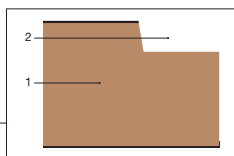
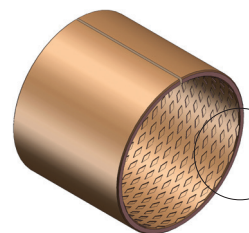
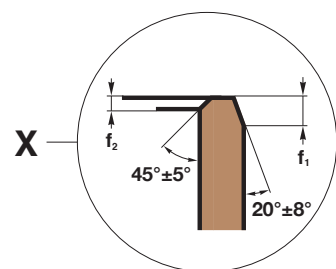
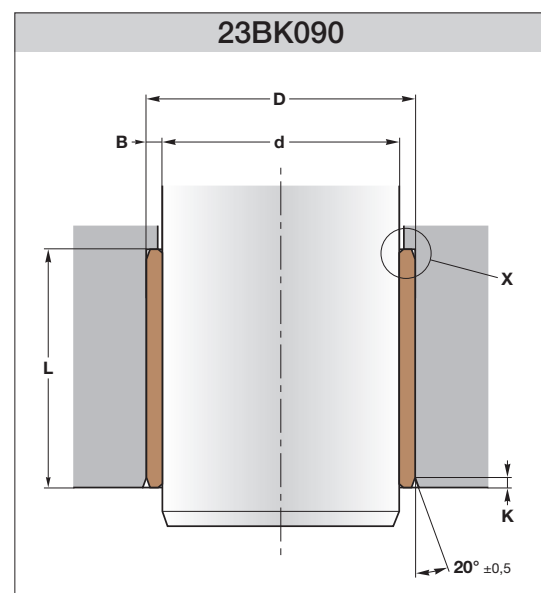




23BK090



- 1 Bronze
2 Lubrication pockets



D	K
< 50	0,8 ±0,3
50 < 150	1,5 ±0,5
> 150	2,5 ±1

B	f1	f2
1	0,6	0,3
1,5	0,6	0,4
2	1,2	0,4
2,5	1,8	0,6

Tolerances		
d	D	L
h7 - h8	H7	± 0,25

Bronze wrapped rolled bushings

23BK090 bronze wrapped bushings are entirely made of bronze CuSn8.

They are fitted with diamond shaped lubrication indents on the bearing surface.

The indents serve as lubricant reservoirs to rapidly build up a lubricating film at the start of movement, allowing to reduce the running friction, resulting in an excellent and prolonged operation.

These bronze bearings have been developed for **high-load applications at lower speeds** and are especially suited for oscillating movements. They are perfect for polluted working conditions such as in the construction or agricultural industries.

Technical specification

Temperature	- 100 to + 150°C
Friction coefficient	0,08 to 0,25
Maximum load	
Dynamic	40 N/mm²
Static	120 N/mm²
Maximum speed	
With grease	2 m/s
In hydrodynamic working	> 2 m/s
PV-factorwith	
Grease	2,8 N/mm². m/s
In hydrodynamic working	10 N/mm². m/s
Shaft roughness	Ra < 0,8 µm
Shaft hardness	HB > 400

Advantages

- Maintenance-free applications
- Re-lubrication possible
- Suitable for contaminated environments
- Shock and vibration proof
- Good wear resistance
- Good corrosion resistance
- Low clearance during operation
- Limited dimensions

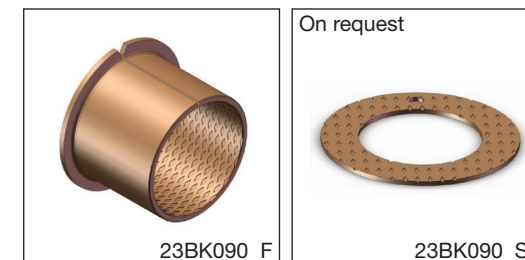
Please contact us for applications approaching maximum values.



d	D	L	Reference
10	12	10	23BK090 1010
	12	15	23BK090 1015
12	14	10	23BK090 1210
	14	15	23BK090 1215
14	16	15	23BK090 1415
	16	20	23BK090 1420
	16	25	23BK090 1425
15	17	15	23BK090 1515
	17	20	23BK090 1520
	17	25	23BK090 1525
16	18	15	23BK090 1615
	18	20	23BK090 1620
	18	25	23BK090 1625
18	21	15	23BK090 1815
	21	20	23BK090 1820
	21	25	23BK090 1825
20	23	10	23BK090 2010
	23	15	23BK090 2015
	23	20	23BK090 2020
	23	25	23BK090 2025
	23	30	23BK090 2030
22	25	15	23BK090 2215
	25	20	23BK090 2220
	25	25	23BK090 2225
	25	30	23BK090 2230
	25	30	23BK090 2230
25	28	15	23BK090 2515
	28	20	23BK090 2520
	28	25	23BK090 2525
	28	30	23BK090 2530
	28	30	23BK090 2530
28	31	15	23BK090 2815
	31	20	23BK090 2820
	31	25	23BK090 2825
	31	30	23BK090 2830
	32	20	23BK090 2820/1
30	34	20	23BK090 3020
	34	25	23BK090 3025
	34	30	23BK090 3030
	34	40	23BK090 3040

NET SEALS
Your partner beyond hydraulics

d	D	L	Reference
32	36	20	23BK090 3220
	36	30	23BK090 3230
	36	40	23BK090 3240
35	39	15	23BK090 3515
	39	20	23BK090 3520
	39	25	23BK090 3525
	39	30	23BK090 3530
	39	35	23BK090 3535
	39	40	23BK090 3540
	39	50	23BK090 3550
40	44	20	23BK090 4020
	44	25	23BK090 4025
	44	30	23BK090 4030
	44	40	23BK090 4040
	44	50	23BK090 4050
45	50	20	23BK090 4520
	50	25	23BK090 4525
	50	30	23BK090 4530
	50	40	23BK090 4540
	50	45	23BK090 4545
	50	50	23BK090 4550
	50	60	23BK090 4560
50	55	30	23BK090 5030
	55	40	23BK090 5040
	55	50	23BK090 5050
	55	60	23BK090 5060
55	60	20	23BK090 5520
	60	40	23BK090 5540
	60	50	23BK090 5550
	60	60	23BK090 5560

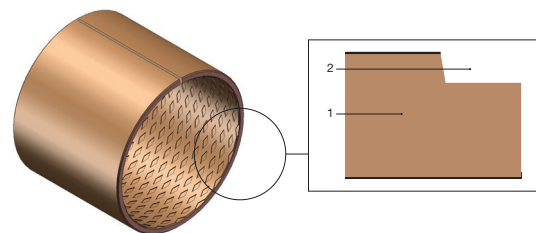


We produce bushings with an external diameter from 4,5 to 305 mm;
a thickness from 0,5 mm to 3 mm and height up to 200 mm.



23BK090

Bronze wrapped rolled bushings



- 1 Bronze
2 Lubrication pockets

23BK090 bronze wrapped bushings are entirely made of bronze CuSn8.

They are fitted with diamond shaped lubrication indents on the bearing surface.

The indents serve as lubricant reservoirs to rapidly build up a lubricating film at the start of movement, allowing to reduce the running friction, resulting in an excellent and prolonged operation.

These bronze bearings have been developed for **high-load applications at lower speeds** and are especially suited for oscillating movements. They are perfect for polluted working conditions such as in the construction or agricultural industries.

Technical specification

Temperature - 100 to + 150°C
Friction coefficient 0,08 to 0,25

Maximum load

Dynamic 40 N/mm²
Static 120 N/mm²

Maximum speed

With grease 2 m/s
In hydrodynamic working > 2 m/s

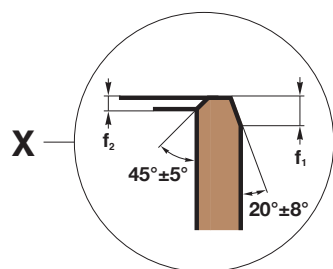
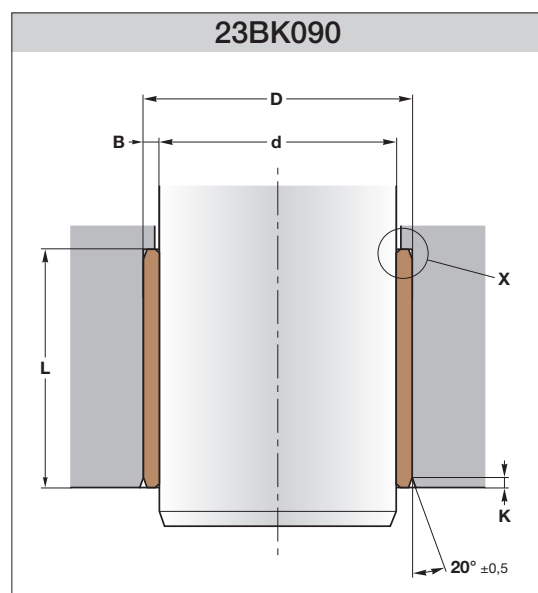
PV-factorwith

Grease 2,8 N/mm². m/s
In hydrodynamic working 10 N/mm². m/s
Shaft roughness Ra < 0,8 µm
Shaft hardness HB > 400

Advantages

Maintenance-free applications
Re-lubrication possible
Suitable for contaminated environments
Shock and vibration proof
Good wear resistance
Good corrosion resistance
Low clearance during operation
Limited dimensions

Please contact us for applications approaching maximum values.



D	K
< 50	0,8 ±0,3
50 < 150	1,5 ±0,5
> 150	2,5 ±1

B	f1	f2
1	0,6	0,3
1,5	0,6	0,4
2	1,2	0,4
2,5	1,8	0,6

Tolerances		
d	D	L
h7 - h8	H7	± 0,25

d	D	L	Reference
58	63	30	23BK090 5830
60	65	30	23BK090 6030
	65	35	23BK090 6035
	65	40	23BK090 6040
	65	45	23BK090 6045
	65	50	23BK090 6050
	65	60	23BK090 6060
65	70	40	23BK090 6540
	70	50	23BK090 6550
	70	60	23BK090 6560
	70	70	23BK090 6570
70	75	40	23BK090 7040
	75	50	23BK090 7050
	75	60	23BK090 7060
	75	70	23BK090 7070
	75	80	23BK090 7080
75	80	40	23BK090 7540
	80	60	23BK090 7560
	80	80	23BK090 7580
80	85	40	23BK090 8040
	85	50	23BK090 8050
	85	60	23BK090 8060
	85	80	23BK090 8080
85	90	40	23BK090 8540
	90	80	23BK090 8580
90	95	40	23BK090 9040
	95	50	23BK090 9050
	95	60	23BK090 9060
	95	80	23BK090 9080
	95	90	23BK090 9090
95	100	60	23BK090 9560

d	D	L	Reference
100	105	50	23BK090 10050
	105	60	23BK090 10060
	105	80	23BK090 10080
	105	95	23BK090 10095
110	115	60	23BK090 11060
120	125	25	23BK090 12025
	125	50	23BK090 12050
	125	100	23BK090 120100
130	135	60	23BK090 13060
	135	100	23BK090 130100
140	145	100	23BK090 140100
150	155	30	23BK090 15030
	155	60	23BK090 15060
	155	80	23BK090 15080
	155	100	23BK090 150100
160	165	100	23BK090 160100
170	175	60	23BK090 17060
180	185	60	23BK090 18060
	185	100	23BK090 180100
240	245	100	23BK090 240100

