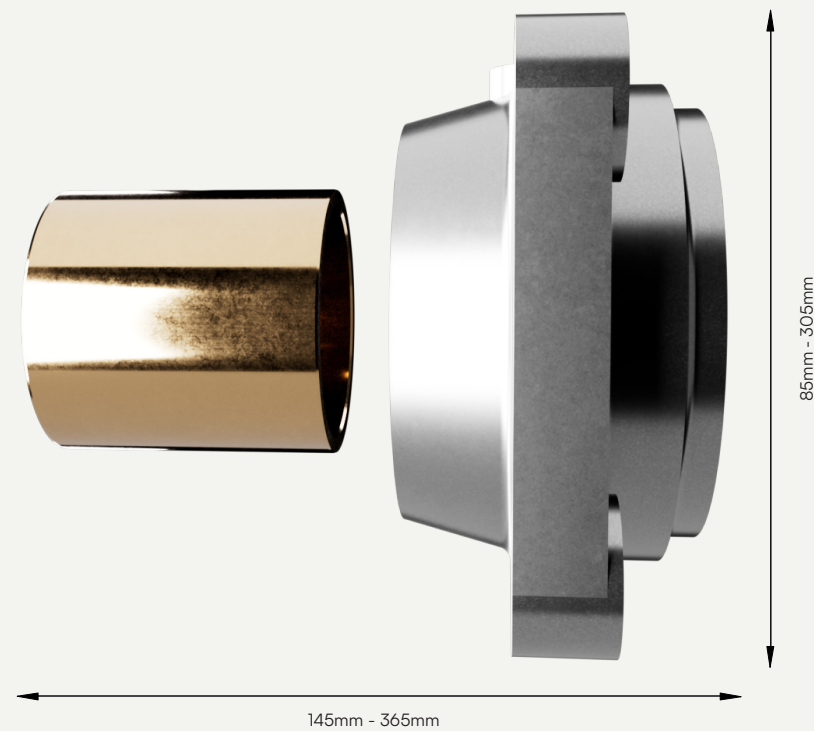


DIN503





LUBRICATION

Lubricant is introduced into the bearing by means of a grease nipple, a manual grease gun, a buffer sleeve, an automatic lubricator or a central lubrication unit. This is pressed into the unloaded area of the bearing gap via a lubrication groove, which is usually located in the upper half of the bushing or bearing shells. If the load direction deviates by more than 40° from the vertical axis of the bearing foot , this must be expressly stated in the order .

Basically we recommend :

- for operating temperatures up to approx. 100° : lubricating greases
- for operating temperatures up to approx. 180° : high temperature greases
- for operating temperatures up to approx. 440° : solid lubricants

The guideline value for lubricant consumption is approx. 20g/m2h, whereby the entire bearing running surface is meant here.

BEARING LOAD CAPACITY

In principle, the permissible load on the bearing depends on a variety of factors , such as :

- Type and frequency of lubrication
- Surface quality of the shaft (roughness and hardness)
- material pairing (shaft and bearing material)
- Fitting combination (bearing and shaft)
- Direction of the applied force
- bearing temperature
- Alignment of bearing and shaft

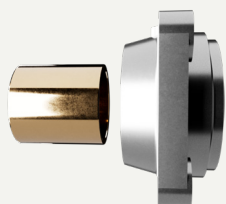
The following table shows the maximum permissible surface pressure values of the bearing material (p_{zul.}) under static load and the permissible surface pressure taking into account the maximum sliding velocity (P_{zul.,v}) of v_{Gleit,max} = 1.5m/s .

The guideline value for lubricant consumption is approx. 20g/m2h, whereby the entire bearing running surface is meant here.

- Load perpendicular to the bearing foot

	Red cast G-CuSn 7 ZnPb		Cast bronze G-CuSn 12		Plastic Polyamid 6.6	
	p _{zul.} (N/mm²)	at V _{max} = 1,5m/s p _{zul.} (N/mm²)	p _{zul.} (N/mm²)	at V _{max} = 1,5m/s p _{zul.} (N/mm²)	p _{zul.} (N/mm²)	at V _{max} = 1,5m/s p _{zul.} (N/mm²)
DIN 502	350	180	450	260	350	1,8
DIN 503	350	180	450	260	350	1,8
DIN 504	350	180	450	260	350	1,8
DIN 505L	450	250	-	-	450	2,0
DIN 506	250	120	350	210	-	-

The information in this brochure has been prepared with great care. Nevertheless, no liability for damages/losses can be assumed



DIN503



DIN504



DIN505



DIN506

Plain bearings according to DIN 502 to 506 are used in various applications, including the wood industry, steel industry, chemical plants, and food processing industry. Depending on the operating conditions, they can be employed for sliding speeds of up to approximately 1.5 m/s. The bushings and shells are made from red brass material (Rg7), ensuring reliable performance and a long service life.

**DIN502 / DIN503
DIN504 / DIN505
DIN506**



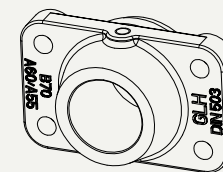
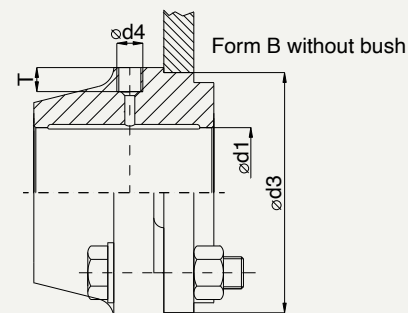
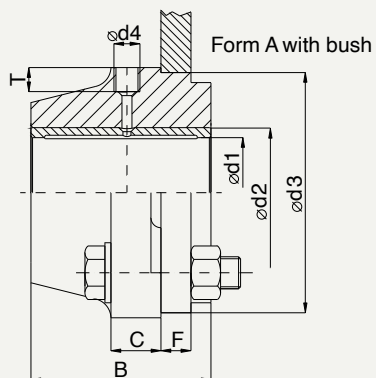
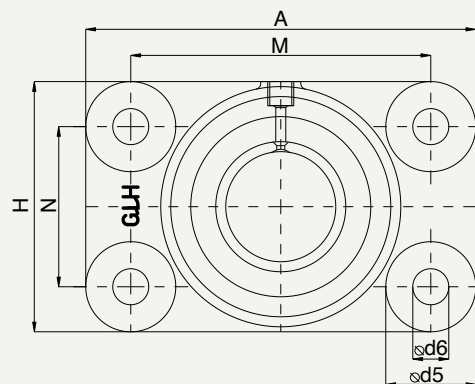
0,079kg - 540kg



25mm - 300mm



1,5m/s



Article Form A	d1 (D10)	Article Form B	d1 (D7)	d2	d3	d4	d5	d6	A	B	C	F	H	M	N	T	kg
DIN503-A35	35	DIN503-B45	45	45	80	R1/4"	35	14	145	70	20	20	85	110	50	12	2,9
DIN503-A40	40	DIN503-B50	50	50	80	R1/4"	35	14	145	70	20	20	85	110	50	12	3
DIN503-A45	45	DIN503-B55	55	55	100	R1/4"	45	18	175	80	25	20	105	130	60	12	5,5
DIN503-A50	50	DIN503-B60	60	60	100	R1/4"	45	18	175	80	25	20	105	130	60	12	5,3
DIN503-A55	55	-	-	65	120	R1/4"	45	18	195	90	25	25	125	150	80	12	8,1
DIN503-A60	60	DIN503-B70	70	70	120	R1/4"	45	18	195	90	25	25	125	150	80	12	7,8
DIN503-A70	70	DIN503-B80	80	80	140	R1/4"	50	22	220	100	30	25	150	170	100	12	12
DIN503-A80	80	DIN503-B90	90	90	160	R1/4"	50	22	240	100	30	30	170	190	120	12	14,5
DIN503-A90	90	DIN503-B100	100	100	180	R1/4"	50	22	260	120	30	30	190	210	140	12	25
DIN503-A90	90	DIN503-B110	110	100	180	R1/4"	50	22	260	120	30	30	190	210	140	12	24
DIN503-A100	100	DIN503-B120	120	115	200	R3/8"	55	26	285	120	35	30	215	230	160	13	30
DIN503-A110	110	DIN503-B125	125	125	200	R3/8"	55	26	285	120	35	40	215	230	160	13	28
DIN503-A125	125	DIN503-B140	140	140	230	R3/8"	60	26	310	140	40	40	240	250	180	13	48
DIN503-A140	140	DIN503-B160	160	155	260	R3/8"	60	26	330	160	40	40	270	270	210	13	57
DIN503-A160	160	DIN503-B180	180	175	290	R3/8"	65	33	365	180	45	40	305	300	240	13	52
DIN503-A180	180	DIN503-B200	200	195	290	R3/8"	65	33	365	180	45	40	305	300	240	13	95



THIS IS HOW YOU REACH US

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WHAT WE OFFER

SHIPPING UNTIL 17:00 UHR

Daily Forwarding shipment,
parcel shipment with **UPS, DHL,**
FEDEX, NIGHT STAR
Roller bearings, Plummer Blocks,
Flanged Bearings, Plain Bearings,
Adapter and withdrawal Sleeves, Seals