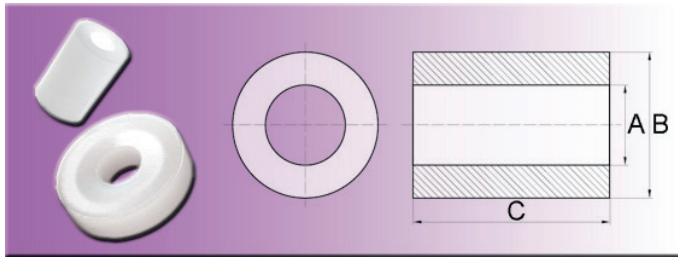


Spacers | bushings | PA

 Material: PA
 Colour: natural

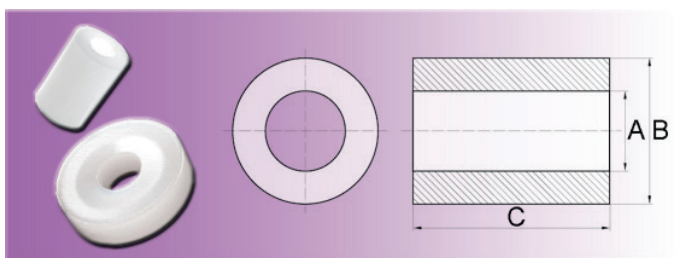
Further types on written request.

Part no.	A	B	C	Part no.	A	B	C	Part no.	A	B	C
0052000	2,6	4	2,0	0053242	3,2	6	12,0	0054280	4,2	8	10,0
0052030	2,6	4	3,0	0053260	3,2	6	15,0	0054292	4,3	8	12,0
0052060	2,6	4	5,0	0053278	3,2	6	18,0	0054310	4,2	8	15,0
0052090	2,6	4	7,5	0053290	3,2	6	20,0	0054328	4,3	8	18,0
0052120	2,6	4	10,0	0053320	3,2	6	25,0	0054340	4,3	8	20,0
0052150	2,6	4	15,0	0053350	3,1	6	30,0	0054370	4,2	8	25,0
0052180	2,6	4	20,0	0053480	3,2	8	3,0	0054400	4,2	8	30,0
0052210	2,6	4	25,0	0053510	3,2	8	5,0	0054410	4,2	8	35,0
0052240	2,6	4	30,0	0053540	3,2	8	7,5	0054420	4,2	8	40,0
0052370	2,6	5	2,0	0053570	3,2	8	10,0	0054530	5,3	10	3,0
0052400	2,6	5	3,0	0053600	3,2	8	15,0	0054545	5,3	10	4,0
0052430	2,6	5	5,0	0053630	3,2	8	20,0	0054560	5,3	10	5,0
0052520	2,6	5	15,0	0053660	3,2	8	25,0	0054590	5,3	10	7,5
0052550	2,6	5	20,0	0053690	3,2	8	30,0	0054596	5,3	10	8,0
0052580	2,6	5	25,0	0053820	3,6	6	2,0	0054620	5,3	10	10,0
0052610	2,6	5	30,0	0053850	3,6	6	3,0	0054632	5,3	10	12,0
0052740	3,2	5	2,0	0053865	3,6	6	4,0	0054650	5,3	10	15,0
0052770	3,2	5	3,0	0053880	3,6	6	5,0	0054668	5,3	10	18,0
0052800	3,2	5	5,0	0053910	3,6	6	7,5	0054680	5,3	10	20,0
0052830	3,1	5	7,5	0053916	3,6	6	8,0	0054710	5,3	10	25,0
0052860	3,2	5	10,0	0053940	3,6	6	10,0	0054740	5,3	10	30,0
0052890	3,2	5	15,0	0053952	3,6	6	12,0	0054870	6,4	10	3,0
0052920	3,2	5	20,0	0053970	3,6	6	15,0	0054900	6,4	10	5,0
0052950	3,2	5	25,0	0053988	3,6	6	18,0	0054930	6,4	10	7,5
0052980	3,2	5	30,0	0054000	3,6	6	20,0	0054960	6,4	10	10,0
0053110	3,2	6	2,0	0054030	3,6	6	25,0	0054990	6,4	10	15,0
0053140	3,2	6	3,0	0054060	3,6	6	30,0	0055020	6,4	10	20,0
0053155	3,2	6	4,0	0054190	4,3	8	3,0	0055050	6,4	10	25,0
0053170	3,2	6	5,0	0054205	4,3	8	4,0	0055080	6,4	10	30,0
0053182	3,2	6	6,0	0054220	4,3	8	5,0	0055210	6,4	15	3,0
0053200	3,2	6	7,5	0054232	4,3	8	6,0	0055240	6,4	15	5,0
0053206	3,2	6	8,0	0054250	4,2	8	7,5	0055270	6,4	15	7,5
0053230	3,2	6	10,0	0054256	4,3	8	8,0	0055300	6,4	15	10,0

Connecting & fastening components

Part no.	A	B	C	Part no.	A	B	C	Part no.	A	B	C
0055330	6,4	15	15,0	0056290	10,5	15	7,5	0057400	12,6	25	5,0
0055360	6,4	15	20,0	0056320	10,5	15	10,0	0057430	12,6	25	10,0
0055390	6,4	15	25,0	0056350	10,5	15	15,0	0057460	12,6	25	15,0
0055420	6,4	15	30,0	0056380	10,5	15	20,0	0057490	12,6	25	20,0
0055550	8,2	12	3,0	0056410	10,5	15	25,0	0057520	12,6	25	25,0
0055580	8,2	12	5,0	0056440	10,5	15	30,0	0057550	12,6	25	30,0
0055610	8,2	12	7,5	0056460	10,3	15	40,0	0057580	12,6	25	35,0
0055640	8,2	12	10,0	0056600	10,5	22	5,0	0057610	12,6	25	40,0
0055670	8,2	12	15,0	0056630	10,5	22	10,0	0057640	12,6	25	45,0
0055700	8,2	12	20,0	0056690	10,5	22	15,0	0057670	12,5	25	50,0
0055730	8,2	12	25,0	0056710	10,5	22	20,0	0058196	16,5	25	5,0
0055760	8,2	12	30,0	0056750	10,5	22	25,0	0058216	16,5	25	10,0
0055780	8,2	12	35,0	0056780	10,5	22	30,0	0058236	16,5	25	15,0
0055800	8,2	12	40,0	0056810	10,5	22	35,0	0058256	16,5	25	20,0
0055890	8,4	18	3,0	0056840	10,6	22	40,0	0058276	16,5	25	25,0
0055920	8,4	18	5,0	0056870	10,3	22	45,0	0058296	16,5	25	30,0
0055950	8,4	18	8,0	0056900	10,6	22	50,0	0058316	16,5	25	35,0
0055980	8,4	18	10,0	0057030	12,8	18	3,0	0058336	16,5	25	40,0
0056010	8,4	18	15,0	0057060	12,8	18	5,0	0058356	16,5	25	45,0
0056040	8,4	18	20,0	0057090	12,8	18	7,5	0058376	16,5	25	50,0
0056070	8,4	18	25,0	0057120	12,8	18	10,0	0058396	16,5	25	55,0
0056100	8,4	18	30,0	0057150	12,8	18	15,0	0058416	16,5	25	60,0
0056110	8,2	18	40,0	0057180	12,8	18	20,0	0058436	16,5	25	65,0
0056230	10,5	15	3,0	0057210	12,8	18	25,0				
0056260	10,4	15	5,0	0057240	12,8	18	30,0				

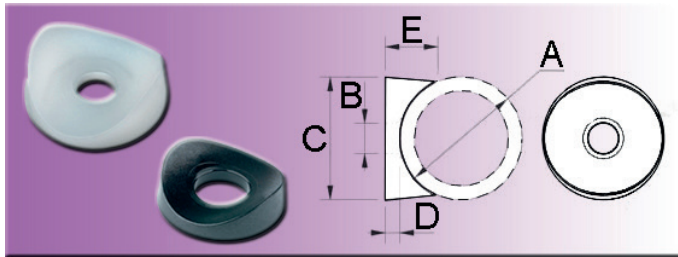
Spacers | bushings | POM



Material: POM
 Colour: natural

Further types on written request.

Part no.	A	B	C	Part no.	A	B	C	Part no.	A	B	C
0051500	no longer available			0051548	2,2	4	10,0	0051638	2,2	4	25,0
0051506	2,2	4	3,0	0051560	2,2	4	12,0	0051668	2,2	4	30,0
0051512	2,2	4	4,0	0051578	2,2	4	15,0	0052460	2,6	5	7,5
0051518	2,2	4	5,0	0051596	2,2	4	18,0	0052490	2,6	5	10,0
0051536	2,2	4	8,0	0051608	2,2	4	20,0				

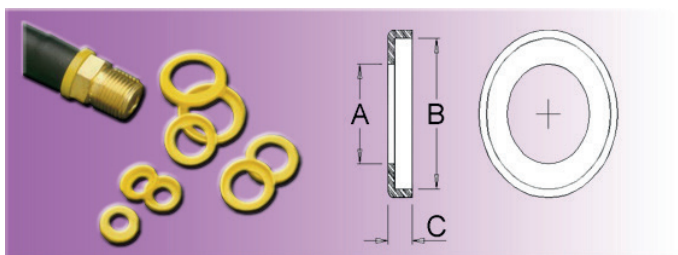
Spacers | bushings | Saddle washers


Self-lubricating polyamide, ideal for pivotal points.

 Material: PA 6
 Colour:
 without last digits = natural
 last digits 599 = black

Part no.	A	B	C	D	E
1020110	9-11	3,3	10,0	2,0	4,2
1020110599	9-11	3,3	10,0	2,0	4,2
1020130	12-14	4,2	13,0	2,2	5,5
1020130599	12-14	4,2	13,0	2,2	5,5
1020140	12-14	5,2	13,0	2,2	5,5
1020140599	12-14	5,2	13,0	2,2	5,5
1020160	15-17	5,0	16,0	2,4	6,8
1020160599	15-17	5,0	16,0	2,4	6,8
1020190	18-20	5,2	19,0	2,7	8,0
1020190599	18-20	5,2	19,0	2,7	8,0
1020200	18-20	6,2	19,0	2,7	8,0
1020200599	18-20	6,2	19,0	2,7	8,0
1020220	21-23	5,2	22,0	3,0	9,0
1020220599	21-23	5,2	22,0	3,0	9,0
1020230	21-23	6,2	22,0	3,0	9,0
1020230599	21-23	6,2	22,0	3,0	9,0
1020240	21-23	8,2	22,0	3,0	9,0
1020240599	21-23	8,2	22,0	3,0	9,0

Part no.	A	B	C	D	E
1020250	24-26	6,2	25,0	3,1	10,0
1020250599	24-26	6,2	25,0	3,1	10,0
1020260	24-26	8,3	25,0	3,1	10,0
1020260599	24-26	8,3	25,0	3,1	10,0
1020280	27-29	6,2	28,0	3,3	11,0
1020280599	27-29	6,2	28,0	3,3	11,0
1020290	27-29	8,3	28,0	3,3	11,0
1020290599	27-29	8,3	28,0	3,3	11,0
1020320	30-34	8,3	32,0	3,4	12,0
1020320599	30-34	8,3	32,0	3,4	12,0
1020330	30-34	10,4	32,0	3,4	12,0
1020330599	30-34	10,4	32,0	3,4	12,0
1020550	50-60	6,6	40,0	5,0	12,0
1020550599	50-60	6,6	40,0	5,0	12,0
1020560	50-60	16,5	40,0	5,0	12,0
1020560599	50-60	16,5	40,0	5,0	12,0
1020570	50-60	10,4	40,0	5,0	12,0
1020570599	50-60	10,4	40,0	5,0	12,0

Spacers | bushings | Coding rings with flange


Washers with flange

 Wall thickness: 8.13 mm
 Material: LDPE
 Colour: yellow

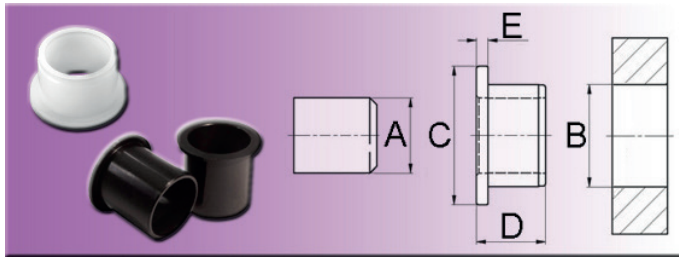
 Discontinued item - available
 as long as stocks last!

Part no.	A	B	C
0840006	8,23	14,86	4,37
0840007	no longer available!		

Part no.	A	B	C
0840008	11,43	19,69	4,37
0840010	14,74	22,23	4,37

Part no.	A	B	C
0840013	no longer available!		
0840015	no longer available!		

Bush bearings | with collar



Suitable for all rotating and moving parts. Ideal for silent hinges and low-speed machines. Electrical insulation between shaft and bearing housing.

Material: PA 6.6
Colour: natural

Due to its gliding properties and high wear resistance, polyamide is also very applicable during dry running. Resistant to fouling, atmospheric influences and to the majority of chemicals. After assembly the bearing clearance is approx. 1% of the shaft diameter.

Further types or materials, e. g. black colour, on written request.

Part no.	A	B	C	D	E
0080300	3,0	5	8,0	7,0	2,0
0080400	4,0	6	9,0	8,0	2,0
0080500	5,0	8	11,0	10,0	2,0
0080601	6,0	8	10,0	10,0	2,0
0080610	6,0	9	12,0	6,0	2,0
0080600	6,0	9	12,0	11,0	2,0
0080609	6,0	10	15,0	8,0	1,5
0080603	6,0	10	15,0	10,0	1,5
0080811	8,0	11	16,0	7,0	2,0
0080800	8,0	11	16,0	13,0	2,0
0080809	8,0	12	16,0	6,0	2,0
0080812	8,0	12	16,0	12,0	2,0
0080810	8,0	14	20,0	10,0	2,0
0080813	8,0	14	20,0	12,0	2,0
0081010	10,0	12	16,0	6,0	2,0
0081009	10,0	12	16,0	12,0	2,0
0081014	10,0	13	18,0	8,0	2,0
0081000	10,0	13	18,0	15,0	3,0
0081016	10,0	13	21,0	16,0	3,0
0081011	10,0	14	20,0	10,0	2,0
0081013	10,0	14	20,0	12,0	2,0
0081015	10,0	16	20,0	10,0	2,0
0081012	10,0	16	21,0	10,0	2,0
0081017	10,0	16	20,0	12,0	2,0
0081018	10,0	18	24,0	20,0	4,0
0081206	12,0	14	20,0	10,0	2,0
0081208	12,0	14	20,0	12,0	2,0
0081201	12,0	16	20,0	10,0	2,0
0081207	12,0	16	21,0	10,0	2,0

Part no.	A	B	C	D	E
0081202	12,0	16	20,0	12,0	2,0
0081200	12,0	16	21,0	19,0	3,0
0081203	12,0	18	24,0	20,0	4,0
0081204	12,0	22	30,0	20,0	4,0
0081300	13,0	17	24,0	20,0	4,0
0081301	13,0	20	28,0	20,0	4,0
0081401	14,0	17	24,0	20,0	4,0
0081400	14,0	18	28,0	21,0	3,0
0081402	14,0	20	28,0	20,0	4,0
0081403	14,0	20	30,0	20,0	4,0
0081404	14,0	20	30,0	24,0	2,0
0081405	14,0	22	30,0	20,0	4,0
0081406	14,0	24	30,0	20,0	4,0
0081500	15,0	20	28,0	20,0	4,0
0081501	15,0	20	30,0	20,0	4,0
0081502	15,0	22	30,0	20,0	4,0
0081503	15,0	25	30,0	20,0	4,0
0081603	16,0	20	28,0	15,0	2,0
0081602	16,0	20	28,0	20,0	4,0
0081605	16,0	20	30,0	20,0	4,0
0081600	16,0	20	28,0	22,0	2,0
0081604	16,0	22	30,0	15,0	2,0
0081606	16,0	22	30,0	20,0	4,0
0081607	16,0	24	30,0	15,0	2,0
0081608	16,0	24	30,0	20,0	4,0
0081609	16,0	25	30,0	20,0	4,0
0081610	16,0	26	30,0	20,0	4,0
0081611	16,0	26	32,0	20,0	4,0
0081801	18,0	22	30,0	20,0	4,0

Connecting & fastening components

Part no.	A	B	C	D	E
0081800	18,0	22	30,0	25,0	2,5
0081804	18,0	24	30,0	20,0	4,0
0081805	18,0	25	30,0	20,0	4,0
0081806	18,0	26	30,0	20,0	4,0
0081807	18,0	26	32,0	20,0	4,0
0081803	18,5	20	23,5	7,5	1,4
0082002	20,0	24	30,0	15,0	2,0
0082001	20,0	24	30,0	20,0	4,0
0082000	20,0	24	30,0	26,0	3,0
0082003	20,0	25	30,0	15,0	2,0
0082005	20,0	25	30,0	20,0	4,0
0082006	20,0	26	30,0	12,0	2,0
0082004	20,0	26	32,0	15,0	2,0
0082007	20,0	26	30,0	20,0	4,0
0082008	20,0	26	32,0	20,0	3,0
0082009	20,0	28	34,0	20,0	4,0
0082010	20,0	30	36,0	20,0	3,0
0082011	20,0	30	36,0	24,0	4,0
0082200	22,0	25	30,0	20,0	4,0
0082201	22,0	26	30,0	20,0	4,0
0082202	22,0	26	32,0	20,0	4,0
0082203	22,0	28	34,0	20,0	4,0
0082204	22,0	30	36,0	24,0	4,0
0082205	22,0	32	40,0	24,0	4,0
0082401	24,0	30	36,0	24,0	4,0
0082400	24,0	30	37,0	30,0	3,0
0082402	24,0	32	40,0	24,0	4,0
0082403	24,0	35	45,0	24,0	4,0
0082501	25,0	30	36,0	20,0	3,0
0082502	25,0	30	36,0	24,0	4,0
0082500	25,0	30	37,0	30,0	2,5
0082503	25,0	32	40,0	20,0	3,0
0082504	25,0	32	40,0	24,0	4,0
0082505	25,0	35	45,0	20,0	3,0
0082506	25,0	35	45,0	24,0	4,0
0082508	25,0	36	45,0	24,0	4,0
0082507	25,0	35	45,0	30,0	4,0
0082600	26,0	32	40,0	24,0	4,0
0082601	26,0	35	45,0	24,0	4,0
0082602	26,0	36	45,0	24,0	4,0
0082603	26,0	38	48,0	24,0	4,0

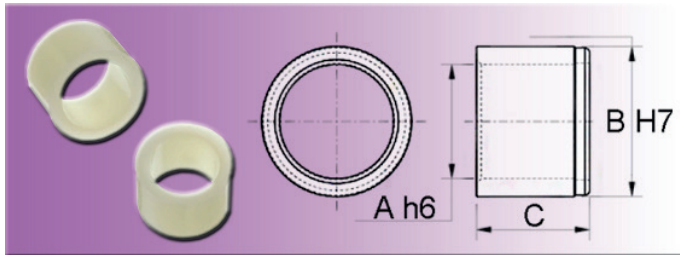
Part no.	A	B	C	D	E
0082802	28,0	32	40,0	24,0	4,0
0082803	28,0	32	40,0	30,0	4,0
0082800	28,0	33	40,0	33,0	2,5
0082804	28,0	35	45,0	24,0	4,0
0082805	28,0	35	45,0	30,0	4,0
0082806	28,0	36	45,0	24,0	4,0
0082807	28,0	38	48,0	24,0	4,0
0082808	28,0	38	48,0	30,0	4,0
0082801	28,0	40	50,0	24,0	4,0
0083001	30,0	32	40,0	24,0	4,0
0083002	30,0	32	40,0	30,0	4,0
0083000	30,0	35	42,0	35,0	2,5
0083007	30,0	35	45,0	30,0	4,0
0083003	30,0	36	45,0	24,0	4,0
0083004	30,0	38	48,0	24,0	4,0
0083005	30,0	38	48,0	30,0	4,0
0083006	30,0	40	50,0	24,0	4,0
0083201	32,0	35	45,0	24,0	4,0
0083202	32,0	35	45,0	30,0	4,0
0083203	32,0	36	45,0	24,0	4,0
0083204	32,0	38	48,0	24,0	4,0
0083205	32,0	38	48,0	30,0	4,0
0083206	32,0	40	50,0	24,0	4,0
0083207	32,0	40	50,0	30,0	4,0
0083208	32,0	44	54,0	40,0	5,0
0083300	33,0	40	50,0	24,0	4,0
0083302	33,0	44	54,0	40,0	5,0
0083601	36,0	44	54,0	40,0	5,0
0083602	36,0	48	58,0	40,0	5,0
0083800	38,0	44	54,0	40,0	5,0
0083801	38,0	48	58,0	40,0	5,0
0083802	38,0	50	60,0	40,0	5,0
0084001	40,0	44	54,0	40,0	5,0
0084000	40,0	46	55,0	46,0	3,0
0084002	40,0	48	58,0	40,0	5,0
0084003	40,0	50	60,0	40,0	5,0
0084004	40,0	56	70,0	40,0	5,0
0084200	42,0	48	58,0	40,0	5,0
0084201	42,0	50	60,0	40,0	5,0
0084202	42,0	56	70,0	40,0	5,0
0084500	45,0	56	70,0	40,0	5,0

Connecting & fastening components

Part no.	A	B	C	D	E
0084501	45,0	60	70,0	40,0	5,0
0084800	48,0	56	70,0	40,0	5,0
0084801	48,0	60	70,0	40,0	5,0
0085000	50,0	56	67,0	50,0	3,5
0085001	50,0	56	70,0	40,0	5,0

Part no.	A	B	C	D	E
0085002	50,0	56	70,0	50,0	5,0
0085003	50,0	60	70,0	40,0	5,0
0085004	50,0	60	70,0	50,0	5,0
0086000	60,0	68	81,0	50,0	4,0

Bush bearings | without collar



Suitable for all rotating and moving parts. Ideal for silent hinges and low-speed machines. Electrical insulation between shaft and bearing housing.

Material: PA 6.6
 Colour: natural

Due to its gliding properties and high wear resistance, polyamide is also very applicable during dry running. Resistant to fouling, atmospheric influences and to the majority of chemicals. After assembly the bearing clearance is approx. 1% of the shaft diameter.

Further types or materials on written request.

Part no.	A	B	C
1030812	8	12	10
1030814	8	14	10
1031012	10	12	10
1031014	10	14	10
1031016	10	16	10
1031214	12	14	10
1031216	12	16	10
1031218	12	18	14
1031520	15	20	15
1031522	15	22	15
1031525	15	25	15
1031620	16	20	15
1031622	16	22	15

Part no.	A	B	C
1031624	16	24	15
1032024	20	24	15
1032025	20	25	15
1032026	20	26	20
1032028	20	28	20
1032030	20	30	20
1032530	25	30	20
1032531	25	30	32
1032532	25	32	20
1032535	25	35	20
1032832	28	32	20
1032835	28	35	20
1032838	28	38	19

Part no.	A	B	C
1033035	30	35	20
1033036	30	36	30
1033040	30	40	30
1033236	32	36	30
1033240	32	40	30
1034045	40	45	40
1034048	40	48	40
1034050	40	50	40
1035056	50	56	50
1035060	50	60	50
1035462	54	62	60