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Part Number QAFX20A400S, Single Concentric Four Bolt Square Flange Block



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Specifications

Engineering Group	Mounted Bearing
Bearing Number	22220
Shaft Size	4 in
Shaft Size Type	Imperial
Full Timken Part Number	QAFX20A400SM
Locking Style	Single Concentric
Housing Construction	Four-Bolt Square Flange
UPC Code	883450961202

Dimension BC	11-3/4 in 298.5 mm
Dimension C	6 in 152.4 mm
Dimension D	8.82 in 224 mm
Dimension E	10.56 in 268.2 mm
Dimension F	10.56 in 268.2 mm
Dimension H	1 1/2 in 38.1 mm
Dimension J (Bolt Size)	1 in 24 mm
Dimension KA	1.63 in 41.4 mm
Dimension L Exp	5.04 in 128 mm
Dimension L Fix	4.96 in 126 mm
Dimension M	2.97 in 75.4 mm
Dimension N	4.06 in 103.1 mm
Dimension RA	0.62 in 15.7 mm
Dimension SA	4.59 in 116.6 mm

C0 - Static Load	113000 lbf 502000 N
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C - Dynamic Load (Basic)	97700 lbf 435000 N
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e - Geometry Factor	0.24
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Y1 - Geometry Factor	2.84
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Y2 - Geometry Factor	4.23
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Engineering Seal Speed

Oil Lubrication - M/N Seal	1200 rpm
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Oil Lubrication - T Seal	2000 rpm
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Oil Lubrication - B/C/O Seal	900 rpm
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Grease Lubrication - M/N Seal	1200 rpm
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Grease Lubrication - T Seal	1600 rpm
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Grease Lubrication - B/C/O Seal	900 rpm
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Engineering Bearing Attributes

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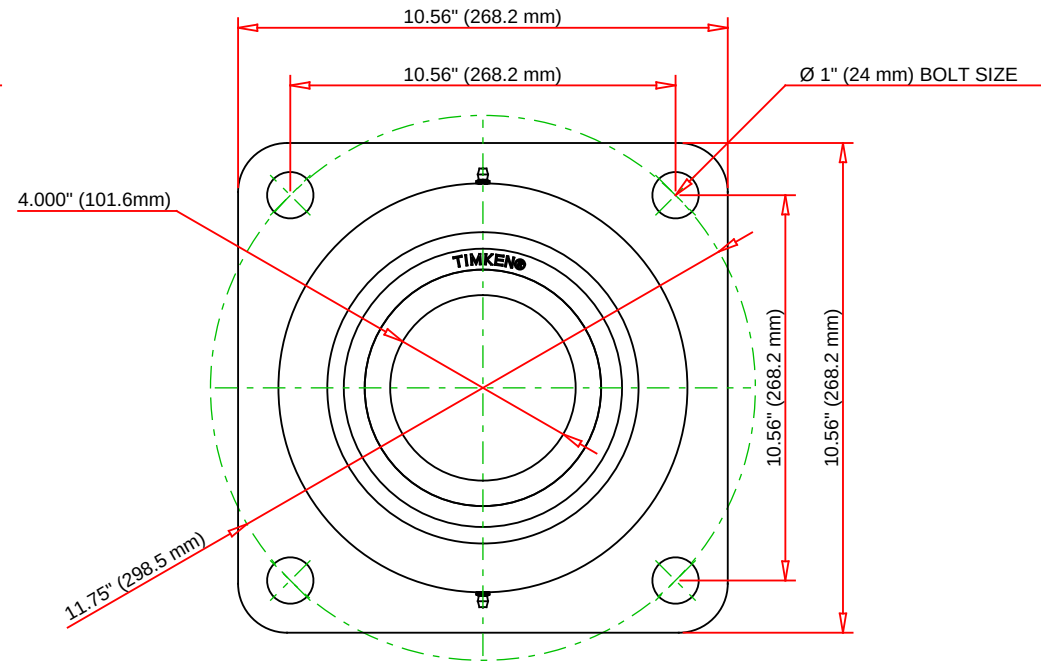
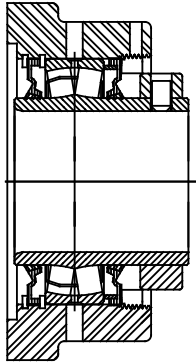
Shaft Tolerance	0.0030 in 0.076 mm
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Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.003
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Eng Internal Radial Clearance - Max	0.0047
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Pre Install Clearance Min	0.0030 in 0.075 mm
Pre Install Clearance Max	0.0047 in 0.120 mm



Note: Section View not to Scale

C - Dynamic Load	97700	lbf	435000	N
C0 - Static Load	113000	lbf	502000	N
Weight	61.81	lb	28	kg
Max. Speed T-Seals & Grease	1600	rpm		
Rad. Clearance - Max.	0.0047			

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

QAFX20A400S

Single Concentric Four Bolt Square Flange Block

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

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