



WB802

WB802-bearings with or without flange are intended for radial and axial movements. The bearings are wrapped of a cold formable homogenous bronze, which because of this will obtain exceptional material properties. The execution of the flange permits that the bearing also can carry axial loads.

The standard sizes are fitted with holes, which are dispersed in a special way over the whole bearing-surface. These holes serve as lubricant reservoirs i.a. to rapidly build up a lubrication film in the moment of start and therewith reduce the start friction. These holes even lengthen significantly the lubrication intervals.

The properties of the WB802-material, together with the procedure of wrapping and calibration, make this type of bearing especially suitable for constructions, where high loads and relatively slow movements are occurring.

Technical data

Material: Homogeneous bronze
Cu 91,3%, Sn 8,5%, P 0,2%

Yield point: ($R_{p0,2}$) ca 300 N/mm²

Tensile strength: (R_m) ca 450 N/mm²

Hardness: ca 125-150 HB

Friction: 0,08–0,25μ

Max speed: 2,5m/s

Temperature range: -100 / +200 °C

Load	Speed
280 N/mm ²	0 m/s
80 - 120 N/mm ²	0,01 m/s
30 - 40 N/mm ²	2,0 m/s

Tolerances: Bearings pressed into housing H7 get tolerance H9. Recommended tolerance for the shaft IT 7 or IT 8 with position of tolerance e or f.

Lubrication: Additional lubrication ought to be done through the shafts or radial through the housings. All customary greases can be used e.g. greases with additives of graphite or molybdenum-disulphide. We recommend two specially tried-out greases for plain bearings, SK12 and S3.

Benefits:

- High load capacity.
- Can be used in difficult circumstances.
- Excellent lubrication properties due to lubrication holes.
- High level thermal conductivity.
- Wide range of stock hold standard dimensions.
- Extended lubrication intervals with 6-8 times compared with traditional slide bearings.

Special:

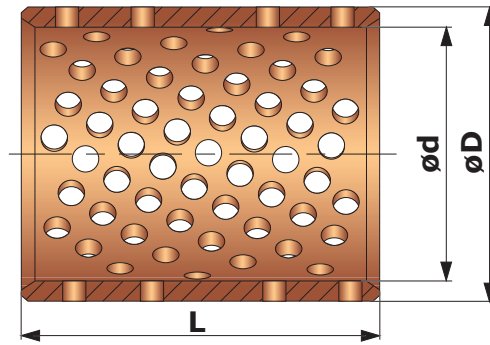
- Other positions of tolerance.
- In- or outside lubrication grooves.
- Hardness 150-160 HB.
- With built-in seals.
- Drawing details.

Typical applications:

- Forest machines.
- Agricultural machines.
- Forklift trucks.
- Dumpers.
- Hydraulic cranes.
- Truck platform constructions.

D&E Bearings
- SPECIALISTS SINCE 1966

Dimension programme WB802

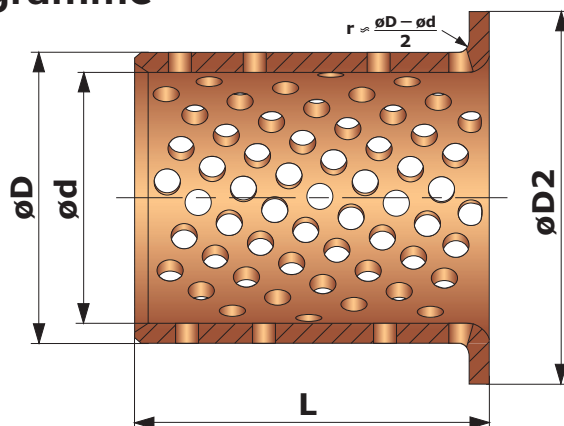


Code	Designation	d	D	L
220060	15/ 17x 15 WB802	15	17	15
220065	15/ 17x 25 WB802	15	17	25
220070	16/ 18x 15 WB802	16	18	15
220075	16/ 18x 20 WB802	16	18	20
220080	16/ 18x 25 WB802	16	18	25
220085	18/ 21x 15 WB802	18	21	15
220090	18/ 21x 20 WB802	18	21	20
220095	18/ 21x 25 WB802	18	21	25
220100	20/ 23x 15 WB802	20	23	15
220105	20/ 23x 20 WB802	20	23	20
220110	20/ 23x 25 WB802	20	23	25
220115	20/ 23x 30 WB802	20	23	30
220120	22/ 25x 15 WB802	22	25	15
220125	22/ 25x 20 WB802	22	25	20
220130	22/ 25x 25 WB802	22	25	25
220135	22/ 25x 30 WB802	22	25	30
220137	25/ 28x 15 WB802	25	28	15
220140	25/ 28x 20 WB802	25	28	20
220145	25/ 28x 25 WB802	25	28	25
220150	25/ 28x 30 WB802	25	28	30
220160	25/ 28x 50 WB802	25	28	50
220165	28/ 31x 15 WB802	28	31	15
220170	28/ 31x 25 WB802	28	31	25
220175	28/ 31x 30 WB802	28	31	30
220180	30/ 34x 20 WB802	30	34	20
220183	30/ 34x 25 WB802	30	34	25
220190	30/ 34x 30 WB802	30	34	30
220195	30/ 34x 40 WB802	30	34	40
220200	32/ 36x 20 WB802	32	36	20
220205	32/ 36x 30 WB802	32	36	30
220210	32/ 36x 40 WB802	32	36	40
220220	35/ 39x 20 WB802	35	39	20
220235	35/ 39x 30 WB802	35	39	30
220240	35/ 39x 40 WB802	35	39	40
220245	35/ 39x 50 WB802	35	39	50
220260	40/ 44x 20 WB802	40	44	20
220262	40/ 44x 25 WB802	40	44	25
220265	40/ 44x 30 WB802	40	44	30
220275	40/ 44x 40 WB802	40	44	40
220285	40/ 44x 50 WB802	40	44	50
220295	45/ 50x 20 WB802	45	50	20
220300	45/ 50x 30 WB802	45	50	30
220302	45/ 50x 40 WB802	45	50	40
220310	45/ 50x 50 WB802	45	50	50
220315	45/ 50x 60 WB802	45	50	60
220320	50/ 55x 25 WB802	50	55	25
220325	50/ 55x 30 WB802	50	55	30
220335	50/ 55x 40 WB802	50	55	40
220337	50/ 55x 50 WB802	50	55	50
220340	50/ 55x 60 WB802	50	55	60
220345	55/ 60x 40 WB802	55	60	40
220350	55/ 60x 60 WB802	55	60	60
220358	60/ 65x 25 WB802	60	65	25
220360	60/ 65x 30 WB802	60	65	30
220364	60/ 65x 35 WB802	60	65	35
220365	60/ 65x 40 WB802	60	65	40
220375	60/ 65x 45 WB802	60	65	45

Code	Designation	d	D	L
220377	60/ 65x 50 WB802	60	65	50
220380	60/ 65x 60 WB802	60	65	60
220390	60/ 65x 70 WB802	60	65	70
220405	65/ 70x 40 WB802	65	70	40
220410	65/ 70x 60 WB802	65	70	60
220420	70/ 75x 40 WB802	70	75	40
220425	70/ 75x 45 WB802	70	75	45
220427	70/ 75x 50 WB802	70	75	50
220430	70/ 75x 60 WB802	70	75	60
220435	70/ 75x 80 WB802	70	75	80
220445	75/ 80x 40 WB802	75	80	40
220450	75/ 80x 80 WB802	75	80	80
220454	80/ 85x 30 WB802	80	85	30
220455	80/ 85x 40 WB802	80	85	40
220460	80/ 85x 60 WB802	80	85	60
220465	80/ 85x 80 WB802	80	85	80
220475	85/ 90x 40 WB802	85	90	40
220480	85/ 90x 80 WB802	85	90	80
220495	90/ 95x 40 WB802	90	95	40
220497	90/ 95x 50 WB802	90	95	50
220500	90/ 95x 60 WB802	90	95	60
220505	90/ 95x 90 WB802	90	95	90
220508	90/ 95x 70 WB802	90	95	70
220514	100/ 105x 40 WB802	100	105	40
220515	100/ 105x 50 WB802	100	105	50
220520	100/ 105x 60 WB802	100	105	60
220522	100/ 105x 70 WB802	100	105	70
220525	100/ 105x 95 WB802	100	105	95
220535	110/ 115x 50 WB802	110	115	50
220540	110/ 115x 95 WB802	110	115	95
220542	120/ 125x 25 WB802	120	125	25
220550	120/ 125x 50 WB802	120	125	50
220555	120/ 125x 95 WB802	120	125	95
220565	125/ 130x 100 WB802	125	130	100
220570	130/ 135x 60 WB802	130	135	60
220575	130/ 135x 100 WB802	130	135	100
220578	140/ 145x 50 WB802	140	145	50
220580	140/ 145x 60 WB802	140	145	60
220585	140/ 145x 100 WB802	140	145	100
220603	150/ 155x 45 WB802	150	155	45
220605	150/ 155x 60 WB802	150	155	60
220610	150/ 155x 100 WB802	150	155	100
220615	160/ 165x 60 WB802	160	165	60
220620	160/ 165x 100 WB802	160	165	100
220635	170/ 175x 60 WB802	170	175	60
220640	170/ 175x 100 WB802	170	175	100
220641	175/ 180x 50 WB802	175	180	50
220643	180/ 185x 45 WB802	180	185	45
220645	180/ 185x 60 WB802	180	185	60
220655	180/ 185x 100 WB802	180	185	100
220657	185/ 190x 100 WB802	185	190	100
220660	190/ 195x 60 WB802	190	195	60
220665	190/ 195x 100 WB802	190	195	100
220670	200/ 205x 60 WB802	200	205	60
220675	200/ 205x 100 WB802	200	205	100
220694	230/ 235x 70 WB802	230	235	70
2207151	250/ 255x 100 WB802	250	255	100
220730	300/ 305x 90 WB802	300	305	90

Other dimensions and designs can be supplied on request. All measures in mm.

Dimension programme WF-WB802



Code	Designation				d	D	D2	L
224010	20/	23/	30x	16	20	23	30	16
224015	20/	23/	30x	20	20	23	30	20
224018	25/	28/	35x	12.5	25	28	35	12,5
224020	25/	28/	35x	16	25	28	35	16
224025	25/	28/	35x	25	25	28	35	25
224030	30/	34/	45x	20	30	34	45	20
224035	30/	34/	45x	30	30	34	45	30
224040	35/	39/	50x	20	35	39	50	20
224045	35/	39/	50x	35	35	39	50	35
224050	40/	44/	55x	25	40	44	55	25
224055	40/	44/	55x	40	40	44	55	40
224065	45/	50/	60x	30	45	50	60	30
224067	45/	50/	60x	40	45	50	60	40
224070	45/	50/	60x	45	45	50	60	45
224075	50/	55/	65x	30	50	55	65	30
224080	50/	55/	65x	50	50	55	65	50
224081	55/	60/	70x	30	55	60	70	30
224082	55/	60/	70x	50	55	60	70	50
224083	60/	65/	75x	25	60	65	75	25
224085	60/	65/	75x	35	60	65	75	35
224090	60/	65/	75x	50	60	65	75	50
224095	60/	65/	75x	60	60	65	75	60
224097	65/	70/	80x	40	65	70	80	40
2240971	65/	70/	85x	40	65	70	85	40
224098	65/	70/	80x	60	65	70	80	60
224100	70/	75/	85x	35	70	75	85	35
224105	70/	75/	85x	70	70	75	85	70
224107	75/	80/	90x	40	75	80	90	40
224108	75/	80/	90x	70	75	80	90	70
224110	80/	85/	95x	40	80	85	95	40
224115	80/	85/	95x	80	80	85	95	80
224120	90/	95/	110x	50	90	95	110	50
224125	90/	95/	110x	90	90	95	110	90
224135	100/	105/	120x	50	100	105	120	50
224140	100/	105/	120x	90	100	105	120	90
224150	110/	115/	130x	50	110	115	130	50
224155	110/	115/	130x	90	110	115	130	90
224160	120/	125/	145x	50	120	125	145	50
224165	120/	125/	145x	90	120	125	145	90
224170	130/	135/	155x	60	130	135	155	60
224175	130/	135/	155x	90	130	135	155	90
224180	140/	145/	165x	60	140	145	165	60
224185	140/	145/	165x	90	140	145	165	90
224190	150/	155/	180x	60	150	155	180	60
224195	150/	155/	180x	90	150	155	180	90
224200	160/	165/	190x	60	160	165	190	60
224205	160/	165/	190x	90	160	165	190	90
224210	170/	175/	200x	60	170	175	200	60
224215	170/	175/	200x	90	170	175	200	90
224220	180/	185/	215x	60	180	185	215	60
224225	180/	185/	215x	90	180	185	215	90
224240	190/	195/	225x	60	190	195	225	60
224245	190/	195/	225x	90	190	195	225	90
224255	200/	205/	235x	60	200	205	235	60
224260	200/	205/	235x	90	200	205	235	90
224277	220/	225/	245x	90	220	225	245	90
224281	230/	235/	265x	90	230	235	265	90

Other dimensions and designs can be supplied on request. All measures in mm.