


The Timken Company

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Part Number QACW18A303S, Single Concentric Piloted Flange Cartridge



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22218
Shaft Size	3 3/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QACW18A303SB QACW18A303SC QACW18A303SEB QACW18A303SEC QACW18A303SEM QACW18A303SEN QACW18A303SEO QACW18A303SET QACW18A303SM QACW18A303SN QACW18A303SO QACW18A303ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	0883450325141
	0883450325158
	0883450325165
	0883450325172
	0883450325189
	0883450325196
	0883450325202
	0883450325219
	0883450325226
	0883450325233
	0883450325240
	0883450325257

Dimensions

Dimension BC	8.63 in 219.2 mm
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Dimension B Exp	2.54 in 64.5 mm
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Dimension B Fix	2.46 in 62.5 mm
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Dimension C	5.13 in 130.3 mm
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Dimension D	7.13 in 181.1 mm
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Dimension E	6.1 in 154.9 mm
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Dimension F	10-1/4 in 260.4 mm
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Dimension G	7.375 in 187.3 mm
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Dimension H	0.88 in 22.4 mm
Dimension J (Bolt Size)	0.75 in 20 mm
Dimension KA	1.44 in 36.6 mm
Dimension L Exp	4.42 in 112.3 mm
Dimension L Fix	4.34 in 110.2 mm
Dimension M	2.59 in 65.8 mm
Dimension N	1.88 in 47.8 mm
Dimension RA	0.3 in 7.6 mm
Dimension SA	4.03 in 102.4 mm

Radial and Thrust Factors

C0 - Static Load	87200 lbf 388000 N
C - Dynamic Load (Basic)	79700 lbf 355000 N
e - Geometry Factor	0.23
Y1 - Geometry Factor	2.90
Y2 - Geometry Factor	4.31

Engineering Seal Speed

Oil Lubrication - M/N Seal	1400 rpm
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Oil Lubrication - T Seal	2400 rpm
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Oil Lubrication - B/C/O Seal	1000 rpm
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Grease Lubrication - M/N Seal	1400 rpm
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Grease Lubrication - T Seal	2000 rpm
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Grease Lubrication - B/C/O Seal	1000 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0030 in 0.076 mm
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Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0024
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Eng Internal Radial Clearance - Max	0.0039
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Pre Install Clearance Min	0.0024 in 0.060 mm
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Pre Install Clearance Max	0.0039 in 0.100 mm
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