



Basic Construction Type:

Yoke Type Crowned /
Cylindrical Outside Diameter

Rolling Elements:

Full Complement / Retained
(Caged) Needle Roller

Bearing Material:

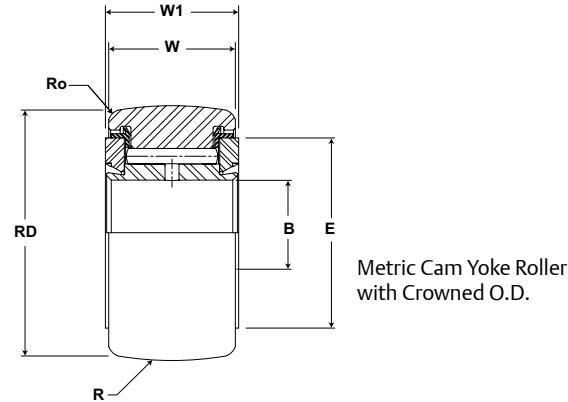
Bearing Quality Steel

Seal Type:

LUBRI-DISC®

Lubrication:

Lithium Soap Grease NLGI #2



Part No.		RD		W		B		W1		R	Track Roller Dynamic Rating	Track Roller Static Rating
W/O Seals	With LUBRI-DISC Seals	Roller Diameter		Roller Width		Bore		Overall Width		Cylindrical Suffix MCYR-X	N/lb	N/lb
		mm inch		mm inch		mm inch		mm inch		mm inch		
		Nom.	Tol.	Nom.	Tol.	Nom	Tol	(Ref)	(Ref)	Radius (Ref)		
MCYR 20	MCYR 20 S	47.000 1.8504	0/-0.05 +0/-0.0002	24.00 .945	+0/- .12 +0/- .033	20.000 .7874	+0/- .010 +0/- .0004	25.000 .9843	+0/- .21 +0/- .008	500 20	25,690	48,000
MCYR 20 X	MCYR 20 SX		+0/- .011 +0/- .0004								5,776	10,791
MCYRR 20	MCYRR 20 S		0/-0.05 +0/-0.0002							Cylindrical	17,750	29,800
MCYRR 20 X	MCYRR 20 SX		+0/- .011 +0/- .0004								3,991	6,700
MCYR 25	MCYR 25 S	52.000 2.0472	0/-0.05 +0/-0.0002	24.00 .945	+0/- .12 +0/- .037	25.000 .9843	+0/- .010 +0/- .0004	25.000 .9843	+0/- .21 +0/- .008	500 20	28,440	58,700
MCYR 25 X	MCYR 25 SX		+0/- .013 +0/- .0005								6,394	13,197
MCYRR 25	MCYRR 25 S		0/-0.05 +0/-0.0002							Cylindrical	19,120	34,900
MCYRR 25 X	MCYRR 25 SX		+0/- .013 +0/- .0005								4,299	7,846
MCYR 30	MCYR 30 S	62.000 2.4409	0/-0.05 +0/-0.0002	29.00 1.142	+0/- .12 +0/- .041	30.000 1.1811	+0/- .010 +0/- .0004	29.000 1.1417	+0/- .21 +0/- .008	500 20	41,480	89,000
MCYR 30 X	MCYR 30 SX		+0/- .013 +0/- .0005								9,326	20,009
MCYRR 30	MCYRR 30 S		0/-0.05 +0/-0.0002							Cylindrical	28,340	54,300
MCYRR 30 X	MCYRR 30 SX		+0/- .013 +0/- .0005								6,371	12,208
MCYR 35	MCYR 35 S	72.000 2.8346	0/-0.05 +0/-0.0002	29.00 1.142	+0/- .12 +0/- .045	35.000 1.3780	+0/- .012 +0/- .0005	29.000 1.1417	+0/- .21 +0/- .008	500 20	47,370	10,000
MCYR 35 X	MCYR 35 SX		+0/- .013 +0/- .0005								10,650	2,248
MCYRR 35	MCYRR 35 S		0/-0.05 +0/-0.0002							Cylindrical	32,460	60,900
MCYRR 35 X	MCYRR 35 SX		+0/- .013 +0/- .0005								7,298	13,692
MCYR 40	MCYR 40 S	80.000 3.1496	0/-0.05 +0/-0.0002	35.00 1.378	+0/- .12 +0/- .049	40.000 1.5748	+0/- .012 +0/- .0005	32.000 1.2598	+0/- .25 +0/- .010	500 20	58,350	123,000
MCYR 40 X	MCYR 40 SX		+0/- .015 +0/- .0006								13,118	27,653
MCYRR 40	MCYRR 40 S		0/-0.05 +0/-0.0002							Cylindrical	41,480	78,700
MCYRR 40 X	MCYRR 40 SX		+0/- .015 +0/- .0006								9,326	17,693
MCYR 45	MCYR 45 S	85.000 3.3465	0/-0.05 +0/-0.0002	35.00 1.378	+0/- .12 +0/- .053	45.000 1.7717	+0/- .012 +0/- .0005	32.000 1.2598	+0/- .25 +0/- .010	500 20	61,490	136,000
MCYR 45 X	MCYR 45 SX		+0/- .015 +0/- .0006								13,824	30,576
MCYRR 45	MCYRR 45 S		0/-0.05 +0/-0.0002							Cylindrical	42,760	84,100
MCYRR 45 X	MCYRR 45 SX		+0/- .015 +0/- .0006								9,613	18,907
MCYR 50	MCYR 50 S	90.000 3.5433	0/-0.05 +0/-0.0002	35.00 1.378	+0/- .12 +0/- .057	50.000 1.9685	+0/- .012 +0/- .0005	32.000 1.2598	+0/- .25 +0/- .010	500 20	64,330	148,000
MCYR 50 X	MCYR 50 SX		+0/- .015 +0/- .0006								14,463	33,273
MCYRR 50	MCYRR 50 S		0/-0.05 +0/-0.0002							Cylindrical	45,600	94,800
MCYRR 50 X	MCYRR 50 SX		+0/- .015 +0/- .0006								10,252	21,313

1. Standard bearing has a crowned roller outside diameter. For straight cylindrical outside roller diameter, add suffix "X". Example - MCFR-35-X or MCF-35-SX.

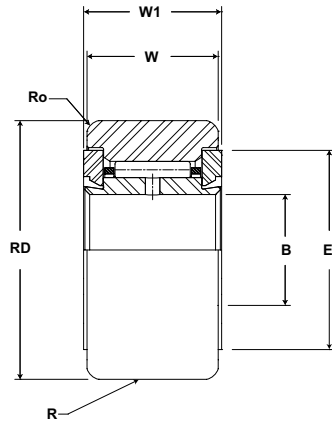
2. Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

3. Static load rating is based on stud strength or on internal rolling element load distribution stresses.

Inch dimensions for reference only.

Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.



Metric Cam Yoke Roller
with Cylindrical O.D.

MCYR

Part No.		E	Ro	LF	LFT	TF	TFT	Limiting Speed	WT
W/O Seals	With LUBRI-DISC Seals	Min. Clamping Diameter	Outer Corner	Recommended Shaft Diameters					Bearing Weight
				Loose Fit (for light loads) g6		Light Fit (for medium loads) h6			
		mm inch		mm inch		mm inch		RPM	kg lb
(Ref)	(Ref)	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.		
MCYR 20	MCYR 20 S	30 1.2	1.50 .059	19.993 .7871	+0/- .013 +0/- .0005	20.000 .7874	+0/- .0 +0/- .00	2,600	.25 .55
MCYR 20 X	MCYR 20 SX								
MCYRR 20	MCYRR 20 S							3,900	
MCYRR 20 X	MCYRR 20 SX								
MCYR 25	MCYR 25 S	36 1.4	1.50 .059	24.993 .9840	+0/- .013 +0/- .0005	25.000 .9842	+0/- .0 +0/- .00	2,600	.29 .64
MCYR 25 X	MCYR 25 SX								
MCYRR 25	MCYRR 25 S							3,900	
MCYRR 25 X	MCYRR 25 SX								
MCYR 30	MCYR 30 S	44 1.7	2.00 .079	29.993 1.1808	+0/- .013 +0/- .0005	30.000 1.1811	+0/- .0 +0/- .00	2,100	.47 1.04
MCYR 30 X	MCYR 30 SX								
MCYRR 30	MCYRR 30 S							3,100	
MCYRR 30 X	MCYRR 30 SX								
MCYR 35	MCYR 35 S	52 2.0	2.00 .079	34.991 1.3776	+0/- .016 +0/- .0006	35.000 1.3779	+0/- .0 +0/- .00	2,100	.64 1.41
MCYR 35 X	MCYR 35 SX								
MCYRR 35	MCYRR 35 S							3,100	
MCYRR 35 X	MCYRR 35 SX								
MCYR 40	MCYR 40 S	58 2.3	2.00 .079	39.991 1.5744	+0/- .016 +0/- .0006	40.000 1.5748	+0/- .0 +0/- .00	1,500	.84 1.84
MCYR 40 X	MCYR 40 SX								
MCYRR 40	MCYRR 40 S							2,200	
MCYRR 40 X	MCYRR 40 SX								
MCYR 45	MCYR 45 S	63 2.5	2.00 .079	44.991 1.7713	+0/- .016 +0/- .0006	45.000 1.7716	+0/- .0 +0/- .00	1,500	.90 1.99
MCYR 45 X	MCYR 45 SX								
MCYRR 45	MCYRR 45 S							2,200	
MCYRR 45 X	MCYRR 45 SX								
MCYR 50	MCYR 50 S	68 2.7	2.00 .079	45.991 1.8107	+0/- .016 +0/- .0006	50.000 1.9685	+0/- .0 +0/- .00	1,500	.97 2.14
MCYR 50 X	MCYR 50 SX								
MCYRR 50	MCYRR 50 S							2,200	
MCYRR 50 X	MCYRR 50 SX								

For a tight fit and heavy loads, us ISO tolerance J6.