



DRY CONDITIONS BEARINGS



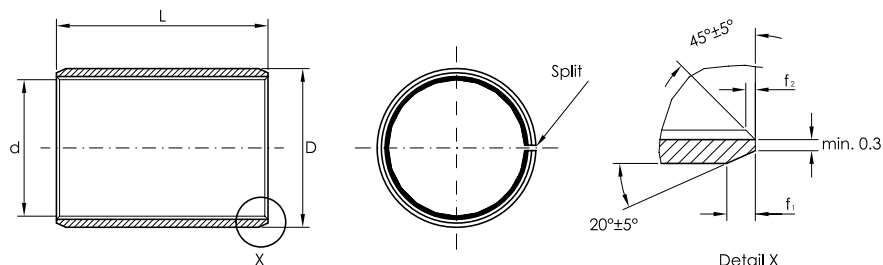
Steel /sintered porous bronze / PTFE

Stainless Steel AISI 316 / sintered porous bronze / PTFE (Available on request)

High mechanical resistance. Good electrical and thermal conductivity. Chemical inertia to industrial solvents. Performance increases thanks to fluid presence. Stick slip almost absent.

- Recommended shafts: **iron alloy, stainless steel chrome plated or anodized aluminium**
- Not recommended: **bronze, aluminum and phosphate-coated and nickel plated (max roughness 0,24 μ CLS)**
- Recommended shafts tolerances: **3 ~ 4 = h6 / 5 ~ 75 = f7 / 80 ~ 300 = h8**
- Recommended seat tolerances: **4,5 = H6 / 5 ~ 300 = H7**

Max. load	Static	250N / mm ²
	Very low speed	140N / mm ²
	Rotating oscillating	60N / mm ²
Max. PV dry running	Short-term operation	3,6N / mm ² *m/s
	Continuous operation	1,8N / mm ² *m/s
Thermal conductivity	-195°C ~ + 280°C	
Coefficient of thermal expansion	0,03 ~ 0,20	
Max. speed	Dry running	2m/s
	Hydrodynamic operation	>2m/s
Thermal conductivity	42W (m*K) ⁻¹	
Coefficient of thermal expansion	11*10 ⁻⁶ (K ⁻¹)	



unit: mm

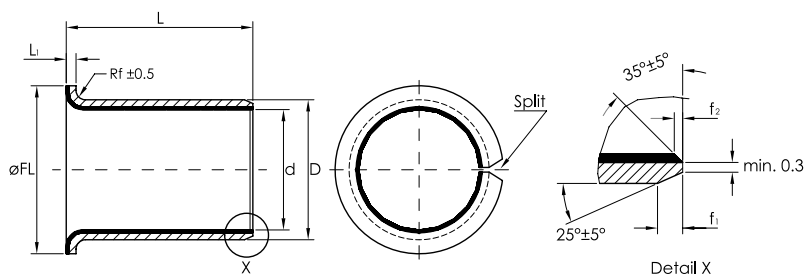
CODE	Diameters		Thickness		f1	f2	Ø d assembled		Length (L)				0	
	Ø d	Ø D	min	max			min	max					-0,4	
CP	3	4,5	0,73	0,75	0,3	0,3	+0,000	+0,048	3	4	5	6		
CP	4	5,5							3	4	6	10		
CP	5	7							5	8	10			
CP	6	8							6	8	10			
CP	7	9							10					
CP	8	10							8	10	12			
CP	10	12	0,98	1,01	0,6	0,3	+0,058	+0,055	8	10	12	15	20	
CP	12	14							8	10	12	15	20	25
CP	13	15							10					
CP	14	16							10	12	15	20	25	
CP	15	17							10	12	15	20	25	
CP	16	18							10	12	15	20	25	
CP	18	20	1,48	1,51	0,4	0,3	+0,061	+0,058	15	20	25			
CP	20	23							10	15	20	25	30	
CP	22	25							15	20	25	30		
CP	24	27							15	20	25	30		
CP	25	28							15	20	25	30	50	
CP	28	32							20	30				
CP	30	34	1,97	2,01	1,2	0,4	+0,085	+0,071	15	20	25	30	40	
CP	32	36							30	40				
CP	35	39							20	30	40	50		
CP	40	44							20	30	40	50		
CP	45	50							20	30	40	50		
CP	50	55							30	40	50			
CP	55	60	2,46	2,51	1,8	0,6	+0,105	+0,110	20	30	40	50	60	
CP	60	65							40	50	60			
CP	65	70							30	40	60	70		
CP	70	75							50	70				
CP	75	80							40	50	70			
CP	80	85							50	60	80			
CP	85	90	2,44	2,49	1,8	0,6	+0,020	+0,155	60	100				
CP	90	95							60	100				
CP	95	100							60	100				
CP	100	105							60	100				
CP	105	110							60	115				
CP	110	115							60	115				
CP	115	120	2,42	2,47	1,8	0,6	+0,070	+0,210	50	60	70			
CP	120	125							60	100				
CP	125	130							100					
CP	130	135							60	100				
CP	135	140							60					
CP	140	145							60	100				
CP	150	155	2,42	2,47	1,8	0,6	+0,070	+0,216	60	100				
CP	160	165							60	100				
CP	170	175							60					
CP	180	185							100					
CP	200	205							100					
CP	220	225							100					
CP	250	255							100					
CP	300	305							100					

For bushings with dimensions (or tolerance) other than those listed in this catalogue, please consult us.



CPF

unit: mm



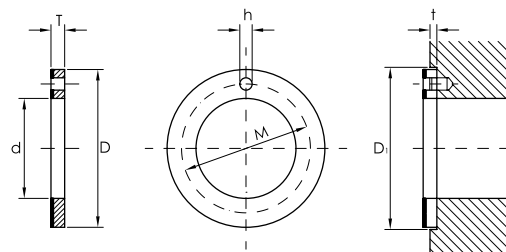
CODE	Diameters			Thickness		L1	f1	f2	Ø d assembled		Length (L)				+0,25
	Ø d	Ø D	Ø FL	min	max				min	max					-0,25
CPF	6	8	12	0,98	1,01	1	0,5	0,3	-0,010	+0,055	4	7	8		
CPF	8	10	15								5,5	7,5	9,5		
CPF	10	12	18								+0,058	7	9	12	17
CPF	12	14	20							7		9	12	17	
CPF	14	16	22							12		17			
CPF	15	17	23							9		12	17		
CPF	16	18	24							12		17			
CPF	18	20	26							+0,061	12	17	22		
CPF	20	23	30	+0,071	11,5	16,5	21,5								
CPF	25	28	35		11,5	16,5	21,5								
CPF	30	34	42	1,97	2,01	2	1	0,6		+0,085		16	26		
CPF	35	39	47								16	26			
CPF	40	44	53								26				



CPR

THRUST WASHER

unit: mm



CODE	Ø d +0,25 0	Ø D -0,25 0	M +0,12 -0,12	h +0,4 +0,1	T -0,05
CPR	10	20	15	1,5	1,5
CPR	12	24	18		
CPR	14	26	20		
CPR	16	30	23	2	
CPR	18	32	25		
CPR	20	36	28		
CPR	22	38	30	3	
CPR	24	42	33		
CPR	26	44	35		
CPR	28	48	38	4	
CPR	32	54	43		
CPR	38	62	50		
CPR	42	66	54		
CPR	48	74	61		
CPR	52	78	65		
CPR	62	90	76		2