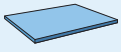
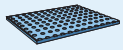
SKF bushings – technical data

	 **Solid bronze**	 **Sintered bronze**	 **Wrapped bronze**	 **PTFE composite**	 **POM composite**	 **PTFE polyamide**	 **Filament wound**
Temperature range, °C	–40 .. +250	–10 .. +90	–40 .. +150	–200 .. +250	–40 .. +110	–30 .. +110	–50 .. +140
Friction coefficient, μ	0,08 .. 0,15	0,05 .. 0,10	0,08 .. 0,15	0,03 .. 0,25	0,02 .. 0,20	0,06 .. 0,15	0,03 .. 0,08
Permissible load, N/mm^2							
– dynamic	25	10	40	80 (v ≤ 0,02)	120 (v ≤ 0,02)	40	140
– static	45	20	120	250	250	80	200
Permissible sliding velocity, m/s	0,5	0,25 .. 5	1,0	2,0 (p ≤ 1,0)	2,5 (p ≤ 1,0)	1,0	0,5
Shaft tolerance	e7 – e8	f7 – f8	e7 – f8	f7 – h8	h7 – h8	h8 – h9	h8
Housing tolerance	H7	H7	H7	H7	H7	H7	H7
Shaft roughness R_a, μm	0 .. 1,0	0,2 .. 0,8	0,4 .. 0,8	0 .. 0,4	0 .. 0,8	0 .. 0,8	0,2 – 0,4
Shaft hardness, HB	165 – 400	200 – 300	150 – 400	300 – 600	150 – 600	100 – 300	> 490
Assortment and product series designation	 PBM  PBMF	 PSM  PSMF	 PRM  PRMF	 PCM .. E  PCMF .. E  PCMW .. E  PCMS .. E	 PCM .. M  PCMW .. M  PCMS .. M	 PPM  PPMF	 PWM

The sliding velocity can be calculated using

$v = n \times \pi \times d / (60 \times 1\,000)$

where
v = sliding velocity, m/s
n = rotational speed, r/min
d = bore diameter of bushing, mm

The specific bearing load can be calculated using

$p = F / (d \times b)$

where
p = specific bearing load, N/mm^2
F = bearing load, N
d = bore diameter of bushing, mm
b = width of bushing, mm