



Bimetal

Bimetal-bearing is a bimetal bearing, wrapped of steel sheets with a layer of lead bronze. The standard sizes are fitted with lubrication indents on the running surface. For standard bearings is normally the steel backing copper plated to improve the corrosion resistance.

The layer of lead bronze makes it possible to use these bearings with relative long lubrication intervals.

Bimetal-bearings can be manufactured with a thicker lead bronze layer for applications where the bearing has to be machined after mounting. The material of the layer can be fitted to the special needs for the application in question.

Technical data

Material: Copper plated steel backing, lead bronze layer (CuPb10Sn10)

Yield point: ($R_{p0,2}$) ca 240N/mm²

Tensile strength: (R_m)ca 350 N/mm²

Hardness ca 90 - 110 HB

Friction: Depends from the material and the performance of the layer.

Max speed: 3,0 m/s

Temperature range: -100 / +260 °C

Load	Speed
240 N/mm ²	0 m/s
120 N/mm ²	0,01 m/s
40 N/mm ²	2,0 m/s

Tolerances: Housing H7, recommended tolerance for the shaft, h8.

Lubrication: Additional lubrication ought to be done through the shafts or radial through the housings.

All customary greases can be used.

Bimetal-bearings need in most of cases very little additional lubrication.

Benefits:

- Rather high load capacity.
- Possibility to machine the inside diameter after mounting.
- High level thermal conductivity.
- Good chemical resistance.
- Wide range of temperature.

Special:

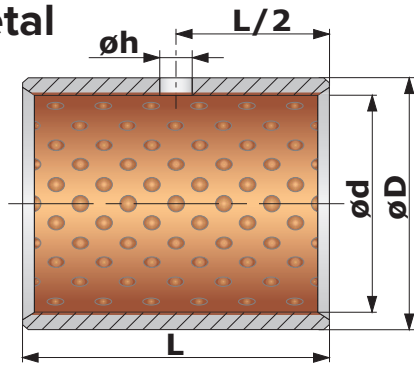
- In- or outside lubrication grooves.
- Several alternative layer materials.
- Without lubrication indents.
- Other positions of tolerance.
- Flat or spherical thrust washers.
- Drawing details.

Typical applications:

- Hoisting applications.
- Hydraulic cylinders.
- Hydraulic motors.
- Pneumatic.
- Textile machines.

Dimension programme

Bimetal



**NOTICE THAT THESE BEARINGS
ARE NOT IN STOCK!!!**

Code	Designation	d	D	L
Not in stock	10/ 12x 10 SWPB	10	12	10
Not in stock	10/ 12x 15 SWPB	10	12	15
Not in stock	10/ 12x 20 SWPB	10	12	20
Not in stock	12/ 14x 10 SWPB	12	14	10
Not in stock	12/ 14x 15 SWPB	12	14	15
Not in stock	12/ 14x 20 SWPB	12	14	20
Not in stock	14/ 16x 10 SWPB	14	16	10
Not in stock	14/ 16x 15 SWPB	14	16	15
Not in stock	14/ 16x 20 SWPB	14	16	20
Not in stock	15/ 17x 10 SWPB	15	17	10
Not in stock	15/ 17x 15 SWPB	15	17	15
Not in stock	15/ 17x 20 SWPB	15	17	20
Not in stock	16/ 18x 10 SWPB	16	18	10
Not in stock	16/ 18x 15 SWPB	16	18	15
Not in stock	16/ 18x 20 SWPB	16	18	20
Not in stock	18/ 20x 10 SWPB	18	20	10
Not in stock	18/ 20x 15 SWPB	18	20	15
Not in stock	18/ 20x 20 SWPB	18	20	20
Not in stock	18/ 20x 25 SWPB	18	20	25
Not in stock	20/ 23x 10 SWPB	20	23	10
Not in stock	20/ 23x 15 SWPB	20	23	15
Not in stock	20/ 23x 20 SWPB	20	23	20
Not in stock	20/ 23x 25 SWPB	20	23	25
Not in stock	22/ 25x 10 SWPB	22	25	10
Not in stock	22/ 25x 15 SWPB	22	25	15
Not in stock	22/ 25x 20 SWPB	22	25	20
Not in stock	22/ 25x 25 SWPB	22	25	25
Not in stock	25/ 28x 15 SWPB	25	28	15
Not in stock	25/ 28x 20 SWPB	25	28	20
Not in stock	25/ 28x 25 SWPB	25	28	25
Not in stock	25/ 28x 30 SWPB	25	28	30
Not in stock	28/ 32x 15 SWPB	28	32	15
Not in stock	28/ 32x 20 SWPB	28	32	20
Not in stock	28/ 32x 25 SWPB	28	32	25
Not in stock	28/ 32x 30 SWPB	28	32	30
Not in stock	28/ 32x 40 SWPB	28	32	40
Not in stock	30/ 34x 15 SWPB	30	34	15
Not in stock	30/ 34x 20 SWPB	30	34	20
Not in stock	30/ 34x 25 SWPB	30	34	25
Not in stock	30/ 34x 30 SWPB	30	34	30
Not in stock	30/ 34x 40 SWPB	30	34	40
Not in stock	32/ 36x 15 SWPB	32	36	15
Not in stock	32/ 36x 20 SWPB	32	36	20
Not in stock	32/ 36x 25 SWPB	32	36	25
Not in stock	32/ 36x 30 SWPB	32	36	30
Not in stock	32/ 36x 40 SWPB	32	36	40
Not in stock	35/ 39x 20 SWPB	35	39	20
Not in stock	35/ 39x 25 SWPB	35	39	25
Not in stock	35/ 39x 30 SWPB	35	39	30
Not in stock	35/ 39x 40 SWPB	35	39	40
Not in stock	35/ 39x 50 SWPB	35	39	50
Not in stock	38/ 42x 20 SWPB	38	42	20
Not in stock	38/ 42x 25 SWPB	38	42	25
Not in stock	38/ 42x 30 SWPB	38	42	30

Code	Designation	d	D	L
Not in stock	38/ 42x 40 SWPB	38	42	40
Not in stock	38/ 42x 50 SWPB	38	42	50
Not in stock	40/ 44x 20 SWPB	40	44	20
Not in stock	40/ 44x 25 SWPB	40	44	25
Not in stock	40/ 44x 30 SWPB	40	44	30
Not in stock	40/ 44x 40 SWPB	40	44	40
Not in stock	40/ 44x 50 SWPB	40	44	50
Not in stock	45/ 50x 40 SWPB	45	50	40
Not in stock	45/ 50x 50 SWPB	45	50	50
Not in stock	50/ 55x 30 SWPB	50	55	30
Not in stock	50/ 55x 40 SWPB	50	55	40
Not in stock	50/ 55x 50 SWPB	50	55	50
Not in stock	50/ 55x 60 SWPB	50	55	60
Not in stock	55/ 60x 30 SWPB	55	60	30
Not in stock	55/ 60x 40 SWPB	55	60	40
Not in stock	55/ 60x 50 SWPB	55	60	50
Not in stock	55/ 60x 60 SWPB	55	60	60
Not in stock	60/ 65x 30 SWPB	60	65	30
Not in stock	60/ 65x 40 SWPB	60	65	40
Not in stock	60/ 65x 50 SWPB	60	65	50
Not in stock	60/ 65x 60 SWPB	60	65	60
Not in stock	65/ 70x 30 SWPB	65	70	30
Not in stock	65/ 70x 40 SWPB	65	70	40
Not in stock	65/ 70x 50 SWPB	65	70	50
Not in stock	65/ 70x 60 SWPB	65	70	60
Not in stock	70/ 75x 30 SWPB	70	75	30
Not in stock	70/ 75x 40 SWPB	70	75	40
Not in stock	70/ 75x 50 SWPB	70	75	50
Not in stock	70/ 75x 60 SWPB	70	75	60
Not in stock	70/ 75x 80 SWPB	70	75	80
Not in stock	75/ 80x 40 SWPB	75	80	40
Not in stock	75/ 80x 50 SWPB	75	80	50
Not in stock	75/ 80x 60 SWPB	75	80	60
Not in stock	80/ 85x 40 SWPB	80	85	40
Not in stock	80/ 85x 50 SWPB	80	85	50
Not in stock	80/ 85x 60 SWPB	80	85	60
Not in stock	80/ 85x 80 SWPB	80	85	80
Not in stock	85/ 90x 50 SWPB	85	90	50
Not in stock	85/ 90x 60 SWPB	85	90	60
Not in stock	85/ 90x 80 SWPB	85	90	80
Not in stock	85/ 90x 100 SWPB	85	90	100
Not in stock	90/ 95x 50 SWPB	90	95	50
Not in stock	90/ 95x 60 SWPB	90	95	60
Not in stock	90/ 95x 80 SWPB	90	95	80
Not in stock	90/ 95x 100 SWPB	90	95	100
Not in stock	95/ 100x 60 SWPB	95	100	60
Not in stock	95/ 100x 80 SWPB	95	100	80
Not in stock	95/ 100x 90 SWPB	95	100	90
Not in stock	95/ 100x 100 SWPB	95	100	100
Not in stock	100/ 105x 60 SWPB	100	105	60
Not in stock	100/ 105x 80 SWPB	100	105	80
Not in stock	100/ 105x 90 SWPB	100	105	90
Not in stock	100/ 105x 100 SWPB	100	105	100
Not in stock	105/ 110x 60 SWPB	105	110	60
Not in stock	105/ 110x 80 SWPB	105	110	80
Not in stock	105/ 110x 100 SWPB	105	110	100
Not in stock	110/ 115x 60 SWPB	110	115	60
Not in stock	110/ 115x 80 SWPB	110	115	80
Not in stock	110/ 115x 100 SWPB	110	115	100
Not in stock	120/ 125x 50 SWPB	120	125	50
Not in stock	120/ 125x 60 SWPB	120	125	60
Not in stock	120/ 125x 100 SWPB	120	125	100
Not in stock	130/ 135x 60 SWPB	130	135	60
Not in stock	130/ 135x 100 SWPB	130	135	100
Not in stock	140/ 145x 60 SWPB	140	145	60
Not in stock	140/ 145x 80 SWPB	140	145	80
Not in stock	140/ 145x 100 SWPB	140	145	100
Not in stock	150/ 155x 60 SWPB	150	155	60
Not in stock	150/ 155x 80 SWPB	150	155	80
Not in stock	150/ 155x 100 SWPB	150	155	100

Other dimensions and designs can be supplied on request.

All measures in mm.