



## WB802-T

WB802-T-bearings are intended for radial and axial movements in constructions where exceptional long lubrication intervals are wanted. The bearings are wrapped of a coldformable homogenous bronze, which because of this will obtain exceptional material properties.

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 there-with reduce the start friction.

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

<b>Material:</b>	Homogeneous bronze Cu 91,3%, Sn 8,5%, P 0,2%
<b>Yield point:</b> ( $R_{p0,2}$ )	ca 300 N/mm <sup>2</sup>
<b>Tensile strength:</b> ( $R_m$ )	ca 450 N/mm <sup>2</sup>
<b>Hardness:</b>	ca 125-150 HB
<b>Frition:</b>	0,08–0,25µ
<b>Max speed:</b>	2,5m/s
<b>Temperature range:</b>	-100 / +200 °C

Load	Speed
280 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

**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.

### Benefits:

- High load capacity.
- Specially intended for use in difficult and dirty circumstances.
- Good lubrication properties due to lubrication holes.
- High level thermal conductivity.
- Wide range of stock hold standard dimensions.
- Optimal lubrication intervals.
- Complete solution with integrerad seals.

### Special:

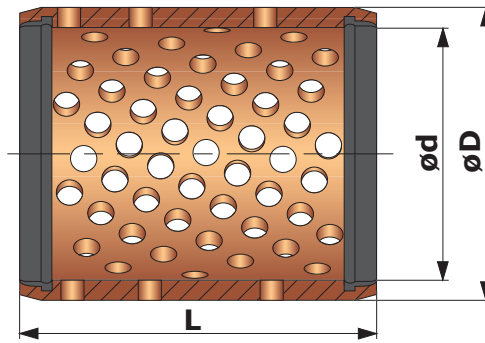
- Bearing with one seal.
- In- or outside lubrication grooves.
- WB800 with seals.
- Other positions of tolerance.

### Typical applications:

- Forest grapples.
- Agricultural machines.
- Mining machines.
- Bogies for trucks.
- Tunnel bore machines.

**D&E Bearings**  
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## Dimension programme WB802-T



Code	Designation	d	D	L
210180	30/ 34x 20 WB802-T	30	34	20
210190	30/ 34x 30 WB802-T	30	34	30
210195	30/ 34x 40 WB802-T	30	34	40
210200	32/ 36x 20 WB802-T	32	36	20
210205	32/ 36x 30 WB802-T	32	36	30
210210	32/ 36x 40 WB802-T	32	36	40
210220	35/ 39x 20 WB802-T	35	39	20
210235	35/ 39x 30 WB802-T	35	39	30
210240	35/ 39x 40 WB802-T	35	39	40
210245	35/ 39x 50 WB802-T	35	39	50
210260	40/ 44x 20 WB802-T	40	44	20
210265	40/ 44x 30 WB802-T	40	44	30
210275	40/ 44x 40 WB802-T	40	44	40
210285	40/ 44x 50 WB802-T	40	44	50
210300	45/ 50x 30 WB802-T	45	50	30
210302	45/ 50x 40 WB802-T	45	50	40
210310	45/ 50x 50 WB802-T	45	50	50
210315	45/ 50x 60 WB802-T	45	50	60
210325	50/ 55x 30 WB802-T	50	55	30
210335	50/ 55x 40 WB802-T	50	55	40
210337	50/ 55x 50 WB802-T	50	55	50
210340	50/ 55x 60 WB802-T	50	55	60
210345	55/ 60x 40 WB802-T	55	60	40
210350	55/ 60x 60 WB802-T	55	60	60
210360	60/ 65x 30 WB802-T	60	65	30
210365	60/ 65x 40 WB802-T	60	65	40
210380	60/ 65x 60 WB802-T	60	65	60
210390	60/ 65x 70 WB802-T	60	65	70
210405	65/ 70x 40 WB802-T	65	70	40
210410	65/ 70x 60 WB802-T	65	70	60
210420	70/ 75x 40 WB802-T	70	75	40
210430	70/ 75x 60 WB802-T	70	75	60
210435	70/ 75x 80 WB802-T	70	75	80
210445	75/ 80x 40 WB802-T	75	80	40
210450	75/ 80x 80 WB802-T	75	80	80
210455	80/ 85x 40 WB802-T	80	85	40
210460	80/ 85x 60 WB802-T	80	85	60
210465	80/ 85x 80 WB802-T	80	85	80
210475	85/ 90x 40 WB802-T	85	90	40
210480	85/ 90x 80 WB802-T	85	90	80
210495	90/ 95x 40 WB802-T	90	95	40
210497	90/ 95x 50 WB802-T	90	95	50
210500	90/ 95x 60 WB802-T	90	95	60
210505	90/ 95x 90 WB802-T	90	95	90
210510	100/ 105x 26 WB802-T	100	105	26
210515	100/ 105x 50 WB802-T	100	105	50
210525	100/ 105x 95 WB802-T	100	105	95

Code	Designation	Axle diameter
215020	WB802-T 20	20 mm
215030	WB802-T 30	30 mm
215032	WB802-T 32	32 mm
215035	WB802-T 35	35 mm
215040	WB802-T 40	40 mm
215045	WB802-T 45	45 mm
215050	WB802-T 50	50 mm
215055	WB802-T 55	55 mm
215060	WB802-T 60	60 mm
215065	WB802-T 65	65 mm
215070	WB802-T 70	70 mm
215075	WB802-T 75	75 mm
215080	WB802-T 80	80 mm
215090	WB802-T 90	90 mm
215100	WB802-T 100	100 mm

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