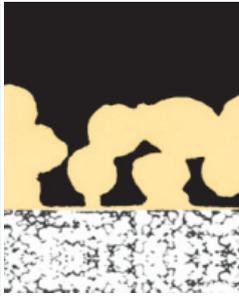


DX [®] 10 Bearing Material	Characteristics	Applications
	<ul style="list-style-type: none"> Lead-free [Compliance with the European Parliament's End of Life Vehicles directive (ref: 2000/53/EC) on the elimination of hazardous materials in the construction of passenger cars and light trucks] Excellent chemical and erosion resistance Good fatigue strength and wear performance Can be broached for tighter tolerances 	<p>General Greased or oiled applications with high load, high temperature, and contamination; ideal for replacing Bi-metal or Bronze bushings to achieve improved wear performance</p> <p>Automotive Kingpins, oil pumps</p> <p>Industrial Piston pumps, agriculture equipment, construction, lift and cranes, small reciprocating bushing</p>

Composition & Structure	Operating Conditions		Availability
Metal-polymer composite material Steel + porous bronze sinter + high tech polymer	dry	fair	<p>Ex Stock</p> <ul style="list-style-type: none"> N/A <p>To order</p> <ul style="list-style-type: none"> Cylindrical bushes, cylindrical bushes with oil hole, thrust washers, strips and special parts - with or without pin indents
	oiled	very good	
	greased	very good	
	water	poor	
	process fluid	fair	

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer High-tech polymer</p> <p>Porous bronze sinter</p> <p>Steel backing</p>	Greased		
	Maximum sliding speed v	m/s	2.5
	Maximum pv factor	MPa x m/s	2.8
	Coefficient of friction f	–	0.01-0.10
	Oil lubrication		
	Maximum sliding speed v	m/s	10.0
	Maximum pv factor	MPa x m/s	2.8
	Coefficient of friction f	–	0.01-0.06
	General		
	Maximum temperature T _{max}	°C	+175
	Minimum temperature T _{min}	°C	-40
	Maximum load p static	MPa	250
	Maximum load p dynamic	MPa	140
	Shaft surface finish R _a	µm	≤0.4
Shaft hardness - normal	HB	>200	
Shaft hardness - for longer service life	HB	>350	