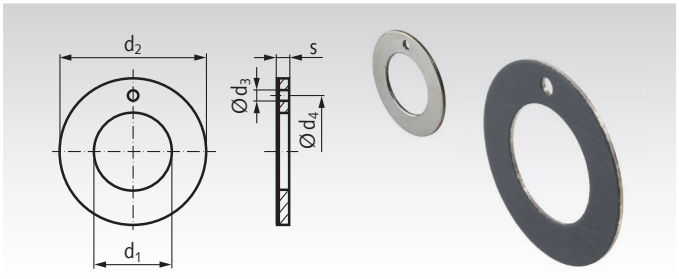
Thrust Washers, Self-Lubricating

Material: Steel sheet with multi-porous bronze layer.
Sliding surface from PTFE with optimizing additives.
Backside and edges with copper-tin plating.

These thrust washers are axial plain bearings. They are used for example as contact surface in axial direction, for shafts, which are running in radial plain bearings. They are very well suited for lubrication-free running and also for wet running in oil or grease, for high loads, extreme temperatures.

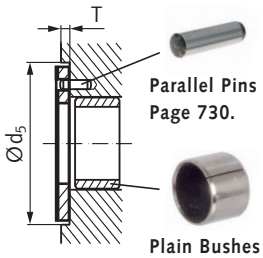


Ordering Details: e.g.: Product No. 624 210 20, Thrust Washer, Self-Lubricating, 10 mm

Product No.	$d_1^{+0,25}$ mm	$d_2^{-0,25}$ mm	$s^{-0,25}$ mm	$d_3^{+0,4}$ mm	$d_4^{\pm 0,125}$ mm	Weight g	Mounting Dimensions Trunnion-Ø* mm	$d_5^{+0,12}$ mm	$T^{\pm 0,2}$ mm
624 210 20	10	20	1,5	1,5	15	2,4	8	20	1
624 212 24	12	24	1,5	1,5	18	3,6	10	24	1
624 214 26	14	26	1,5	2	20	4,0	12	26	1
624 216 30	16	30	1,5	2	23	5,4	14	30	1
624 218 32	18	32	1,5	2	25	5,9	16	32	1
624 220 36	20	36	1,5	3	28	7,4	18	36	1
624 222 38	22	38	1,5	3	30	7,9	20	38	1
624 224 42	24	42	1,5	3	33	10,2	22	42	1
624 226 44	26	44	1,5	3	35	10,4	24	44	1
624 228 48	28	48	1,5	4	38	12,8	26	48	1
624 232 54	32	54	1,5	4	43	15,8	30	54	1
624 238 62	38	62	1,5	4	50	20,0	36	62	1
624 242 66	42	66	1,5	4	54	21,6	40	66	1
624 248 74	48	74	2,0	4	61	36,0	46	74	1,5
624 252 78	52	78	2,0	4	65	38,0	50	78	1,5
624 262 90	62	90	2,0	4	76	48,4	60	90	1,5

* Recommendation for the diameter of the shaft extension, in a radial plain bearing beside the thrust washer.

Mounting Example



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The thrust washer must be secured against rotation, with a parallel pin or with adhesive.

Technical data

Stat. surface pressure	max. 250 N/mm²
Dyn. bearing load	max. 60 N/mm²
Friction coefficient	von 0.03 - 0.20
Sliding speed	max. 2 m/s
Temperature range	-195°C to + 280°C
Therm. conductivity	42 W/(m·K)

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.

Application range
Textile machinery, controls and instruments, packing plants, electronic goods, medical equipment, paper machines, brake and pump manufacturing, agricultural and construction machinery, fork lift trucks, 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.