



WB800

WB800-bearings with or without flange are intended for radial and axial movements. The bearings are wrapped of a coldformable 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 diamond-shaped lubrication indents on the bearing-surface. These indents serve as lubricant reservoirs i.a. to rapidly build up a lubrication film in the moment of start and therewith reduce the start friction.

The properties of the WB800-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/mm ²
Tensile strength: (R_m)	ca 450 N/mm ²
Hardness:	ca 125-150 HB
Friction:	0,08-0,25 μ
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 gets 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 molybdenumdisulphide.

Benefits:

- High load capacity.
- Can be used in difficult circumstances.
- Good lubrication properties due to lubrication indents.
- High level thermal conductivity.
- Wide range of stock hold standard dimensions.

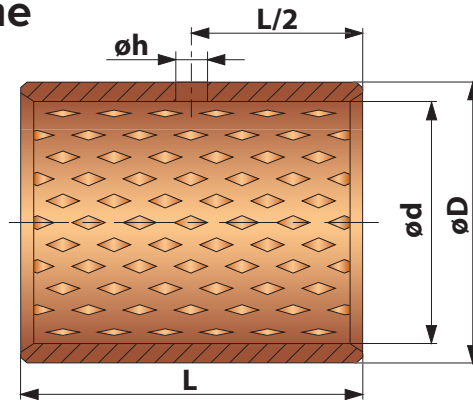
Special:

- Spherical-shaped lubrication indents.
- In- or outside lubrication grooves.
- Hardness 150-160 HB.
- Without lubrication indents.
- Other positions of tolerance.
- Flat or spherical thrust washers.

Typical applications:

- Forest machines.
- Agricultural machines.
- Excavators and diggers.
- Dumpers.
- Hydraulic cranes.
- Front loaders for tractors.
- Person lifts.

Dimension programme WB800



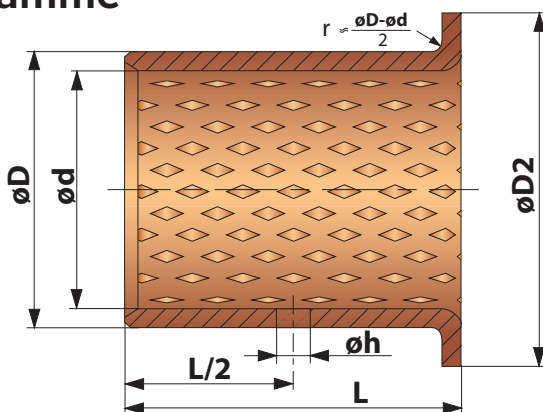
Code	Designation	d	D	L
150030	12/ 14x 15 WB800	12	14	15
150050	14/ 16x 15 WB800	14	16	15
150055	14/ 16x 20 WB800	14	16	20
150060	15/ 17x 15 WB800	15	17	15
150065	15/ 17x 25 WB800	15	17	25
150070	16/ 18x 15 WB800	16	18	15
150075	16/ 18x 20 WB800	16	18	20
150080	16/ 18x 25 WB800	16	18	25
150085	18/ 21x 15 WB800	18	21	15
150090	18/ 21x 20 WB800	18	21	20
150095	18/ 21x 25 WB800	18	21	25
150100	20/ 23x 15 WB800	20	23	15
150105	20/ 23x 20 WB800	20	23	20
150110	20/ 23x 25 WB800	20	23	25
150115	20/ 23x 30 WB800	20	23	30
150120	22/ 25x 15 WB800	22	25	15
150125	22/ 25x 20 WB800	22	25	20
150130	22/ 25x 25 WB800	22	25	25
150135	22/ 25x 30 WB800	22	25	30
150137	25/ 28x 15 WB800	25	28	15
150140	25/ 28x 20 WB800	25	28	20
150145	25/ 28x 25 WB800	25	28	25
150150	25/ 28x 30 WB800	25	28	30
150160	25/ 28x 50 WB800	25	28	50
150165	28/ 31x 15 WB800	28	31	15
150170	28/ 31x 25 WB800	28	31	25
150175	28/ 31x 30 WB800	28	31	30
150180	30/ 34x 20 WB800	30	34	20
150183	30/ 34x 25 WB800	30	34	25
150185	30/ 32x 30 WB800	30	32	30
150190	30/ 34x 30 WB800	30	34	30
150195	30/ 34x 40 WB800	30	34	40
150200	32/ 36x 20 WB800	32	36	20
150205	32/ 36x 30 WB800	32	36	30
150210	32/ 36x 40 WB800	32	36	40
150220	35/ 39x 20 WB800	35	39	20
150235	35/ 39x 30 WB800	35	39	30
150240	35/ 39x 40 WB800	35	39	40
150260	40/ 44x 20 WB800	40	44	20
150261	40/ 44x 25 WB800	40	44	25
150265	40/ 44x 30 WB800	40	44	30
150275	40/ 44x 40 WB800	40	44	40
150285	40/ 44x 50 WB800	40	44	50
150294	45/ 50x 16 WB800	45	50	16
150295	45/ 50x 20 WB800	45	50	20
150300	45/ 50x 30 WB800	45	50	30
150302	45/ 50x 40 WB800	45	50	40
150310	45/ 50x 50 WB800	45	50	50
150315	45/ 50x 60 WB800	45	50	60
150319	50/ 55x 25 WB800	50	55	25
150325	50/ 55x 30 WB800	50	55	30
150335	50/ 55x 40 WB800	50	55	40
150337	50/ 55x 50 WB800	50	55	50
150340	50/ 55x 60 WB800	50	55	60
150345	55/ 60x 40 WB800	55	60	40

Code	Designation	d	D	L
150350	55/ 60x 60 WB800	55	60	60
150360	60/ 65x 30 WB800	60	65	30
150365	60/ 65x 40-L WB800	60	65	40
150375	60/ 65x 45 WB800	60	65	45
150380	60/ 65x 60 WB800	60	65	60
150405	65/ 70x 40 WB800	65	70	40
150410	65/ 70x 60 WB800	65	70	60
150420	70/ 75x 40 WB800	70	75	40
150425	70/ 75x 45 WB800	70	75	45
150427	70/ 75x 50 WB800	70	75	50
150430	70/ 75x 60 WB800	70	75	60
150435	70/ 75x 80 WB800	70	75	80
150445	75/ 80x 40 WB800	75	80	40
150450	75/ 80x 80 WB800	75	80	80
150455	80/ 85x 40 WB800	80	85	40
150459	80/ 85x 50 WB800	80	85	50
150460	80/ 85x 60 WB800	80	85	60
150465	80/ 85x 80 WB800	80	85	80
150475	85/ 90x 40 WB800	85	90	40
150480	85/ 90x 80 WB800	85	90	80
150495	90/ 95x 40 WB800	90	95	40
150497	90/ 95x 50 WB800	90	95	50
150500	90/ 95x 60 WB800	90	95	60
150505	90/ 95x 90 WB800	90	95	90
150508	90/ 95x 70 WB800	90	95	70
150514	100/ 105x 40 WB800	100	105	40
150515	100/ 105x 50-L WB800	100	105	50
150520	100/ 105x 60 WB800	100	105	60
150525	100/ 105x 95 WB800	100	105	95
150529	105/ 110x 50 WB800	105	110	50
150540	110/ 115x 95-L WB800	110	115	95
150550	120/ 125x 50-L WB800	120	125	50
150555	120/ 125x 95-L WB800	120	125	95
150565	125/ 130x 100 WB800	125	130	100
150570	130/ 135x 60-L WB800	130	135	60
150575	130/ 135x 100-L WB800	130	135	100
150578	140/ 145x 50-L WB800	140	145	50
150580	140/ 145x 60-L WB800	140	145	60
150585	140/ 145x 100-L WB800	140	145	100
150605	150/ 155x 60-L WB800	150	155	60
150610	150/ 155x 100-L WB800	150	155	100
150615	160/ 165x 60-L WB800	160	165	60
150620	160/ 165x 100-L WB800	160	165	100
150635	170/ 175x 60-L WB800	170	175	60
150640	170/ 175x 100-L WB800	170	175	100
150645	180/ 185x 60-L WB800	180	185	60
150655	180/ 185x 100-L WB800	180	185	100
150658	190/ 195x 48-L WB800	190	195	48
150660	190/ 195x 60-L WB800	190	195	60
150665	190/ 195x 100 WB800	190	195	100
150675	200/ 205x 100-L WB800	200	205	100

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

("L" in the designation stand for lubricating hole.)

Dimension programme WF-WB800



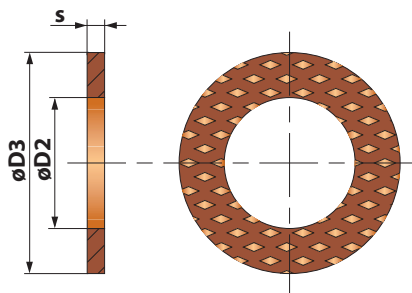
Code	Designation	d	D	D2	L
200010	20/ 23/ 30x 16 WF-WB800	20	23	30	16
200015	20/ 23/ 30x 20 WF-WB800	20	23	30	20
200020	25/ 28/ 35x 16 WF-WB800	25	28	35	16
200025	25/ 28/ 35x 25 WF-WB800	25	28	35	25
200030	30/ 34/ 45x 20 WF-WB800	30	34	45	20
200035	30/ 34/ 45x 30 WF-WB800	30	34	45	30
200040	35/ 39/ 50x 20 WF-WB800	35	39	50	20
200045	35/ 39/ 50x 35 WF-WB800	35	39	50	35
200050	40/ 44/ 55x 25 WF-WB800	40	44	55	25
200055	40/ 44/ 55x 40 WF-WB800	40	44	55	40
200065	45/ 50/ 60x 30 WF-WB800	45	50	60	30
200067	45/ 50/ 60x 40 WF-WB800	45	50	60	40
200070	45/ 50/ 60x 45 WF-WB800	45	50	60	45
200075	50/ 55/ 65x 30 WF-WB800	50	55	65	30
200080	50/ 55/ 65x 50 WF-WB800	50	55	65	50
200081	55/ 60/ 70x 30 WF-WB800	55	60	70	30
200082	55/ 60/ 70x 50 WF-WB800	55	60	70	50
200083	60/ 65/ 75x 25 WF-WB800	60	65	75	25
200085	60/ 65/ 75x 35 WF-WB800	60	65	75	35
200090	60/ 65/ 75x 50 WF-WB800	60	65	75	50
200095	60/ 65/ 75x 60 WF-WB800	60	65	75	60
200097	65/ 70/ 80x 40 WF-WB800	65	70	80	40
200098	65/ 70/ 80x 60 WF-WB800	65	70	80	60
200100	70/ 75/ 85x 35 WF-WB800	70	75	85	35
200102	70/ 75/ 85x 50 WF-WB800	70	75	85	50
200105	70/ 75/ 85x 70-L WF-WB800	70	75	85	70
200107	75/ 80/ 90x 40 WF-WB800	75	80	90	40
200108	75/ 80/ 90x 70 WF-WB800	75	80	90	70
200110	80/ 85/ 95x 40 WF-WB800	80	85	95	40
200115	80/ 85/ 95x 80-L WF-WB800	80	85	95	80
200120	90/ 95/ 110x 50 WF-WB800	90	95	110	50
200125	90/ 95/ 110x 90 WF-WB800	90	95	110	90
200135	100/105/120x 50 WF-WB800	100	105	120	50
200140	100/105/120x 90 WF-WB800	100	105	120	90
200150	110/ 115/130x 50-L WF-WB800	110	115	130	50
200155	110/ 115/130x 90-L WF-WB800	110	115	130	90
200160	120/125/145x 50-L WF-WB800	120	125	145	50
200165	120/125/145x 90-L WF-WB800	120	125	145	90
200170	130/135/155x 60-L WF-WB800	130	135	155	60
200175	130/135/155x 90-L WF-WB800	130	135	155	90
200180	140/145/165x 60-L WF-WB800	140	145	165	60
200185	140/145/165x 90-L WF-WB800	140	145	165	90
200190	150/155/180x 60-L WF-WB800	150	155	180	60
200195	150/155/180x 90-L WF-WB800	150	155	180	90
200200	160/165/190x 60-L WF-WB800	160	165	190	60
200205	160/165/190x 90-L WF-WB800	160	165	190	90
200210	170/175/200x 60-L WF-WB800	170	175	200	60
200215	170/175/200x 90-L WF-WB800	170	175	200	90
200220	180/185/215x 60-L WF-WB800	180	185	215	60
200225	180/185/215x 90-L WF-WB800	180	185	215	90
200240	190/195/225x 60-L WF-WB800	190	195	225	60
200245	190/195/225x 90-L WF-WB800	190	195	225	90
200250	195/200/225x 90-L WF-WB800	195	200	225	90
200255	200/205/235x 60-L WF-WB800	200	205	235	60
200260	200/205/235x 90-L WF-WB800	200	205	235	90

Code	Designation	d	D	D2	L
200281	230/235/265x 90 WF-WB800	230	235	265	90
200285	240/245/270x 85-L WF-WB800	240	245	270	85
200295	250/255/295x 50 WF-WB800	250	255	295	50
200298	295/300/ 331x 60-N WF-WB800	295	300	331	60
200302	300/305/336x 60-LN WF-WB800	300	305	336	60

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

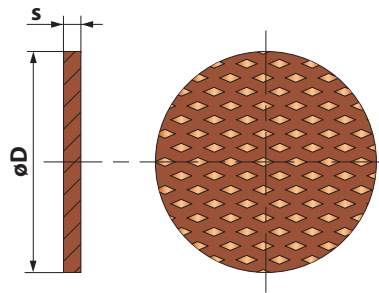
("L" resp. "N" in the designation stand for lubricating hole resp. lubricating groove)

WB800-Washers



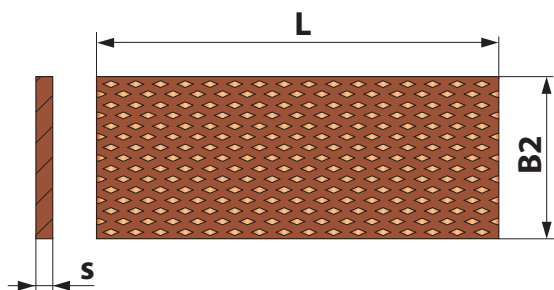
Washers can be supplied as desired.
NOTICE!! Demands a minimum quantity.

WB800-Blanks



Blanks can be supplied as desired.
NOTICE!! Demands a minimum quantity.

Dimension programme WB800-Sheets



Code	Designation	s	B2	L
150825	1,5X110X1000 SHEET WB800	1,5	110	1000
150830	2,0X110X1000 SHEET WB800	2,0	110	1000
150835	2,5X110X1000 SHEET WB800	2,5	110	1000
150851	2,5X110X1600 SHEET WB800	2,5	110	1600

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