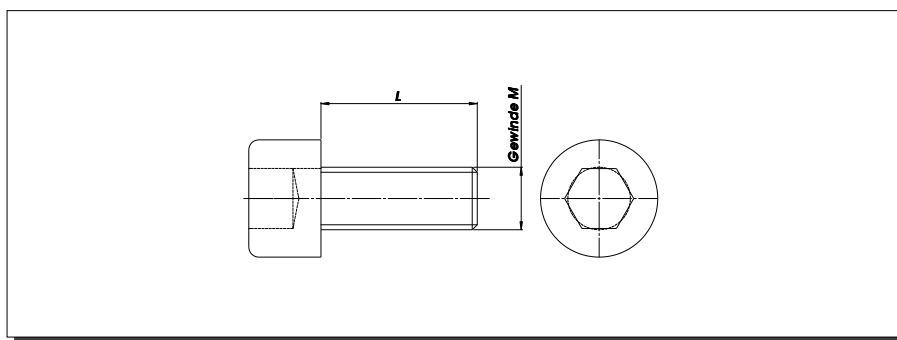
CROSS RECESSED FLAT HEAD BOLT



ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
75629	PA	45,0	M 5	34812 similar DIN 7985	7045	
75630	PA	50,0	M 5	34812 similar DIN 7985	7045	
75633	PA	5,0	M 6	34812 similar DIN 7985	7045	
75634	PA	8,0	M 6	34812 similar DIN 7985	7045	
75635	PA	10,0	M 6	34812 similar DIN 7985	7045	
75631	PA	12,0	M 6	34812 similar DIN 7985	7045	
75636	PA	16,0	M 6	34812 similar DIN 7985	7045	
75637	PA	20,0	M 6	34812 similar DIN 7985	7045	
75638	PA	25,0	M 6	34812 similar DIN 7985	7045	
75639	PA	30,0	M 6	34812 similar DIN 7985	7045	
75640	PA	35,0	M 6	34812 similar DIN 7985	7045	
75641	PA	40,0	M 6	34812 similar DIN 7985	7045	
75642	PA	45,0	M 6	34812 similar DIN 7985	7045	
75632	PA	50,0	M 6	34812 similar DIN 7985	7045	
75643	PA	60,0	M 6	34812 similar DIN 7985	7045	
75644	PA	70,0	M 6	34812 similar DIN 7985	7045	
75645	PA	10,0	M 8	34812 similar DIN 7985	7045	
75646	PA	16,0	M 8	34812 similar DIN 7985	7045	
75647	PA	20,0	M 8	34812 similar DIN 7985	7045	
75648	PA	25,0	M 8	34812 similar DIN 7985	7045	
75649	PA	30,0	M 8	34812 similar DIN 7985	7045	
75650	PA	35,0	M 8	34812 similar DIN 7985	7045	
75651	PA	40,0	M 8	34812 similar DIN 7985	7045	
75652	PA	50,0	M 8	34812 similar DIN 7985	7045	
75653	PA	60,0	M 8	34812 similar DIN 7985	7045	
75654	PA	80,0	M 8	34812 similar DIN 7985	7045	

CROSS RECESSED FLAT HEAD BOLT

HEXAGONAL RECESS CYLINDER BOLT

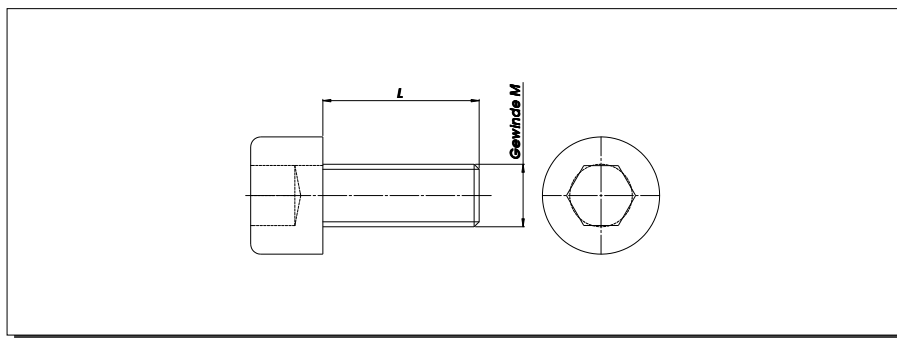


HEXAGONAL RECESS CYLINDER BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77100	PA	4,0	M 3	similar 912	
77101	PA	5,0	M 3	similar 912	
77102	PA	6,0	M 3	similar 912	
77103	PA	8,0	M 3	similar 912	
77104	PA	10,0	M 3	similar 912	
77105	PA	12,0	M 3	similar 912	
77106	PA	14,0	M 3	similar 912	
77107	PA	15,0	M 3	similar 912	
77108	PA	16,0	M 3	similar 912	
77109	PA	18,0	M 3	similar 912	
77110	PA	20,0	M 3	similar 912	
77111	PA	22,0	M 3	similar 912	
77112	PA	25,0	M 3	similar 912	
77113	PA	28,0	M 3	similar 912	
77114	PA	30,0	M 3	similar 912	
77115	PA	33,0	M 3	similar 912	
77116	PA	35,0	M 3	similar 912	
77117	PA	40,0	M 3	similar 912	
77118	PA	45,0	M 3	similar 912	
77119	PA	4,0	M 4	similar 912	
77120	PA	5,0	M 4	similar 912	
77121	PA	6,0	M 4	similar 912	
77122	PA	8,0	M 4	similar 912	
77123	PA	10,0	M 4	similar 912	
77124	PA	12,0	M 4	similar 912	
77125	PA	13,0	M 4	similar 912	
77126	PA	14,0	M 4	similar 912	
77127	PA	15,0	M 4	similar 912	
77128	PA	16,0	M 4	similar 912	

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HEXAGONAL RECESS CYLINDER BOLT

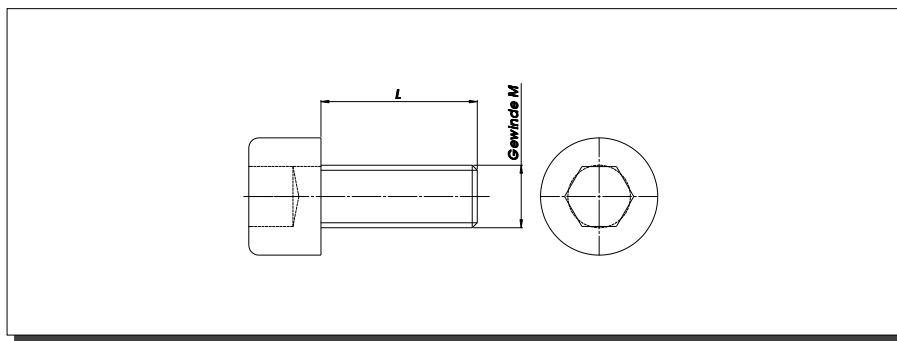


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77129	PA	18,0	M 4	similar 912	
77130	PA	20,0	M 4	similar 912	
77131	PA	23,0	M 4	similar 912	
77132	PA	25,0	M 4	similar 912	
77133	PA	28,0	M 4	similar 912	
77134	PA	30,0	M 4	similar 912	
77135	PA	35,0	M 4	similar 912	
77136	PA	40,0	M 4	similar 912	
77137	PA	45,0	M 4	similar 912	
77138	PA	50,0	M 4	similar 912	
77139	PA	55,0	M 4	similar 912	
77140	PA	60,0	M 4	similar 912	
77141	PA	70,0	M 4	similar 912	
77142	PA	4,0	M 5	similar 912	
77143	PA	6,0	M 5	similar 912	
77144	PA	7,0	M 5	similar 912	
77145	PA	8,0	M 5	similar 912	
77146	PA	9,0	M 5	similar 912	
77147	PA	10,0	M 5	similar 912	
77148	PA	12,0	M 5	similar 912	
77149	PA	13,0	M 5	similar 912	
77150	PA	14,0	M 5	similar 912	
77151	PA	15,0	M 5	similar 912	
77152	PA	16,0	M 5	similar 912	
77153	PA	17,0	M 5	similar 912	
77154	PA	18,0	M 5	similar 912	
77155	PA	20,0	M 5	similar 912	
77156	PA	25,0	M 5	similar 912	
77157	PA	30,0	M 5	similar 912	

HEXAGONAL RECESS CYLINDER BOLT

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HEXAGONAL RECESS CYLINDER BOLT

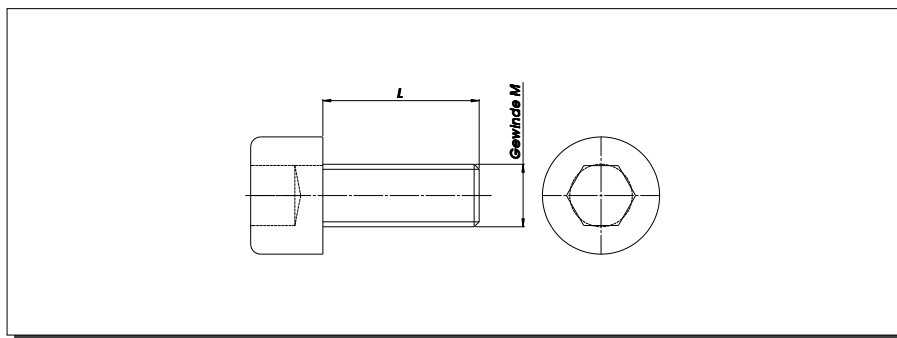


HEXAGONAL RECESS CYLINDER BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77158	PA	35,0	M 5	similar 912	
77159	PA	40,0	M 5	similar 912	
77160	PA	45,0	M 5	similar 912	
77161	PA	50,0	M 5	similar 912	
77162	PA	60,0	M 5	similar 912	
77163	PA	65,0	M 5	similar 912	
77164	PA	70,0	M 5	similar 912	
77165	PA	80,0	M 5	similar 912	
77166	PA	5,0	M 6	similar 912	
77167	PA	6,0	M 6	similar 912	
77168	PA	7,0	M 6	similar 912	
77169	PA	8,0	M 6	similar 912	
77170	PA	10,0	M 6	similar 912	
77171	PA	12,0	M 6	similar 912	
77172	PA	14,0	M 6	similar 912	
77173	PA	15,0	M 6	similar 912	
77174	PA	16,0	M 6	similar 912	
77175	PA	17,0	M 6	similar 912	
77176	PA	20,0	M 6	similar 912	
77177	PA	22,0	M 6	similar 912	
77178	PA	25,0	M 6	similar 912	
77179	PA	30,0	M 6	similar 912	
77180	PA	35,0	M 6	similar 912	
77181	PA	40,0	M 6	similar 912	
77182	PA	45,0	M 6	similar 912	
77183	PA	50,0	M 6	similar 912	
77184	PA	55,0	M 6	similar 912	
77185	PA	60,0	M 6	similar 912	
77186	PA	65,0	M 6	similar 912	

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HEXAGONAL RECESS CYLINDER BOLT

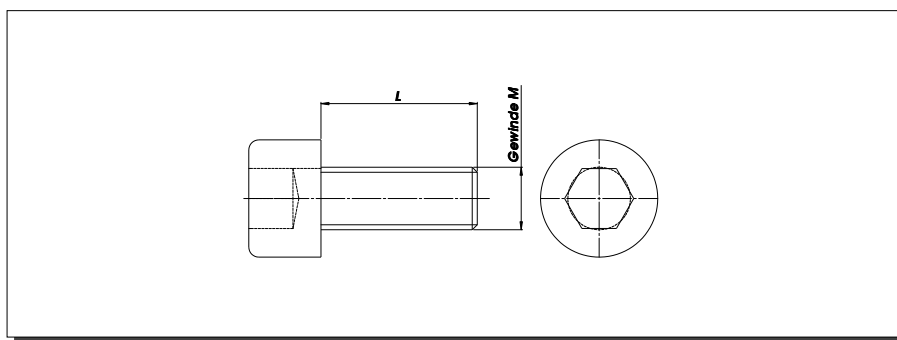


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77187	PA	70,0	M 6	similar 912	
77188	PA	75,0	M 6	similar 912	
77189	PA	80,0	M 6	similar 912	
77190	PA	85,0	M 6	similar 912	
77191	PA	90,0	M 6	similar 912	
77192	PA	95,0	M 6	similar 912	
77193	PA	100,0	M 6	similar 912	
77194	PA	110,0	M 6	similar 912	
77195	PA	120,0	M 6	similar 912	
77196	PA	130,0	M 6	similar 912	
77197	PA	5,0	M 8	similar 912	
77198	PA	6,0	M 8	similar 912	
77199	PA	7,0	M 8	similar 912	
77200	PA	8,0	M 8	similar 912	
77201	PA	9,0	M 8	similar 912	
77202	PA	10,0	M 8	similar 912	
77203	PA	11,0	M 8	similar 912	
77204	PA	12,0	M 8	similar 912	
77205	PA	13,0	M 8	similar 912	
77206	PA	15,0	M 8	similar 912	
77207	PA	16,0	M 8	similar 912	
77208	PA	17,0	M 8	similar 912	
77209	PA	18,0	M 8	similar 912	
77210	PA	20,0	M 8	similar 912	
77211	PA	23,0	M 8	similar 912	
77212	PA	25,0	M 8	similar 912	
77213	PA	26,0	M 8	similar 912	
77214	PA	30,0	M 8	similar 912	
77215	PA	35,0	M 8	similar 912	

HEXAGONAL RECESS CYLINDER BOLT

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HEXAGONAL RECESS CYLINDER BOLT

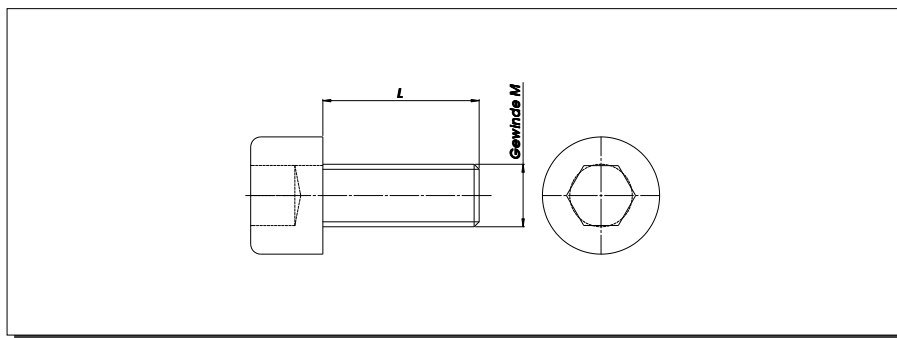


HEXAGONAL RECESS CYLINDER BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77216	PA	40,0	M 8	similar 912	
77217	PA	45,0	M 8	similar 912	
77218	PA	50,0	M 8	similar 912	
77219	PA	55,0	M 8	similar 912	
77220	PA	60,0	M 8	similar 912	
77221	PA	65,0	M 8	similar 912	
77222	PA	70,0	M 8	similar 912	
77223	PA	75,0	M 8	similar 912	
77224	PA	80,0	M 8	similar 912	
77225	PA	85,0	M 8	similar 912	
77226	PA	90,0	M 8	similar 912	
77227	PA	95,0	M 8	similar 912	
77228	PA	100,0	M 8	similar 912	
77229	PA	110,0	M 8	similar 912	
77230	PA	120,0	M 8	similar 912	
77231	PA	130,0	M 8	similar 912	
77232	PA	4,0	M 10	similar 912	
77233	PA	6,0	M 10	similar 912	
77234	PA	7,0	M 10	similar 912	
77235	PA	8,0	M 10	similar 912	
77236	PA	10,0	M 10	similar 912	
77237	PA	12,0	M 10	similar 912	
77238	PA	13,0	M 10	similar 912	
77239	PA	14,0	M 10	similar 912	
77240	PA	15,0	M 10	similar 912	
77241	PA	16,0	M 10	similar 912	
77242	PA	20,0	M 10	similar 912	
77243	PA	25,0	M 10	similar 912	
77244	PA	30,0	M 10	similar 912	

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HEXAGONAL RECESS CYLINDER BOLT

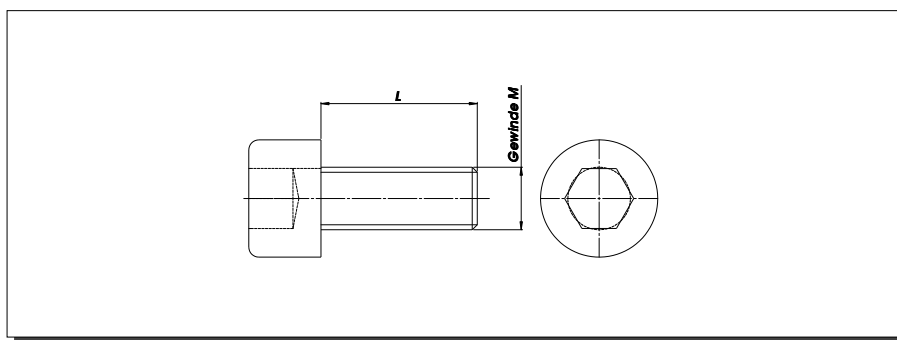


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77245	PA	35,0	M 10	similar 912	
77246	PA	40,0	M 10	similar 912	
77247	PA	45,0	M 10	similar 912	
77248	PA	50,0	M 10	similar 912	
77249	PA	55,0	M 10	similar 912	
77250	PA	60,0	M 10	similar 912	
77251	PA	65,0	M 10	similar 912	
77252	PA	70,0	M 10	similar 912	
77253	PA	75,0	M 10	similar 912	
77254	PA	80,0	M 10	similar 912	
77255	PA	85,0	M 10	similar 912	
77256	PA	90,0	M 10	similar 912	
77257	PA	95,0	M 10	similar 912	
77258	PA	100,0	M 10	similar 912	
77259	PA	110,0	M 10	similar 912	
77260	PA	120,0	M 10	similar 912	
77261	PA	130,0	M 10	similar 912	
77262	PA	9,0	M 12	similar 912	
77263	PA	10,0	M 12	similar 912	
77264	PA	11,0	M 12	similar 912	
77265	PA	12,0	M 12	similar 912	
77266	PA	15,0	M 12	similar 912	
77267	PA	16,0	M 12	similar 912	
77268	PA	20,0	M 12	similar 912	
77269	PA	25,0	M 12	similar 912	
77270	PA	30,0	M 12	similar 912	
77271	PA	35,0	M 12	similar 912	
77272	PA	40,0	M 12	similar 912	
77273	PA	45,0	M 12	similar 912	

HEXAGONAL RECESS CYLINDER BOLT

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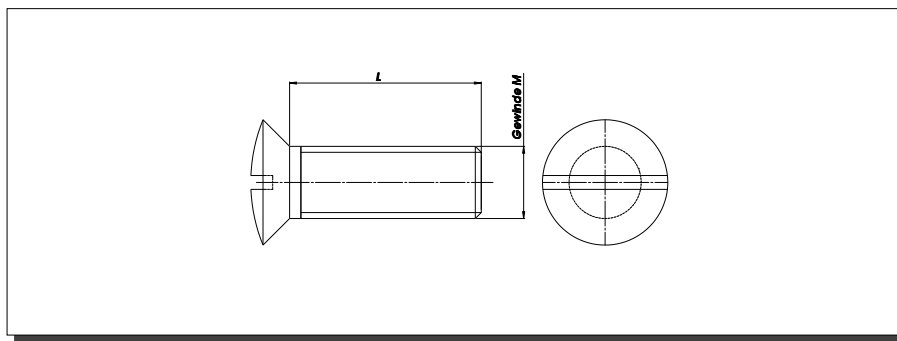
HEXAGONAL RECESS CYLINDER BOLT



HEXAGONAL RECESS CYLINDER BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77274	PA	50,0	M 12	similar 912	
77275	PA	60,0	M 12	similar 912	
77276	PA	70,0	M 12	similar 912	
77277	PA	75,0	M 12	similar 912	
77278	PA	80,0	M 12	similar 912	
77279	PA	85,0	M 12	similar 912	
77280	PA	90,0	M 12	similar 912	
77281	PA	95,0	M 12	similar 912	
77282	PA	100,0	M 12	similar 912	
77283	PA	110,0	M 12	similar 912	
77284	PA	120,0	M 12	similar 912	
77285	PA	130,0	M 12	similar 912	
77286	PA	20,0	M 16	similar 912	
77287	PA	25,0	M 16	similar 912	
77288	PA	30,0	M 16	similar 912	
77289	PA	35,0	M 16	similar 912	
77290	PA	40,0	M 16	similar 912	
77291	PA	45,0	M 16	similar 912	
77292	PA	50,0	M 16	similar 912	
77293	PA	60,0	M 16	similar 912	
77294	PA	70,0	M 16	similar 912	
77295	PA	75,0	M 16	similar 912	
77296	PA	80,0	M 16	similar 912	
77297	PA	85,0	M 16	similar 912	
77298	PA	90,0	M 16	similar 912	
77299	PA	95,0	M 16	similar 912	
77300	PA	100,0	M 16	similar 912	
77301	PA	110,0	M 16	similar 912	
77302	PA	120,0	M 16	similar 912	
77303	PA	130,0	M 16	similar 912	

RECESSED RAISED COUNTERSUNK BOLT

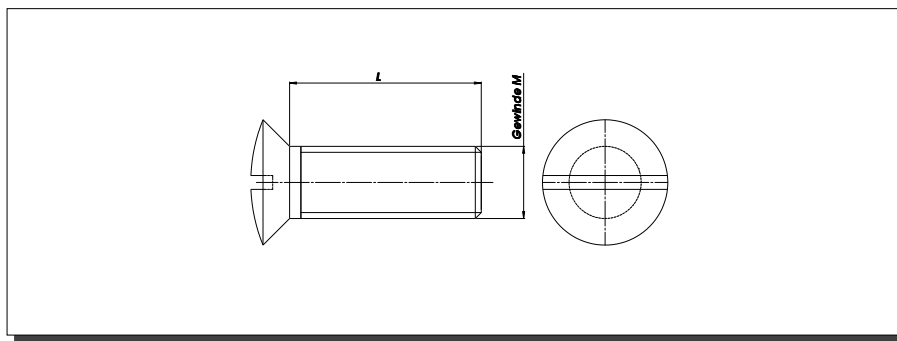


ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77304	PA	5,0	M 3	former. 964	similar 2010	
77305	PA	6,0	M 3	former. 964	similar 2010	
77306	PA	8,0	M 3	former. 964	similar 2010	
77307	PA	10,0	M 3	former. 964	similar 2010	
77308	PA	12,0	M 3	former. 964	similar 2010	
77309	PA	14,0	M 3	former. 964	similar 2010	
77310	PA	15,0	M 3	former. 964	similar 2010	
77311	PA	16,0	M 3	former. 964	similar 2010	
77312	PA	17,0	M 3	former. 964	similar 2010	
77313	PA	18,0	M 3	former. 964	similar 2010	
77314	PA	19,0	M 3	former. 964	similar 2010	
77315	PA	20,0	M 3	former. 964	similar 2010	
77316	PA	22,0	M 3	former. 964	similar 2010	
77317	PA	24,0	M 3	former. 964	similar 2010	
77318	PA	25,0	M 3	former. 964	similar 2010	
77319	PA	27,0	M 3	former. 964	similar 2010	
77320	PA	29,0	M 3	former. 964	similar 2010	
77321	PA	30,0	M 3	former. 964	similar 2010	
77322	PA	32,0	M 3	former. 964	similar 2010	
77323	PA	34,0	M 3	former. 964	similar 2010	
77324	PA	35,0	M 3	former. 964	similar 2010	
77325	PA	37,0	M 3	former. 964	similar 2010	
77326	PA	42,0	M 3	former. 964	similar 2010	
77327	PA	4,0	M 4	former. 964	similar 2010	
77328	PA	6,0	M 4	former. 964	similar 2010	
77329	PA	7,0	M 4	former. 964	similar 2010	
77330	PA	8,0	M 4	former. 964	similar 2010	
77331	PA	10,0	M 4	former. 964	similar 2010	
77332	PA	12,0	M 4	former. 964	similar 2010	

RECESSED RAISED COUNTERSUNK BOLT

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RECESSED RAISED COUNTERSUNK BOLT

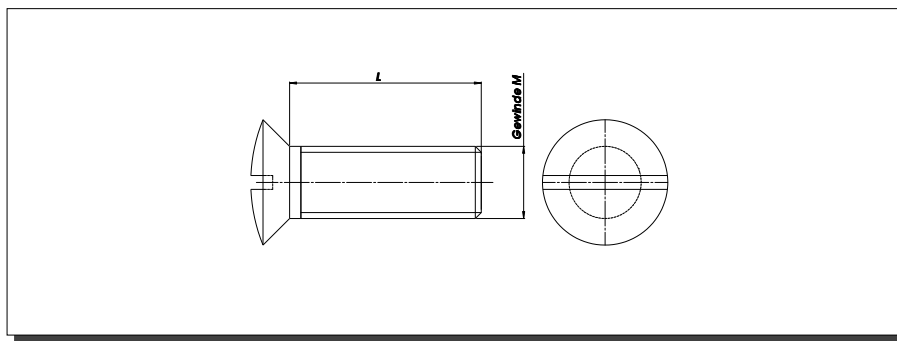
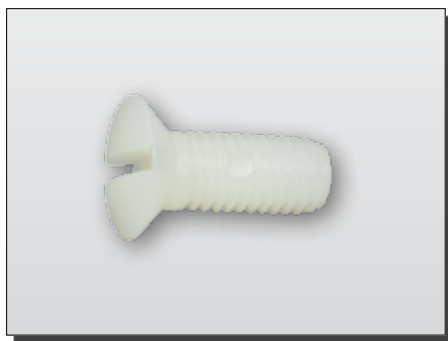


RECESSED RAISED COUNTERSUNK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77333	PA	14,0	M 4	former. 964	similar 2010	
77334	PA	15,0	M 4	former. 964	similar 2010	
77335	PA	16,0	M 4	former. 964	similar 2010	
77336	PA	17,0	M 4	former. 964	similar 2010	
77337	PA	18,0	M 4	former. 964	similar 2010	
77338	PA	20,0	M 4	former. 964	similar 2010	
77339	PA	22,0	M 4	former. 964	similar 2010	
77340	PA	25,0	M 4	former. 964	similar 2010	
77341	PA	27,0	M 4	former. 964	similar 2010	
77342	PA	30,0	M 4	former. 964	similar 2010	
77343	PA	32,0	M 4	former. 964	similar 2010	
77344	PA	35,0	M 4	former. 964	similar 2010	
77345	PA	40,0	M 4	former. 964	similar 2010	
77346	PA	42,0	M 4	former. 964	similar 2010	
77347	PA	72,0	M 4	former. 964	similar 2010	
77348	PA	6,0	M 5	former. 964	similar 2010	
77349	PA	7,0	M 5	former. 964	similar 2010	
77350	PA	8,0	M 5	former. 964	similar 2010	
77351	PA	9,0	M 5	former. 964	similar 2010	
77352	PA	10,0	M 5	former. 964	similar 2010	
77353	PA	11,0	M 5	former. 964	similar 2010	
77354	PA	12,0	M 5	former. 964	similar 2010	
77355	PA	13,0	M 5	former. 964	similar 2010	
77356	PA	14,0	M 5	former. 964	similar 2010	
77357	PA	15,0	M 5	former. 964	similar 2010	
77358	PA	16,0	M 5	former. 964	similar 2010	
77359	PA	17,0	M 5	former. 964	similar 2010	
77360	PA	18,0	M 5	former. 964	similar 2010	
77361	PA	19,0	M 5	former. 964	similar 2010	

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RECESSED RAISED COUNTERSUNK BOLT

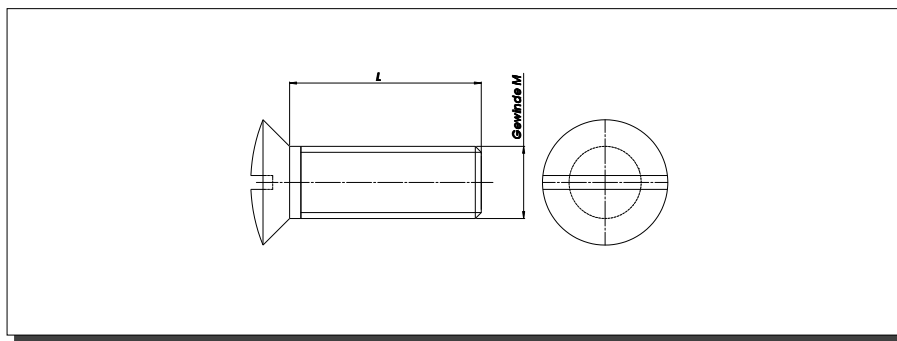


ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77362	PA	20,0	M 5	former. 964	similar 2010	
77363	PA	21,0	M 5	former. 964	similar 2010	
77364	PA	22,0	M 5	former. 964	similar 2010	
77365	PA	23,0	M 5	former. 964	similar 2010	
77366	PA	25,0	M 5	former. 964	similar 2010	
77367	PA	30,0	M 5	former. 964	similar 2010	
77368	PA	33,0	M 5	former. 964	similar 2010	
77369	PA	35,0	M 5	former. 964	similar 2010	
77370	PA	38,0	M 5	former. 964	similar 2010	
77371	PA	40,0	M 5	former. 964	similar 2010	
77372	PA	43,0	M 5	former. 964	similar 2010	
77373	PA	45,0	M 5	former. 964	similar 2010	
77374	PA	48,0	M 5	former. 964	similar 2010	
77375	PA	50,0	M 5	former. 964	similar 2010	
77376	PA	53,0	M 5	former. 964	similar 2010	
77377	PA	55,0	M 5	former. 964	similar 2010	
77378	PA	63,0	M 5	former. 964	similar 2010	
77379	PA	83,0	M 5	former. 964	similar 2010	
77380	PA	8,0	M 6	former. 964	similar 2010	
77381	PA	10,0	M 6	former. 964	similar 2010	
77382	PA	11,0	M 6	former. 964	similar 2010	
77383	PA	12,0	M 6	former. 964	similar 2010	
77384	PA	13,0	M 6	former. 964	similar 2010	
77385	PA	15,0	M 6	former. 964	similar 2010	
77386	PA	16,0	M 6	former. 964	similar 2010	
77387	PA	17,0	M 6	former. 964	similar 2010	
77388	PA	19,0	M 6	former. 964	similar 2010	
77389	PA	20,0	M 6	former. 964	similar 2010	
77390	PA	21,0	M 6	former. 964	similar 2010	

RECESSED RAISED COUNTERSUNK BOLT

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RECESSED RAISED COUNTERSUNK BOLT

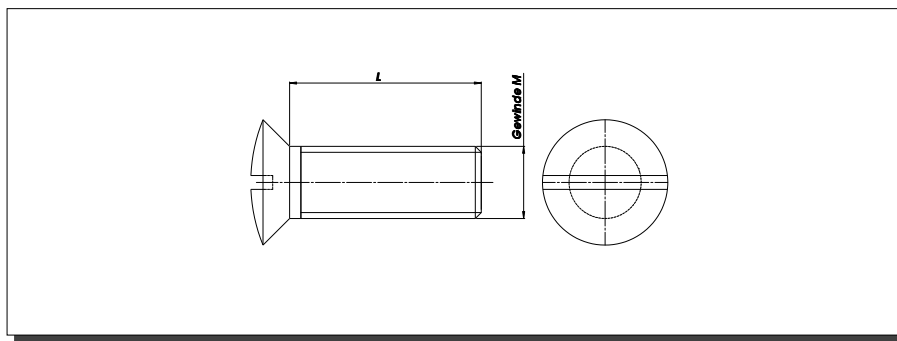
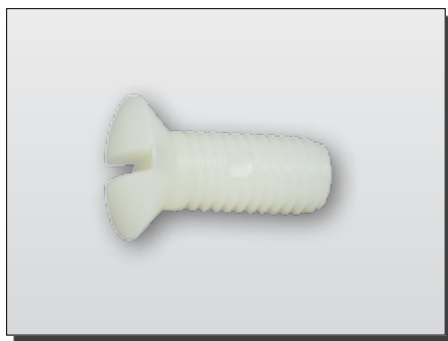


RECESSED RAISED COUNTERSUNK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77391	PA	22,0	M 6	former. 964	similar 2010	
77392	PA	24,0	M 6	former. 964	similar 2010	
77393	PA	25,0	M 6	former. 964	similar 2010	
77394	PA	30,0	M 6	former. 964	similar 2010	
77395	PA	35,0	M 6	former. 964	similar 2010	
77396	PA	40,0	M 6	former. 964	similar 2010	
77397	PA	45,0	M 6	former. 964	similar 2010	
77398	PA	50,0	M 6	former. 964	similar 2010	
77399	PA	55,0	M 6	former. 964	similar 2010	
77400	PA	60,0	M 6	former. 964	similar 2010	
77401	PA	65,0	M 6	former. 964	similar 2010	
77402	PA	75,0	M 6	former. 964	similar 2010	
77403	PA	80,0	M 6	former. 964	similar 2010	
77404	PA	85,0	M 6	former. 964	similar 2010	
77405	PA	10,0	M 8	former. 964	similar 2010	
77406	PA	12,0	M 8	former. 964	similar 2010	
77407	PA	13,0	M 8	former. 964	similar 2010	
77408	PA	14,0	M 8	former. 964	similar 2010	
77409	PA	15,0	M 8	former. 964	similar 2010	
77410	PA	16,0	M 8	former. 964	similar 2010	
77411	PA	17,0	M 8	former. 964	similar 2010	
77412	PA	18,0	M 8	former. 964	similar 2010	
77413	PA	20,0	M 8	former. 964	similar 2010	
77414	PA	21,0	M 8	former. 964	similar 2010	
77415	PA	22,0	M 8	former. 964	similar 2010	
77416	PA	25,0	M 8	former. 964	similar 2010	
77417	PA	28,0	M 8	former. 964	similar 2010	
77418	PA	30,0	M 8	former. 964	similar 2010	
77419	PA	35,0	M 8	former. 964	similar 2010	

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RECESSED RAISED COUNTERSUNK BOLT

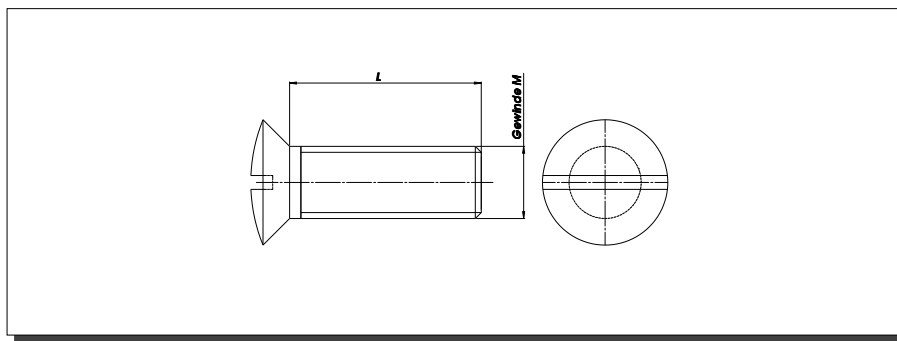


ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77420	PA	40,0	M 8	former. 964	similar 2010	
77421	PA	45,0	M 8	former. 964	similar 2010	
77422	PA	50,0	M 8	former. 964	similar 2010	
77423	PA	55,0	M 8	former. 964	similar 2010	
77424	PA	60,0	M 8	former. 964	similar 2010	
77425	PA	65,0	M 8	former. 964	similar 2010	
77426	PA	70,0	M 8	former. 964	similar 2010	
77427	PA	75,0	M 8	former. 964	similar 2010	
77428	PA	80,0	M 8	former. 964	similar 2010	
77429	PA	85,0	M 8	former. 964	similar 2010	
77430	PA	11,0	M 10	former. 964	similar 2010	
77431	PA	13,0	M 10	former. 964	similar 2010	
77432	PA	15,0	M 10	former. 964	similar 2010	
77433	PA	17,0	M 10	former. 964	similar 2010	
77434	PA	21,0	M 10	former. 964	similar 2010	
77435	PA	25,0	M 10	former. 964	similar 2010	
77436	PA	30,0	M 10	former. 964	similar 2010	
77437	PA	35,0	M 10	former. 964	similar 2010	
77438	PA	40,0	M 10	former. 964	similar 2010	
77439	PA	45,0	M 10	former. 964	similar 2010	
77440	PA	50,0	M 10	former. 964	similar 2010	
77441	PA	55,0	M 10	former. 964	similar 2010	
77442	PA	65,0	M 10	former. 964	similar 2010	
77443	PA	75,0	M 10	former. 964	similar 2010	
77444	PA	85,0	M 10	former. 964	similar 2010	
77445	PA	16,0	M 12	former. 964	similar 2010	
77446	PA	18,0	M 12	former. 964	similar 2010	
77447	PA	22,0	M 12	former. 964	similar 2010	
77448	PA	26,0	M 12	former. 964	similar 2010	

RECESSED RAISED COUNTERSUNK BOLT

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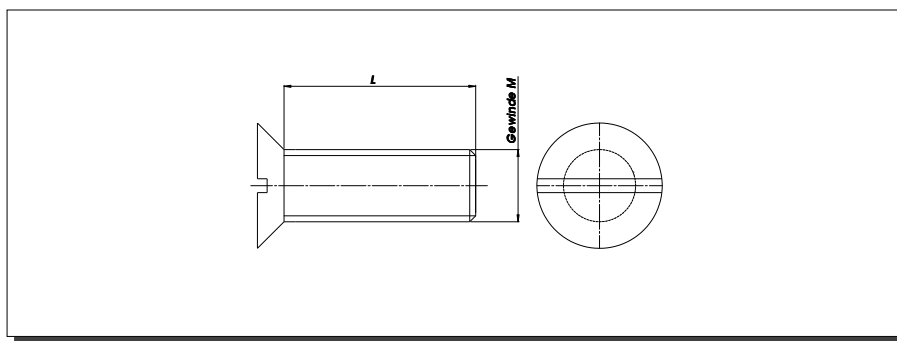
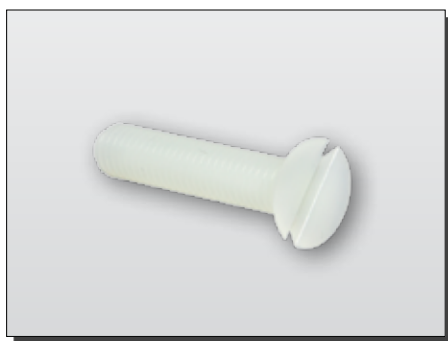
RECESSED RAISED COUNTERSUNK BOLT



RECESSED RAISED COUNTERSUNK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77449	PA	31,0	M 12	former. 964	similar 2010	
77450	PA	36,0	M 12	former. 964	similar 2010	
77451	PA	41,0	M 12	former. 964	similar 2010	
77452	PA	46,0	M 12	former. 964	similar 2010	
77453	PA	51,0	M 12	former. 964	similar 2010	
77454	PA	56,0	M 12	former. 964	similar 2010	
77455	PA	66,0	M 12	former. 964	similar 2010	
77456	PA	76,0	M 12	former. 964	similar 2010	
77457	PA	86,0	M 12	former. 964	similar 2010	

RECESSED RAISED FLAT HEAD BOLT

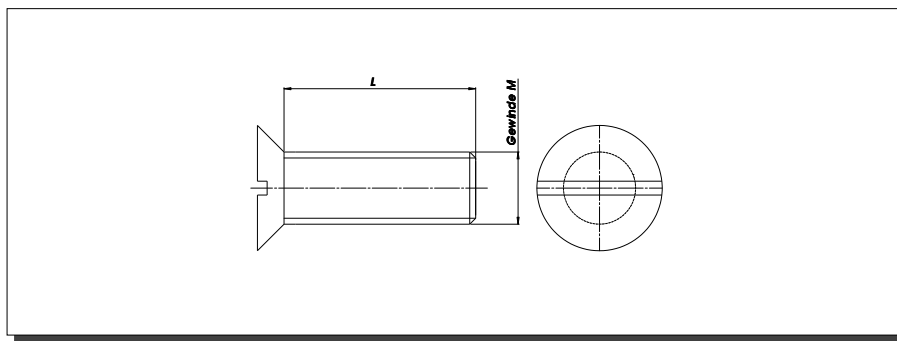


RECESSED RAISED FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77458	PA	4,0	M 3	former. 963	similar 2009	
77459	PA	5,0	M 3	former. 963	similar 2009	
77460	PA	6,0	M 3	former. 963	similar 2009	
77461	PA	8,0	M 3	former. 963	similar 2009	
77462	PA	10,0	M 3	former. 963	similar 2009	

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RECESSED RAISED FLAT HEAD BOLT

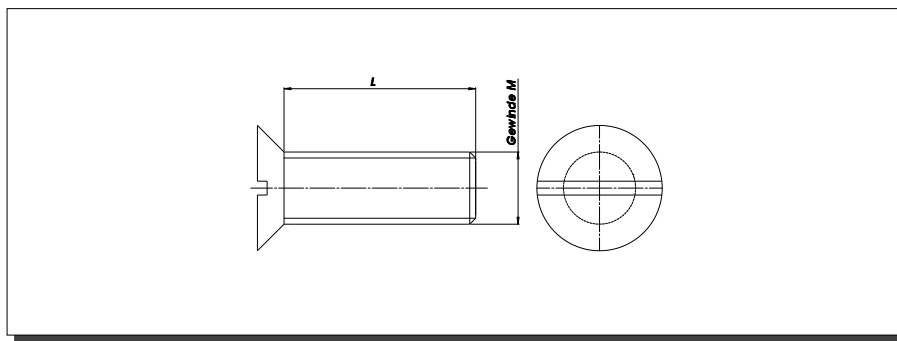
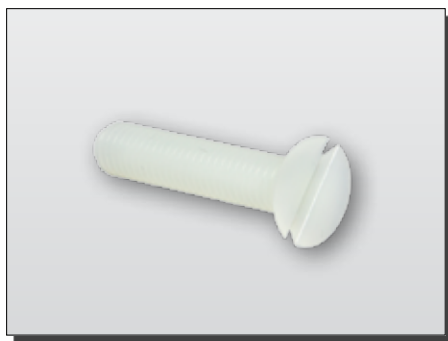


ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77463	PA	12,0	M 3	former. 963	similar 2009	
77464	PA	14,0	M 3	former. 963	similar 2009	
77465	PA	15,0	M 3	former. 963	similar 2009	
77466	PA	16,0	M 3	former. 963	similar 2009	
77467	PA	17,0	M 3	former. 963	similar 2009	
77468	PA	18,0	M 3	former. 963	similar 2009	
77469	PA	19,0	M 3	former. 963	similar 2009	
77470	PA	20,0	M 3	former. 963	similar 2009	
77471	PA	22,0	M 3	former. 963	similar 2009	
77472	PA	24,0	M 3	former. 963	similar 2009	
77473	PA	25,0	M 3	former. 963	similar 2009	
77474	PA	27,0	M 3	former. 963	similar 2009	
77475	PA	29,0	M 3	former. 963	similar 2009	
77476	PA	30,0	M 3	former. 963	similar 2009	
77477	PA	32,0	M 3	former. 963	similar 2009	
77478	PA	34,0	M 3	former. 963	similar 2009	
77479	PA	35,0	M 3	former. 963	similar 2009	
77480	PA	37,0	M 3	former. 963	similar 2009	
77481	PA	42,0	M 3	former. 963	similar 2009	
77482	PA	44,0	M 3	former. 963	similar 2009	
77483	PA	4,0	M 4	former. 963	similar 2009	
77484	PA	5,0	M 4	former. 963	similar 2009	
77485	PA	6,0	M 4	former. 963	similar 2009	
77486	PA	7,0	M 4	former. 963	similar 2009	
77487	PA	8,0	M 4	former. 963	similar 2009	
77488	PA	10,0	M 4	former. 963	similar 2009	
77489	PA	12,0	M 4	former. 963	similar 2009	
77490	PA	14,0	M 4	former. 963	similar 2009	
77491	PA	15,0	M 4	former. 963	similar 2009	

RECESSED RAISED FLAT HEAD BOLT

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RECESSED RAISED FLAT HEAD BOLT

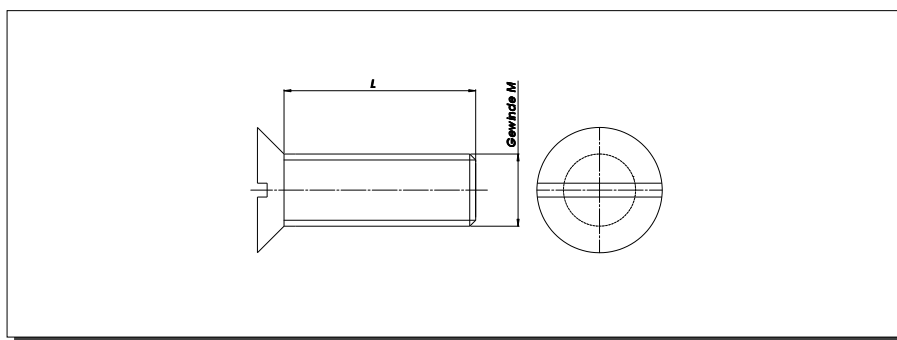


RECESSED RAISED FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77492	PA	16,0	M 4	former. 963	similar 2009	
77493	PA	17,0	M 4	former. 963	similar 2009	
77494	PA	18,0	M 4	former. 963	similar 2009	
77495	PA	20,0	M 4	former. 963	similar 2009	
77496	PA	22,0	M 4	former. 963	similar 2009	
77497	PA	25,0	M 4	former. 963	similar 2009	
77498	PA	27,0	M 4	former. 963	similar 2009	
77499	PA	30,0	M 4	former. 963	similar 2009	
77500	PA	32,0	M 4	former. 963	similar 2009	
77501	PA	35,0	M 4	former. 963	similar 2009	
77502	PA	40,0	M 4	former. 963	similar 2009	
77503	PA	42,0	M 4	former. 963	similar 2009	
77504	PA	72,0	M 4	former. 963	similar 2009	
77505	PA	6,0	M 5	former. 963	similar 2009	
77506	PA	7,0	M 5	former. 963	similar 2009	
77507	PA	8,0	M 5	former. 963	similar 2009	
77508	PA	9,0	M 5	former. 963	similar 2009	
77509	PA	10,0	M 5	former. 963	similar 2009	
77510	PA	11,0	M 5	former. 963	similar 2009	
77511	PA	12,0	M 5	former. 963	similar 2009	
77512	PA	13,0	M 5	former. 963	similar 2009	
77513	PA	14,0	M 5	former. 963	similar 2009	
77514	PA	15,0	M 5	former. 963	similar 2009	
77515	PA	16,0	M 5	former. 963	similar 2009	
77516	PA	17,0	M 5	former. 963	similar 2009	
77517	PA	18,0	M 5	former. 963	similar 2009	
77518	PA	19,0	M 5	former. 963	similar 2009	
77519	PA	20,0	M 5	former. 963	similar 2009	
77520	PA	21,0	M 5	former. 963	similar 2009	

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RECESSED RAISED FLAT HEAD BOLT

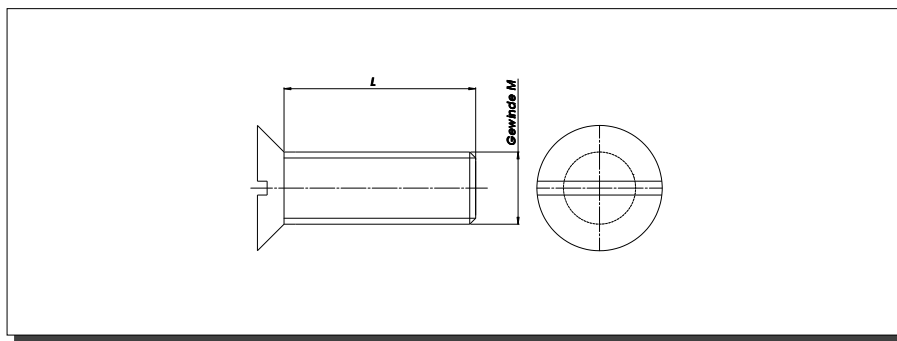


ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77521	PA	22,0	M 5	former. 963	similar 2009	
77522	PA	23,0	M 5	former. 963	similar 2009	
77523	PA	25,0	M 5	former. 963	similar 2009	
77524	PA	30,0	M 5	former. 963	similar 2009	
77525	PA	33,0	M 5	former. 963	similar 2009	
77526	PA	35,0	M 5	former. 963	similar 2009	
77527	PA	38,0	M 5	former. 963	similar 2009	
77528	PA	40,0	M 5	former. 963	similar 2009	
77529	PA	43,0	M 5	former. 963	similar 2009	
77530	PA	45,0	M 5	former. 963	similar 2009	
77531	PA	48,0	M 5	former. 963	similar 2009	
77532	PA	50,0	M 5	former. 963	similar 2009	
77533	PA	53,0	M 5	former. 963	similar 2009	
77534	PA	55,0	M 5	former. 963	similar 2009	
77535	PA	63,0	M 5	former. 963	similar 2009	
77536	PA	65,0	M 5	former. 963	similar 2009	
77537	PA	75,0	M 5	former. 963	similar 2009	
77538	PA	83,0	M 5	former. 963	similar 2009	
77539	PA	8,0	M 6	former. 963	similar 2009	
77540	PA	10,0	M 6	former. 963	similar 2009	
77541	PA	11,0	M 6	former. 963	similar 2009	
77542	PA	12,0	M 6	former. 963	similar 2009	
77543	PA	13,0	M 6	former. 963	similar 2009	
77544	PA	15,0	M 6	former. 963	similar 2009	
77545	PA	16,0	M 6	former. 963	similar 2009	
77546	PA	17,0	M 6	former. 963	similar 2009	
77547	PA	19,0	M 6	former. 963	similar 2009	
77548	PA	20,0	M 6	former. 963	similar 2009	
77549	PA	21,0	M 6	former. 963	similar 2009	

RECESSED RAISED FLAT HEAD BOLT

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RECESSED RAISED FLAT HEAD BOLT

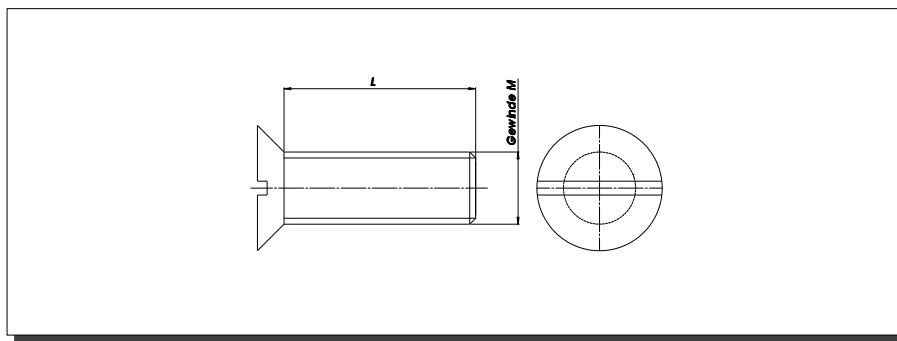
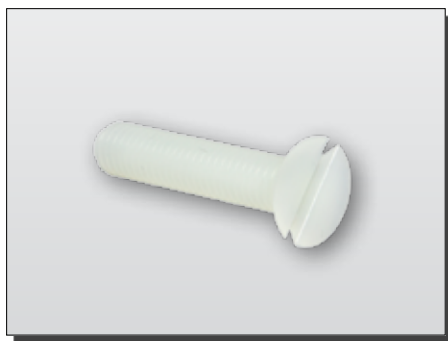


RECESSED RAISED FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77550	PA	22,0	M 6	former. 963	similar 2009	
77551	PA	24,0	M 6	former. 963	similar 2009	
77552	PA	25,0	M 6	former. 963	similar 2009	
77553	PA	30,0	M 6	former. 963	similar 2009	
77554	PA	35,0	M 6	former. 963	similar 2009	
77555	PA	40,0	M 6	former. 963	similar 2009	
77556	PA	45,0	M 6	former. 963	similar 2009	
77557	PA	50,0	M 6	former. 963	similar 2009	
77558	PA	55,0	M 6	former. 963	similar 2009	
77559	PA	60,0	M 6	former. 963	similar 2009	
77560	PA	65,0	M 6	former. 963	similar 2009	
77561	PA	75,0	M 6	former. 963	similar 2009	
77562	PA	80,0	M 6	former. 963	similar 2009	
77563	PA	85,0	M 6	former. 963	similar 2009	
77564	PA	10,0	M 8	former. 963	similar 2009	
77565	PA	12,0	M 8	former. 963	similar 2009	
77566	PA	13,0	M 8	former. 963	similar 2009	
77567	PA	14,0	M 8	former. 963	similar 2009	
77568	PA	15,0	M 8	former. 963	similar 2009	
77569	PA	16,0	M 8	former. 963	similar 2009	
77570	PA	17,0	M 8	former. 963	similar 2009	
77571	PA	18,0	M 8	former. 963	similar 2009	
77572	PA	20,0	M 8	former. 963	similar 2009	
77573	PA	21,0	M 8	former. 963	similar 2009	
77574	PA	22,0	M 8	former. 963	similar 2009	
77575	PA	25,0	M 8	former. 963	similar 2009	
77576	PA	28,0	M 8	former. 963	similar 2009	
77577	PA	30,0	M 8	former. 963	similar 2009	
77578	PA	35,0	M 8	former. 963	similar 2009	

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RECESSED RAISED FLAT HEAD BOLT

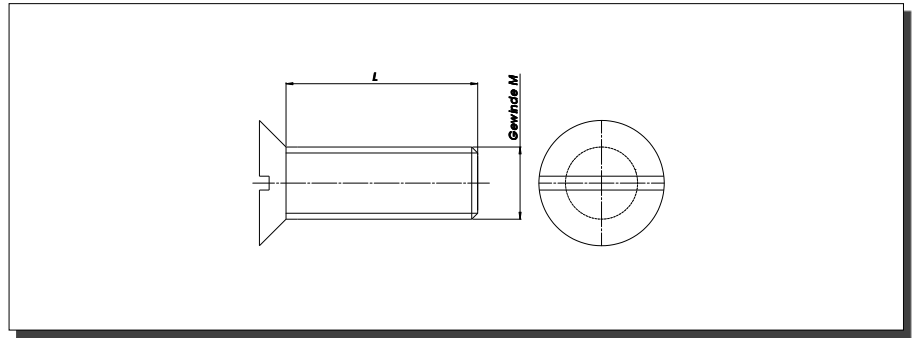
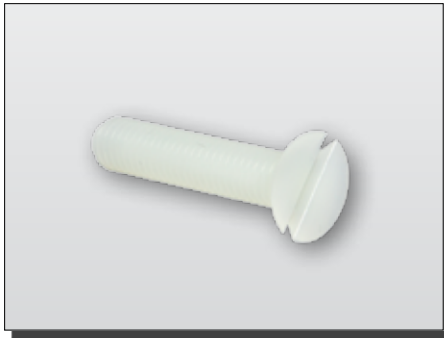


ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77579	PA	40,0	M 8	former. 963	similar 2009	
77580	PA	45,0	M 8	former. 963	similar 2009	
77581	PA	50,0	M 8	former. 963	similar 2009	
77582	PA	55,0	M 8	former. 963	similar 2009	
77583	PA	60,0	M 8	former. 963	similar 2009	
77584	PA	65,0	M 8	former. 963	similar 2009	
77585	PA	70,0	M 8	former. 963	similar 2009	
77586	PA	75,0	M 8	former. 963	similar 2009	
77587	PA	80,0	M 8	former. 963	similar 2009	
77588	PA	85,0	M 8	former. 963	similar 2009	
77589	PA	10,0	M 10	former. 963	similar 2009	
77590	PA	11,0	M 10	former. 963	similar 2009	
77591	PA	12,0	M 10	former. 963	similar 2009	
77592	PA	13,0	M 10	former. 963	similar 2009	
77593	PA	15,0	M 10	former. 963	similar 2009	
77594	PA	16,0	M 10	former. 963	similar 2009	
77595	PA	18,0	M 10	former. 963	similar 2009	
77596	PA	20,0	M 10	former. 963	similar 2009	
77597	PA	25,0	M 10	former. 963	similar 2009	
77598	PA	30,0	M 10	former. 963	similar 2009	
77599	PA	35,0	M 10	former. 963	similar 2009	
77600	PA	40,0	M 10	former. 963	similar 2009	
77601	PA	45,0	M 10	former. 963	similar 2009	
77602	PA	50,0	M 10	former. 963	similar 2009	
77603	PA	55,0	M 10	former. 963	similar 2009	
77604	PA	60,0	M 10	former. 963	similar 2009	
77605	PA	65,0	M 10	former. 963	similar 2009	
77606	PA	70,0	M 10	former. 963	similar 2009	
77607	PA	75,0	M 10	former. 963	similar 2009	

RECESSED RAISED FLAT HEAD BOLT

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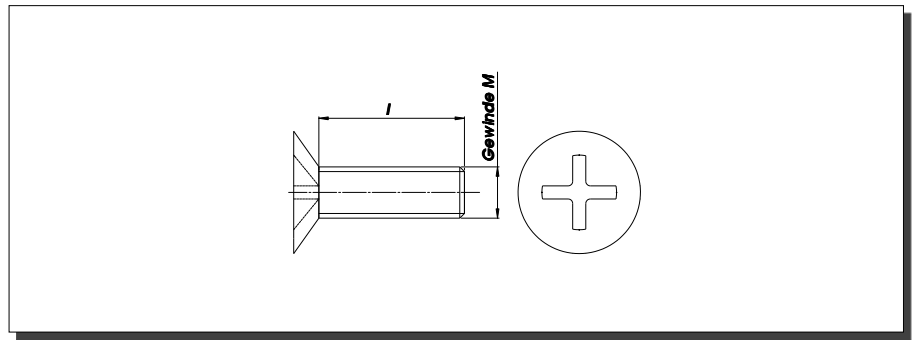
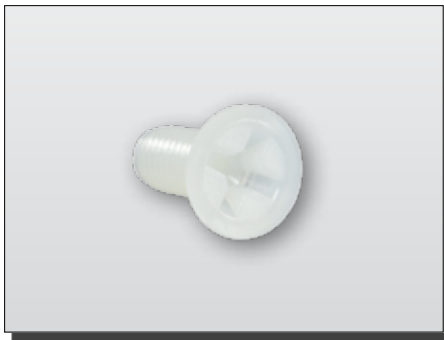
RECESSED RAISED FLAT HEAD BOLT



RECESSED RAISED FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	EN ISO	NOTE
77608	PA	80,0	M 10	former. 963	similar 2009	
77609	PA	85,0	M 10	former. 963	similar 2009	
77610	PA	16,0	M 12	former. 963	similar 2009	
77611	PA	18,0	M 12	former. 963	similar 2009	
77612	PA	22,0	M 12	former. 963	similar 2009	
77613	PA	26,0	M 12	former. 963	similar 2009	
77614	PA	31,0	M 12	former. 963	similar 2009	
77615	PA	36,0	M 12	former. 963	similar 2009	
77616	PA	41,0	M 12	former. 963	similar 2009	
77617	PA	46,0	M 12	former. 963	similar 2009	
77618	PA	51,0	M 12	former. 963	similar 2009	
77619	PA	56,0	M 12	former. 963	similar 2009	
77620	PA	66,0	M 12	former. 963	similar 2009	
77621	PA	76,0	M 12	former. 963	similar 2009	
77622	PA	86,0	M 12	former. 963	similar 2009	

CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

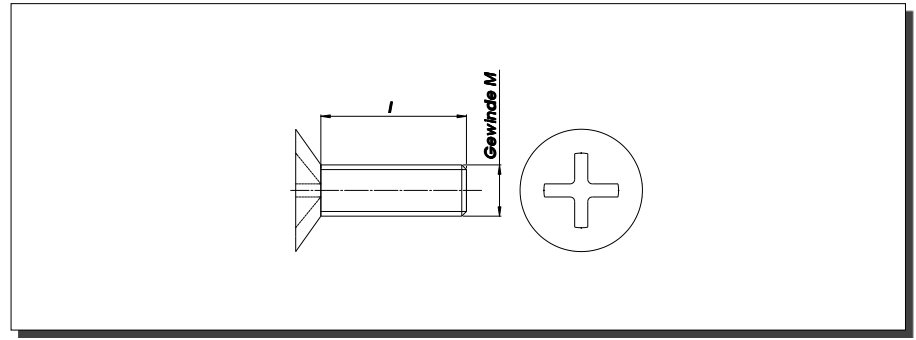


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77623	PA	5,0	M 3	similar 34811 (former. DIN 965)	
77624	PA	6,0	M 3	similar 34811 (former. DIN 965)	
77625	PA	8,0	M 3	similar 34811 (former. DIN 965)	
77626	PA	10,0	M 3	similar 34811 (former. DIN 965)	
77627	PA	12,0	M 3	similar 34811 (former. DIN 965)	
77628	PA	14,0	M 3	similar 34811 (former. DIN 965)	
77629	PA	16,0	M 3	similar 34811 (former. DIN 965)	
77630	PA	17,0	M 3	similar 34811 (former. DIN 965)	
77631	PA	18,0	M 3	similar 34811 (former. DIN 965)	
77632	PA	19,0	M 3	similar 34811 (former. DIN 965)	
77633	PA	20,0	M 3	similar 34811 (former. DIN 965)	
77634	PA	22,0	M 3	similar 34811 (former. DIN 965)	
77635	PA	24,0	M 3	similar 34811 (former. DIN 965)	
77636	PA	25,0	M 3	similar 34811 (former. DIN 965)	
77637	PA	27,0	M 3	similar 34811 (former. DIN 965)	
77638	PA	29,0	M 3	similar 34811 (former. DIN 965)	
77639	PA	30,0	M 3	similar 34811 (former. DIN 965)	
77640	PA	32,0	M 3	similar 34811 (former. DIN 965)	
77641	PA	34,0	M 3	similar 34811 (former. DIN 965)	
77642	PA	35,0	M 3	similar 34811 (former. DIN 965)	
77643	PA	37,0	M 3	similar 34811 (former. DIN 965)	
77644	PA	42,0	M 3	similar 34811 (former. DIN 965)	
77645	PA	44,0	M 3	similar 34811 (former. DIN 965)	
77646	PA	4,0	M 4	similar 34811 (former. DIN 965)	
77647	PA	6,0	M 4	similar 34811 (former. DIN 965)	
77648	PA	7,0	M 4	similar 34811 (former. DIN 965)	
77649	PA	8,0	M 4	similar 34811 (former. DIN 965)	
77650	PA	10,0	M 4	similar 34811 (former. DIN 965)	
77651	PA	12,0	M 4	similar 34811 (former. DIN 965)	

CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

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CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

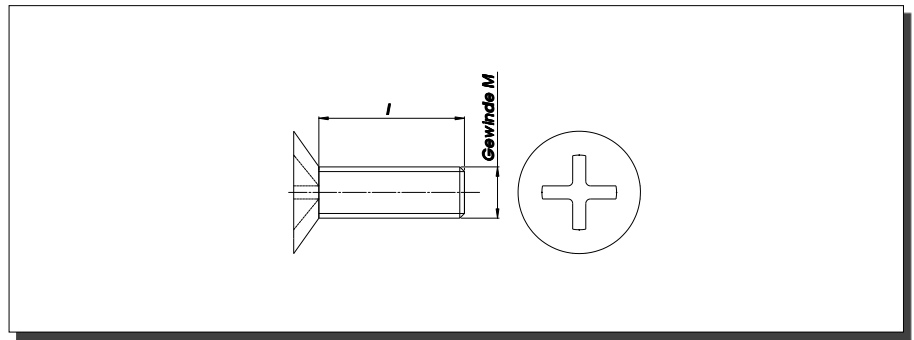
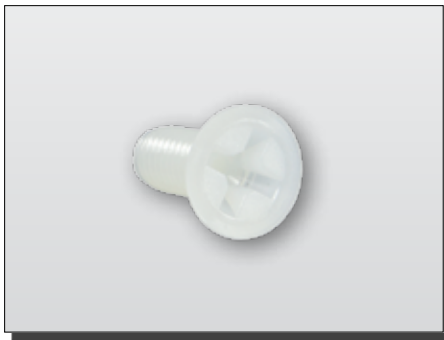


CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77652	PA	14,0	M 4	similar 34811 (former. DIN 965)	
77653	PA	15,0	M 4	similar 34811 (former. DIN 965)	
77654	PA	16,0	M 4	similar 34811 (former. DIN 965)	
77655	PA	17,0	M 4	similar 34811 (former. DIN 965)	
77656	PA	18,0	M 4	similar 34811 (former. DIN 965)	
77657	PA	20,0	M 4	similar 34811 (former. DIN 965)	
77658	PA	22,0	M 4	similar 34811 (former. DIN 965)	
77659	PA	25,0	M 4	similar 34811 (former. DIN 965)	
77660	PA	27,0	M 4	similar 34811 (former. DIN 965)	
77661	PA	30,0	M 4	similar 34811 (former. DIN 965)	
77662	PA	32,0	M 4	similar 34811 (former. DIN 965)	
77663	PA	35,0	M 4	similar 34811 (former. DIN 965)	
77664	PA	40,0	M 4	similar 34811 (former. DIN 965)	
77665	PA	42,0	M 4	similar 34811 (former. DIN 965)	
77666	PA	72,0	M 4	similar 34811 (former. DIN 965)	
77667	PA	6,0	M 5	similar 34811 (former. DIN 965)	
77668	PA	7,0	M 5	similar 34811 (former. DIN 965)	
77669	PA	8,0	M 5	similar 34811 (former. DIN 965)	
77670	PA	9,0	M 5	similar 34811 (former. DIN 965)	
77671	PA	10,0	M 5	similar 34811 (former. DIN 965)	
77672	PA	11,0	M 5	similar 34811 (former. DIN 965)	
77673	PA	12,0	M 5	similar 34811 (former. DIN 965)	
77674	PA	13,0	M 5	similar 34811 (former. DIN 965)	
77675	PA	14,0	M 5	similar 34811 (former. DIN 965)	
77676	PA	15,0	M 5	similar 34811 (former. DIN 965)	
77677	PA	16,0	M 5	similar 34811 (former. DIN 965)	
77678	PA	17,0	M 5	similar 34811 (former. DIN 965)	
77679	PA	18,0	M 5	similar 34811 (former. DIN 965)	
77680	PA	19,0	M 5	similar 34811 (former. DIN 965)	

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CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

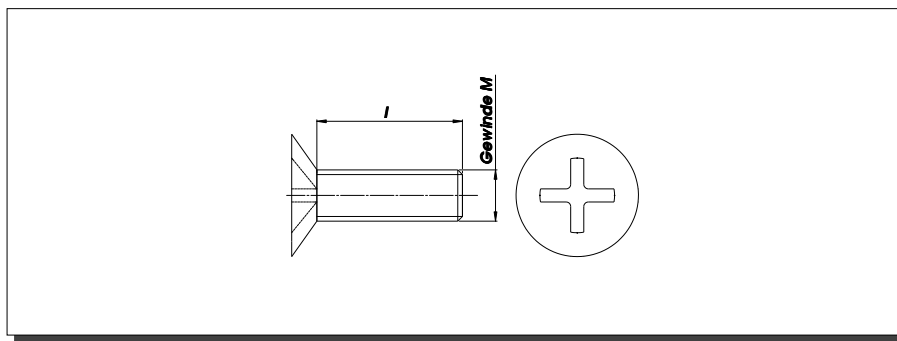
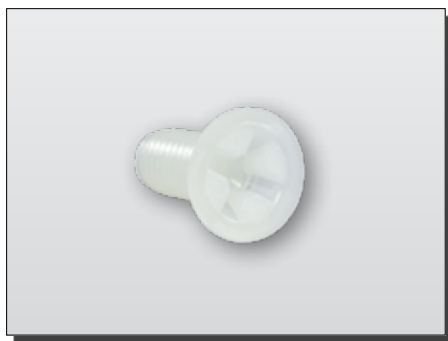


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77681	PA	20,0	M 5	similar 34811 (former. DIN 965)	
77682	PA	21,0	M 5	similar 34811 (former. DIN 965)	
77683	PA	22,0	M 5	similar 34811 (former. DIN 965)	
77684	PA	23,0	M 5	similar 34811 (former. DIN 965)	
77685	PA	25,0	M 5	similar 34811 (former. DIN 965)	
77686	PA	30,0	M 5	similar 34811 (former. DIN 965)	
77687	PA	33,0	M 5	similar 34811 (former. DIN 965)	
77688	PA	35,0	M 5	similar 34811 (former. DIN 965)	
77689	PA	38,0	M 5	similar 34811 (former. DIN 965)	
77690	PA	40,0	M 5	similar 34811 (former. DIN 965)	
77691	PA	43,0	M 5	similar 34811 (former. DIN 965)	
77692	PA	45,0	M 5	similar 34811 (former. DIN 965)	
77693	PA	48,0	M 5	similar 34811 (former. DIN 965)	
77694	PA	50,0	M 5	similar 34811 (former. DIN 965)	
77695	PA	53,0	M 5	similar 34811 (former. DIN 965)	
77696	PA	55,0	M 5	similar 34811 (former. DIN 965)	
77697	PA	63,0	M 5	similar 34811 (former. DIN 965)	
77698	PA	83,0	M 5	similar 34811 (former. DIN 965)	
77699	PA	8,0	M 6	similar 34811 (former. DIN 965)	
77700	PA	10,0	M 6	similar 34811 (former. DIN 965)	
77701	PA	11,0	M 6	similar 34811 (former. DIN 965)	
77702	PA	12,0	M 6	similar 34811 (former. DIN 965)	
77703	PA	13,0	M 6	similar 34811 (former. DIN 965)	
77704	PA	15,0	M 6	similar 34811 (former. DIN 965)	
77705	PA	16,0	M 6	similar 34811 (former. DIN 965)	
77706	PA	17,0	M 6	similar 34811 (former. DIN 965)	
77707	PA	19,0	M 6	similar 34811 (former. DIN 965)	
77708	PA	20,0	M 6	similar 34811 (former. DIN 965)	
77709	PA	21,0	M 6	similar 34811 (former. DIN 965)	

CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

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CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

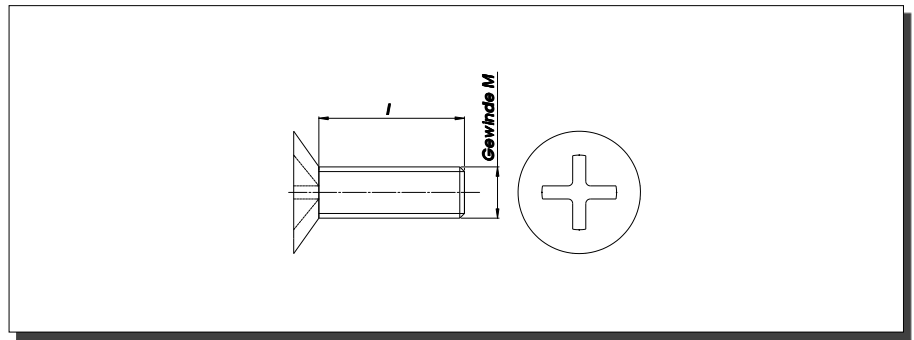
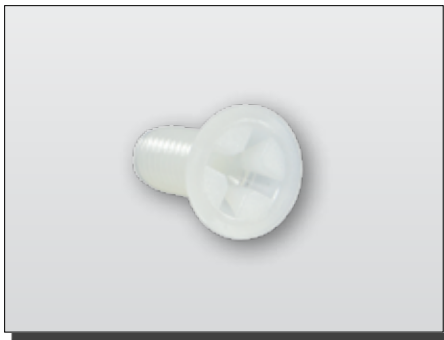


CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77710	PA	22,0	M 6	similar 34811 (former. DIN 965)	
77711	PA	24,0	M 6	similar 34811 (former. DIN 965)	
77712	PA	25,0	M 6	similar 34811 (former. DIN 965)	
77713	PA	30,0	M 6	similar 34811 (former. DIN 965)	
77714	PA	35,0	M 6	similar 34811 (former. DIN 965)	
77715	PA	40,0	M 6	similar 34811 (former. DIN 965)	
77716	PA	45,0	M 6	similar 34811 (former. DIN 965)	
77717	PA	50,0	M 6	similar 34811 (former. DIN 965)	
77718	PA	55,0	M 6	similar 34811 (former. DIN 965)	
77719	PA	60,0	M 6	similar 34811 (former. DIN 965)	
77720	PA	65,0	M 6	similar 34811 (former. DIN 965)	
77721	PA	75,0	M 6	similar 34811 (former. DIN 965)	
77722	PA	80,0	M 6	similar 34811 (former. DIN 965)	
77723	PA	85,0	M 6	similar 34811 (former. DIN 965)	
77724	PA	10,0	M 8	similar 34811 (former. DIN 965)	
77725	PA	12,0	M 8	similar 34811 (former. DIN 965)	
77726	PA	13,0	M 8	similar 34811 (former. DIN 965)	
77727	PA	14,0	M 8	similar 34811 (former. DIN 965)	
77728	PA	15,0	M 8	similar 34811 (former. DIN 965)	
77729	PA	16,0	M 8	similar 34811 (former. DIN 965)	
77730	PA	17,0	M 8	similar 34811 (former. DIN 965)	
77731	PA	18,0	M 8	similar 34811 (former. DIN 965)	
77732	PA	20,0	M 8	similar 34811 (former. DIN 965)	
77733	PA	21,0	M 8	similar 34811 (former. DIN 965)	
77734	PA	22,0	M 8	similar 34811 (former. DIN 965)	
77735	PA	25,0	M 8	similar 34811 (former. DIN 965)	
77736	PA	28,0	M 8	similar 34811 (former. DIN 965)	
77737	PA	30,0	M 8	similar 34811 (former. DIN 965)	
77738	PA	35,0	M 8	similar 34811 (former. DIN 965)	

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CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT



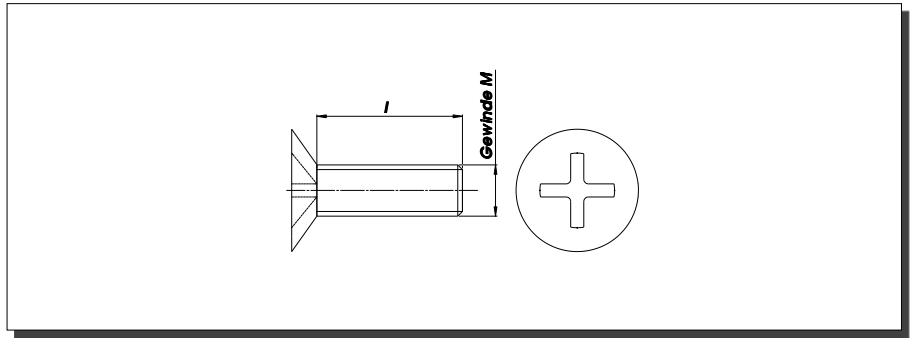
ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77739	PA	40,0	M 8	similar 34811 (former. DIN 965)	
77740	PA	45,0	M 8	similar 34811 (former. DIN 965)	
77741	PA	50,0	M 8	similar 34811 (former. DIN 965)	
77742	PA	55,0	M 8	similar 34811 (former. DIN 965)	
77743	PA	60,0	M 8	similar 34811 (former. DIN 965)	
77744	PA	65,0	M 8	similar 34811 (former. DIN 965)	
77745	PA	70,0	M 8	similar 34811 (former. DIN 965)	
77746	PA	75,0	M 8	similar 34811 (former. DIN 965)	
77747	PA	80,0	M 8	similar 34811 (former. DIN 965)	
77748	PA	85,0	M 8	similar 34811 (former. DIN 965)	
77749	PA	11,0	M 10	similar 34811 (former. DIN 965)	
77750	PA	13,0	M 10	similar 34811 (former. DIN 965)	
77751	PA	15,0	M 10	similar 34811 (former. DIN 965)	
77752	PA	17,0	M 10	similar 34811 (former. DIN 965)	
77753	PA	21,0	M 10	similar 34811 (former. DIN 965)	
77754	PA	25,0	M 10	similar 34811 (former. DIN 965)	
77755	PA	30,0	M 10	similar 34811 (former. DIN 965)	
77756	PA	35,0	M 10	similar 34811 (former. DIN 965)	
77757	PA	40,0	M 10	similar 34811 (former. DIN 965)	
77758	PA	45,0	M 10	similar 34811 (former. DIN 965)	
77759	PA	50,0	M 10	similar 34811 (former. DIN 965)	
77760	PA	55,0	M 10	similar 34811 (former. DIN 965)	
77761	PA	65,0	M 10	similar 34811 (former. DIN 965)	
77762	PA	75,0	M 10	similar 34811 (former. DIN 965)	
77763	PA	85,0	M 10	similar 34811 (former. DIN 965)	
77764	PA	16,0	M 12	similar 34811 (former. DIN 965)	
77765	PA	18,0	M 12	similar 34811 (former. DIN 965)	
77766	PA	22,0	M 12	similar 34811 (former. DIN 965)	
77767	PA	26,0	M 12	similar 34811 (former. DIN 965)	

CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

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CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT

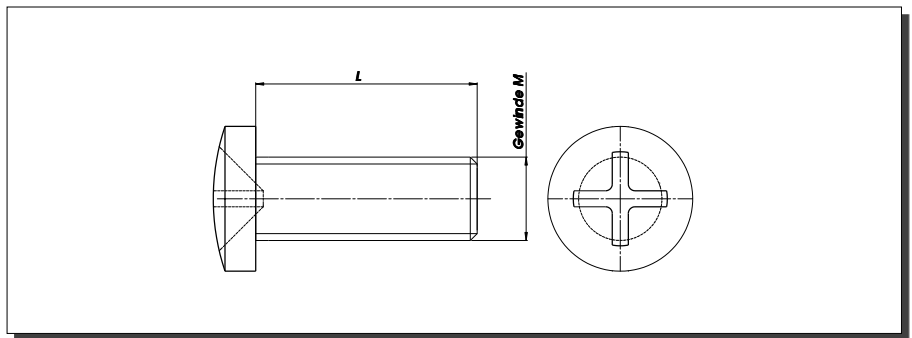
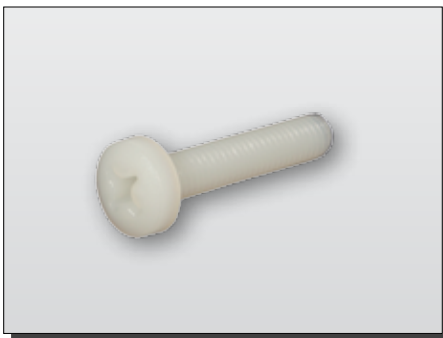
CROSS RECESSED COUNTERSUNK FLAT HEAD BOLT



ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77768	PA	31,0	M 12	similar 34811 (former. DIN 965)	
77769	PA	36,0	M 12	similar 34811 (former. DIN 965)	
77770	PA	41,0	M 12	similar 34811 (former. DIN 965)	
77771	PA	46,0	M 12	similar 34811 (former. DIN 965)	
77772	PA	51,0	M 12	similar 34811 (former. DIN 965)	
77773	PA	56,0	M 12	similar 34811 (former. DIN 965)	
77774	PA	66,0	M 12	similar 34811 (former. DIN 965)	
77775	PA	76,0	M 12	similar 34811 (former. DIN 965)	
77776	PA	86,0	M 12	similar 34811 (former. DIN 965)	

CROSS RECESSED RAISED COUNTERSUNK BOLT

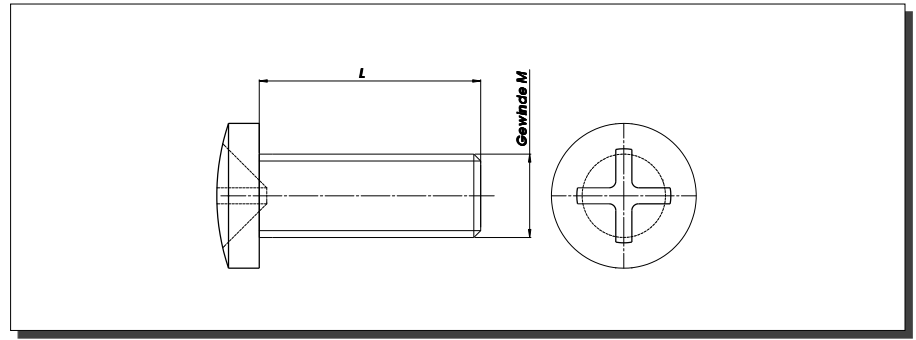
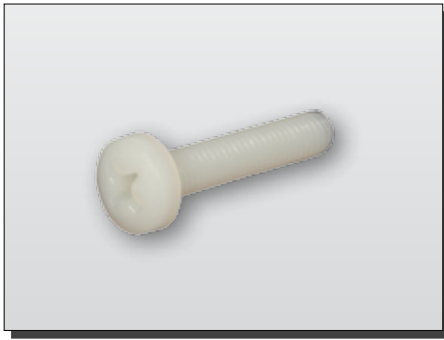
CROSS RECESSED RAISED COUNTERSUNK BOLT



ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77777	PA	4,0	M 3	similar 34812 (former. DIN 7985)	
77778	PA	5,0	M 3	similar 34812 (former. DIN 7985)	
77779	PA	6,0	M 3	similar 34812 (former. DIN 7985)	
77780	PA	8,0	M 3	similar 34812 (former. DIN 7985)	
77781	PA	10,0	M 3	similar 34812 (former. DIN 7985)	

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CROSS RECESSED RAISED COUNTERSUNK BOLT

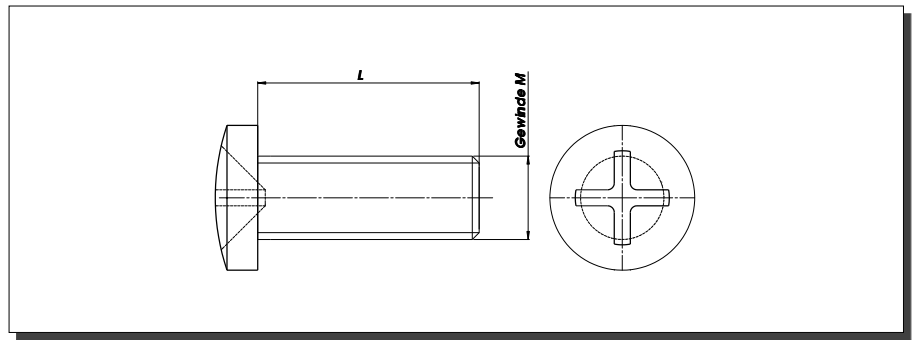
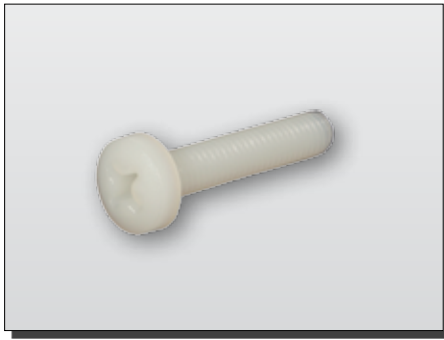


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77782	PA	12,0	M 3	similar 34812 (former. DIN 7985)	
77783	PA	14,0	M 3	similar 34812 (former. DIN 7985)	
77784	PA	15,0	M 3	similar 34812 (former. DIN 7985)	
77785	PA	16,0	M 3	similar 34812 (former. DIN 7985)	
77786	PA	18,0	M 3	similar 34812 (former. DIN 7985)	
77787	PA	20,0	M 3	similar 34812 (former. DIN 7985)	
77788	PA	22,0	M 3	similar 34812 (former. DIN 7985)	
77789	PA	25,0	M 3	similar 34812 (former. DIN 7985)	
77790	PA	28,0	M 3	similar 34812 (former. DIN 7985)	
77791	PA	30,0	M 3	similar 34812 (former. DIN 7985)	
77792	PA	33,0	M 3	similar 34812 (former. DIN 7985)	
77793	PA	35,0	M 3	similar 34812 (former. DIN 7985)	
77794	PA	40,0	M 3	similar 34812 (former. DIN 7985)	
77795	PA	42,0	M 3	similar 34812 (former. DIN 7985)	
77796	PA	45,0	M 3	similar 34812 (former. DIN 7985)	
77797	PA	3,0	M 4	similar 34812 (former. DIN 7985)	
77798	PA	4,0	M 4	similar 34812 (former. DIN 7985)	
77799	PA	5,0	M 4	similar 34812 (former. DIN 7985)	
77800	PA	6,0	M 4	similar 34812 (former. DIN 7985)	
77801	PA	8,0	M 4	similar 34812 (former. DIN 7985)	
77802	PA	10,0	M 4	similar 34812 (former. DIN 7985)	
77803	PA	12,0	M 4	similar 34812 (former. DIN 7985)	
77804	PA	13,0	M 4	similar 34812 (former. DIN 7985)	
77805	PA	14,0	M 4	similar 34812 (former. DIN 7985)	
77806	PA	15,0	M 4	similar 34812 (former. DIN 7985)	
77807	PA	16,0	M 4	similar 34812 (former. DIN 7985)	
77808	PA	18,0	M 4	similar 34812 (former. DIN 7985)	
77809	PA	20,0	M 4	similar 34812 (former. DIN 7985)	
77810	PA	23,0	M 4	similar 34812 (former. DIN 7985)	

CROSS RECESSED RAISED COUNTERSUNK BOLT

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CROSS RECESSED RAISED COUNTERSUNK BOLT

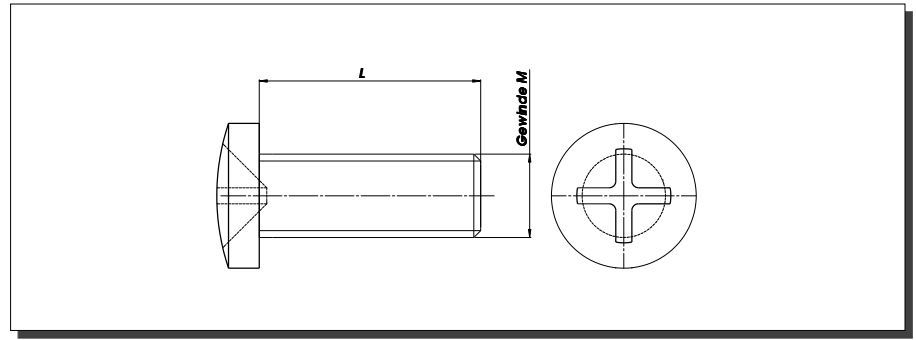
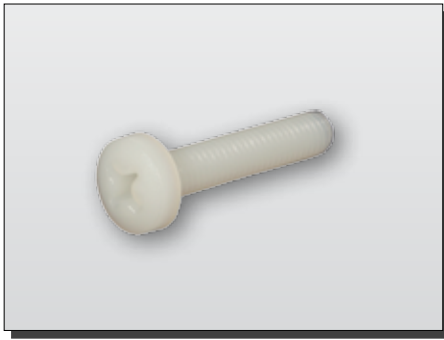


CROSS RECESSED RAISED COUNTERSUNK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77811	PA	25,0	M 4	similar 34812 (former. DIN 7985)	
77812	PA	28,0	M 4	similar 34812 (former. DIN 7985)	
77813	PA	30,0	M 4	similar 34812 (former. DIN 7985)	
77814	PA	35,0	M 4	similar 34812 (former. DIN 7985)	
77815	PA	40,0	M 4	similar 34812 (former. DIN 7985)	
77816	PA	45,0	M 4	similar 34812 (former. DIN 7985)	
77817	PA	50,0	M 4	similar 34812 (former. DIN 7985)	
77818	PA	55,0	M 4	similar 34812 (former. DIN 7985)	
77819	PA	60,0	M 4	similar 34812 (former. DIN 7985)	
77820	PA	70,0	M 4	similar 34812 (former. DIN 7985)	
77821	PA	4,0	M 5	similar 34812 (former. DIN 7985)	
77822	PA	6,0	M 5	similar 34812 (former. DIN 7985)	
77823	PA	7,0	M 5	similar 34812 (former. DIN 7985)	
77824	PA	8,0	M 5	similar 34812 (former. DIN 7985)	
77825	PA	9,0	M 5	similar 34812 (former. DIN 7985)	
77826	PA	10,0	M 5	similar 34812 (former. DIN 7985)	
77827	PA	12,0	M 5	similar 34812 (former. DIN 7985)	
77828	PA	13,0	M 5	similar 34812 (former. DIN 7985)	
77829	PA	14,0	M 5	similar 34812 (former. DIN 7985)	
77830	PA	15,0	M 5	similar 34812 (former. DIN 7985)	
77831	PA	16,0	M 5	similar 34812 (former. DIN 7985)	
77832	PA	17,0	M 5	similar 34812 (former. DIN 7985)	
77833	PA	18,0	M 5	similar 34812 (former. DIN 7985)	
77834	PA	20,0	M 5	similar 34812 (former. DIN 7985)	
77835	PA	25,0	M 5	similar 34812 (former. DIN 7985)	
77836	PA	30,0	M 5	similar 34812 (former. DIN 7985)	
77837	PA	35,0	M 5	similar 34812 (former. DIN 7985)	
77838	PA	40,0	M 5	similar 34812 (former. DIN 7985)	
77839	PA	45,0	M 5	similar 34812 (former. DIN 7985)	

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CROSS RECESSED RAISED COUNTERSUNK BOLT

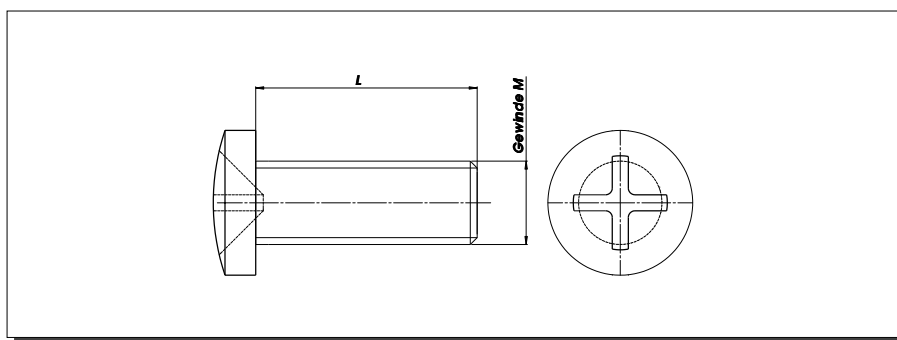


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77840	PA	50,0	M 5	similar 34812 (former. DIN 7985)	
77841	PA	60,0	M 5	similar 34812 (former. DIN 7985)	
77842	PA	65,0	M 5	similar 34812 (former. DIN 7985)	
77843	PA	70,0	M 5	similar 34812 (former. DIN 7985)	
77844	PA	80,0	M 5	similar 34812 (former. DIN 7985)	
77845	PA	5,0	M 6	similar 34812 (former. DIN 7985)	
77846	PA	6,0	M 6	similar 34812 (former. DIN 7985)	
77847	PA	7,0	M 6	similar 34812 (former. DIN 7985)	
77848	PA	8,0	M 6	similar 34812 (former. DIN 7985)	
77849	PA	10,0	M 6	similar 34812 (former. DIN 7985)	
77850	PA	12,0	M 6	similar 34812 (former. DIN 7985)	
77851	PA	14,0	M 6	similar 34812 (former. DIN 7985)	
77852	PA	15,0	M 6	similar 34812 (former. DIN 7985)	
77853	PA	16,0	M 6	similar 34812 (former. DIN 7985)	
77854	PA	17,0	M 6	similar 34812 (former. DIN 7985)	
77855	PA	20,0	M 6	similar 34812 (former. DIN 7985)	
77856	PA	22,0	M 6	similar 34812 (former. DIN 7985)	
77857	PA	25,0	M 6	similar 34812 (former. DIN 7985)	
77858	PA	30,0	M 6	similar 34812 (former. DIN 7985)	
77859	PA	35,0	M 6	similar 34812 (former. DIN 7985)	
77860	PA	40,0	M 6	similar 34812 (former. DIN 7985)	
77861	PA	45,0	M 6	similar 34812 (former. DIN 7985)	
77862	PA	50,0	M 6	similar 34812 (former. DIN 7985)	
77863	PA	55,0	M 6	similar 34812 (former. DIN 7985)	
77864	PA	60,0	M 6	similar 34812 (former. DIN 7985)	
77865	PA	70,0	M 6	similar 34812 (former. DIN 7985)	
77866	PA	75,0	M 6	similar 34812 (former. DIN 7985)	
77867	PA	80,0	M 6	similar 34812 (former. DIN 7985)	
77868	PA	85,0	M 6	similar 34812 (former. DIN 7985)	

CROSS RECESSED RAISED COUNTERSUNK BOLT

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CROSS RECESSED RAISED COUNTERSUNK BOLT

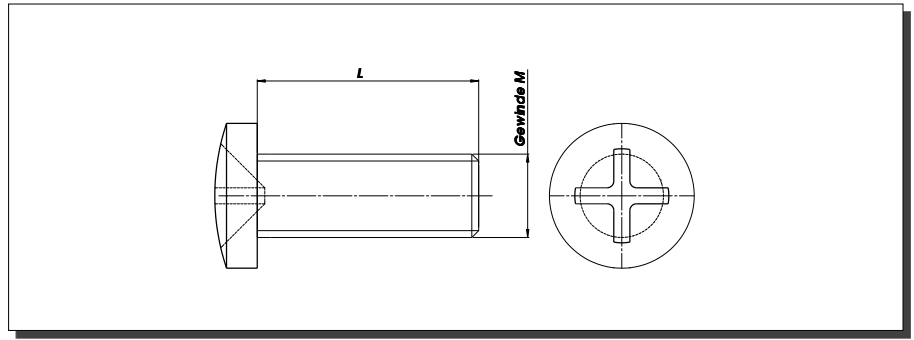
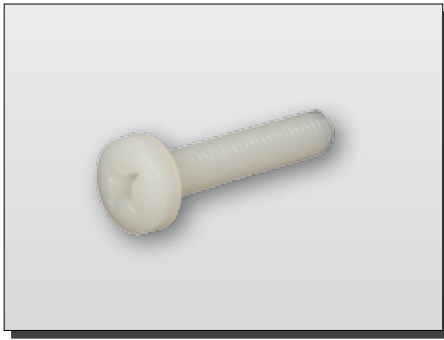


CROSS RECESSED RAISED COUNTERSUNK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77869	PA	90,0	M 6	similar 34812 (former. DIN 7985)	
77870	PA	95,0	M 6	similar 34812 (former. DIN 7985)	
77871	PA	100,0	M 6	similar 34812 (former. DIN 7985)	
77872	PA	110,0	M 6	similar 34812 (former. DIN 7985)	
77873	PA	120,0	M 6	similar 34812 (former. DIN 7985)	
77874	PA	130,0	M 6	similar 34812 (former. DIN 7985)	
77875	PA	4,0	M 8	similar 34812 (former. DIN 7985)	
77876	PA	5,0	M 8	similar 34812 (former. DIN 7985)	
77877	PA	6,0	M 8	similar 34812 (former. DIN 7985)	
77878	PA	7,0	M 8	similar 34812 (former. DIN 7985)	
77879	PA	8,0	M 8	similar 34812 (former. DIN 7985)	
77880	PA	9,0	M 8	similar 34812 (former. DIN 7985)	
77881	PA	10,0	M 8	similar 34812 (former. DIN 7985)	
77882	PA	11,0	M 8	similar 34812 (former. DIN 7985)	
77883	PA	12,0	M 8	similar 34812 (former. DIN 7985)	
77884	PA	13,0	M 8	similar 34812 (former. DIN 7985)	
77885	PA	15,0	M 8	similar 34812 (former. DIN 7985)	
77886	PA	16,0	M 8	similar 34812 (former. DIN 7985)	
77887	PA	17,0	M 8	similar 34812 (former. DIN 7985)	
77888	PA	18,0	M 8	similar 34812 (former. DIN 7985)	
77889	PA	20,0	M 8	similar 34812 (former. DIN 7985)	
77890	PA	23,0	M 8	similar 34812 (former. DIN 7985)	
77891	PA	25,0	M 8	similar 34812 (former. DIN 7985)	
77892	PA	26,0	M 8	similar 34812 (former. DIN 7985)	
77893	PA	30,0	M 8	similar 34812 (former. DIN 7985)	
77894	PA	35,0	M 8	similar 34812 (former. DIN 7985)	
77895	PA	40,0	M 8	similar 34812 (former. DIN 7985)	
77896	PA	45,0	M 8	similar 34812 (former. DIN 7985)	
77897	PA	50,0	M 8	similar 34812 (former. DIN 7985)	

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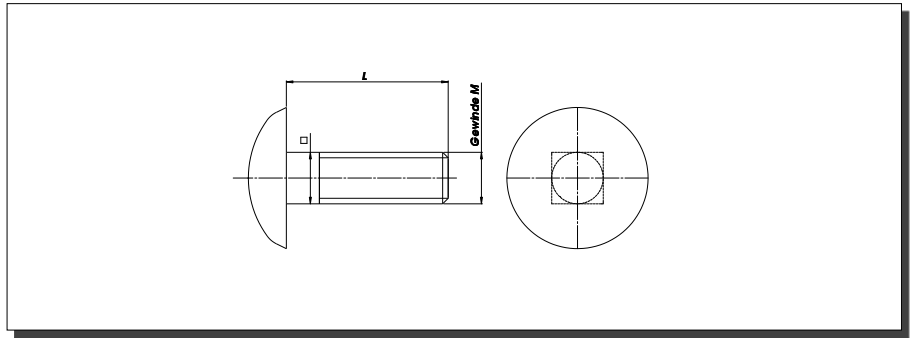
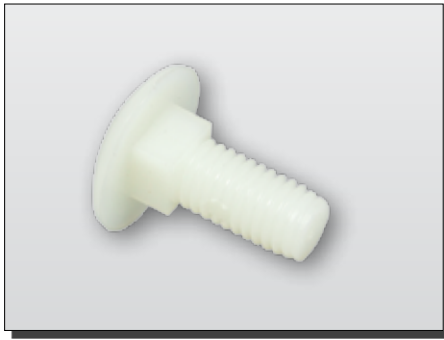
CROSS RECESSED RAISED COUNTERSUNK BOLT



ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77898	PA	55,0	M 8	similar 34812 (former. DIN 7985)	
77899	PA	60,0	M 8	similar 34812 (former. DIN 7985)	
77900	PA	65,0	M 8	similar 34812 (former. DIN 7985)	
77901	PA	70,0	M 8	similar 34812 (former. DIN 7985)	
77902	PA	75,0	M 8	similar 34812 (former. DIN 7985)	
77903	PA	80,0	M 8	similar 34812 (former. DIN 7985)	
77904	PA	85,0	M 8	similar 34812 (former. DIN 7985)	
77905	PA	90,0	M 8	similar 34812 (former. DIN 7985)	
77906	PA	95,0	M 8	similar 34812 (former. DIN 7985)	
77907	PA	100,0	M 8	similar 34812 (former. DIN 7985)	
77908	PA	110,0	M 8	similar 34812 (former. DIN 7985)	
77909	PA	120,0	M 8	similar 34812 (former. DIN 7985)	
77910	PA	130,0	M 8	similar 34812 (former. DIN 7985)	
77911	PA	13,0	M 10	similar 34812 (former. DIN 7985)	
77912	PA	16,0	M 10	similar 34812 (former. DIN 7985)	
77913	PA	19,0	M 10	similar 34812 (former. DIN 7985)	
77914	PA	20,0	M 10	similar 34812 (former. DIN 7985)	
77915	PA	25,0	M 10	similar 34812 (former. DIN 7985)	
77916	PA	30,0	M 10	similar 34812 (former. DIN 7985)	
77917	PA	35,0	M 10	similar 34812 (former. DIN 7985)	
77918	PA	50,0	M 10	similar 34812 (former. DIN 7985)	
77919	PA	60,0	M 10	similar 34812 (former. DIN 7985)	

CROSS RECESSED RAISED COUNTERSUNK BOLT

MUSHROOM HEAD SQUARE NECK BOLT

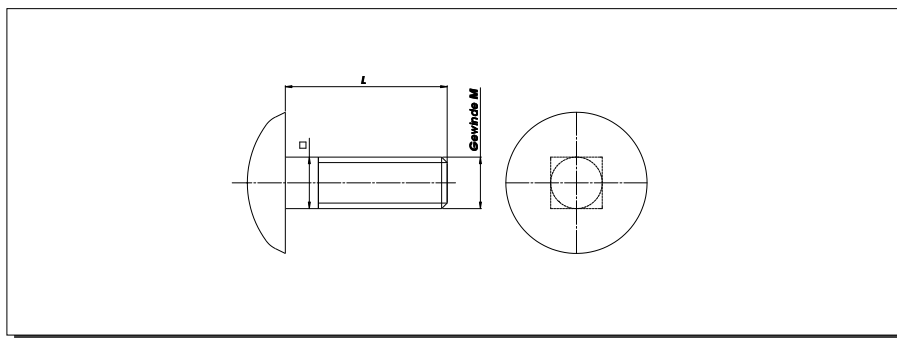


MUSHROOM HEAD SQUARE NECK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77920	PA	9,0	M 5	similar 603	
77921	PA	10,0	M 5	similar 603	
77922	PA	11,0	M 5	similar 603	
77923	PA	12,0	M 5	similar 603	
77924	PA	13,0	M 5	similar 603	
77925	PA	14,0	M 5	similar 603	
77926	PA	15,0	M 5	similar 603	
77927	PA	16,0	M 5	similar 603	
77928	PA	17,0	M 5	similar 603	
77929	PA	18,0	M 5	similar 603	
77930	PA	19,0	M 5	similar 603	
77931	PA	20,0	M 5	similar 603	
77932	PA	21,0	M 5	similar 603	
77933	PA	22,0	M 5	similar 603	
77934	PA	23,0	M 5	similar 603	
77935	PA	24,0	M 5	similar 603	
77936	PA	25,0	M 5	similar 603	
77937	PA	28,0	M 5	similar 603	
77938	PA	30,0	M 5	similar 603	
77939	PA	33,0	M 5	similar 603	
77940	PA	35,0	M 5	similar 603	
77941	PA	40,0	M 5	similar 603	
77942	PA	45,0	M 5	similar 603	
77943	PA	50,0	M 5	similar 603	
77944	PA	55,0	M 5	similar 603	
77945	PA	9,0	M 6	similar 603	
77946	PA	10,0	M 6	similar 603	
77947	PA	11,0	M 6	similar 603	
77948	PA	12,0	M 6	similar 603	

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MUSHROOM HEAD SQUARE NECK BOLT

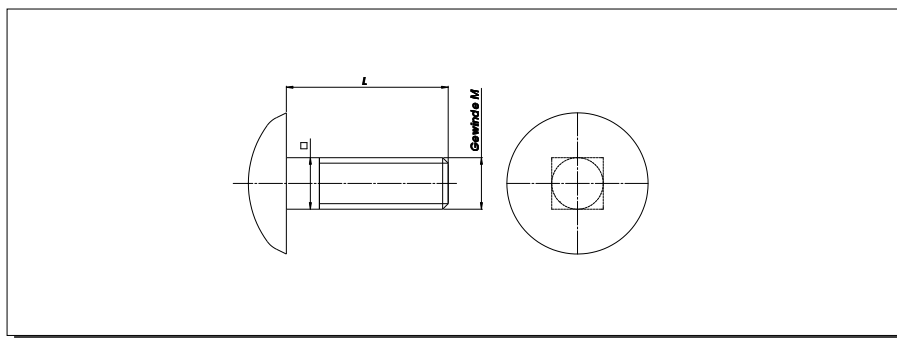


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77949	PA	14,0	M 6	similar 603	
77950	PA	15,0	M 6	similar 603	
77951	PA	16,0	M 6	similar 603	
77952	PA	18,0	M 6	similar 603	
77953	PA	19,0	M 6	similar 603	
77954	PA	20,0	M 6	similar 603	
77955	PA	21,0	M 6	similar 603	
77956	PA	24,0	M 6	similar 603	
77957	PA	25,0	M 6	similar 603	
77958	PA	29,0	M 6	similar 603	
77959	PA	30,0	M 6	similar 603	
77960	PA	34,0	M 6	similar 603	
77961	PA	35,0	M 6	similar 603	
77962	PA	39,0	M 6	similar 603	
77963	PA	40,0	M 6	similar 603	
77964	PA	44,0	M 6	similar 603	
77965	PA	45,0	M 6	similar 603	
77966	PA	49,0	M 6	similar 603	
77967	PA	50,0	M 6	similar 603	
77968	PA	54,0	M 6	similar 603	
77969	PA	55,0	M 6	similar 603	
77970	PA	60,0	M 6	similar 603	
77971	PA	64,0	M 6	similar 603	
77972	PA	70,0	M 6	similar 603	
77973	PA	80,0	M 6	similar 603	
77974	PA	90,0	M 6	similar 603	
77975	PA	10,0	M 8	similar 603	
77976	PA	11,0	M 8	similar 603	
77977	PA	12,0	M 8	similar 603	

MUSHROOM HEAD SQUARE NECK BOLT

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MUSHROOM HEAD SQUARE NECK BOLT

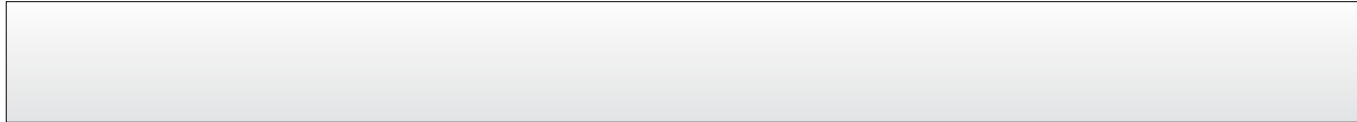
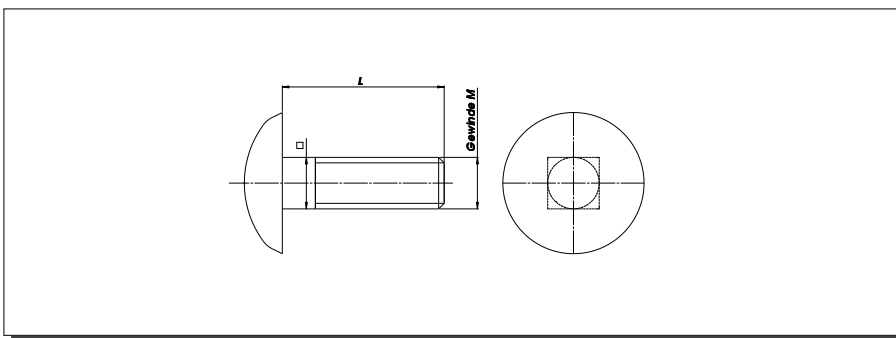


MUSHROOM HEAD SQUARE NECK BOLT

ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
77978	PA	13,0	M 8	similar 603	
77979	PA	14,0	M 8	similar 603	
77980	PA	15,0	M 8	similar 603	
77981	PA	16,0	M 8	similar 603	
77982	PA	17,0	M 8	similar 603	
77983	PA	18,0	M 8	similar 603	
77984	PA	19,0	M 8	similar 603	
77985	PA	20,0	M 8	similar 603	
77986	PA	21,0	M 8	similar 603	
77987	PA	22,0	M 8	similar 603	
77988	PA	23,0	M 8	similar 603	
77989	PA	25,0	M 8	similar 603	
77990	PA	28,0	M 8	similar 603	
77991	PA	30,0	M 8	similar 603	
77992	PA	35,0	M 8	similar 603	
77993	PA	40,0	M 8	similar 603	
77994	PA	45,0	M 8	similar 603	
77995	PA	50,0	M 8	similar 603	
77996	PA	55,0	M 8	similar 603	
77997	PA	60,0	M 8	similar 603	
77998	PA	65,0	M 8	similar 603	
77999	PA	70,0	M 8	similar 603	
78000	PA	75,0	M 8	similar 603	
78001	PA	80,0	M 8	similar 603	
78002	PA	85,0	M 8	similar 603	
78003	PA	90,0	M 8	similar 603	
78004	PA	95,0	M 8	similar 603	
78005	PA	100,0	M 8	similar 603	
78006	PA	110,0	M 8	similar 603	

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MUSHROOM HEAD SQUARE NECK BOLT

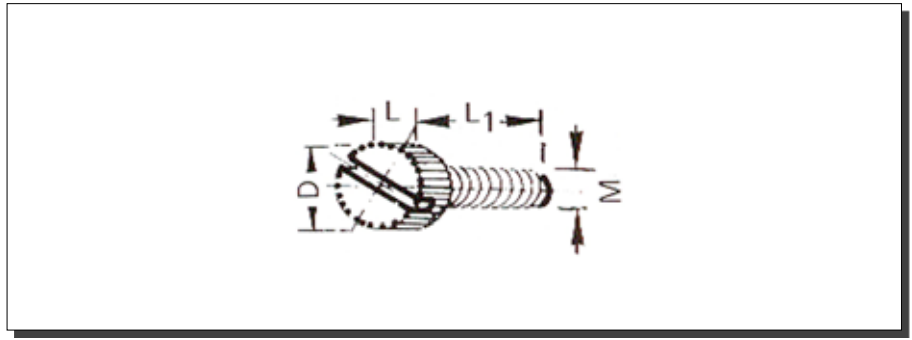
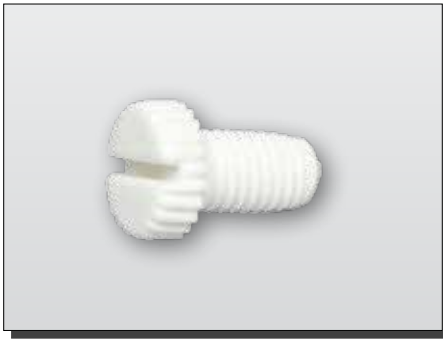


ARTICLE	MATERIAL	L	THREAD	DIN	NOTE
78007	PA	120,0	M 8	similar 603	
78008	PA	16,0	M 8	similar 603	
78009	PA	20,0	M 10	similar 603	
78010	PA	25,0	M 10	similar 603	
78011	PA	30,0	M 10	similar 603	
78012	PA	35,0	M 10	similar 603	
78013	PA	40,0	M 10	similar 603	
78014	PA	45,0	M 10	similar 603	
78015	PA	50,0	M 10	similar 603	
78016	PA	55,0	M 10	similar 603	
78017	PA	60,0	M 10	similar 603	
78018	PA	70,0	M 10	similar 603	
78019	PA	80,0	M 10	similar 603	
78020	PA	90,0	M 10	similar 603	
78021	PA	25,0	M 12	similar 603	
78022	PA	30,0	M 12	similar 603	
78023	PA	35,0	M 12	similar 603	
78024	PA	40,0	M 12	similar 603	
78025	PA	45,0	M 12	similar 603	
78026	PA	50,0	M 12	similar 603	
78027	PA	55,0	M 12	similar 603	
78028	PA	60,0	M 12	similar 603	
78029	PA	70,0	M 12	similar 603	
78030	PA	80,0	M 12	similar 603	
78031	PA	90,0	M 12	similar 603	

MUSHROOM HEAD SQUARE NECK BOLT

KNURLED HEAD BOLT

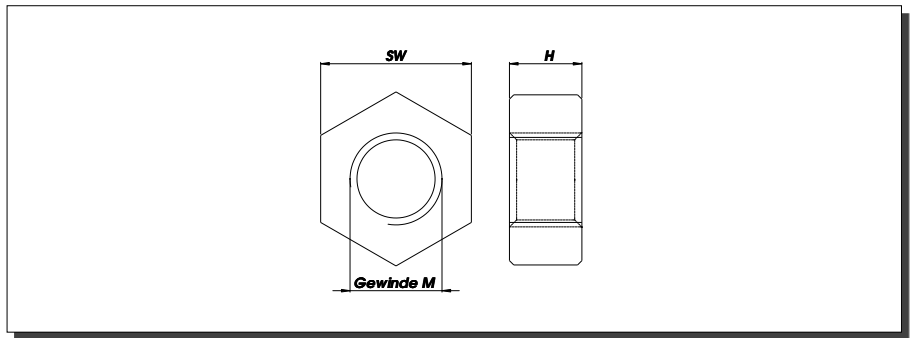
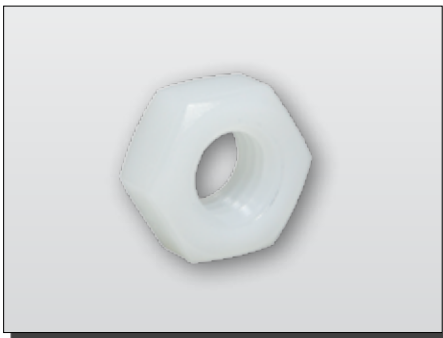
KNURLED HEAD BOLT



ARTICLE	MATERIAL	D	THREAD	L1	L2	NOTE
46700	PA	5,0	M 4	3,5	10,0	
46705	PA	9,0	M 5	3,5	10,0	
46710	PA	9,0	M 5	3,5	12,0	

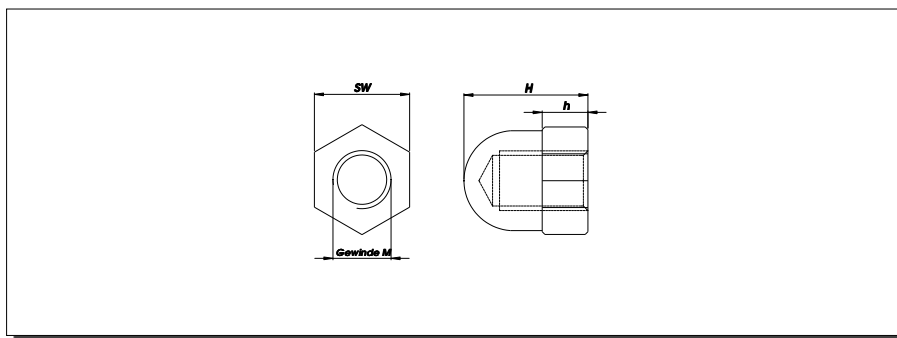
HEX-NUT

HEX-NUT



ARTICLE	MATERIAL	H	SW	THREAD	DIN	NOTE
75900	PA	2,15-2,4	5,5	M 3	34814	
75901	PA	2,9-3,2	7,0	M 4	34814	
75902	PA	4,4-4,7	8,0	M 5	34814	
75903	PA	4,9-5,2	10,0	M 6	34814	
75904	PA	6,4-6,8	13,0	M 8	34814	
75905	PA	8,04-8,4	16,0	M 10	34814	
75906	PA	10,37-10,8	18,0	M 12	34814	
75907	PA	14,1-14,8	24,0	M 16	34814	

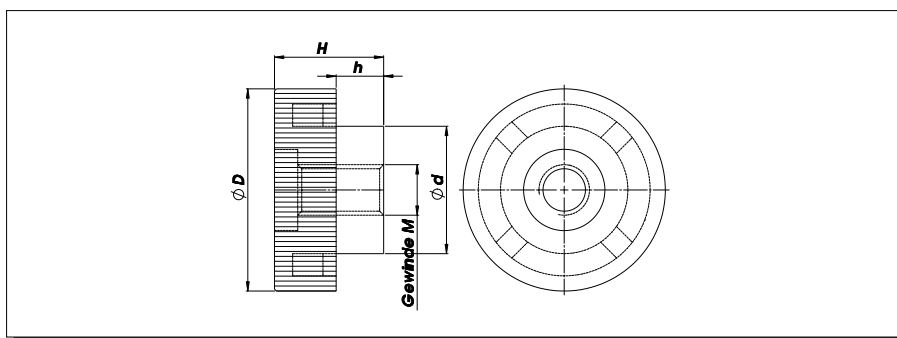
CAP NUT



ARTICLE	MATERIAL	H	SW	THREAD	h	DIN	NOTE
75930	PA	6,5	5,5	M 3	2,3	1587	
75931	PA	7,6	7,0	M 4	3,1	1587	
75932	PA	9,6	8,0	M 5	3,9	1587	
75933	PA	11,6	10,0	M 6	4,8	1587	
75934	PA	14,6	13,0	M 8	6,5	1587	
75935	PA	17,6	17,0	M 10	7,9	1587	
75936	PA	22,0	19,0	M 12	10,0	1587	

CAP NUT

KNURLED NUTS



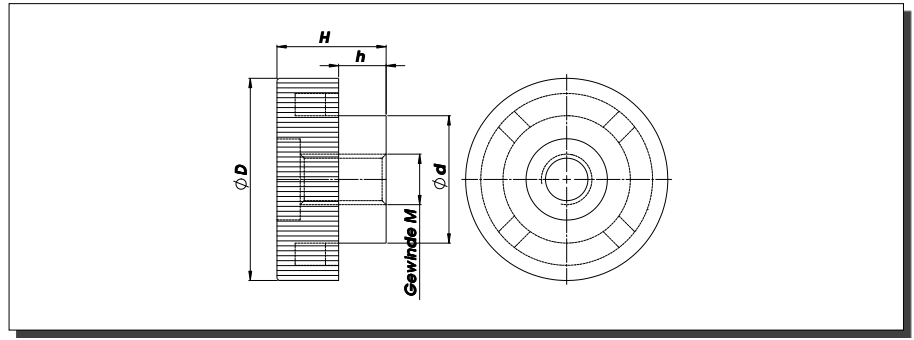
- flat fine

ARTICLE	MATERIAL	D	d	H	THREAD	h	DIN	NOTE
75940	PA	12,0	8,5	5,0	M 3	1,5	467	flat fine
75941	PA	14,0	8,5	5,0	M 4	1,5	467	flat fine
75942	PA	16,0	10,0	6,0	M 4	1,5	467	flat fine
75943	PA	20,0	10,0	7,5	M 4	1,5	467	flat fine
75944	PA	16,0	10,0	6,0	M 5	1,5	467	flat fine
75945	PA	19,0	10,0	7,5	M 5	1,5	467	flat fine
75946	PA	16,0	10,0	6,0	M 6	1,5	467	flat fine
75947	PA	19,0	10,0	7,5	M 6	1,5	467	flat fine
75948	PA	24,0	13,0	7,5	M 8	1,5	467	flat fine

KNURLED NUTS

Continued on next Page

KNURLED NUTS

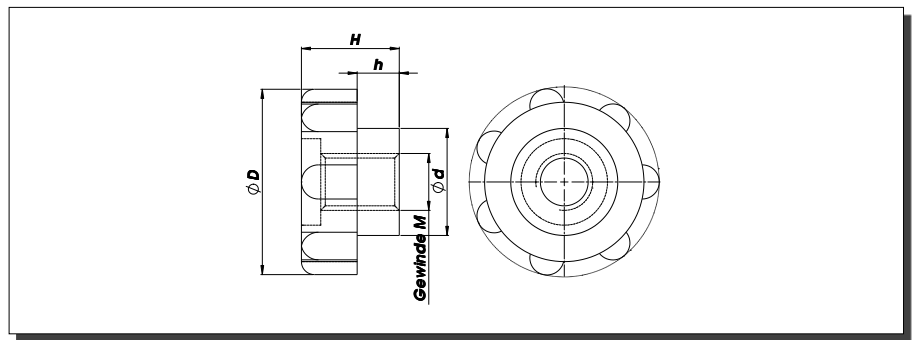
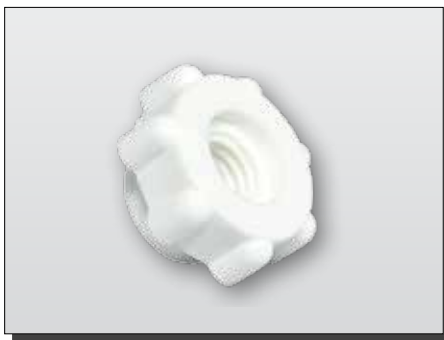


- raised fine

KNURLED NUTS

ARTICLE	MATERIAL	D	d	H	THREAD	h	DIN	NOTE
75960	PA	12,0	7,0	7,0	M 3	3,5	466	raised fine
75961	PA	12,0	7,0	7,0	M 4	3,5	466	raised fine
75962	PA	16,0	9,5	8,0	M 4	3,5	466	raised fine
75963	PA	14,0	8,8	7,0	M 5	3,5	466	raised fine
75964	PA	16,0	9,5	8,0	M 5	3,5	466	raised fine
75965	PA	20,0	13,0	11,0	M 5	5,0	466	raised fine
75966	PA	16,0	9,5	8,0	M 6	3,5	466	raised fine
75967	PA	20,0	13,0	11,0	M 6	5,0	466	raised fine

KNURLED NUTS

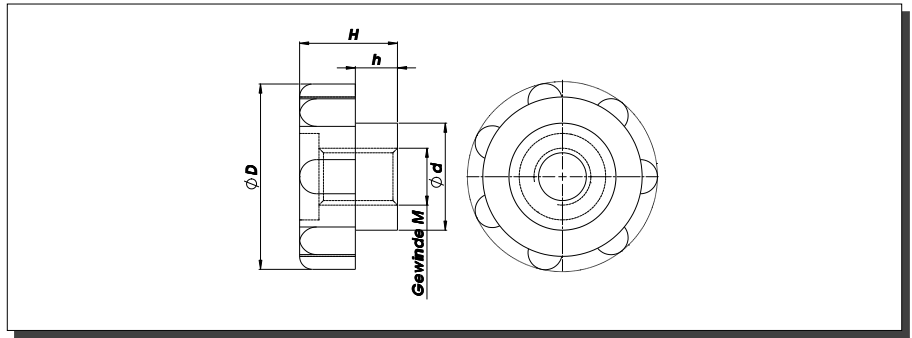
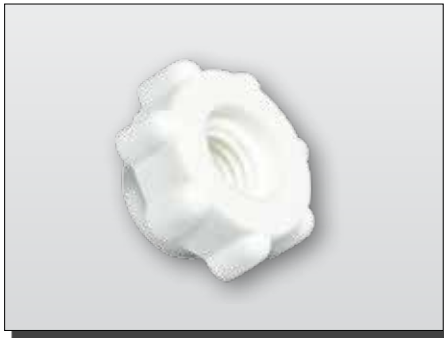


- flat coarse - to art.nr.: 75957
 - raised coarse - from art.nr.: 75970 to 75973

ARTICLE	MATERIAL	D	d	H	THREAD	h	DIN	NOTE
75950	PA	16,0	10,0	6,0	M 4	1,5	467	flat coarse
75951	PA	20,0	10,0	6,5	M 4	1,5	467	flat coarse
75952	PA	16,0	10,0	6,0	M 5	1,5	467	flat coarse
75953	PA	20,0	10,0	6,5	M 5	1,5	467	flat coarse
75954	PA	24,0	10,0	7,5	M 5	1,8	467	flat coarse

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KNURLED NUTS

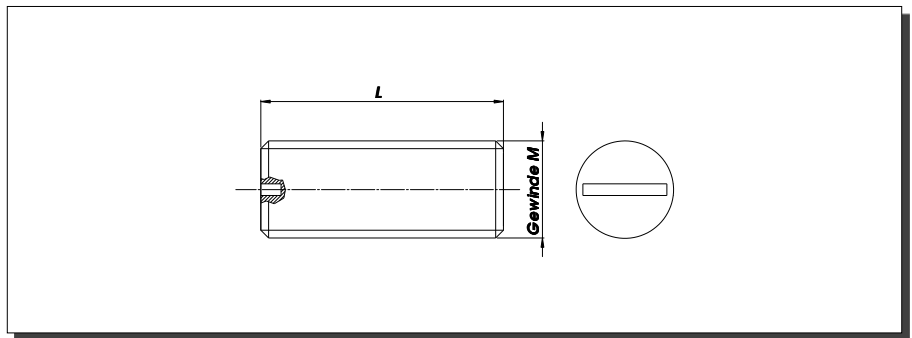
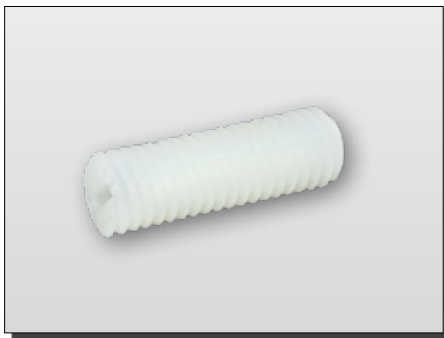


- flat coarse - to art.nr.: 75957
- raised coarse - from art.nr.: 75970 to 75973

ARTICLE	MATERIAL	D	d	H	THREAD	h	DIN	NOTE
75955	PA	16,0	10,0	6,0	M 6	1,5	467	flat coarse
75956	PA	20,0	10,0	6,5	M 6	1,5	467	flat coarse
75957	PA	24,0	10,0	7,5	M 6	1,8	467	flat coarse
75970	PA	16,0	9,5	8,0	M 4	3,5	466	raised coarse
75971	PA	16,0	9,5	8,0	M 5	3,5	466	raised coarse
75972	PA	16,0	9,5	8,0	M 6	3,5	466	raised coarse
75973	PA	24,0	13,0	11,0	M 6	5,0	466	raised coarse

KNURLED NUTS

HEADLESS SCREW

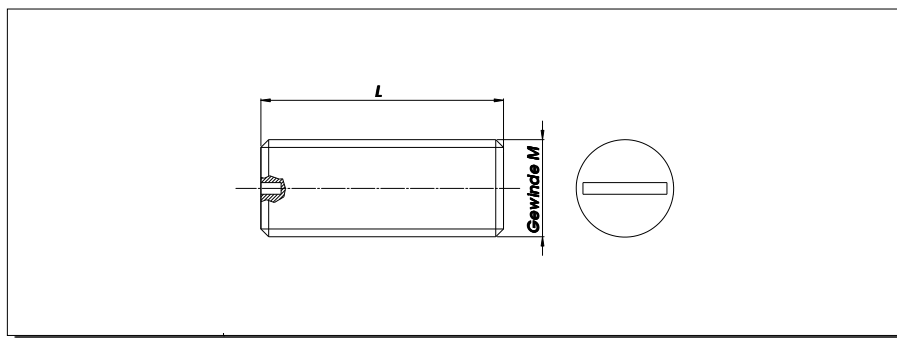


ARTICLE	MATERIAL	L	DIN	EN ISO	THREAD	NOTE
75700	PA	6,0	similar 551	24766	M 4	
75701	PA	8,0	similar 551	24766	M 4	
75702	PA	10,0	similar 551	24766	M 4	
75703	PA	12,0	similar 551	24766	M 4	
75704	PA	16,0	similar 551	24766	M 4	
75705	PA	20,0	similar 551	24766	M 4	
75706	PA	25,0	similar 551	24766	M 4	

HEADLESS SCREW

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HEADLESS SCREW

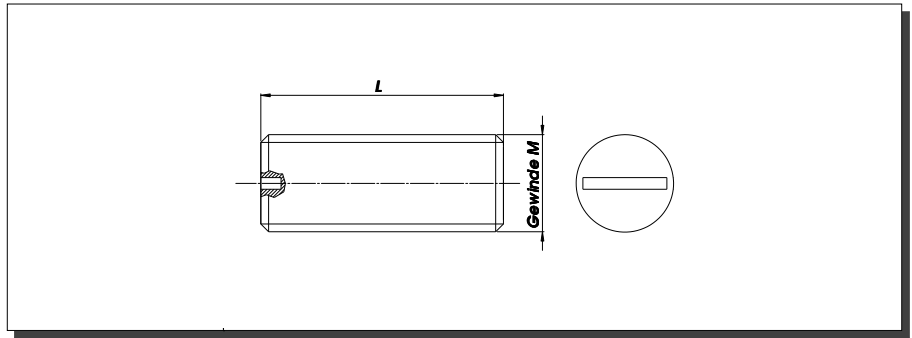


HEADLESS SCREW

ARTICLE	MATERIAL	L	DIN	EN ISO	THREAD	NOTE
75707	PA	30,0	similar 551	24766	M 4	
75708	PA	35,0	similar 551	24766	M 4	
75709	PA	40,0	similar 551	24766	M 4	
75710	PA	6,0	similar 551	24766	M 5	
75711	PA	8,0	similar 551	24766	M 5	
75712	PA	10,0	similar 551	24766	M 5	
75713	PA	12,0	similar 551	24766	M 5	
75714	PA	16,0	similar 551	24766	M 5	
75715	PA	20,0	similar 551	24766	M 5	
75716	PA	25,0	similar 551	24766	M 5	
75717	PA	30,0	similar 551	24766	M 5	
75718	PA	35,0	similar 551	24766	M 5	
75719	PA	40,0	similar 551	24766	M 5	
75720	PA	45,0	similar 551	24766	M 5	
75721	PA	50,0	similar 551	24766	M 5	
75722	PA	5,0	similar 551	24766	M 6	
75723	PA	8,0	similar 551	24766	M 6	
75724	PA	10,0	similar 551	24766	M 6	
75725	PA	12,0	similar 551	24766	M 6	
75726	PA	16,0	similar 551	24766	M 6	
75727	PA	20,0	similar 551	24766	M 6	
75728	PA	25,0	similar 551	24766	M 6	
75729	PA	30,0	similar 551	24766	M 6	
75730	PA	35,0	similar 551	24766	M 6	
75731	PA	40,0	similar 551	24766	M 6	
75732	PA	45,0	similar 551	24766	M 6	
75733	PA	50,0	similar 551	24766	M 6	
75734	PA	60,0	similar 551	24766	M 6	
75735	PA	70,0	similar 551	24766	M 6	

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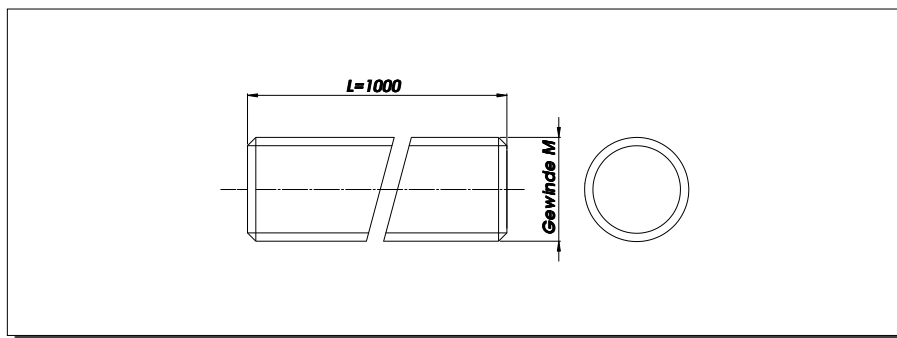
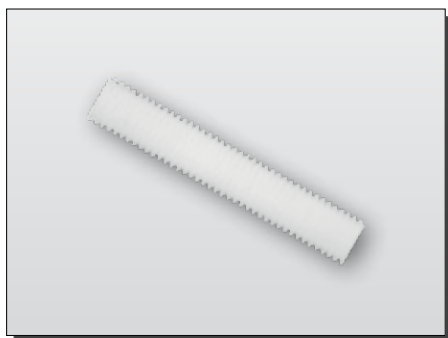
HEADLESS SCREW



ARTICLE	MATERIAL	L	DIN	EN ISO	THREAD	NOTE
75736	PA	10,0	similar 551	24766	M 8	
75737	PA	16,0	similar 551	24766	M 8	
75738	PA	20,0	similar 551	24766	M 8	
75739	PA	25,0	similar 551	24766	M 8	
75740	PA	30,0	similar 551	24766	M 8	
75741	PA	35,0	similar 551	24766	M 8	
75742	PA	40,0	similar 551	24766	M 8	
75743	PA	50,0	similar 551	24766	M 8	
75744	PA	60,0	similar 551	24766	M 8	
75745	PA	80,0	similar 551	24766	M 8	
75746	PA	20,0	similar 551	24766	M 10	
75747	PA	25,0	similar 551	24766	M 10	
75748	PA	30,0	similar 551	24766	M 10	
75749	PA	40,0	similar 551	24766	M 10	

HEADLESS SCREW

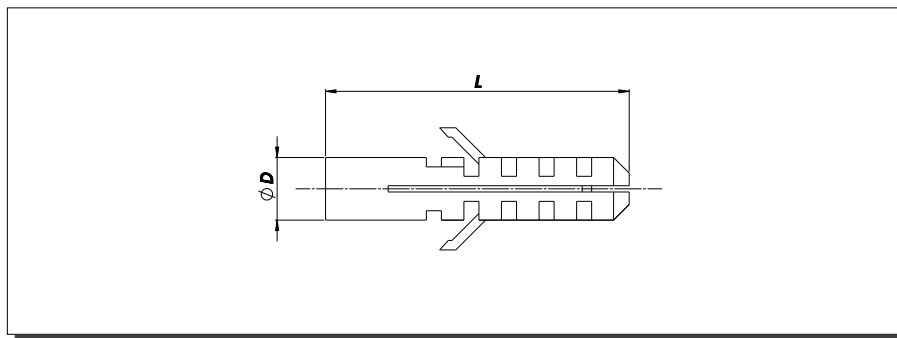
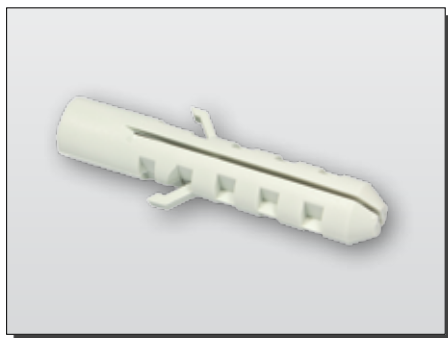
THREADED RODS



THREADED RODS

ARTICLE	MATERIAL	L	DIN	THREAD	NOTE
75800	PA	1000	975	M 3	
75801	PA	1000	975	M 4	
75802	PA	1000	975	M 5	
75803	PA	1000	975	M 6	
75804	PA	1000	975	M 8	
75805	PA	1000	975	M 10	
75806	PA	1000	975	M 12	
75807	PA	1000	975	M 16	
75808	PA	1000	975	M 20	

STRADLING DOWELS

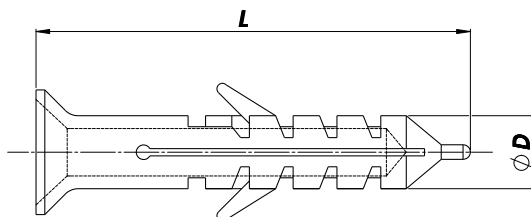


STRADLING DOWELS

ARTICLE	MATERIAL	D	L	NOTE
77000	PE	5,0	25,0	
77001	PE	6,0	30,0	
77002	PE	7,0	35,0	
77003	PE	8,0	40,0	

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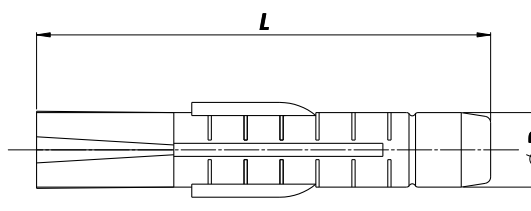
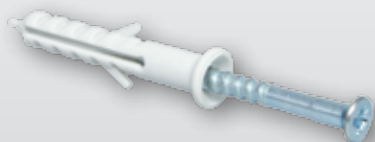
MULTI-PURPOSE DOWELS WITH OR WITHOUT COLLARS



- dowels available either with or without collars

ARTICLE	MATERIAL	D	L	NOTE
77016	PE	5,0	31,0	
77017	PE	6,0	36,0	
77018	PE	8,0	50,0	
77019	PE	10,0	60,0	
77020	PE	12,0	70,0	
77021	PE	14,0	75,0	

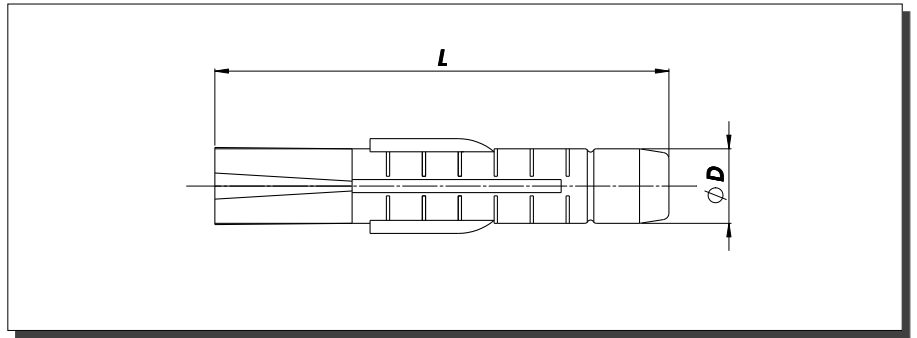
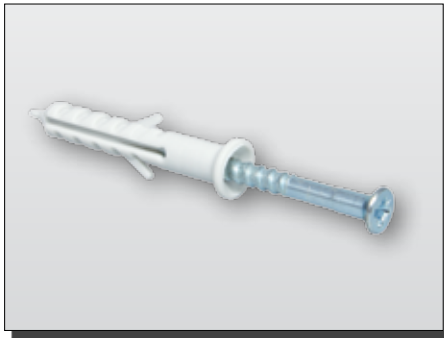
NAIL DOWELS



ARTICLE	MATERIAL	D	L	NOTE
77022	PA	5,0	30,0	
77023	PA	5,0	40,0	
77024	PA	5,0	50,0	
77025	PA	6,0	40,0	
77026	PA	6,0	50,0	
77027	PA	6,0	60,0	
77028	PA	6,0	80,0	
77029	PA	8,0	60,0	

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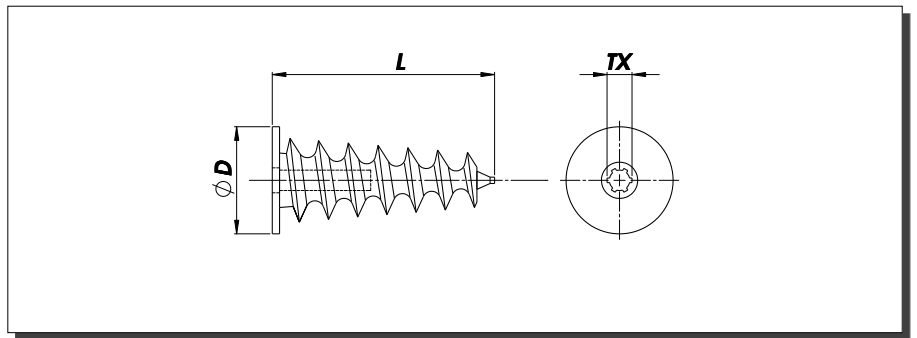
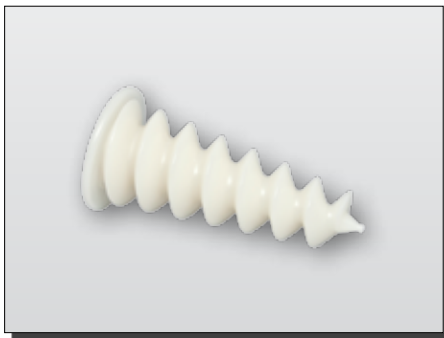
NAIL DOWELS



ARTICLE	MATERIAL	D	L	NOTE
77030	PA	8,0	80,0	
77031	PA	8,0	100,0	
77032	PA	8,0	120,0	
77033	PA	8,0	140,0	
77034	PA	8,0	160,0	

NAIL DOWELS

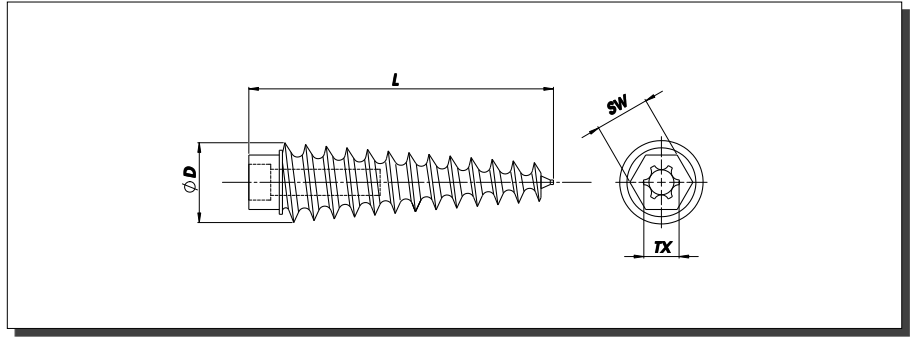
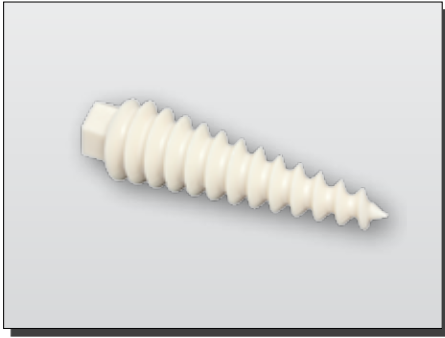
POLYSTYRENE DOWEL



ARTICLE	MATERIAL	D	L	TX	NOTE
77035	PE	20,0	50,0	30	

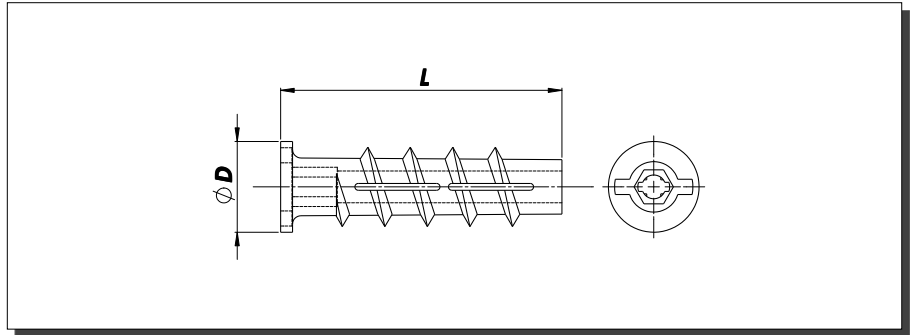
POLYSTYRENE DOWEL

POLYSTYRENE DOWEL



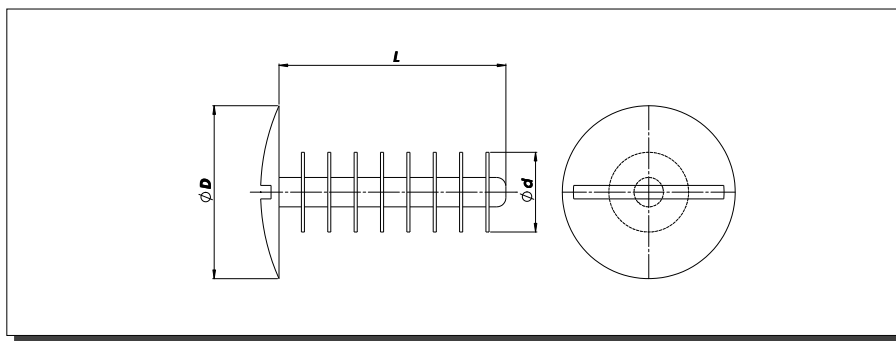
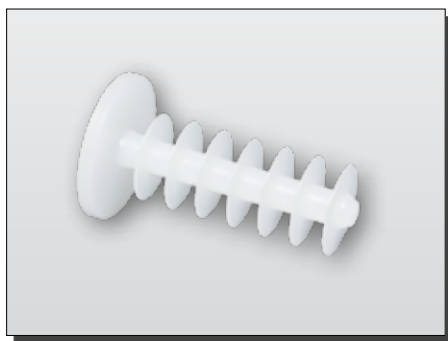
ARTICLE	MATERIAL	D	L	SW	TX	NOTE
77036	PE	30,0	95-8	17	55	

POROUS CONCRETE DOWEL



ARTICLE	MATERIAL	D	L	NOTE
77038	PA	4,0	50,0	for 4 mm screw / drilled hole Ø 10 mm
77039	PA	6,0	50,0	for 6 mm screw / drilled hole Ø10 mm
77040	PA	8,0	60,0	for 8 mm screw / drilled hole Ø12 mm
77041	PA	10,0	70,0	for 10 mm screw / drilled hole Ø14 mm

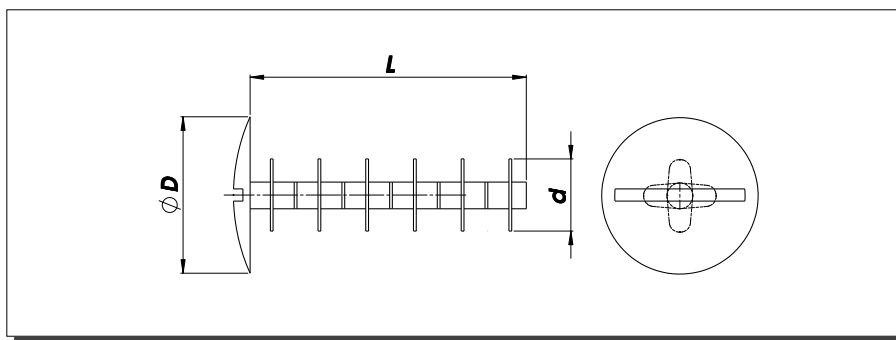
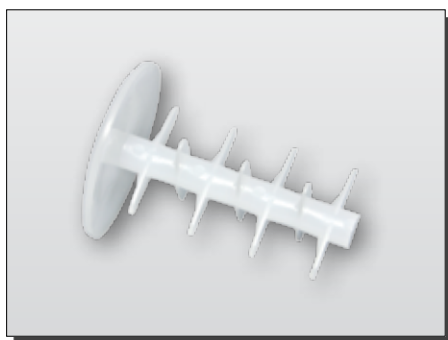
COVER CAPS WITH RING LAMELLA



ARTICLE	MATERIAL	D	d	L	FOR PLASTIC DOWELS	FOR METALLTHREADDOWELS	BOREHOLE SIZE
78055	PE	20,0	8,0	30,0	8 mm, 10 mm	8 mm, 10 mm	6-7 mm
78056	PE	21,0	11,0	30,0	8 mm, 10 mm	8 mm, 10 mm	6-7 mm
78057	PE	22,0	13,0	40,0	8 mm, 10 mm	8 mm, 10 mm	6-7 mm
78058	PE	29,0	13,0	38,0	8 mm, 10 mm	8 mm, 10 mm	6-7 mm
78059	PE	29,0	13,0	58,0	8 mm, 10 mm	8 mm, 10 mm	6-7 mm
78060	PE	29,0	13,0	78,0	8 mm, 10 mm	8 mm, 10 mm	6-7 mm

COVER CAPS WITH RING LAMELLA

COVER CAPS WITH CROSS LAMELLA

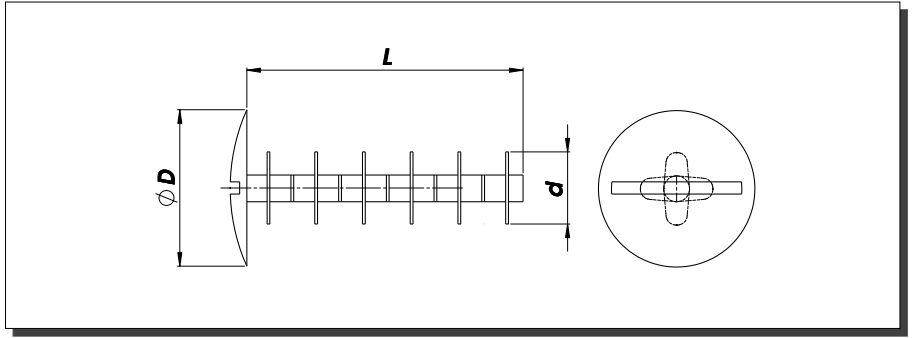
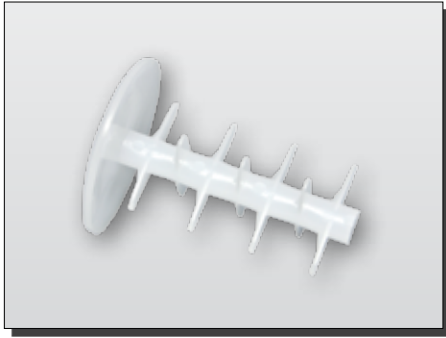


ARTICLE	MATERIAL	D	d	L	FOR PLASTIC DOWELS	FOR METALLTHREADDOWELS	BOREHOLE SIZE
78061	PE	25,0	14,0	38,0	10 mm, 12 mm, 14 mm	12 mm, 14 mm	10-13 mm
78062	PE	25,0	14,0	48,0	10 mm, 12 mm, 14 mm	12 mm, 14 mm	10-13 mm
78063	PE	29,0	14,0	35,0	10 mm, 12 mm, 14 mm	12 mm, 14 mm	10-13 mm
78064	PE	29,0	14,0	47,0	10 mm, 12 mm, 14 mm	12 mm, 14 mm	10-13 mm
78065	PE	29,0	14,0	57,0	10 mm, 12 mm, 14 mm	12 mm, 14 mm	10-13 mm
78066	PE	29,0	14,0	78,0	10 mm, 12 mm, 14 mm	12 mm, 14 mm	10-13 mm
78067	PE	29,0	19,0	38,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm

COVER CAPS WITH CROSS LAMELLA

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COVER CAPS WITH CROSS LAMELLA



COVER CAPS WITH CROSS LAMELLA

ARTICLE	MATERIAL	D	d	L	FOR PLASTIC DOWELS	FOR METALLTHREADDOWELS	BOREHOLE SIZE
78068	PE	29,0	19,0	58,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm
78069	PE	29,0	19,0	78,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm
78070	PE	30,0	20,0	78,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm
78071	PE	30,0	20,0	92,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm
78072	PE	30,0	20,0	102,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm
78073	PE	30,0	20,0	117,0	14 mm, 16 mm	14 mm, 16 mm	13-17 mm



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