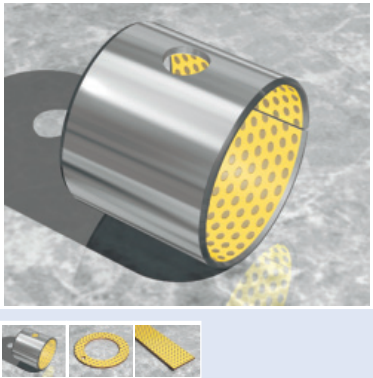



DX [®] Bearing Material	Characteristics	Applications
	<ul style="list-style-type: none"> • Marginally lubricated bearing material for grease or oil lubricated applications • Standard parts contain grease indents in the sliding layer; plain sliding layer available on request • Order-related also available with plain sliding layer • Optimum performance under relatively high loads and low speeds • Suitable for linear, oscillating and rotating movements • Wide range of parts available from stock 	<p>Automotive Steering gear, power steering, pedal bushes, seat slides, king-pin bushes, tailgate pivots, brake caliper bushes, etc.</p> <p>Industrial Mechanical handling and lifting equipment, machine slides, hydraulic cylinders, hydraulic motors, ski-lifts, pneumatic equipment, medical equipment, textile machinery, agricultural equipment, scientific equipment, etc.</p>

Composition & Structure	Operating Conditions		Availability
Metal-polymer composite material Steel + porous bronze sinter + POM with lubrication indents	dry oiled greased water process fluid	poor good very good poor poor	<p>Ex Stock</p> <ul style="list-style-type: none"> • Cylindrical standard bushes, roll-formed bushes, thrust washers and strip <p>To order</p> <ul style="list-style-type: none"> • Non-standard parts

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer Acetal-Copolymer, with or without lubrication indents, machineable on request</p> <p>Porous bronze sinter</p> <p>Steel backing</p>	<p>Dry</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p>Grease lubrication</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p>General</p> <p>Maximum temperature T_{max}</p> <p>Minimum temperature T_{min}</p> <p>Maximum load p static</p> <p>Maximum load p dynamic</p> <p>Shaft surface finish R_a</p> <p>Shaft hardness - normal</p> <p>Shaft hardness - for longer service life</p>	<p>m/s</p> <p>MPa x m/s</p> <p>–</p> <p>m/s</p> <p>MPa x m/s</p> <p>–</p> <p>°C</p> <p>°C</p> <p>MPa</p> <p>MPa</p> <p>µm</p> <p>HB</p> <p>HB</p>	<p>-</p> <p>-</p> <p>-</p> <p>2.5</p> <p>2.8</p> <p>0.06-0.12</p> <p>+130</p> <p>-40</p> <p>140</p> <p>70</p> <p>≤0,4</p> <p>>200</p> <p>>350</p>