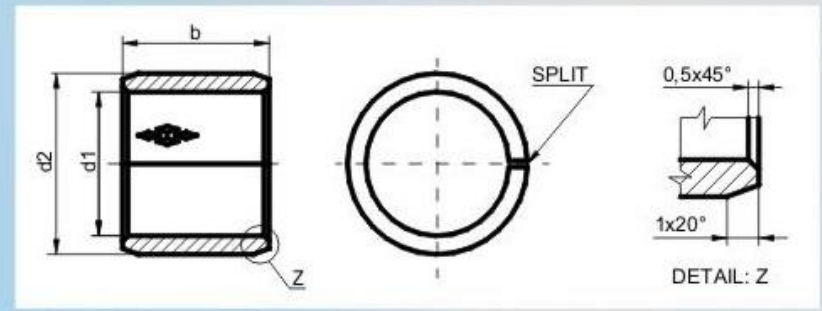
B 90 WRAPPED BUSHES WITH GREASE POCKETS (DIN 1494)

B90 - bearings with or without flange are intended for radial and axial movements. The bearings are manufactured of a cold formable 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 movement of start and therewith reduce the start friction. The properties of the B90 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.



Material: CuSn8 to DIN 17662

Dimensions in mm

d_1 (H9 after pressing in)	d_2	length b										
		10	15	20	25	30	40	50	60	80	90	100
10	12	●	●									
12	14	●	●	●								
14	16	●	●	●	●							
15	17	●	●	●	●							
16	18	●	●	●	●							
18	20	●	●	●	●							
20	23	●	●	●	●	●						
22	25		●	●	●	●	●					
25	28		●	●	●	●	●					
28	31		●	●	●	●	●					
30	34		●	●	●	●	●					
32	36		●	●	●	●	●					
35	39		●	●	●	●	●	●				
40	44			●	●	●	●	●	●			
45	50			●	●	●	●	●	●			
50	55				●	●	●	●	●			
55	60				●	●	●	●	●			
60	65				●	●	●	●	●	●		
65	70					●	●	●	●	●		
70	75					●	●	●	●	●		
75	80					●	●	●	●	●		
80	85					●	●	●	●	●		
85	90					●	●	●	●	●		
90	95						●	●	●	●	●	●
95	100						●	●	●	●	●	●
100	105								●	●	●	●
105	110								●	●	●	●
110	115								●	●	●	●
115	120								●	●	●	●
120	125								●	●	●	●

Order example: B90 - 32 x 25 B90 - 3225

material — B90 - diameter d_1 — length b

Chemical compositions

Material type	Cu%	Sn%	P%	Pb%	Zn%
FB090	91,3	8,5	0,2	-	-

Tech. Data

Max. Load	Static	120N/mm²	Hardness	HB 110-150
	Dynamic	40N/mm²	Elongation	40%
Max. Speed		2m/s	Temp.	-100°C~+200°C
Max. PV		2,8N/mm²*m/s	Friction coefficient	0,08~0,25
Tensile strength		450N/mm²	Thermal conductivity	60W(m*k)⁻¹
Yield point		250N/mm²	Coef. of thermal expansion	15*10⁻⁶k⁻¹