



## WB702

WB702-bearings with or without flange are intended for radial and axial movements. The bearings are manufactured of a cold formable homogeneous 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.e. to rapidly build up a lubrication film in the moment of start and therewith reduce the start friction.

The properties of the WB702-material, together with the procedure of wrapping and calibration, make this type of bearing especially suitable for constructions, where medium or 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 250 N/mm<sup>2</sup>

**Tensile strength:** ( $R_m$ ) ca 450 N/mm<sup>2</sup>

**Hardness:** ca 110-125 HB

**Friction:** 0,10 - 0,25 $\mu$

**Max speed:** 2,5m/s

**Temperature range:** -100 / +200 °C

**Tolerances:** Housing H7.

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.

### 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:

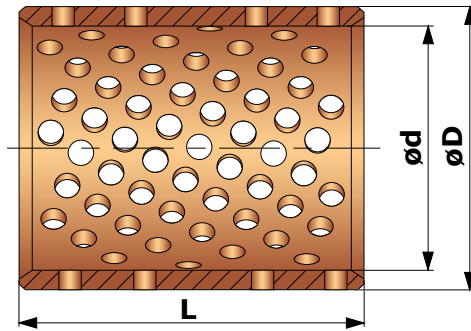
- Items according to drawings.
- In- or outside lubrication grooves.
- Flat or spherical thrust washers.
- Other positions of tolerance

### Typical applications:

- Forest machines.
- Agricultural machines.
- Forklift trucks.
- Dumpers.
- Front loaders for tractors.

Load	Speed
250 N/mm <sup>2</sup>	0 m/s
80 - 120 N/mm <sup>2</sup>	0,01 m/s
30 - 40 N/mm <sup>2</sup>	2,0 m/s

## Dimension programme WB702

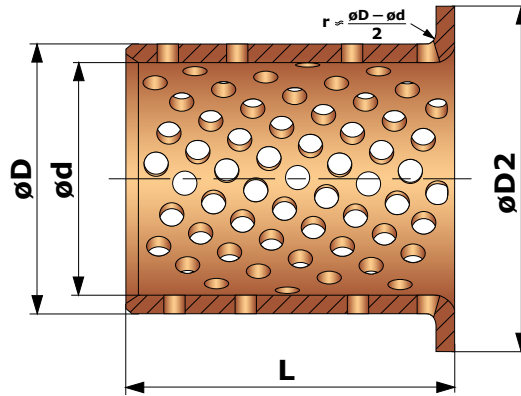


Code	Designation			d	D	L	
280060	15/	17x	15	WB702	15	17	15
280065	15/	17x	25	WB702	15	17	25
280070	16/	18x	15	WB702	16	18	15
280075	16/	18x	20	WB702	16	18	20
280080	16/	18x	25	WB702	16	18	25
280085	18/	21x	15	WB702	18	21	15
280090	18/	21x	20	WB702	18	21	20
280095	18/	21x	25	WB702	18	21	25
280100	20/	23x	15	WB702	20	23	15
280105	20/	23x	20	WB702	20	23	20
280110	20/	23x	25	WB702	20	23	25
280115	20/	23x	30	WB702	20	23	30
280120	22/	25x	15	WB702	22	25	15
280125	22/	25x	20	WB702	22	25	20
280130	22/	25x	25	WB702	22	25	25
280135	22/	25x	30	WB702	22	25	30
280137	25/	28x	15	WB702	25	28	15
280140	25/	28x	20	WB702	25	28	20
280145	25/	28x	25	WB702	25	28	25
280150	25/	28x	30	WB702	25	28	30
280160	25/	28x	50	WB702	25	28	50
280165	28/	31x	15	WB702	28	31	15
280170	28/	31x	25	WB702	28	31	25
280175	28/	31x	30	WB702	28	31	30
280177	30/	34x	15	WB702	30	34	15
280180	30/	34x	20	WB702	30	34	20
280183	30/	34x	25	WB702	30	34	25
280190	30/	34x	30	WB702	30	34	30
280195	30/	34x	40	WB702	30	34	40
280200	32/	36x	20	WB702	32	36	20
280205	32/	36x	30	WB702	32	36	30
280210	32/	36x	40	WB702	32	36	40
280220	35/	39x	20	WB702	35	39	20
280235	35/	39x	30	WB702	35	39	30
280240	35/	39x	40	WB702	35	39	40
280245	35/	39x	50	WB702	35	39	50
280260	40/	44x	20	WB702	40	44	20
280262	40/	44x	25	WB702	40	44	25
280265	40/	44x	30	WB702	40	44	30
280275	40/	44x	40	WB702	40	44	40
280285	40/	44x	50	WB702	40	44	50
280295	45/	50x	20	WB702	45	50	20
280300	45/	50x	30	WB702	45	50	30
280302	45/	50x	40	WB702	45	50	40
280310	45/	50x	50	WB702	45	50	50
280315	45/	50x	60	WB702	45	50	60
280325	50/	55x	30	WB702	50	55	30
280335	50/	55x	40	WB702	50	55	40
280337	50/	55x	50	WB702	50	55	50
280340	50/	55x	60	WB702	50	55	60
280345	55/	60x	40	WB702	55	60	40
280347	55/	60x	50	WB702	55	60	50
280350	55/	60x	60	WB702	55	60	60
280358	60/	65x	25	WB702	60	65	25
280360	60/	65x	30	WB702	60	65	30
280364	60/	65x	35	WB702	60	65	35

Art.nr	Designation			d	D	L	
280365	60/	65x	40	WB702	60	65	40
280377	60/	65x	50	WB702	60	65	50
280380	60/	65x	60	WB702	60	65	60
280405	65/	70x	40	WB702	65	70	40
280410	65/	70x	60	WB702	65	70	60
280420	70/	75x	40	WB702	70	75	40
280427	70/	75x	50	WB702	70	75	50
280430	70/	75x	60	WB702	70	75	60
280435	70/	75x	80	WB702	70	75	80
280445	75/	80x	40	WB702	75	80	40
280450	75/	80x	80	WB702	75	80	80
280455	80/	85x	40	WB702	80	85	40
280458	80/	85x	50	WB702	80	85	50
280460	80/	85x	60	WB702	80	85	60
280465	80/	85x	80	WB702	80	85	80
280475	85/	90x	40	WB702	85	90	40
280480	85/	90x	80	WB702	85	90	80
280495	90/	95x	40	WB702	90	95	40
280500	90/	95x	60	WB702	90	95	60
280505	90/	95x	90	WB702	90	95	90
280514	100/	105x	40	WB702	100	105	40
280515	100/	105x	50	WB702	100	105	50
280520	100/	105x	60	WB702	100	105	60
280522	100/	105x	70	WB702	100	105	70
280525	100/	105x	95	WB702	100	105	95
280535	110/	115x	50	WB702	110	115	50
280540	110/	115x	95	WB702	110	115	95
2805413	110/	115x	100	WB702	110	115	100
280550	120/	125x	50	WB702	120	125	50
280555	120/	125x	95	WB702	120	125	95
280565	125/	130x	100	WB702	125	130	100
280570	130/	135x	60	WB702	130	135	60
280575	130/	135x	100	WB702	130	135	100
280580	140/	145x	60	WB702	140	145	60
280585	140/	145x	100	WB702	140	145	100
280605	150/	155x	60	WB702	150	155	60
280610	150/	155x	100	WB702	150	155	100
280615	160/	165x	60	WB702	160	165	60
280620	160/	165x	100	WB702	160	165	100
280635	170/	175x	60	WB702	170	175	60
280640	170/	175x	100	WB702	170	175	100
280645	180/	185x	60	WB702	180	185	60
280655	180/	185x	100	WB702	180	185	100
280657	185/	190x	100	WB702	185	190	100
280660	190/	195x	60	WB702	190	195	60
280665	190/	195x	100	WB702	190	195	100
280670	200/	205x	60	WB702	200	205	60
280675	200/	205x	100	WB702	200	205	100
2807151	250/	255x	100	WB702	250	255	100

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

## Dimension programme WF-WB702



Code	Designation			d	D	D2	L
284010	20/ 23/ 30x	16	WF-WB702	20	23	30	16
284015	20/ 23/ 30x	20	WF-WB702	20	23	30	20
284025	25/ 28/ 35x	25	WF-WB702	25	28	35	25
284030	30/ 34/ 45x	20	WF-WB702	30	34	45	20
284035	30/ 34/ 45x	30	WF-WB702	30	34	45	30
284040	35/ 39/ 50x	20	WF-WB702	35	39	50	20
284045	35/ 39/ 50x	35	WF-WB702	35	39	50	35
284050	40/ 44/ 55x	25	WF-WB702	40	44	55	25
284055	40/ 44/ 55x	40	WF-WB702	40	44	55	40
284065	45/ 50/ 60x	30	WF-WB702	45	50	60	30
284070	45/ 50/ 60x	45	WF-WB702	45	50	60	45
284075	50/ 55/ 65x	30	WF-WB702	50	55	65	30
284080	50/ 55/ 65x	50	WF-WB702	50	55	65	50
284081	55/ 60/ 70x	30	WF-WB702	55	60	70	30
284082	55/ 60/ 70x	50	WF-WB702	55	60	70	50
284083	60/ 65/ 75x	25	WF-WB702	60	65	75	25
284085	60/ 65/ 75x	35	WF-WB702	60	65	75	35
284095	60/ 65/ 75x	60	WF-WB702	60	65	75	60
284098	65/ 70/ 80x	60	WF-WB702	65	70	80	60
284100	70/ 75/ 85x	35	WF-WB702	70	75	85	35
284105	70/ 75/ 85x	70	WF-WB702	70	75	85	70
284107	75/ 80/ 90x	40	WF-WB702	75	80	90	40
284108	75/ 80/ 90x	70	WF-WB702	75	80	90	70
284110	80/ 85/ 95x	40	WF-WB702	80	85	95	40
284115	80/ 85/ 95x	80	WF-WB702	80	85	95	80
284120	90/ 95/ 110x	50	WF-WB702	90	95	110	50
284125	90/ 95/ 110x	90	WF-WB702	90	95	110	90
284135	100/ 105/ 120x	50	WF-WB702	100	105	120	50
284140	100/ 105/ 120x	90	WF-WB702	100	105	120	90
284150	110/ 115/ 130x	50	WF-WB702	110	115	130	50
284155	110/ 115/ 130x	90	WF-WB702	110	115	130	90
284160	120/ 125/ 145x	50	WF-WB702	120	125	145	50
284165	120/ 125/ 145x	90	WF-WB702	120	125	145	90
284170	130/ 135/ 155x	60	WF-WB702	130	135	155	60
284175	130/ 135/ 155x	90	WF-WB702	130	135	155	90
284180	140/ 145/ 165x	60	WF-WB702	140	145	165	60
284185	140/ 145/ 165x	90	WF-WB702	140	145	165	90
284190	150/ 155/ 180x	60	WF-WB702	150	155	180	60
284195	150/ 155/ 180x	90	WF-WB702	150	155	180	90
284200	160/ 165/ 190x	60	WF-WB702	160	165	190	60
284205	160/ 165/ 190x	90	WF-WB702	160	165	190	90
284210	170/ 175/ 200x	60	WF-WB702	170	175	200	60
284215	170/ 175/ 200x	90	WF-WB702	170	175	200	90
284220	180/ 185/ 215x	60	WF-WB702	180	185	215	60
284225	180/ 185/ 215x	90	WF-WB702	180	185	215	90
284240	190/ 195/ 225x	60	WF-WB702	190	195	225	60
284245	190/ 195/ 225x	90	WF-WB702	190	195	225	90
284255	200/ 205/ 235x	60	WF-WB702	200	205	235	60
284260	200/ 205/ 235x	90	WF-WB702	200	205	235	90

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