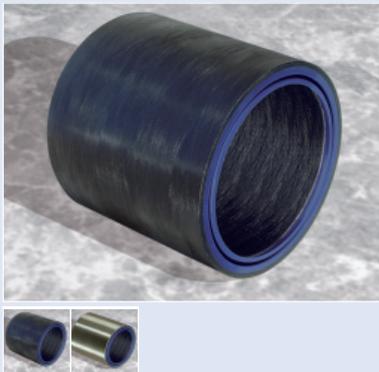


SBC™ Sealed Bearing Cartridges	Characteristics	Applications
	<ul style="list-style-type: none"> • Self-lubricating • High static load capability • Excellent tolerance to shock loading and misalignment • Contamination resistant • Very good friction and wear properties • Good chemical resistance • Sealed to exclude contaminants, therefore extended service life • No grease required <ul style="list-style-type: none"> - therefore environmental friendly - cost savings by elimination of automated grease system and grease 	<p>Industrial</p> <p>Steering linkages, hydraulic cylinder pivots, king pin bearings, boom lifts, scissor lifts, cranes, hoists, lift gates, backhoes, trenchers, skid steer loaders, front end loaders, etc.</p>

Composition & Structure	Operating Conditions	Availability										
<p>Composite material with sealing</p> <p>SBC bearings are available with GAR-MAX® and HSG™ and are sealed to exclude contaminants.</p> <p>SBC are optionally available with a steel outer shell.</p>	<table border="1"> <tr> <td>dry</td> <td>very good</td> </tr> <tr> <td>oiled</td> <td>fair</td> </tr> <tr> <td>greased</td> <td>fair</td> </tr> <tr> <td>water</td> <td>fair</td> </tr> <tr> <td>process fluid</td> <td>fair</td> </tr> </table>	dry	very good	oiled	fair	greased	fair	water	fair	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, optionally available in a steel outer shell
dry	very good											
oiled	fair											
greased	fair											
water	fair											
process fluid	fair											

Microsection	Bearing Properties	Unit	Value GAR-MAX	Value HSG
	Dry			
	Maximum sliding speed v	m/s	0.13	0.13
	Maximum pv factor	MPa x m/s	1.05	1.05
	Oil lubrication			
	Maximum sliding speed v	m/s	-	-
	Maximum pv factor	MPa x m/s	-	-
	Coefficient of friction f	-	-	-
	General			
	Seal temperature limit - continuous	°C	+93	+93
	Seal temperature limit - intermittent	°C	+104	+104
	Maximum load p static	MPa	210	415
	Maximum load p dynamic	MPa	140	140
	Shaft surface finish R _a	µm	0.15-0.40	0.2-0.8
	Shaft hardness - normal	HB	>350	>350
	Shaft hardness - for longer service life	HB	>480	>480