

DIN504





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

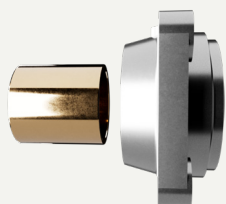
The following table shows the maximum permissible surface pressure values of the bearing material (p_{zul.}) under static load and the permissible surface pressure taking into account the maximum sliding velocity (P_{zul.,v}) of v_{Gleit,max} = 1.5m/s .

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**



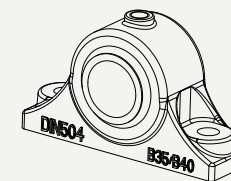
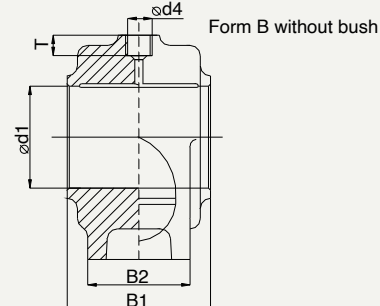
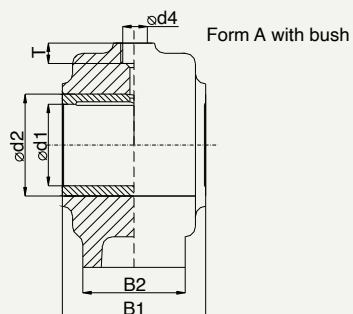
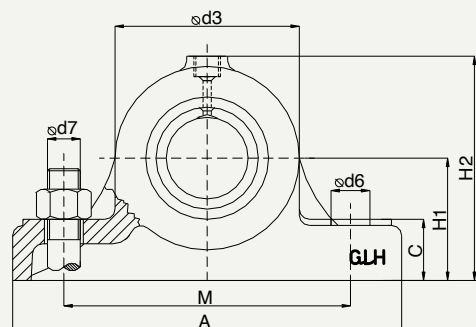
0,079kg - 540kg



25mm - 300mm

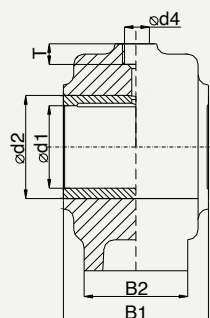
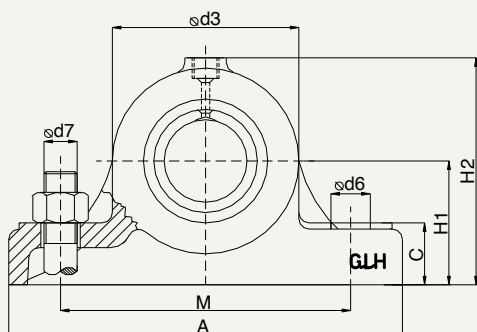


1,5m/s

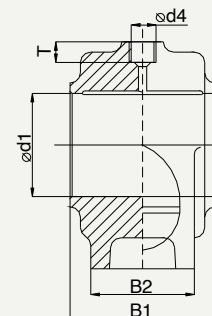


Article Form A	d1 (D10)	Article Form B	d1 (D7)	d2	d3	d4	d6	d7	A	B1	B2	C	H1	H2	M	T	kg
-	--	DIN504-B25	25	--	60	R 1/4"	15	M12	140	60	40	25	40	75	100	10	2
-	--	DIN504-B30	30	-	60	R 1/4"	15	M12	140	60	40	25	40	75	100	10	2
DIN504-A25	25	DIN504-B35	35	35	80	R 1/4"	15	M12	160	60	45	25	50	95	120	10	3
DIN504-A30	30	DIN504-B40	40	40	80	R 1/4"	15	M12	160	60	45	25	50	95	120	10	3
DIN504-A35	35	DIN504-B45	45	45	90	R 1/4"	19	M16	190	70	50	30	60	110	140	10	4,2
DIN504-A40	40	DIN504-B50	50	50	90	R 1/4"	19	M16	190	70	50	30	60	110	140	10	4,2
DIN504-A45	45	DIN504-B55	55	55	100	R 1/4"	24	M20	220	80	55	35	70	125	160	10	5,5
DIN504-A50	50	DIN504-B60	60	60	100	R 1/4"	24	M20	220	80	55	35	70	125	160	10	5,5
DIN504-A55	55	DIN504-B65	65	65	120	R 1/4"	24	M20	240	90	60	35	80	145	180	10	8,3
DIN504-A60	60	DIN504-B70	70	70	120	R 1/4"	24	M20	240	90	60	35	80	145	180	10	8,3
DIN504-A65	65	DIN504-B75	75	75	140	R 1/4"	28	M24	270	100	70	45	90	165	210	10	11,6
DIN504-A70	70	DIN504-B80	80	80	140	R 1/4"	28	M24	270	100	70	45	90	165	210	10	11,6
DIN504-A75	75	DIN504-B90	90	85	180	R 1/4"	28	M24	300	100	80	45	100	185	240	10	17
DIN504-A80	80	DIN504-B90	90	90	180	R 1/4"	28	M24	300	100	80	45	100	185	240	10	17
DIN504-A90	90	DIN504-B100	100	100	180	R 1/4"	28	M24	330	120	90	45	100	195	270	10	23,5
DIN504-A90	90	DIN504-B110	110	100	180	R 1/4"	28	M24	330	120	90	45	100	195	270	10	23,5
DIN504-A100	100	DIN504-B120	120	115	200	R 3/8"	28	M24	360	120	100	50	110	215	300	11	31
DIN504-A110	110	DIN504-B125	125	125	200	R 3/8"	28	M24	360	120	100	50	110	215	300	11	35
DIN504-A110	110	DIN504-B130	130	125	200	R 3/8"	28	M24	360	120	100	50	110	215	300	11	35

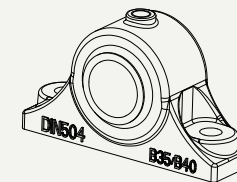
DIN504-A120 - DIN504-A140



Form A with bush



Form B without bush



Article Form A	d1 (D10)	Article Form B	d1 (D7)	d2	d3	d4	d6	d7	A	B1	B2	C	H1	H2	M	T	kg
DIN504-A120	120	DIN504-B140	140	135	220	R 3/8"	35	M30	410	140	100	55	120	235	330	11	50
DIN504-A125	125	DIN504-B140	140	140	220	R 3/8"	35	M30	410	140	100	55	120	235	330	11	50
DIN504-A130	130	DIN504-B150	150	145	220	R 3/8"	35	M30	410	140	100	55	120	235	330	11	50
DIN504-A140	140	DIN504-B160	160	155	240	R 3/8"	35	M30	440	160	100	60	130	255	360	11	54



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