

7

Bearing bushings and spacers

Washers, spacers. Coupling and saddle spacers. Bearing and insulating bushes.



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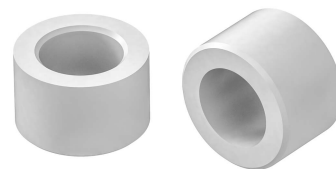
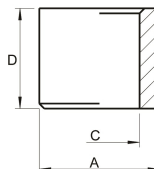


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Bearing bushes without flange

TB

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \emptyset	Shaft \emptyset	Total height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	D	C - min/max	A - min/max			
16726.00	8,0	12,0	10,0	8,07/8,32	12,12/12,30	nature	5000	-
16727.00	10,0	12,0	10,0	10,09/10,32	12,07/12,36	nature	1000	-
16728.00	8,0	14,0	10,0	8,07/8,25	14,03/14,21	nature	10000	10000
16729.00	10,0	14,0	10,0	10,09/10,27	14,07/14,35	nature	10000	-
16730.00	12,0	14,0	10,0	12,09/12,31	14,18/14,30	nature	5000	-
16731.00	10,0	16,0	10,0	10,09/10,27	16,00/16,27	nature	5000	5000
16732.00	12,0	16,0	10,0	12,09/12,27	16,09/16,27	nature	5000	-
16733.00	12,0	18,0	14,0	12,09/12,34	18,03/18,30	nature	5000	5000
16734.01	15,0	20,0	15,0	15,11/15,33	20,07/20,38	nature	5000	5000
16735.00	16,0	20,0	15,0	16,11/16,43	20,17/20,36	nature	5000	5000
16736.00	15,0	22,0	15,0	15,11/15,33	22,07/22,33	nature	5000	5000
16737.00	16,0	22,0	15,0	16,11/16,43	22,08/22,33	nature	5000	5000
16738.00	16,0	24,0	15,0	16,11/16,38	23,91/24,19	nature	500	-
16739.00	20,0	24,0	15,0	20,15/20,45	24,20/24,54	nature	2000	4000
16740.00	15,0	25,0	15,0	15,11/15,33	25,15/25,45	nature	2000	2000
16741.00	20,0	25,0	15,0	20,15/20,45	25,15/25,45	nature	2500	2500
16742.00	20,0	26,0	20,0	20,15/20,45	26,15/26,45	nature	2000	2000
16743.00	20,0	28,0	20,0	20,15/20,45	28,15/28,45	nature	2000	2000
16744.00	20,0	30,0	20,0	20,01/20,29	30,14/30,50	nature	2500	2500
16745.00	25,0	30,0	20,0	25,15/25,66	30,45/30,69	nature	2500	2500
16746.00	25,0	30,0	32,0	25,15/25,45	30,15/30,45	nature	500	1500
16747.00	25,0	32,0	20,0	25,15/25,45	32,15/32,47	nature	2500	2500
16748.00	28,0	32,0	20,0	28,20/28,60	32,15/32,45	nature	2500	2500
16749.00	25,0	35,0	20,0	25,10/25,45	34,91/35,39	nature	500	1000
16750.00	28,0	35,0	20,0	28,20/28,60	35,20/35,60	nature	500	1000
16751.00	30,0	35,0	20,0	30,20/30,62	35,20/35,75	nature	500	1500
16752.00	30,0	36,0	30,0	30,20/30,60	36,20/36,60	nature	500	1500
16753.00	32,0	36,0	30,0	32,52/32,86	36,32/36,70	nature	500	1000
16754.00	28,0	38,0	19,0	28,49/28,72	38,20/38,60	nature	1000	1000
16755.00	30,0	40,0	30,0	30,20/30,60	40,15/40,60	nature	500	1500
16756.00	32,0	40,0	30,0	32,20/32,60	40,20/40,66	nature	500	1500

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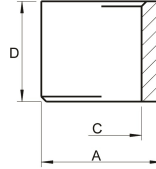
** MOQ: Parts with MOQ, set-up costs may apply.

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Bearing bushes without flange

TB

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \emptyset	Shaft \emptyset	Total height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	D	C - min/max	A - min/max			
16757.00	40,0	45,0	40,0	40,23/40,91	45,26/45,70	nature	250	1500
16758.00	40,0	48,0	40,0	40,23/40,69	48,23/48,69	nature	150	1050
16759.00	40,0	50,0	40,0	40,23/40,69	50,19/50,80	nature	150	750
16760.00	50,0	56,0	50,0	50,30/50,90	56,30/56,90	nature	150	750
16761.00	50,0	60,0	50,0	50,30/51,03	60,30/61,27	nature	150	600
16762.00	54,0	62,0	60,0	54,30/54,90	62,30/63,27	nature	150	600

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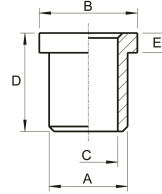
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Bearing bushes with flange

TBB

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	B	D	E	C - min/max	A - min/max			
16598.00	6,0	8,0	10,0	10,0	2,0	6,10/6,20	7,80/8,20	nature	25000	25000
16598.01	6,0	8,0	10,0	10,0	2,0	6,10/6,20	7,80/8,20	nature	1000	-
16599.00	6,0	10,0	15,0	8,0	1,5	6,20/6,30	10,1/10,26	nature	1000	-
16600.00	6,0	10,0	15,0	10,0	1,5	6,07/6,21	10,07/10,2	nature	10000	-
16600.01	6,0	10,0	15,0	10,0	1,5	6,07/6,30	10,07/10,2	nature	1000	-
16601.01	8,0	12,0	16,0	6,0	2,0	8,07/8,21	12,07/12,21	nature	1000	-
16602.00	8,0	12,0	16,0	12,0	2,0	8,07/8,21	12,07/12,24	nature	1000	-
16603.01	10,0	12,0	16,0	6,0	2,0	10,07/10,21	12,22/12,25	nature	1000	-
16604.00	10,0	12,0	16,0	12,0	2,0	10,14/10,26	12,07/12,26	nature	1000	-
16605.00	8,0	14,0	20,0	10,0	2,0	8,07/8,21	14,03/14,21	nature	5000	5000
16606.00	8,0	14,0	20,0	12,0	2,0	8,15/8,24	14,05/14,26	nature	5000	5000
16607.00	10,0	14,0	20,0	10,0	2,0	10,09/10,27	14,07/14,21	nature	1000	-
16608.00	10,0	14,0	20,0	12,0	2,0	10,09/10,25	14,07/14,24	nature	5000	-
16609.01	12,0	14,0	20,0	10,0	2,0	12,09/12,32	14,07/14,23	nature	1000	-
16610.00	12,0	14,0	20,0	12,0	2,0	12,35/12,45	14,28/14,37	nature	5000	-
16611.00	10,0	16,0	20,0	10,0	2,0	10,09/10,25	16,07/16,20	nature	1000	-
16612.00	10,0	16,0	20,0	12,0	2,0	10,09/10,27	16,07/16,19	nature	1000	-
16613.01	12,0	16,0	20,0	10,0	2,0	12,21/12,32	16,09/16,27	nature	1000	-
16614.00	12,0	16,0	20,0	12,0	2,0	12,21/12,32	16,09/16,22	nature	1000	-
16615.01	13,0	17,0	24,0	20,0	4,0	13,09/13,27	17,09/17,27	nature	5000	5000
16616.00	14,0	17,0	24,0	20,0	4,0	14,10/14,25	17,14/17,32	nature	1000	-
16617.01	10,0	18,0	24,0	20,0	4,0	10,16/10,34	18,11/18,27	nature	5000	5000
16618.01	12,0	18,0	24,0	20,0	4,0	12,09/12,27	18,12/18,30	nature	500	-
16619.00	13,0	20,0	28,0	20,0	4,0	13,09/13,27	20,08/20,27	nature	2000	2000
16620.00	14,0	20,0	28,0	20,0	4,0	14,04/14,22	20,10/20,31	nature	2000	2000
16621.00	15,0	20,0	28,0	20,0	4,0	15,11/15,32	20,09/20,31	nature	2000	-
16622.01	16,0	20,0	28,0	15,0	2,0	16,11/16,33	20,09/20,29	nature	500	-
16623.01	16,0	20,0	28,0	20,0	4,0	16,11/16,33	20,09/20,32	nature	2500	2500
16624.00	14,0	20,0	30,0	20,0	4,0	14,06/14,27	20,09/20,27	nature	2500	2500
16625.01	14,0	20,0	30,0	24,0	2,0	14,09/14,27	19,09/20,27	nature	2500	2500
16626.00	15,0	20,0	30,0	20,0	4,0	15,11/15,33	20,09/20,27	nature	2500	2500

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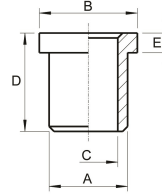
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Bearing bushes with flange

TBB

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	B	D	E	C - min/max	A - min/max			
16627.01	16,0	20,0	30,0	20,0	4,0	16,11/16,28	20,09/20,27	nature	2500	-
16628.00	12,0	22,0	30,0	20,0	4,0	12,26/12,38	22,05/22,25	nature	2500	-
16629.00	14,0	22,0	30,0	20,0	4,0	14,09/14,31	22,11/22,33	nature	2500	2500
16630.00	15,0	22,0	30,0	20,0	4,0	15,11/15,34	22,11/22,47	nature	2500	2500
16631.00	16,0	22,0	30,0	15,0	2,0	16,11/16,41	22,15/22,39	nature	2500	-
16632.00	16,0	22,0	30,0	20,0	4,0	16,29/16,39	22,24/22,38	nature	2500	2500
16633.01	18,0	22,0	30,0	20,0	4,0	18,40/18,51	22,33/22,57	nature	2500	5000
16634.00	14,0	24,0	30,0	20,0	4,0	14,09/14,27	24,11/24,33	nature	1000	2000
16635.00	16,0	24,0	30,0	15,0	2,0	16,25/16,41	23,99/24,19	nature	2500	-
16636.00	16,0	24,0	30,0	20,0	4,0	16,11/16,35	24,11/24,33	nature	2500	2500
16637.01	18,0	24,0	30,0	20,0	4,0	18,11/18,37	24,11/24,33	nature	2500	2500
16638.01	20,0	24,0	30,0	15,0	2,0	20,15/20,56	24,11/24,33	nature	2000	-
16639.00	20,0	24,0	30,0	20,0	4,0	20,15/20,45	24,11/24,33	nature	2500	5000
16640.00	15,0	25,0	30,0	20,0	4,0	15,11/15,33	25,11/25,33	nature	2500	2500
16641.00	16,0	25,0	30,0	20,0	4,0	16,11/16,33	24,92/25,14	nature	2500	2500
16642.00	18,0	25,0	30,0	20,0	4,0	18,11/18,33	25,11/25,33	nature	2500	2500
16643.00	20,0	25,0	30,0	15,0	2,0	20,15/20,47	25,05/25,33	nature	2500	-
16644.00	20,0	25,0	30,0	20,0	4,0	20,34/20,45	25,22/25,40	nature	2500	5000
16645.00	22,0	25,0	30,0	20,0	4,0	22,49/22,61	25,37/25,56	nature	2500	2500
16646.00	16,0	26,0	30,0	20,0	4,0	16,11/16,33	26,15/26,45	nature	2500	2500
16647.00	18,0	26,0	30,0	20,0	4,0	18,11/18,33	26,15/26,45	nature	2500	2500
16648.01	20,0	26,0	30,0	12,0	2,0	20,45/20,55	26,15/26,45	nature	2500	2500
16649.00	20,0	26,0	30,0	20,0	4,0	20,15/20,45	26,15/26,45	nature	2500	2500
16650.00	22,0	26,0	30,0	20,0	4,0	22,49/22,58	26,45/26,55	nature	2500	2500
16651.00	16,0	26,0	32,0	20,0	4,0	16,11/16,33	26,15/26,45	nature	2500	2500
16652.00	18,0	26,0	32,0	20,0	4,0	18,11/18,33	26,15/26,45	nature	2500	2500
16653.00	20,0	26,0	32,0	15,0	2,0	20,15/20,45	26,05/26,45	nature	2500	2500
16654.00	20,0	26,0	32,0	20,0	3,0	20,15/20,45	26,05/26,45	nature	2500	2500
16655.00	20,0	26,0	32,0	20,0	4,0	20,15/20,45	26,15/26,45	nature	1000	2000
16656.00	22,0	26,0	32,0	20,0	4,0	22,15/22,63	26,68/26,81	nature	2500	2500
16657.00	20,0	28,0	34,0	20,0	4,0	20,15/20,45	28,00/28,45	nature	1000	3000

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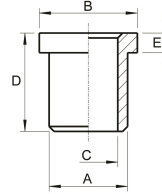
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Bearing bushes with flange

TBB

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	B	D	E	C - min/max	A - min/max			
16658.01	22,0	28,0	34,0	20,0	4,0	21,70/22,30	27,66/28,34	nature	1000	3000
16659.00	20,0	30,0	36,0	20,0	3,0	20,15/20,45	30,15/30,45	nature	500	1000
16660.00	20,0	30,0	36,0	24,0	4,0	20,15/20,45	30,15/30,45	nature	1000	2000
16661.00	22,0	30,0	36,0	24,0	4,0	22,15/22,45	30,00/30,45	nature	1000	2000
16662.00	24,0	30,0	36,0	24,0	4,0	24,15/24,59	30,07/30,50	nature	1000	1000
16663.01	25,0	30,0	36,0	20,0	3,0	25,15/25,45	30,15/30,60	nature	1000	-
16664.00	25,0	30,0	36,0	24,0	4,0	25,55 / 28,85	30,55 / 30,65	nature	1000	-
16665.00	22,0	32,0	40,0	24,0	4,0	22,15/22,45	32,15/32,45	nature	500	1500
16666.00	24,0	32,0	40,0	24,0	4,0	24,15/24,46	32,15/32,45	nature	500	2000
16667.01	25,0	32,0	40,0	20,0	3,0	25,15/25,45	32,15/32,45	nature	500	1000
16668.00	25,0	32,0	40,0	24,0	4,0	25,35/25,59	32,15/32,47	nature	500	1500
16669.00	26,0	32,0	40,0	24,0	4,0	26,20/26,61	32,15/32,56	nature	500	-
16670.00	28,0	32,0	40,0	24,0	4,0	28,70/28,95	32,62/32,75	nature	500	1500
16671.00	28,0	32,0	40,0	30,0	4,0	28,70/28,95	32,15/32,45	nature	500	1500
16672.00	30,0	32,0	40,0	24,0	4,0	30,45/30,87	32,71/32,87	nature	500	2000
16673.00	30,0	32,0	40,0	30,0	4,0	30,62/31,05	32,57/32,75	nature	500	1000
16674.00	24,0	35,0	45,0	24,0	4,0	24,15/24,45	34,80/35,07	nature	500	1500
16675.00	25,0	35,0	45,0	20,0	3,0	25,15/25,45	35,16/35,26	nature	500	1000
16676.00	25,0	35,0	45,0	24,0	4,0	25,45/25,70	35,10/35,40	nature	500	1000
16677.00	25,0	35,0	45,0	30,0	4,0	25,15/25,45	35,20/35,60	nature	500	1000
16678.00	26,0	35,0	45,0	24,0	4,0	26,15/26,45	34,93/35,17	nature	500	1000
16679.00	28,0	35,0	45,0	24,0	4,0	28,63/28,78	35,14/35,27	nature	500	1000
16680.00	28,0	35,0	45,0	30,0	4,0	28,60/28,84	35,20/35,60	nature	500	1000
16681.00	30,0	35,0	45,0	24,0	4,0	30,60/30,80	35,20/35,60	nature	500	1500
16682.00	30,0	35,0	45,0	30,0	4,0	30,20/30,65	35,20/35,60	nature	500	1500
16683.00	32,0	35,0	45,0	24,0	4,0	32,71/33,22	35,20/35,71	nature	500	1000
16684.00	32,0	35,0	45,0	30,0	4,0	32,60/32,95	35,20/35,72	nature	500	2000
16685.00	25,0	36,0	45,0	24,0	4,0	25,23/25,60	35,88/36,23	nature	500	1000
16686.00	26,0	36,0	45,0	24,0	4,0	26,15/26,45	36,08/36,60	nature	500	1000
16687.00	28,0	36,0	45,0	24,0	4,0	28,62/28,78	36,17/36,60	nature	500	1000
16688.00	30,0	36,0	45,0	24,0	4,0	30,20/30,73	36,20/36,60	nature	500	1500

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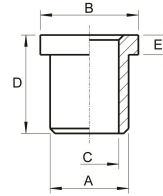
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Bearing bushes with flange

TBB

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	B	D	E	C - min/max	A - min/max			
16689.00	32,0	36,0	45,0	24,0	4,0	32,60/32,99	36,20/36,75	nature	500	-
16690.00	26,0	38,0	48,0	24,0	4,0	26,05/26,30	38,20/38,60	nature	500	1000
16691.00	28,0	38,0	48,0	24,0	4,0	28,20/28,60	38,15/38,45	nature	500	1000
16692.00	28,0	38,0	48,0	30,0	4,0	28,20/28,60	38,18/38,60	nature	500	1000
16693.00	30,0	38,0	48,0	24,0	4,0	30,20/30,60	38,20/38,60	nature	500	1000
16694.00								nature	500	1000
16695.00								nature	500	1500
16696.00	32,0	38,0	48,0	24,0	4,0	32,20/32,60	38,20/38,60	nature	500	1500
16697.00	28,0	40,0	50,0	24,0	4,0	28,20/28,60	40,20/40,60	nature	500	1000
16698.00	30,0	40,0	50,0	24,0	4,0	30,20/30,60	40,20/40,60	nature	500	1000
16699.00	32,0	40,0	50,0	24,0	4,0	32,20/32,60	40,20/40,60	nature	500	1000
16700.00	32,0	40,0	50,0	30,0	4,0	32,20/32,60	40,20/40,60	nature	500	1000
16701.00	33,0	40,0	50,0	24,0	4,0	33,39/33,70	40,20/40,60	nature	500	1000
16703.01	36,0	40,0	50,0	24,0	4,0	36,56/36,89	40,20/40,60	nature	500	1000
16704.00	32,0	44,0	54,0	40,0	5,0	32,46/32,97	44,52/44,92	nature	500	1000
16705.00	33,0	44,0	54,0	40,0	5,0	33,20/33,66	44,20/44,75	nature	250	1000
16706.00	36,0	44,0	54,0	40,0	5,0	36,23/36,69	44,20/44,68	nature	250	1000
16707.00	38,0	44,0	54,0	40,0	5,0	38,23/38,69	44,67/44,92	nature	250	-
16708.01	40,0	44,0	54,0	40,0	5,0	40,37/40,94	44,44/44,85	nature	250	-
16709.00	36,0	48,0	58,0	40,0	5,0	36,23/36,69	48,23/48,69	nature	300	900
16710.00	38,0	48,0	58,0	40,0	5,0	38,23/38,69	48,23/48,74	nature	250	1000
16711.00	40,0	48,0	58,0	40,0	5,0	40,23/40,69	48,59/48,85	nature	250	1000
16712.00	42,0	48,0	58,0	40,0	5,0	42,30/42,90	48,23/48,90	nature	250	1000
16713.00	38,0	50,0	60,0	40,0	5,0	38,23/38,69	50,26/50,69	nature	300	600
16714.00	40,0	50,0	60,0	40,0	5,0	40,12/40,69	50,15/50,69	nature	250	1000
16715.00	42,0	50,0	60,0	40,0	5,0	42,30/42,90	50,23/50,80	nature	250	1000
16716.00	40,0	56,0	70,0	40,0	5,0	40,17/40,69	55,63/56,52	nature	200	600
16717.00	42,0	56,0	70,0	40,0	5,0	42,10/42,90	56,15/56,90	nature	200	600
16718.00	45,0	56,0	70,0	40,0	5,0	45,30/45,90	56,20/56,90	nature	300	600
16719.00	48,0	56,0	70,0	40,0	5,0	48,58/48,93	56,20/56,90	nature	200	1000
16720.01	50,0	56,0	70,0	40,0	5,0	50,30/51,10	56,30/56,99	nature	200	-

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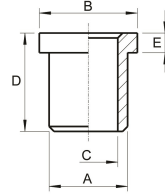
** MOQ: Parts with MOQ, set-up costs may apply.

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Bearing bushes with flange

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured

TBB



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Tolerance dimension	Tolerance dimension	Colour	PU*	MOQ**
	C	A	B	D	E	C - min/max	A - min/max			
16721.00	50,0	56,0	70,0	50,0	5,0	50,60/51,03	56,60/56,90	nature	200	1000
16722.00	45,0	60,0	70,0	40,0	5,0	45,16/46,08	60,14/61,22	nature	200	400
16723.00	48,0	60,0	70,0	40,0	5,0	48,30/48,95	60,30/60,90	nature	200	600
16724.00	50,0	60,0	70,0	40,0	5,0	50,30/50,90	60,30/60,90	nature	200	800
16725.00	50,0	60,0	70,0	50,0	5,0	50,30/50,90	60,10/60,80	nature	200	800

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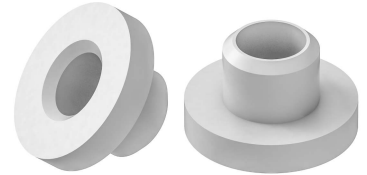
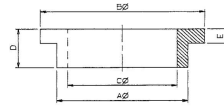
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Insulating bushes

TI

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole Ø	Shaft Ø	Flange Ø	Total height	Flange height	Colour	PU*	MOQ**
	C	A	B	D	E			
16470.00	1,6	2,9	5,2	3,0	1,0	nature	10000	10000
16471.00	2,1	2,9	5,2	3,0	1,0	nature	10000	-
16472.00	1,6	2,9	6,3	3,0	1,0	nature	5000	5000
16473.00	2,1	2,9	6,3	2,0	0,8	nature	10000	10000
16474.00	1,6	3,2	5,2	3,0	1,0	nature	10000	10000
16475.00	2,1	3,2	5,2	3,0	1,0	nature	10000	10000
16476.00	2,4	3,2	5,2	3,0	1,0	nature	10000	10000
16477.00	1,6	3,3	6,0	3,0	1,0	nature	10000	10000
16478.00	2,1	3,3	6,0	2,5	1,0	nature	10000	10000
16479.00	2,1	3,3	6,0	3,0	1,0	nature	10000	10000
16480.00	2,4	3,3	6,0	3,0	1,0	nature	10000	10000
16481.00	2,6	3,3	6,0	3,0	1,0	nature	10000	10000
16482.00	1,6	3,5	5,1	2,0	0,8	nature	10000	10000
16483.00	2,1	3,5	5,1	2,0	0,8	nature	10000	10000
16484.00	2,4	3,5	5,1	2,0	0,8	nature	10000	10000
16485.00	2,6	3,5	5,1	2,0	0,8	nature	25000	25000
16486.00	2,8	3,5	5,1	2,0	0,8	nature	10000	10000
16487.00	2,1	3,5	6,1	2,0	0,8	nature	10000	10000
16488.00	2,4	3,5	6,1	2,0	0,8	nature	10000	10000
16489.00	2,6	3,5	6,1	2,0	0,8	nature	10000	10000
16490.00	2,8	3,5	6,1	2,0	0,8	nature	10000	10000
16491.00	2,1	3,8	6,1	2,0	0,8	nature	10000	10000
16492.00	2,4	3,8	6,1	2,0	0,8	nature	10000	10000
16493.00	2,6	3,8	6,1	2,0	0,8	nature	10000	10000
16494.00	2,8	3,8	6,1	2,0	0,8	nature	10000	10000
16495.00	3,1	3,8	6,1	2,0	0,8	nature	10000	10000
16496.00	2,1	3,9	10,0	3,0	1,3	nature	10000	10000
16497.00	2,4	3,9	10,0	3,0	1,3	nature	10000	10000
16498.00	2,6	3,9	10,0	3,0	1,3	nature	10000	10000
16499.00	2,8	3,9	10,0	3,0	1,3	nature	10000	10000
16500.00	3,1	3,9	10,0	3,0	1,3	nature	10000	10000

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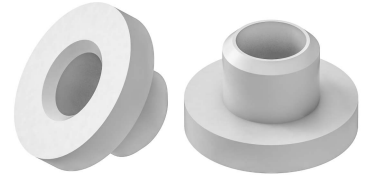
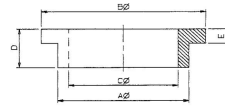
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Insulating bushes

TI

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Colour	PU*	MOQ**
	C	A	B	D	E			
16501.00	2,1	4,0	6,2	3,0	1,3	nature	10000	10000
16502.00	2,4	4,0	6,2	3,0	1,3	nature	10000	10000
16503.00	2,6	4,0	6,2	3,0	1,3	nature	10000	10000
16504.00	3,1	4,0	6,2	3,0	1,3	nature	10000	10000
16505.00	2,1	4,3	7,4	3,0	1,3	nature	10000	10000
16506.00	2,4	4,3	7,4	3,0	1,3	nature	10000	10000
16507.00	2,6	4,3	7,4	3,0	1,3	nature	10000	10000
16508.00	2,8	4,3	7,4	3,0	1,3	nature	10000	10000
16509.00	3,1	4,3	7,4	3,0	1,3	nature	10000	10000
16510.00	3,6	4,3	7,4	3,0	1,3	nature	10000	10000
16511.00	2,1	4,7	7,9	3,0	1,3	nature	10000	10000
16512.00	2,4	4,7	7,9	3,0	1,3	nature	10000	10000
16513.00	2,6	4,7	7,9	3,0	1,3	nature	10000	10000
16514.00	2,8	4,7	7,9	3,0	1,3	nature	10000	10000
16515.00	3,1	4,7	7,9	3,0	1,3	nature	10000	10000
16516.00	3,6	4,7	7,9	3,0	1,3	nature	10000	10000
16517.00	2,1	4,9	10,0	3,0	1,3	nature	10000	10000
16518.00	2,4	4,9	10,0	3,0	1,3	nature	10000	10000
16519.00	2,6	4,9	10,0	3,0	1,3	nature	10000	10000
16520.00	2,8	4,9	10,0	3,0	1,3	nature	10000	10000
16521.00	3,1	4,9	10,0	3,0	1,3	nature	10000	10000
16522.00	3,6	4,9	10,0	3,0	1,3	nature	10000	10000
16523.00	4,2	4,9	10,0	3,0	1,3	nature	10000	-
16524.00	2,1	5,5	10,0	3,0	1,3	nature	10000	10000
16525.00	2,4	5,5	10,0	3,0	1,3	nature	10000	10000
16526.00	2,6	5,5	10,0	3,0	1,3	nature	10000	10000
16527.00	2,8	5,5	10,0	3,0	1,3	nature	10000	10000
16528.00	3,1	5,5	10,0	3,0	1,3	nature	10000	10000
16529.00	3,6	5,5	10,0	3,0	1,3	nature	10000	10000
16530.00	4,2	5,5	10,0	3,0	1,3	nature	25000	25000
16531.00	2,1	5,9	10,0	3,0	1,3	nature	10000	10000

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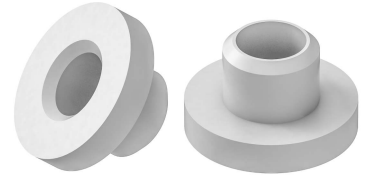
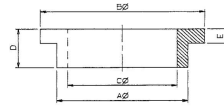
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Insulating bushes

TI

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole Ø	Shaft Ø	Flange Ø	Total height	Flange height	Colour	PU*	MOQ**
	C	A	B	D	E			
16532.00	2,4	5,9	10,0	3,0	1,3	nature	10000	10000
16533.00	2,6	5,9	10,0	3,0	1,3	nature	10000	10000
16534.00	2,8	5,9	10,0	3,0	1,3	nature	10000	10000
16535.00	3,1	5,9	10,0	3,0	1,3	nature	10000	10000
16536.00	3,6	5,9	10,0	3,0	1,3	nature	10000	10000
16537.00	4,2	5,9	10,0	3,0	1,3	nature	10000	10000
16538.00	5,2	5,9	10,0	3,0	1,3	nature	2500	-
16539.00	3,1	6,0	8,2	3,0	1,3	nature	10000	10000
16540.00	3,6	6,0	8,2	3,0	1,3	nature	10000	10000
16541.00	4,2	6,0	8,2	3,0	1,3	nature	10000	10000
16542.00	5,2	6,0	8,2	3,0	1,3	nature	10000	10000
16543.00	3,1	6,3	9,5	3,0	1,3	nature	10000	10000
16544.00	3,6	6,3	9,5	3,0	1,3	nature	10000	10000
16545.00	4,2	6,3	9,5	3,0	1,3	nature	10000	10000
16546.00	5,2	6,3	9,5	3,0	1,3	nature	10000	10000
16547.00	3,1	6,3	13,0	3,0	1,3	nature	10000	10000
16548.00	3,6	6,3	13,0	3,0	1,3	nature	10000	10000
16549.00	4,2	6,3	13,0	3,0	1,3	nature	10000	10000
16550.00	5,2	6,3	13,0	3,0	1,3	nature	10000	10000
16551.00	5,1	6,0	15,0	9,4	3,2	nature	10000	10000
16552.00	3,1	6,9	15,0	3,5	1,5	nature	10000	10000
16553.00	3,6	6,9	15,0	3,5	1,5	nature	10000	10000
16554.00	4,2	6,9	15,0	3,5	1,5	nature	10000	10000
16555.00	5,2	6,9	15,0	3,5	1,5	nature	2500	-
16556.01	6,2	6,9	15,0	3,5	1,5	nature	10000	-
16557.00	3,1	7,9	15,0	3,5	1,5	nature	10000	10000
16558.00	3,6	7,9	15,0	3,5	1,5	nature	10000	10000
16559.00	4,2	7,9	15,0	3,5	1,5	nature	10000	10000
16560.00	5,2	7,9	15,0	3,5	1,5	nature	10000	10000
16561.00	6,2	7,9	15,0	3,5	1,5	nature	10000	-
16562.00	3,1	8,9	15,0	3,5	1,5	nature	10000	10000

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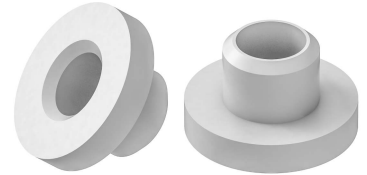
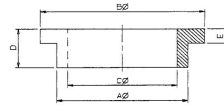
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Insulating bushes

TI

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured



Order No.	Drilled hole \varnothing	Shaft \varnothing	Flange \varnothing	Total height	Flange height	Colour	PU*	MOQ**
	C	A	B	D	E			
16563.00	3,6	8,9	15,0	3,5	1,5	nature	10000	10000
16564.00	4,2	8,9	15,0	3,5	1,5	nature	10000	10000
16565.00	5,2	8,9	15,0	3,5	1,5	nature	10000	10000
16566.00	6,2	8,9	15,0	3,5	1,5	nature	10000	-
16567.00	8,2	8,9	15,0	3,5	1,5	nature	10000	-
16568.00						nature	10000	10000
16569.00	3,6	9,9	15,0	3,5	1,5	nature	10000	10000
16570.00	4,2	9,9	15,0	3,5	1,5	nature	10000	10000
16571.00	5,2	9,9	15,0	3,5	1,5	nature	10000	10000
16572.00	6,2	9,9	15,0	3,5	1,5	nature	2500	-
16573.00	8,2	9,9	15,0	3,5	1,5	nature	10000	-
16574.00	8,2	10,4	18,0	5,0	1,0	nature	10000	-
16575.00	3,1	10,9	18,0	4,0	1,5	nature	2500	5000
16576.00	4,2	10,9	18,0	4,0	1,5	nature	10000	10000
16577.00	5,2	10,9	18,0	4,0	1,5	nature	10000	10000
16578.00	6,2	10,9	18,0	4,0	1,5	nature	10000	10000
16579.00	8,2	10,9	18,0	4,0	1,5	nature	10000	10000
16580.00	10,2	10,9	18,0	4,0	1,5	nature	10000	10000
16581.00	4,2	11,9	18,0	4,0	1,5	nature	10000	10000
16582.00	5,2	11,9	18,0	4,0	1,5	nature	10000	10000
16583.00	6,2	11,9	18,0	4,0	1,5	nature	10000	10000
16584.00	8,2	11,9	18,0	4,0	1,5	nature	10000	10000
16585.00	10,2	11,9	18,0	4,0	1,5	nature	10000	-
16586.00	10,2	12,5	21,0	5,0	1,0	nature	10000	10000
16587.00	10,2	12,9	19,0	4,0	1,5	nature	10000	-
16588.00	12,2	13,8	25,0	4,0	2,0	nature	10000	-
16589.00	12,2	14,8	25,0	4,0	2,0	nature	10000	10000
16590.00	12,2	15,0	24,0	5,0	1,0	nature	10000	-
16591.00	12,2	15,8	25,0	4,0	2,0	nature	10000	10000
16592.00	14,2	15,8	25,0	4,0	2,0	nature	10000	10000
16593.00	12,2	17,8	25,0	4,0	2,0	nature	10000	10000

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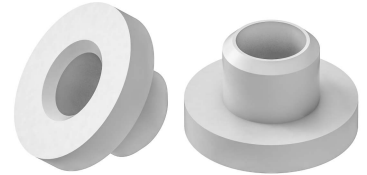
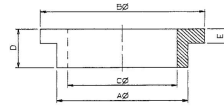
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Insulating bushes

Application: bearing and insulating bushes
Material: polyamide
Standard-Colour: uncoloured

TI



Order No.	Drilled hole Ø	Shaft Ø	Flange Ø	Total height	Flange height	Colour	PU*	MOQ**
	C	A	B	D	E			
16594.00	14,2	17,8	25,0	4,0	2,0	nature	10000	-
16595.00	16,2	17,8	25,0	4,0	2,0	nature	10000	10000
16596.00	16,2	19,0	23,0	25,0	1,0	nature	2500	5000
16597.00	3,6	10,9	18,0	4,0	1,5	nature	10000	10000

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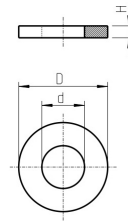
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Spacers

Application: washers / spacers
Material: polyethylene
Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	Colour	PU*	MOQ**
	D	H	d			
13599.00	15	2,0	7,2	black	10000	10000
13600.00	15	5,0	7,0	black	10000	10000
13601.00	15	6,0	4,0	black	10000	10000
13602.00	15	6,0	5,1	black	10000	-
13603.00	15	6,0	6,1	black	25000	-
13604.00	15	8,0	5,0	black	10000	10000
13605.00	15	8,0	6,2	black	1000	-
13606.00	18	5,5	4,0***	black	10000	10000
13607.00	22	10,0	6,0	black	5000	-
13608.00	25	5,0	6,0	black	500	-
13610.00	32	3,0	7,1	black	5000	5000
13612.00	40	10,0	5,5	black	1000	-
13611.00	40	10,0	10,5	black	1000	-

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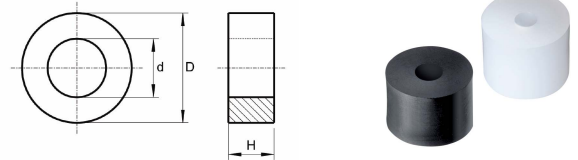
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Spacers

Application: washers / spacers
 Additional Info: All measurements also available made of PA 6, Surcharge: respective scale price + 20 %
 Material: PE or PA
 Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16112.00	6	2,5	3,2	M 3	black	10000	10000
16113.00	6	3,0	3,2	M 3	black	10000	-
16433.00	6	3,5	3,2	M 3	black	10000	10000
16114.00	6	5,0	3,2	M 3	black	10000	10000
16116.00	6	7,5	3,2	M 3	black	10000	10000
16117.00	6	10,0	3,2	M 3	black	10000	10000
16118.00	6	12,5	3,2	M 3	black	10000	10000
16119.00	6	15,0	3,2	M 3	black	10000	10000
16120.00	6	17,5	3,2	M 3	black	10000	10000
16121.00	6	20,0	3,2	M 3	black	10000	10000
16122.00	6	22,5	3,2	M 3	black	10000	10000
16123.00	6	25,0	3,2	M 3	black	10000	10000
16124.00	6	30,0	3,2	M 3	black	10000	10000
16125.00	8	2,5	3,2	M 3	black	10000	10000
16126.00	8	3,0	3,2	M 3	black	10000	10000
16127.00	8	5,0	3,2	M 3	black	10000	10000
16128.00	8	7,5	3,2	M 3	black	10000	10000
16129.00	8	10,0	3,2	M 3	black	10000	10000
16130.00	8	12,5	3,2	M 3	black	10000	10000
16131.00	8	15,0	3,2	M 3	black	10000	10000
16132.00	8	17,5	3,2	M 3	black	10000	10000
16133.00	8	20,0	3,2	M 3	black	10000	10000
16134.00	8	22,5	3,2	M 3	black	10000	10000
16135.00	8	25,0	3,2	M 3	black	10000	10000
16136.00	8	30,0	3,2	M 3	black	10000	10000
16137.00	8	2,5	4,3	M 4	black	10000	-
16138.00	8	3,0	4,3	M 4	black	10000	10000
16139.00	8	5,0	4,3	M 4	black	10000	-
16141.00	8	7,5	4,3	M 4	black	10000	-
16142.00	8	10,0	4,3	M 4	black	10000	10000
16144.00	8	12,5	4,3	M 4	black	10000	10000

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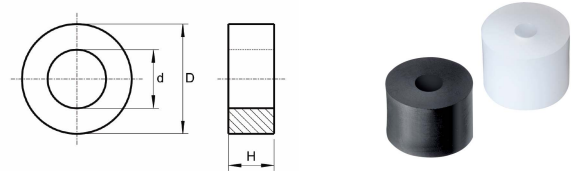
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Spacers

Application: washers / spacers
Material: PE or PA
Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16146.00	8	15,0	4,3	M 4	black	10000	10000
16147.00	8	17,5	4,3	M 4	black	10000	10000
16148.00	8	20,0	4,3	M 4	black	10000	10000
16149.00	8	22,5	4,3	M 4	black	10000	10000
16150.00	8	25,0	4,3	M 4	black	10000	10000
16151.00	8	30,0	4,3	M 4	black	10000	10000
16152.00	8	2,5	5,3	M 5	black	10000	10000
16153.00	8	3,0	5,3	M 5	black	10000	10000
16154.00	8	5,0	5,3	M 5	black	10000	10000
16155.00	8	7,5	5,3	M 5	black	10000	10000
16156.00	8	10,0	5,3	M 5	black	10000	10000
16157.00	8	12,5	5,3	M 5	black	10000	10000
16158.00	8	15,0	5,3	M 5	black	10000	10000
16159.00	8	17,5	5,3	M 5	black	10000	10000
16160.00	8	20,0	5,3	M 5	black	10000	10000
16162.00	8	22,5	5,3	M 5	black	10000	10000
16163.00	8	25,0	5,3	M 5	black	10000	10000
16164.00	8	30,0	5,3	M 5	black	10000	10000
16165.00	10	2,5	5,3	M 5	black	5000	-
16166.00	10	3,0	5,3	M 5	black	20000	20000
16167.00	10	5,0	5,3	M 5	black	10000	-
16168.00	10	7,5	5,3	M 5	black	10000	10000
16170.00	10	10,0	5,3	M 5	black	10000	-
16172.00	10	12,5	5,3	M 5	black	10000	10000
16173.00	10	15,0	5,3	M 5	black	10000	10000
16174.00	10	17,5	5,3	M 5	black	10000	10000
16175.00	10	20,0	5,3	M 5	black	10000	10000
16176.00	10	22,5	5,3	M 5	black	10000	10000
16177.00	10	25,0	5,3	M 5	black	10000	10000
16178.00	10	30,0	5,3	M 5	black	5000	5000
16195.00	12	2,5	5,3	M 5	black	5000	10000

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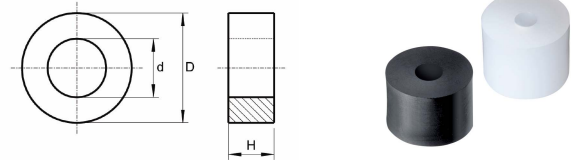
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Spacers

Application: washers / spacers
 Material: PE or PA
 Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16197.00	12	3,0	5,3	M 5	black	5000	10000
16198.00	12	5,0	5,3	M 5	black	10000	-
16199.00	12	7,5	5,3	M 5	black	10000	10000
16200.00	12	10,0	5,3	M 5	black	10000	-
16201.00	12	12,5	5,3	M 5	black	10000	10000
16202.00	12	15,0	5,3	M 5	black	10000	10000
16203.00	12	17,5	5,3	M 5	black	10000	10000
16204.00	12	20,0	5,3	M 5	black	10000	10000
16205.00	12	22,5	5,3	M 5	black	10000	10000
16206.00	12	25,0	5,3	M 5	black	10000	10000
16207.00	12	30,0	5,3	M 5	black	5000	5000
16242.00	15	2,5	5,3	M 5	black	10000	10000
16243.00	15	3,0	5,3	M 5	black	10000	-
16244.00	15	5,0	5,3	M 5	black	20000	-
16245.00	15	7,5	5,3	M 5	black	10000	10000
16246.00	15	10,0	5,3	M 5	black	10000	-
16248.00	15	12,5	5,3	M 5	black	10000	10000
16250.00	15	15,0	5,3	M 5	black	5000	5000
16435.00	15	16,0	5,3	M 5	black	5000	-
16251.00	15	17,5	5,3	M 5	black	5000	-
16252.00	15	20,0	5,3	M 5	black	5000	-
16253.00	15	22,5	5,3	M 5	black	5000	10000
16254.00	15	25,0	5,3	M 5	black	5000	5000
16255.00	15	30,0	5,3	M 5	black	5000	5000
16259.00	15	5,0	6,3	M 6	black	10000	-
16434.00	15	6,0	6,3	M 6	black	5000	-
16306.00	20	2,5	5,3	M 5	black	10000	10000
16307.00	20	3,0	5,3	M 5	black	10000	10000
16308.00	20	5,0	5,3	M 5	black	10000	-
16309.00	20	7,5	5,3	M 5	black	10000	-
16310.00	20	10,0	5,3	M 5	black	5000	10000

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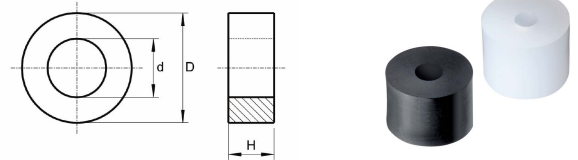
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Spacers

Application: washers / spacers
Material: PE or PA
Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16311.00	20	12,5	5,3	M 5	black	5000	10000
16312.00	20	15,0	5,3	M 5	black	5000	5000
16313.00	20	17,5	5,3	M 5	black	5000	-
16314.00	20	20,0	5,3	M 5	black	2500	7500
16315.00	20	22,5	5,3	M 5	black	2500	2500
16316.00					black	2500	2500
16317.00	20	30,0	5,3	M 5	black	2500	-
16179.00	10	2,5	6,3	M 6	black	5000	10000
16181.00	10	3,0	6,3	M 6	black	5000	-
16182.00	10	5,0	6,3	M 6	black	10000	-
16183.00	10	7,5	6,3	M 6	black	10000	-
16185.00	10	10,0	6,3	M 6	black	10000	-
16186.00	10	12,5	6,3	M 6	black	10000	10000
16188.00	10	15,0	6,3	M 6	black	10000	10000
16189.00	10	17,5	6,3	M 6	black	10000	10000
16190.00	10	20,0	6,3	M 6	black	10000	-
16191.00	10	22,5	6,3	M 6	black	10000	10000
16192.00	10	25,0	6,3	M 6	black	10000	10000
16194.00	10	30,0	6,3	M 6	black	5000	5000
16208.00	12	2,5	6,3	M 6	black	10000	-
16209.00	12	3,0	6,3	M 6	black	5000	-
16211.00	12	5,0	6,3	M 6	black	10000	-
16212.00	12	7,5	6,3	M 6	black	10000	10000
16214.00	12	10,0	6,3	M 6	black	20000	20000
16216.00	12	12,5	6,3	M 6	black	10000	10000
16218.00	12	15,0	6,3	M 6	black	10000	10000
16220.00	12	17,5	6,3	M 6	black	10000	10000
16221.00	12	20,0	6,3	M 6	black	10000	10000
16222.00	12	22,5	6,3	M 6	black	10000	10000
16223.00	12	25,0	6,3	M 6	black	10000	10000
16224.00	12	30,0	6,3	M 6	black	5000	10000

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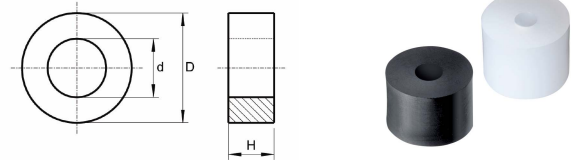
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Spacers

Application: washers / spacers
Material: PE or PA
Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16256.00	15	2,5	6,3	M 6	black	10000	-
16257.00	15	3,0	6,3	M 6	black	20000	-
16258.00	15	4,0	6,3	M 6	black	5000	-
16261.00	15	7,5	6,3	M 6	black	5000	-
16263.00	15	10,0	6,3	M 6	black	5000	-
16265.00	15	12,5	6,3	M 6	black	10000	10000
16266.00	15	15,0	6,3	M 6	black	5000	-
16268.00	15	17,5	6,3	M 6	black	5000	5000
16269.00	15	20,0	6,3	M 6	black	5000	-
16271.00	15	22,5	6,3	M 6	black	5000	5000
16272.00	15	25,0	6,3	M 6	black	5000	-
16273.00	15	30,0	6,3	M 6	black	5000	-
16318.00	20	2,5	6,3	M 6	black	10000	-
16320.00	20	3,0	6,3	M 6	black	5000	-
16321.00	20	5,0	6,3	M 6	black	5000	-
16323.00	20	7,5	6,3	M 6	black	5000	-
16325.01	20	10,0	6,3	M 6	black	1000	-
16327.00	20	12,5	6,3	M 6	black	5000	-
16329.00	20	15,0	6,3	M 6	black	5000	-
16331.00	20	17,5	6,3	M 6	black	5000	-
16332.00	20	20,0	6,3	M 6	black	2500	-
16334.00	20	22,5	6,3	M 6	black	2500	5000
16335.00	20	25,0	6,3	M 6	black	2500	2500
16336.00	20	30,0	6,3	M 6	black	2000	-
16225.00	12	2,5	8,4	M 8	black	5000	10000
16227.00	12	3,0	8,4	M 8	black	5000	10000
16436.00	12	4,0	8,4	M 8	black	10000	10000
16229.00	12	5,0	8,4	M 8	black	10000	-
16230.00	12	7,5	8,4	M 8	black	10000	-
16232.00	12	10,0	8,4	M 8	black	10000	-
16234.00	12	12,5	8,4	M 8	black	10000	10000

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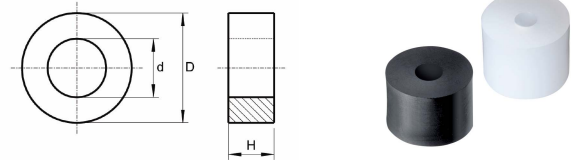
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Spacers

Application: washers / spacers
 Material: PE or PA
 Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16235.00	12	15,0	8,4	M 8	black	10000	10000
16236.00	12	17,5	8,4	M 8	black	10000	10000
16238.00	12	20,0	8,4	M 8	black	10000	-
16239.00	12	22,5	8,4	M 8	black	10000	-
16240.00	12	25,0	8,4	M 8	black	10000	10000
16241.00	12	30,0	8,4	M 8	black	5000	10000
16275.00	15	2,5	8,4	M 8	black	10000	-
16276.00	15	3,0	8,4	M 8	black	10000	-
16277.00	15	5,0	8,4	M 8	black	5000	-
16279.00	15	7,5	8,4	M 8	black	10000	-
16281.00	15	10,0	8,4	M 8	black	5000	-
16282.00	15	12,5	8,4	M 8	black	10000	10000
16283.00	15	15,0	8,4	M 8	black	5000	-
16285.00	15	17,5	8,4	M 8	black	5000	10000
16286.00	15	20,0	8,4	M 8	black	5000	10000
16287.00	15	22,5	8,4	M 8	black	5000	10000
16288.00	15	25,0	8,4	M 8	black	5000	5000
16289.00	15	30,0	8,4	M 8	black	5000	5000
16338.00	20	2,5	8,4	M 8	black	5000	10000
16339.00	20	3,0	8,4	M 8	black	5000	-
16340.00	20	5,0	8,4	M 8	black	5000	-
16342.00	20	7,5	8,4	M 8	black	10000	-
16344.00	20	10,0	8,4	M 8	black	5000	-
16346.00	20	12,5	8,4	M 8	black	5000	-
16347.01	20	15,0	8,4	M 8	black	500	-
16349.00	20	17,5	8,4	M 8	black	5000	-
16350.00	20	20,0	8,4	M 8	black	1000	-
16352.00	20	22,5	8,4	M 8	black	2500	5000
16353.00	20	25,0	8,4	M 8	black	2500	-
16354.00	20	30,0	8,4	M 8	black	2500	-
16384.00	25	2,5	8,4	M 8	black	10000	-

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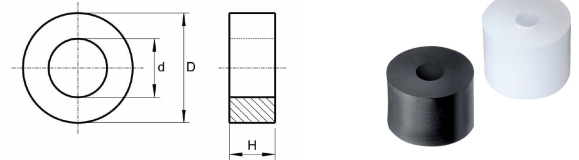
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Spacers

Application: washers / spacers
 Material: PE or PA
 Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16385.00	25	3,0	8,4	M 8	black	10000	-
16386.00	25	5,0	8,4	M 8	black	5000	-
16388.00	25	7,5	8,4	M 8	black	5000	-
16390.00	25	10,0	8,4	M 8	black	2500	-
16392.00	25	12,5	8,4	M 8	black	2500	-
16393.00	25	15,0	8,4	M 8	black	2500	-
16395.00	25	17,5	8,4	M 8	black	2500	2500
16396.00	25	20,0	8,4	M 8	black	2500	-
16397.00	25	22,5	8,4	M 8	black	2000	4000
16398.00	25	25,0	8,4	M 8	black	1000	-
16432.00	25	28,0	8,4	M 8	black	2500	2500
16399.00	25	30,0	8,4	M 8	black	2000	-
16290.00	15	2,5	10,5	M 10	black	10000	-
16291.00	15	3,0	10,5	M 10	black	10000	-
16292.00	15	5,0	10,5	M 10	black	10000	-
16294.00	15	7,5	10,5	M 10	black	10000	10000
16296.00	15	10,0	10,5	M 10	black	5000	-
16298.00	15	12,5	10,5	M 10	black	10000	-
16299.00	15	15,0	10,5	M 10	black	5000	-
16300.00	15	17,5	10,5	M 10	black	5000	5000
16301.00	15	20,0	10,5	M 10	black	5000	10000
16303.00	15	22,5	10,5	M 10	black	5000	5000
16304.00	15	25,0	10,5	M 10	black	5000	10000
16305.00	15	30,0	10,5	M 10	black	2500	-
16356.00	20	2,5	10,5	M 10	black	25000	25000
16357.00	20	3,0	10,5	M 10	black	10000	10000
16358.00	20	5,0	10,5	M 10	black	5000	-
16360.00	20	7,5	10,5	M 10	black	10000	-
16361.00	20	10,0	10,5	M 10	black	5000	-
16363.00	20	12,5	10,5	M 10	black	5000	5000
16364.00	20	15,0	10,5	M 10	black	5000	-

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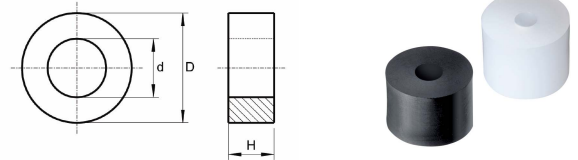
*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

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Spacers

Application: washers / spacers
 Material: PE or PA
 Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16365.00	20	17,5	10,5	M 10	black	5000	10000
16366.00	20	20,0	10,5	M 10	black	2500	-
16367.00	20	22,5	10,5	M 10	black	2500	5000
16368.00	20	25,0	10,5	M 10	black	2500	-
16369.00	20	30,0	10,5	M 10	black	2500	-
16400.00	25	2,5	10,5	M 10	black	10000	10000
16402.00	25	3,0	10,5	M 10	black	10000	-
16403.00	25	5,0	10,5	M 10	black	10000	10000
16405.00	25	7,5	10,5	M 10	black	5000	-
16406.00	25	10,0	10,5	M 10	black	5000	-
16408.00	25	12,5	10,5	M 10	black	1000	-
16409.00	25	15,0	10,5	M 10	black	1000	6000
16411.00	25	17,5	10,5	M 10	black	2000	4000
16412.00	25	20,0	10,5	M 10	black	2500	-
16413.00	25	22,5	10,5	M 10	black	2500	7500
16414.00	25	25,0	10,5	M 10	black	2000	2000
16416.00	25	30,0	10,5	M 10	black	1500	-
16370.00	20	2,5	13,0	M 12	black	10000	10000
16371.00	20	3,0	13,0	M 12	black	5000	5000
16372.00	20	5,0	13,0	M 12	black	10000	10000
16373.00	20	7,5	13,0	M 12	black	10000	-
16375.00	20	10,0	13,0	M 12	black	5000	10000
16376.00	20	12,5	13,0	M 12	black	5000	10000
16377.00	20	15,0	13,0	M 12	black	5000	10000
16379.00	20	17,5	13,0	M 12	black	5000	5000
16380.00	20	20,0	13,0	M 12	black	2500	7500
16381.00	20	22,5	13,0	M 12	black	2500	5000
16382.00	20	25,0	13,0	M 12	black	1000	-
16383.00	20	30,0	13,0	M 12	black	2500	-
16418.00	25	2,5	13,0	M 12	black	10000	10000
16419.00	25	3,0	13,0	M 12	black	10000	10000

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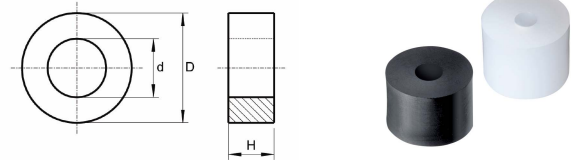
*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

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Spacers

Application: washers / spacers
Material: PE or PA
Standard-Colour: black



Order No.	Outside Ø	Height	Hole Ø	For threads	Colour	PU*	MOQ**
	D	H	d				
16420.00	25	5,0	13,0	M 12	black	10000	-
16422.00	25	7,5	13,0	M 12	black	5000	10000
16423.00	25	10,0	13,0	M 12	black	5000	-
16425.00	25	12,5	13,0	M 12	black	2000	6000
16426.00	25	15,0	13,0	M 12	black	2500	-
16427.00	25	17,5	13,0	M 12	black	2000	6000
16428.00	25	20,0	13,0	M 12	black	2500	5000
16429.00	25	22,5	13,0	M 12	black	2500	5000
16430.00	25	25,0	13,0	M 12	black	2000	4000
16431.00	25	30,0	13,0	M 12	black	2000	4000

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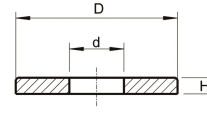
*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

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Washers similar to DIN 125

Application: washers / spacers
 Material: polyamide
 Standard-Colour: uncoloured

TU 1


Order No.	Outside \varnothing	Height	Hole \varnothing	For threads	Colour	PU*	MOQ**
	D	H	d				
16063.00	6,0	0,5	2,5	M 2,3	nature	5000	50000
16064.00	6,0	0,5	2,7	M 2,5	nature	5000	-
16065.00	7,0	0,5	2,8	M 2,6	nature	5000	-
16066.00	7,0	0,5	3,2	M 3,0	nature	5000	10000
16067.00	8,0	0,5	3,7	M 3,5	nature	5000	80000
16068.00	9,0	0,8	4,3	M 4,0	nature	5000	-
16069.01	10,0	1,0	5,3	M 5,0	nature	5000	-
16058.01	12,0	1,5	5,4	M 5,0	nature	25000	25000
16059.00	12,0	1,5	6,5	M 6,0	nature	5000	25000
16070.01	12,0	1,6	6,4	M 6,0	nature	5000	-
16071.00	14,0	1,6	7,4	M 7,0	nature	5000	-
16072.00	16,0	1,6	8,4	M 8,0	nature	5000	-
16060.00	17,0	2,0	8,6	M 8,0	nature	5000	-
16073.00	20,0	2,0	10,5	M 10,0	nature	5000	-
16061.00	21,0	2,5	10,6	M 10,0	nature	5000	20000
16074.00	28,0	2,5	15,0	M 14,0	nature	1000	-
16062.00	30,0	3,0	17,0	M 16,0	nature	1000	10000
16075.01	37,0	3,0	21,0	M 20,0	nature	1000	-
16076.00	39,0	3,0	23,0	M 22,0	nature	1000	-
16077.00	44,0	4,0	25,0	M 24,0	nature	1000	-
16078.00	50,0	4,0	27,0	M 26,0	nature	1000	-
16079.00	50,0	4,0	28,0	M 27,0	nature	1000	-
16080.00	50,0	4,0	29,0	M 28,0	nature	10000	10000
16081.00	56,0	4,0	31,0	M 30,0	nature	1000	-
16082.00	60,0	5,0	33,0	M 32,0	nature	500	-
16083.00	60,0	5,0	34,0	M 33,0	nature	1000	1000
16084.00	66,0	5,0	37,0	M 36,0	nature	500	-
16085.00	72,0	6,0	40,0	M 39,0	nature	500	-
16086.00	72,0	6,0	41,0	M 40,0	nature	500	-

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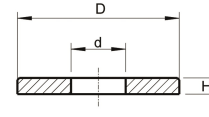
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Washers similar to DIN 433

Application: washers / spacers
Material: polyamide
Standard-Colour: uncoloured

TU 2



Order No.	Outside \varnothing	Height	Hole \varnothing	For threads	Colour	PU*	MOQ**
	D	H	d				
16087.00	6,0	0,5	3,2	M 3,0	nature	5000	-
16089.00	8,0	0,5	4,3	M 4,0	nature	5000	-
16090.00	9,0	1,0	5,3	M 5,0	nature	1000	-
16091.00	11,0	1,6	6,4	M 6,0	nature	2500	-
16092.01	15,0	1,6	8,8	M 8,0	nature	3000	-
16093.00	18,0	1,6	10,5	M 10,0	nature	5000	-
16094.00	20,0	2,0	13,0	M 12,0	nature	1000	-
16095.00	24,0	2,5	15,0	M 14,0	nature	1000	-
16096.00	28,0	2,5	17,0	M 16,0	nature	1000	-
16097.00	30,0	2,5	19,0	M 18,0	nature	1000	-
16098.00	34,0	3,0	21,0	M 20,0	nature	1000	-

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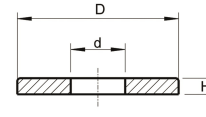
** MOQ: Parts with MOQ, set-up costs may apply.

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Washers similar to DIN 9021

TU 3

Application: washers / spacers
Material: polyamide
Standard-Colour: uncoloured



Order No.	Outside \varnothing	Height	Hole \varnothing	For threads	Colour	PU*	MOQ**
	D	H	d				
16099.00	8,0	0,8	2,7	M 2,5	nature	5000	10000
16100.00	9,0	0,8	3,2	M 3,0	nature	5000	50000
16102.00	12,0	1,0	4,3	M 4,0	nature	5000	-
16103.00	15,0	1,2	5,3	M 5,0	nature	5000	-
16104.00	18,0	1,6	6,4	M 6,0	nature	5000	-
16105.01	24,0	2,0	8,4	M 8,0	nature	5000	-
16106.00	30,0	2,5	10,5	M 10,0	nature	1000	-
16107.00	37,0	3,0	13,0	M 12,0	nature	1000	-
16108.00	44,0	3,0	15,0	M 14,0	nature	1000	-
16109.01	50,0	3,0	17,0	M 16,0	nature	1000	-
16110.00	56,0	4,0	20,0	M 18,0	nature	1000	-
16111.00	60,0	4,0	22,0	M 20,0	nature	1000	-

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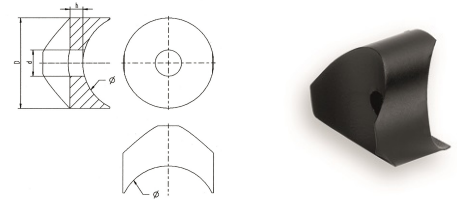
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Double sides spacers

Application: coupling and saddle spacers
Material: polyethylene
Standard-Colour: black



Order No.	Outside Ø	Radius	Height	Hole Ø	Notch for tube Ø	Colour	PU*	MOQ**
		R	h	d				
16859.00	11	6,0	2,5	5,2	12,0-14,0	black	5000	5000
16860.00	15	8,0	7,5	6,2	16,0-20,0	black	5000	5000
16861.00	15	8,0	10,0	6,2	16,0-20,0	black	5000	5000
16862.00	15	8,0	12,5	6,2	16,0-20,0	black	5000	5000
16863.00	15	8,0	15,0	6,2	16,0-20,0	black	5000	5000
16864.00	15	8,0	17,5	6,2	16,0-20,0	black	5000	5000
16865.00	17	9,0	2,5	5,2	18,0-20,0	black	5000	5000
16866.00	17	9,0	2,5	6,2	18,0-20,0	black	5000	5000
16867.00	19	10,0	3,0	5,2	20,0-23,0	black	5000	5000
16868.00	19	10,0	3,0	6,2	20,0-23,0	black	5000	5000
16869.00	19	10,0	11,5	5,2	20,0-23,0	black	5000	5000
16870.00	19	10,0	11,5	6,2	20,0-23,0	black	5000	5000
16871.00	22	12,0	3,0	6,2	24,0-26,0	black	5000	5000
16872.00	22	12,0	3,0	8,2	24,0-26,0	black	5000	5000
16873.00	22	12,5	3,0	8,2	25,0-28,0	black	5000	5000
16874.00	22	12,5	5,0	8,2	25,0-28,0	black	2500	5000
16875.00	22	12,5	7,5	8,2	25,0-28,0	black	2500	2500
16876.00	22	12,5	10,0	8,2	25,0-28,0	black	2500	2500
16877.00	22	12,5	12,5	8,2	25,0-28,0	black	2500	2500
16878.00	22	12,5	15,0	8,2	25,0-28,0	black	2000	2000
16879.00	22	12,5	17,5	8,2	25,0-28,0	black	2000	2000
16880.00	22	12,5	20,0	8,2	25,0-28,0	black	2000	2000
16881.00	22	12,5	22,5	8,2	25,0-28,0	black	2000	2000
16882.00	22	12,5	25,0	8,2	25,0-28,0	black	2000	2000
16883.00	22	12,5	27,5	8,2	25,0-28,0	black	2000	2000
16884.00	22	12,5	30,0	8,2	25,0-28,0	black	2000	2000
16885.00	25	14,5	3,0	8,2	29,0-32,0	black	2500	2500
16886.00	25	14,5	5,0	8,2	29,0-32,0	black	2500	2500
16887.00	25	14,5	7,5	8,2	29,0-32,0	black	2500	2500
16888.00	25	14,5	10,0	8,2	29,0-32,0	black	2500	2500
16889.00	25	14,5	12,5	8,2	29,0-32,0	black	2500	2500

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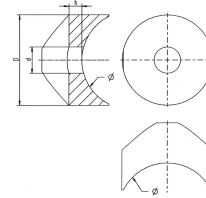
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Double sides spacers

Application: coupling and saddle spacers
Material: polyethylene
Standard-Colour: black



Order No.	Outside \varnothing	Radius	Height	Hole \varnothing	Notch for tube \varnothing	Colour	PU*	MOQ**
		R	h	d				
16890.00	25	14,5	15,0	8,2	29,0-32,0	black	2500	2500
16891.00	25	14,5	17,5	8,2	29,0-32,0	black	2000	2000
16892.00	25	14,5	20,0	8,2	29,0-32,0	black	2000	2000
16893.00	25	14,5	22,5	8,2	29,0-32,0	black	2000	2000
16894.00	25	14,5	25,0	8,2	29,0-32,0	black	2000	2000
16895.00	25	14,5	27,5	8,2	29,0-32,0	black	2000	2000
16896.00	25	14,5	30,0	8,2	29,0-32,0	black	1000	1000
16897.00	28	15,0	3,5	6,2	30,0-34,0	black	2500	2500
16898.00	28	15,0	3,5	8,2	30,0-34,0	black	2500	2500
16899.00	28	15,0	3,5	10,2	30,0-34,0	black	2500	2500
16900.00	35	19,0	5,0	6,2	38,0-42,0	black	2000	2000
16901.00	35	19,0	5,0	8,2	38,0-42,0	black	2000	2000
16902.00	35	19,0	5,0	10,2	38,0-42,0	black	2000	2000

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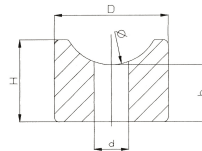
*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

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Saddle spacers

Application: coupling and saddle spacers
 Material: polyethylene
 Standard-Colour: black



Order No.	Outside \varnothing	Height	Height	Hole \varnothing	Notch for tube \varnothing	Colour	PU*	MOQ**
		H	h	d				
16853.00	15	20,0	17,5	6,2	16,0-20,0	black	5000	10000
16854.00	15	10,0	7,5	6,2	16,0-20,0	black	5000	10000
16855.00	15	12,5	10,0	6,2	16,0-20,0	black	10000	-
16856.00	15	15,0	12,5	6,2	16,0-20,0	black	5000	10000
16857.00	15	17,5	15,0	6,2	16,0-20,0	black	5000	-
13866.00	18	25,0	17,0	6,7	18,0-20,0	black	500	3000
13868.00	23	16,0	11,5	6,8	20,0-23,0	black	1000	1000
13867.00	23	16,0	11,5	4,1***	20,0-23,0	black	5000	5000

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Saddle spacers

Application: coupling and saddle spacers
Material: polyethylene
Standard-Colour: black



Order No.	Outside Ø	Radius	Height	Hole Ø	Notch for tube Ø	Colour	PU*	MOQ**
		R	H	d				
16809.00	11	6,0	2,5	5,2	12,0-14,0	black	10000	10000
16810.01	15	8,0	7,5	6,2	16,0-20,0	black	10000	10000
16811.00	15	8,0	10,0	6,2	16,0-20,0	black	10000	-
16812.00	15	8,0	12,5	6,2	16,0-20,0	black	10000	10000
16813.00	15	8,0	15,0	6,2	16,0-20,0	black	5000	5000
16814.00	15	8,0	17,5	6,2	16,0-20,0	black	3000	3000
16815.00	17	9,0	2,5	5,2	18,0-20,0	black	10000	10000
16816.00	17	9,0	2,5	6,2	18,0-20,0	black	10000	-
16817.00	19	10,0	3,0	5,2	20,0-23,0	black	5000	-
16818.00	19	10,0	3,0	6,2	20,0-23,0	black	10000	-
16819.00	19	10,0	11,5	5,2	20,0-23,0	black	5000	-
16820.00	19	10,0	11,5	6,2	20,0-23,0	black	5000	-
16821.00	22	12,0	3,0	6,2	24,0-26,0	black	10000	10000
16822.00	22	12,0	3,0	8,2	24,0-26,0	black	10000	-
16823.00	22	12,5	3,0	8,2	25,0-28,0	black	5000	-
16824.00	22	12,5	5,0	8,2	25,0-28,0	black	5000	-
16825.00	22	12,5	7,5	8,2	25,0-28,0	black	2500	2500
16826.00	22	12,5	10,0	8,2	25,0-28,0	black	2500	-
16827.00	22	12,5	12,5	8,2	25,0-28,0	black	2500	2500
16828.00	22	12,5	15,0	8,2	25,0-28,0	black	2500	2500
16829.00	22	12,5	17,5	8,2	25,0-28,0	black	2000	2000
16830.00	22	12,5	20,0	8,2	25,0-28,0	black	1000	2000
16831.00	22	12,5	22,5	8,2	25,0-28,0	black	2500	2500
16832.00	22	12,5	25,0	8,2	25,0-28,0	black	2500	2500
16833.00	22	12,5	27,5	8,2	25,0-28,0	black	2000	2000
16834.00	22	12,5	30,0	8,2	25,0-28,0	black	2000	2000
16835.00	25	14,5	3,0	8,2	29,0-32,0	black	5000	5000
16836.00	25	14,5	5,0	8,2	29,0-32,0	black	5000	5000
16837.00	25	14,5	7,5	8,2	29,0-32,0	black	2500	2500
16838.00	25	14,5	10,0	8,2	29,0-32,0	black	2500	2500
16839.00	25	14,5	12,5	8,2	29,0-32,0	black	2500	2500

Please note that the product illustrations are exemplary images that could deviate from the ordered/delivered products.

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*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

** MOQ: Parts with MOQ, set-up costs may apply.

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Saddle spacers

Application: coupling and saddle spacers
Material: polyethylene
Standard-Colour: black



Order No.	Outside \varnothing	Radius	Height	Hole \varnothing	Notch for tube \varnothing	Colour	PU*	MOQ**
		R	H	d				
16840.00	25	14,5	15,0	8,2	29,0-32,0	black	2500	2500
16841.00	25	14,5	17,5	8,2	29,0-32,0	black	2500	2500
16842.00	25	14,5	20,0	8,2	29,0-32,0	black	1000	2000
16843.00	25	14,5	22,5	8,2	29,0-32,0	black	2000	2000
16844.00	25	14,5	25,0	8,2	29,0-32,0	black	2000	2000
16845.00	25	14,5	27,5	8,2	29,0-32,0	black	1000	1000
16846.00	25	14,5	30,0	8,2	29,0-32,0	black	1000	1000
16847.00	28	15,0	3,5	6,2	30,0-34,0	black	5000	-
16848.00	28	15,0	3,5	8,2	30,0-34,0	black	5000	-
16849.00	28	15,0	3,5	10,2	30,0-34,0	black	5000	-
16850.00	35	19,0	5,0	6,2	38,0-42,0	black	2500	-
16851.00	35	19,0	5,0	8,2	38,0-42,0	black	2500	-
16852.00	35	19,0	5,0	10,2	38,0-42,0	black	2500	-

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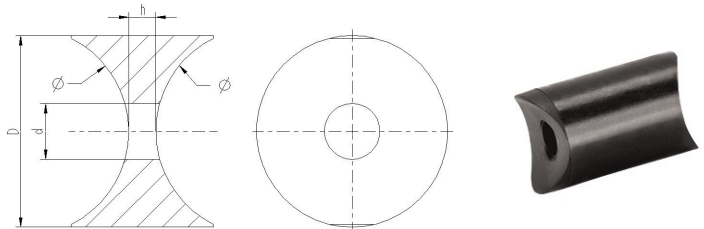
*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

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Saddle spacers

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Material: polyethylene
Standard-Colour: black



Order No.	Outside Ø	Radius	Height	Hole Ø	Notch for tube Ø	Colour	PU*	MOQ**
		R	h	d				
16903.00	11	6,0	2,5	5,2	12,0-14,0	black	10000	10000
16904.00	15	8,0	7,5	6,2	16,0-20,0	black	10000	10000
16905.00	15	8,0	10,0	6,2	16,0-20,0	black	10000	10000
16906.00	15	8,0	12,5	6,2	16,0-20,0	black	10000	10000
16907.00	15	8,0	15,0	6,2	16,0-20,0	black	5000	5000
16908.00	15	8,0	17,5	6,2	16,0-20,0	black	2500	2500
16909.00	17	9,0	2,5	5,2	18,0-20,0	black	10000	10000
16910.00	17	9,0	2,5	6,2	18,0-20,0	black	10000	10000
16911.00	19	10,0	3,0	5,2	20,0-23,0	black	5000	5000
16912.00	19	10,0	3,0	6,2	20,0-23,0	black	5000	5000
16913.00	19	10,0	11,5	5,2	20,0-23,0	black	2500	2500
16914.00	19	10,0	11,5	6,2	20,0-23,0	black	2500	-
16915.00	22	12,0	3,0	6,2	24,0-26,0	black	5000	5000
16916.00	22	12,0	3,0	8,2	24,0-26,0	black	5000	5000
16917.00	22	12,5	3,0	8,2	25,0-28,0	black	5000	5000
16918.00	22	12,5	5,0	8,2	25,0-28,0	black	5000	5000
16919.00	22	12,5	7,5	8,2	25,0-28,0	black	5000	5000
16920.00	22	12,5	10,0	8,2	25,0-28,0	black	5000	5000
16921.00	22	12,5	12,5	8,2	25,0-28,0	black	2500	2500
16922.00	22	12,5	15,0	8,2	25,0-28,0	black	2500	2500
16923.00	22	12,5	17,5	8,2	25,0-28,0	black	2500	2500
16924.00	22	12,5	20,0	8,2	25,0-28,0	black	2500	2500
16925.00	22	12,5	22,5	8,2	25,0-28,0	black	2500	2500
16926.00	22	12,5	25,0	8,2	25,0-28,0	black	2500	2500
16927.00	22	12,5	27,5	8,2	25,0-28,0	black	2000	2000
16928.00	22	12,5	30,0	8,2	25,0-28,0	black	2000	2000
16929.00	25	14,5	3,0	8,2	29,0-32,0	black	2500	2500
16930.00	25	14,5	5,0	8,2	29,0-32,0	black	2500	2500
16931.00	25	14,5	7,5	8,2	29,0-32,0	black	2000	4000
16932.00	25	14,5	10,0	8,2	29,0-32,0	black	2000	4000
16933.00	25	14,5	12,5	8,2	29,0-32,0	black	2500	2500

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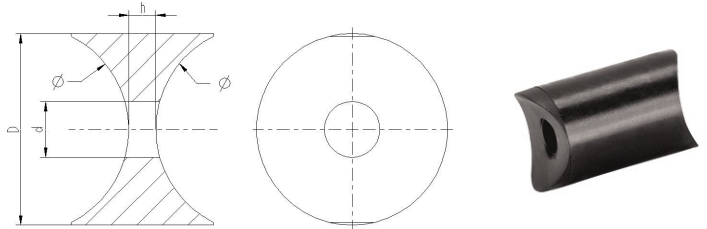
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Saddle spacers

Application: coupling and saddle spacers
Material: polyethylene
Standard-Colour: black



Order No.	Outside Ø	Radius	Height	Hole Ø	Notch for tube Ø	Colour	PU*	MOQ**
		R	h	d				
16934.00	25	14,5	15,0	8,2	29,0-32,0	black	2000	2000
16935.00	25	14,5	17,5	8,2	29,0-32,0	black	2000	2000
16936.00	25	14,5	20,0	8,2	29,0-32,0	black	2000	2000
16937.00	25	14,5	22,5	8,2	29,0-32,0	black	2000	2000
16938.00	25	14,5	25,0	8,2	29,0-32,0	black	2000	2000
16939.00	25	14,5	27,5	8,2	29,0-32,0	black	1000	1000
16940.00	25	14,5	30,0	8,2	29,0-32,0	black	1000	1000
16941.00	28	15,0	3,5	6,2	30,0-34,0	black	1000	1000
16942.00	28	15,0	3,5	8,2	30,0-34,0	black	5000	5000
16943.00	28	15,0	3,5	10,2	30,0-34,0	black	5000	5000
16944.00	35	19,0	5,0	6,2	38,0-42,0	black	2500	2500
16945.00	35	19,0	5,0	8,2	38,0-42,0	black	2500	2500
16946.00	35	19,0	5,0	10,2	38,0-42,0	black	2500	2500

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