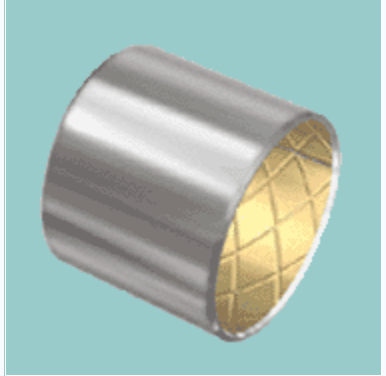

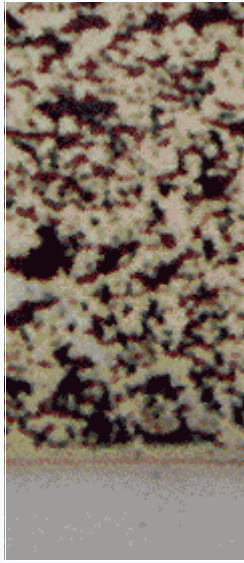


Characteristics	Applications	deva.bm®
<ul style="list-style-type: none"> Maintenance-free, thin-wall bearing material suitable for hostile environments High load capacity Tolerant of dirty and corrosive conditions Suitable for temperatures up to 250°C Optimum performance with low speed and intermittent movements 	Industrial <ul style="list-style-type: none"> Water turbines injection moulding machines tyre moulds packing machines printing machines construction equipment valves 	 

Composition & Structure	Operating Conditions		Availability
Steel + bronze + graphite (sintered lining); Stainless Steel + bronze + graphite (sintered lining)	dry	good	Ex Stock <ul style="list-style-type: none"> Cylindrical bushes To order <ul style="list-style-type: none"> Large cylindrical bushes spherical bearings thrust bearings strip and special parts
	oiled	good	
	greased	good	
	water	good	
	process fluid	poor	

Bearing Properties	Unit	Value	Microsection	
Dry				
Maximum sliding speed U	m/s	1	 Sintered bronze and graphite Steel or stainless steel	
Maximum PU factor	$N/mm^2 * m/s = W/mm^2$	1.5		
Coefficient of friction f	–	0.08-0.15		
Oil lubricated				
Maximum sliding speed U	m/s	-		
Maximum PU factor	$N/mm^2 * m/s = W/mm^2$	-		
Coefficient of friction f	–	-		
General				
Maximum temperature T _{max}	°C	+280		
Minimum temperature T _{min}	°C	-150		
Maximum load P static	N/mm^2	250		
Maximum load P dynamic	N/mm^2	80		
Shaft surface finish Ra	µm	0,2-0,8		
Shaft hardness	HB	>180		
Shaft hardness for longer service life	HB	-		