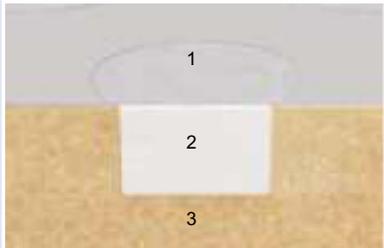


DB™ Bearing Material	Characteristics	Applications
 	<ul style="list-style-type: none"> • Maintenance-free bearing material for heavy duty applications • Excellent performance under high loads and intermittent operation • Graphite-free with solid lubricants • Long life time due to lower wear rate of solid lubricants compared to graphite 	<p>Industrial Offshore industry, underwater equipment, bridges and civil engineering, iron and steel industry equipment, cranes and conveyors, deep and open cast mining equipment, construction and earthmoving equipment, etc.</p>

Composition & Structure	Operating Conditions	Availability										
Cast bronze + solid lubricant inserts	<table border="1"> <tr> <td>dry</td> <td>good</td> </tr> <tr> <td>oiled</td> <td>good</td> </tr> <tr> <td>greased</td> <td>good</td> </tr> <tr> <td>water</td> <td>good</td> </tr> <tr> <td>process fluid</td> <td>fair</td> </tr> </table>	dry	good	oiled	good	greased	good	water	good	process fluid	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, flanged bushes, thrust washers, self-aligning bearings, sliding plates
dry	good											
oiled	good											
greased	good											
water	good											
process fluid	fair											

Microsection	Bearing Properties	Unit	Value
 <p>1 Sliding surface with running-in film 2 Solid lubricant insert 3 Support (bronze)</p>	<p>Dry</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p>Oil 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</p>	<p>ft/min</p> <p>psi x ft/min</p> <p>–</p> <p>ft/min</p> <p>psi x ft/min</p> <p>–</p> <p>°F</p> <p>°F</p> <p>psi</p> <p>psi</p> <p>µin</p> <p>HB</p>	<p>100</p> <p>43,000</p> <p>0.05-0.18</p> <p>-</p> <p>-</p> <p>-</p> <p>+660</p> <p>-60</p> <p>30,000</p> <p>14,500</p> <p>8-32</p> <p>>200</p>