


The Timken Company

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Part Number QACW13A208S, Single Concentric Piloted Flange Cartridge


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Specifications

Engineering Group Mounted Bearing

Bearing Number 22213

Shaft Size 2 1/2 in

Shaft Size Type Imperial

Full Timken Part Number

- QACW13A208SB
- QACW13A208SC
- QACW13A208SEB
- QACW13A208SEC
- QACW13A208SEM
- QACW13A208SEN
- QACW13A208SEO
- QACW13A208SET
- QACW13A208SM
- QACW13A208SMNG
- QACW13A208SN
- QACW13A208SO
- QACW13A208ST



Locking Style	Single Concentric
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Housing Construction	Piloted Flange Cartridge
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UPC Code	0883450036900
	0883450036917
	0883450036931
	0883450036948
	0883450036955
	0883450036962
	0883450036979
	0883450036986
	0883450193870
	0883450194037
	0883450271042
0883450271202	
0883450433501	

Dimensions

Dimension BC	6-1/2 in 165.1 mm
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Dimension B Exp	1.95 in 49.5 mm
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Dimension B Fix	1.86 in 47.2 mm
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Dimension C	3.8 in 96.5 mm
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Dimension D	5.5 in 139.7 mm
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Dimension E	4.6 in 116.8 mm
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Dimension F	7.63 in 193.8 mm
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Dimension G	5.5 in 139.7 mm
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Dimension H	0.5 in 12.7 mm
Dimension J (Bolt Size)	0.5 in 12 mm
Dimension KA	1.24 in 31.5 mm
Dimension L Exp	3.63 in 92.2 mm
Dimension L Fix	3.55 in 90.2 mm
Dimension M	2.15 in 54.6 mm
Dimension N	1.69 in 42.9 mm
Dimension RA	0.17 in 4.3 mm
Dimension SA	3.39 in 86.1 mm

Radial and Thrust Factors

C0 - Static Load	48600 lbf 216000 N
C - Dynamic Load (Basic)	46400 lbf 206000 N
e - Geometry Factor	0.24
Y1 - Geometry Factor	2.79
Y2 - Geometry Factor	4.15

Engineering Seal Speed

Oil Lubrication - M/N Seal	1800 rpm
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Oil Lubrication - T Seal	3200 rpm
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Oil Lubrication - B/C/O Seal	1500 rpm
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Grease Lubrication - M/N Seal	1800 rpm
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Grease Lubrication - T Seal	2800 rpm
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Grease Lubrication - B/C/O Seal	1500 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0015 in 0.038 mm
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Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0016
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Eng Internal Radial Clearance - Max	0.0026
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Pre Install Clearance Min	0.0016 in 0.040 mm
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Pre Install Clearance Max	0.0026 in 0.065 mm
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