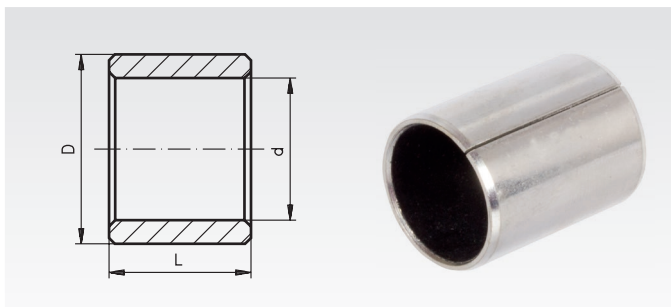


Cylindrical Bushes, Slotted (Without Any Lubrication)



Plain bearing bush from steel sheet with multi-porous bronze layer and sliding surface from PTFE-lead-compound. Specially suited for lubrication-free running, for high loads, extrem temperatures.

Ordering Details: e.g.: Product No. 624 003 04, Cylindrical Bush, 3 mm Bore

Product No.	d x D x L mm	Weight g	Product No.	d x D x L mm	Weight g
624 003 04	3 x 4,5 x 4	0,1	624 016 20	16 x 18 x 20	8,1
624 003 05	3 x 4,5 x 5	0,3	624 016 25	16 x 18 x 25	10,1
624 003 06	3 x 4,5 x 6	0,4	624 018 20	18 x 20 x 20	8,9
624 004 04	4 x 5,5 x 4	0,3	624 020 10	20 x 23 x 10	8,8
624 004 06	4 x 5,5 x 6	0,6	624 020 12	20 x 23 x 12	8,8
624 004 08	4 x 5,5 x 8	0,9	624 020 15	20 x 23 x 15	11,6
624 005 05	5 x 7,0 x 5	0,7	624 020 20	20 x 23 x 20	15,1
624 005 08	5 x 7,0 x 8	1,1	624 020 30	20 x 23 x 30	23,0
624 006 05	6 x 8,0 x 5	0,7	624 022 20	22 x 25 x 20	16,6
624 006 06	6 x 8,0 x 6	0,9	624 024 25	24 x 27 x 25	23,8
624 006 10	6 x 8,0 x 10	1,7	624 025 15	25 x 28 x 15	14,2
624 007 10	7 x 9,0 x 10	1,8	624 025 20	25 x 28 x 20	10,0
624 008 06	8 x 10 x 6	1,2	624 025 25	25 x 28 x 25	23,9
624 008 08	8 x 10 x 8	1,7	624 025 30	25 x 28 x 30	28,4
624 008 10	8 x 10 x 10	2,1	624 025 40	25 x 28 x 40	37,3
624 009 10	9 x 11 x 10	2,2	624 026 15	26 x 30 x 15	15,6
624 010 06	10 x 12 x 6	1,9	624 026 20	26 x 30 x 20	26,1
624 010 08	10 x 12 x 8	2,0	624 026 30	26 x 30 x 30	39,0
624 010 10	10 x 12 x 10	2,5	624 028 20	28 x 32 x 20	28,8
624 010 12	10 x 12 x 12	2,9	624 028 25	28 x 32 x 25	39,0
624 010 15	10 x 12 x 15	3,8	624 030 12	30 x 34 x 12	17,5
624 010 20	10 x 12 x 20	5,3	624 030 15	30 x 34 x 15	22,9
624 012 06	12 x 14 x 6	1,7	624 030 20	30 x 34 x 20	30,9
624 012 08	12 x 14 x 8	2,0	624 030 30	30 x 34 x 30	46,1
624 012 10	12 x 14 x 10	3,0	624 030 35	30 x 34 x 35	53,0
624 012 12	12 x 14 x 12	3,7	624 032 20	32 x 36 x 20	32,0
624 012 15	12 x 14 x 15	4,7	624 032 25	32 x 36 x 25	40,2
624 012 20	12 x 14 x 20	6,1	624 035 20	35 x 39 x 20	35,4
624 014 10	14 x 16 x 10	3,6	624 035 40	35 x 39 x 40	70,8
624 014 20	14 x 16 x 20	7,1	624 038 30	38 x 42 x 30	56,9
624 015 10	15 x 17 x 10	3,8	624 040 20	40 x 44 x 20	40,0
624 015 12	15 x 17 x 12	4,5	624 040 30	40 x 44 x 30	60,2
624 015 15	15 x 17 x 15	5,7	624 040 50	40 x 44 x 50	101,5
624 015 20	15 x 17 x 20	7,6	624 050 30	50 x 55 x 30	95,0
624 016 10	16 x 18 x 10	4,6	624 050 50	50 x 55 x 50	159,9
624 016 15	16 x 18 x 15	6,1			

Construction

Tin-plated steel back (incl. edges). Multi-porous bronze layer, sliding surface PTFE-lead-compound.

Technical data

Stat. surface pressure	max. 250 N/mm ²
Dyn. bearing load	max. 56 N/mm ²
Friction coefficient	von 0.03 - 0.20
Sliding speed	max. 2 m/s
Temperature range	-195°C to + 280°C
Therm. conductivity	40 W/K · m

Recommended mounting tolerances

Housing bore H7, shaft tolerance up to 55 Ø f7 above 55 Ø h8

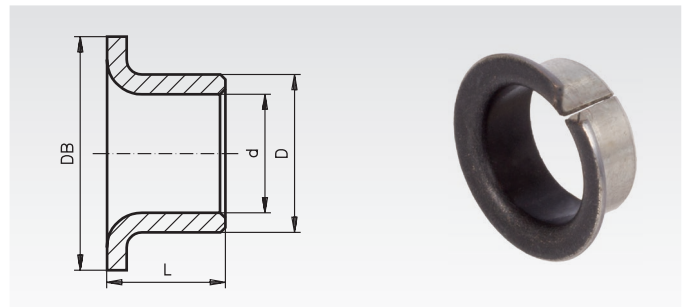
Paired contact surface

Recommended: hardened contact surfaces with a surface roughness of R_z3 and finer.

Main characteristics

Self lubricating and maintenance free, ready to install. Perfectly suited for lower sliding speeds. Low wear, low friction coefficient, no „stick slip“. Perfectly suited for circular, swivelling and partly for axial movement. Can be used at extremely high bearing loads. No moisture absorption. High corrosion resistance.

Flange Bushes, Slotted (Without Any Lubrication)



Plain bearing flange bush from steel sheet with multi-porous bronze layer and sliding surface from PTFE-lead-compound. Specially suited for lubrication-free running, for high loads, extrem temperatures.

Ordering Details: e.g.: Product No. 624 103 04, Flange Bush, 3mm Bore

Product No.	d x D / DB x L mm	Weight g
624 103 04	3 x 4,5 / 7 x 5	0,3
624 104 04	4 x 5,5 / 9 x 5,6	0,5
624 105 05	5 x 7 / 10 x 6	0,9
624 106 06	6 x 8 / 12 x 7	1,4
624 108 06	8 x 10 / 15 x 5,5	1,9
624 108 08	8 x 10 / 15 x 9,5	2,3
624 110 08	10 x 12 / 18 x 9	2,9
624 110 12	10 x 12 / 18 x 12	4,0
624 112 15	12 x 14 / 20 x 17	5,6
624 114 15	14 x 16 / 22 x 17	6,2
624 115 12	15 x 17 / 23 x 12	5,0
624 115 20	15 x 17 / 23 x 17	8,5
624 116 20	16 x 18 / 24 x 17	9,1
624 118 12	18 x 20 / 26 x 12	6,6
624 120 12	20 x 23 / 30 x 11,5	13,7
624 122 20	22 x 25 / 32 x 21,5	21,0
624 125 25	25 x 28 / 35 x 26,5	27,3
624 130 30	30 x 34 / 42 x 30	53,3
624 135 20	35 x 39 / 47 x 26	46,0
624 135 40	35 x 39 / 47 x 40	81,4
624 140 40	40 x 44 / 53 x 26	92,0
624 150 40	50 x 55 / 60 x 22	145,8

Note:

According to DIN ISO 3547 the supplied bush may be unround and with open slot. After pressing the slotted bush into an H7-bore, it usually is round and the gap (the slot) is closed.

Loctite bonding products (bearing adhesive) page 812.

Mounting instructions

The edges of the mounting hole must be rounded or chamfered. We recommend using an arbor press for mounting. The gliding surface must not be damaged. The butt joint must be located opposite the load area. Once mounted the bearing has pressfit. Glueing is possible, but not necessary.

Application range

Where no lubrication is possible: textile machinery, controls and instruments, packing plants, electronic goods, medical equipment, paper machines, food-processing machines, brake and pump manufacturing, etc.

Where lubrication is often neglected:

agricultural and construction machinery, fork lift trucks, etc.

Where lubricants should be used sparingly:

car and motorbike manufacture, machine tool building, conveyor plants, escalator manufacture, hoisting devices, turbine manufacturing, steel construction for hydraulic engineering, etc.

Service life

The service life of the bearing depends on ambient conditions as: sliding speed, load, temperature, on-time, paired contact surface, etc. For lower wear, please regard the load and mounting instructions above, and protect the bearing from corrosive influences and large amounts of dirt.