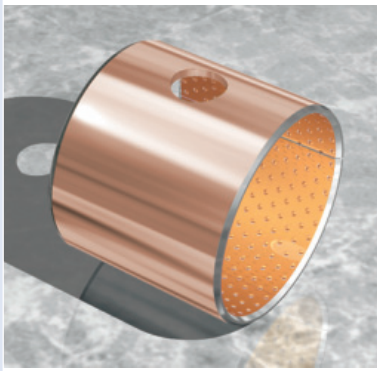
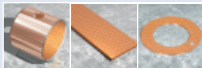
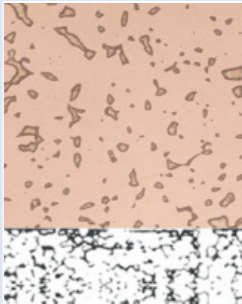


SY™ Bearing Material	Characteristics	Applications
 	<ul style="list-style-type: none"> Steel-Leadbronze-Compound with indents as reservoir for the grease High load capacity, very good resistance to fatigue strength at higher temperatures Applicable in rough operation conditions Particularly suitable for high specific loads with oscillating motion and low frequency Fine turned shafts suitable 	<p>Industrial</p> <p>Mechanical handling and lifting equipment, hydraulic cylinders, agricultural equipment, off highway equipment etc.</p>

Composition & Structure	Operating Conditions	Availability										
Steel-leadbronze compound material St + CuPb10Sn10 with indents	<table border="1"> <tr> <td>dry</td> <td>poor</td> </tr> <tr> <td>oiled</td> <td>good</td> </tr> <tr> <td>greased</td> <td>very good</td> </tr> <tr> <td>water</td> <td>poor</td> </tr> <tr> <td>process fluid</td> <td>poor</td> </tr> </table>	dry	poor	oiled	good	greased	very good	water	poor	process fluid	poor	<p>Ex Stock</p> <ul style="list-style-type: none"> N/A <p>To order</p> <ul style="list-style-type: none"> Cylindrical bushes, thrust washers, strips and non-standard parts
dry	poor											
oiled	good											
greased	very good											
water	poor											
process fluid	poor											

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer Stannous, lead, bronze alloy group CuPb10Sn10 consists of approx. 80% Cu, 10% Pb, 10% Sn</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>m/s</p> <p>MPa x m/s</p> <p>–</p>	<p>-</p> <p>-</p> <p>-</p>
	<p>Grease / Oil lubrication</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f, greased/oiled</p>	<p>m/s</p> <p>MPa x m/s</p> <p>–</p>	<p>2.5</p> <p>2.8</p> <p>0.05-0.12 / 0.04-0.12</p>
	<p>General</p> <p>Maximum temperature T_{max}, greased/oiled</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>°C</p> <p>°C</p> <p>MPa</p> <p>MPa</p> <p>µm</p> <p>HB</p> <p>HB</p>	<p>+150 / +250</p> <p>-40</p> <p>300</p> <p>140</p> <p>≤0.8</p> <p>>200</p> <p>>350</p>