

# Inch Cam Yoke Roller (CYR) Bearings



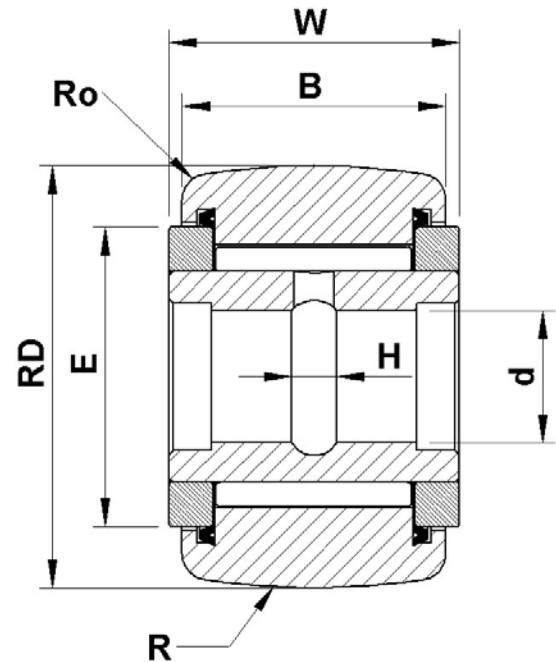
**Type:** Yoke Roller Cylindrical / Crowned OD

**Rolling Elements:** Full complement needle roller

**Material:** Bearing quality steel

**Seal Type:** Disc

**Lubrication:** NLGI # 2 grease



Part Number		RD	B	d	W	R	Load Rating	
Without Seals	With Seals	Roller Dia	Roller Width	Bore Dia	Overall Width	Crown Radius (CCYR-xx)	Dyn	Static
		+0 -0.001	+0 -0.005	+0.0002 -0.0004	+0.005 -0.010	(Ref)	(lb)	(lb)
CYR 024	CYR 024 S	0.75	0.5	0.25	0.5625	Cylindrical	1,660	4,130
	CCYR 024 S					10		
CYR 028	CYR 028 S	0.875	0.5	0.25	0.5625	Cylindrical	1,660	4,130
	CCYR 028 S					10		
CYR 032	CYR 032 S	1	0.625	0.3125	0.6875	Cylindrical	2,225	6,120
	CCYR 032 S					12		
CYR 036	CYR 036 S	1.125	0.625	0.3125	0.6875	Cylindrical	2,225	6,120
	CCYR 036 S					12		
CYR 040	CYR 040 S	1.25	0.75	0.375	0.8125	Cylindrical	3,930	8,500
	CCYR 040 S					14		
CYR 044	CYR 044 S	1.375	0.75	0.375	0.8125	Cylindrical	3,930	8,500
	CCYR 044 S					14		
CYR 048	CYR 048 S	1.5	0.875	0.4375	0.9375	Cylindrical	4,840	11,280
	CCYR 048 S					20		
CYR 052	CYR 052 S	1.625	0.875	0.4375	0.9375	Cylindrical	4,840	11,280
	CCYR 052 S					20		
CYR 056	CYR 056 S	1.75	1	0.5	1.0625	Cylindrical	6,385	15,840
	CCYR 056 S					20		

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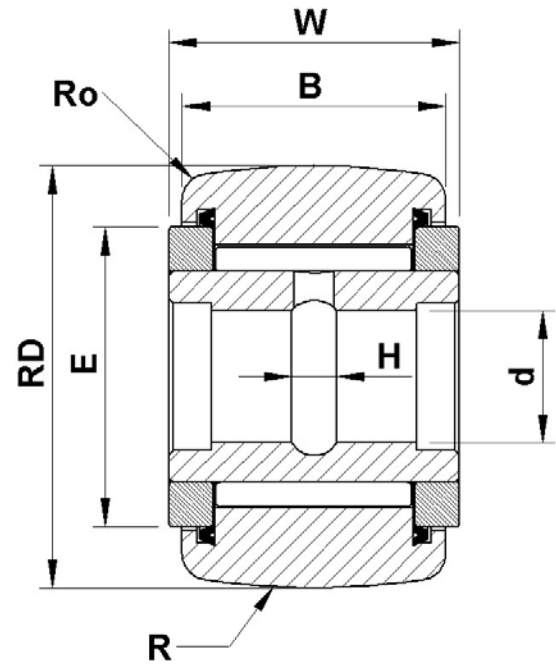
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**Rolling Elements:** Full complement needle roller

**Material:** Bearing quality steel

**Seal Type:** Disc

**Lubrication:** NLGI # 2 grease



Part Number		H	E	Ro	Recommended Shaft Diameter						Limiting Speed RPM	WT Weight Ref (lb)
Without Seals	With Seals	Hole Diameter (Ref)	Min Clamping Diameter (Ref)	Outer Corner Radius (Ref)	Push Fit		Drive Fit		Press Fit			
					Nom.	Tol	Nom.	Tol	Nom.	Tol		
CYR 024	CYR 024 S	0.09	0.61	0.02	0.2495		0.2501		0.2503		6,400	0.06
	CCYR 024 S			N/A								
CYR 028	CYR 028 S	0.09	0.61	0.02	0.2495		0.2501		0.2503		5,400	0.08
	CCYR 028 S			N/A								
CYR 032	CYR 032 S	0.09	0.78	0.03	0.312		0.3126		0.3128		4,800	0.15
	CCYR 032 S			N/A								
CYR 036	CYR 036 S	0.09	0.78	0.03	0.312		0.3126		0.3128		3,400	0.17
	CCYR 036 S			N/A								
CYR 040	CYR 040 S	0.09	0.98	0.03	0.3745	+/- 0.0002	0.3751	+/- 0.0002	0.3753	+/- 0.0002	3,100	0.24
	CCYR 040 S			N/A								
CYR 044	CYR 044 S	0.09	0.98	0.05	0.3745		0.3751		0.3753		2,800	0.30
	CCYR 044 S			N/A								
CYR 048	CYR 048 S	0.09	1.09	0.06	0.437		0.4376		0.4378		2,500	0.41
	CCYR 048 S			N/A								
CYR 052	CYR 052 S	0.09	1.09	0.06	0.437		0.4376		0.4378		2,350	0.50
	CCYR 052 S			N/A								
CYR 056	CYR 056 S	0.09	1.25	0.06	0.4995		0.5001		0.5003		2,200	0.64
	CCYR 056 S			N/A								

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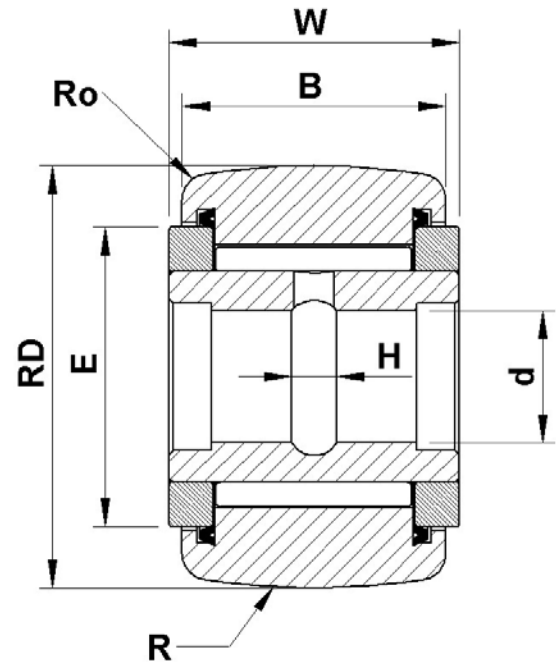
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**Material:** Bearing quality steel

**Seal Type:** Disc

**Lubrication:** NLGI # 2 grease



Part Number		RD	B	d	W	R	Load Rating	
Without Seals	With Seals	Roller Dia	Roller Width	Bore Dia	Overall Width	Crown Radius (CCYR-xx)	Dyn	Static
		+0 -0.001	+0 -0.005	+0.0002 -0.0004	+0.005 -0.010	(Ref)	(lb)	(lb)
CYR 060	CYR 060 S	1.875	1	0.5	1.0625	Cylindrical	6,385	15,840
	CCYR 060 S					20		
CYR 064	CYR 064 S	2	1.25	0.625	1.3125	Cylindrical	8,090	21,140
	CCYR 064 S					24		
CYR 072	CYR 072 S	2.25	1.25	0.625	1.3125	Cylindrical	8,090	21,140
	CCYR 072 S					24		
CYR 080	CYR 080 S	2.5	1.5	0.75	1.5625	Cylindrical	11,720	32,900
	CCYR 080 S					30		
CYR 088	CYR 088 S	2.75	1.5	0.75	1.5625	Cylindrical	11,720	32,900
	CCYR 088 S					30		
CYR 096	CYR 096 S	3	1.75	1	1.8125	Cylindrical	15,720	49,820
	CCYR 096 S					30		
CYR 104	CYR 104 S	3.25	1.75	1	2.0625	Cylindrical	15,720	49,820
	CCYR 104 S					30		
CYR 112	CYR 112 S	3.5	2	1.125	2.0625	Cylindrical	22,800	63,250
	CCYR 112 S					30		
CYR 128	CYR 128 S	4	2.25	1.25	2.3125	Cylindrical	29,985	89,540
	CCYR 128 S					30		

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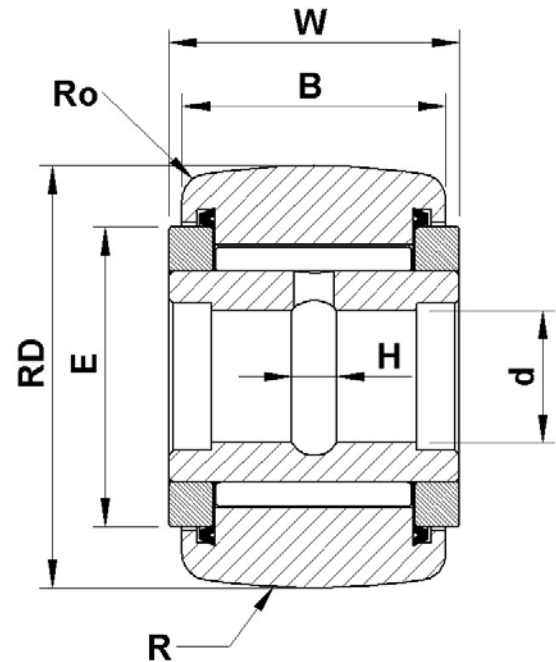
**Type:** Yoke Roller Cylindrical / Crowned OD

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**Material:** Bearing quality steel

**Seal Type:** Disc

**Lubrication:** NLGI # 2 grease



Part Number		H	E	Ro	Recommended Shaft Diameter						Limiting Speed RPM	WT Weight Ref (lb)
Without Seals	With Seals	Hole Diameter	Min Clamping	Outer Corner	Push Fit		Drive Fit		Press Fit			
		(Ref)	(Ref)	(Ref)	Nom.	Tol	Nom.	Tol	Nom.	Tol		
CYR 060	CYR 060 S	0.09	1.25	0.06	0.4995		0.5001		0.5003		2,000	0.80
	CCYR 060 S			N/A								
CYR 064	CYR 064 S	0.13	1.41	0.09	0.6245		0.6251		0.6253		1,400	1.05
	CCYR 064 S			N/A								
CYR 072	CYR 072 S	0.13	1.41	0.09	0.6245	+/- 0.0002	0.6251	+/- 0.0002	0.6253	+/- 0.0002	1,300	1.32
	CCYR 072 S			N/A								
CYR 080	CYR 080 S	0.13	1.69	0.09	0.7495		0.7501		0.7503		1,100	1.80
	CCYR 080 S			N/A								
CYR 088	CYR 088 S	0.13	1.69	0.09	0.7495		0.7501		0.7503		1,050	2.25
	CCYR 088 S			N/A								
CYR 096	CYR 096 S	0.13	2.13	0.13	0.9994		1.0002		1.0006		950	3.10
	CCYR 096 S			N/A								
CYR 104	CYR 104 S	0.13	2.13	0.13	0.9994		1.0002		1.0006		880	3.62
	CCYR 104 S			N/A								
CYR 112	CYR 112 S	0.13	2.44	0.13	1.1244	+0.0002 -0.0003	1.1252	+0.0002 -0.0003	1.1256	+0.0002 -0.0003	820	4.95
	CCYR 112 S			N/A								
CYR 128	CYR 128 S	0.13	2.8	0.13	1.2494		1.2502		1.2506		700	7.05
	CCYR 128 S			N/A								

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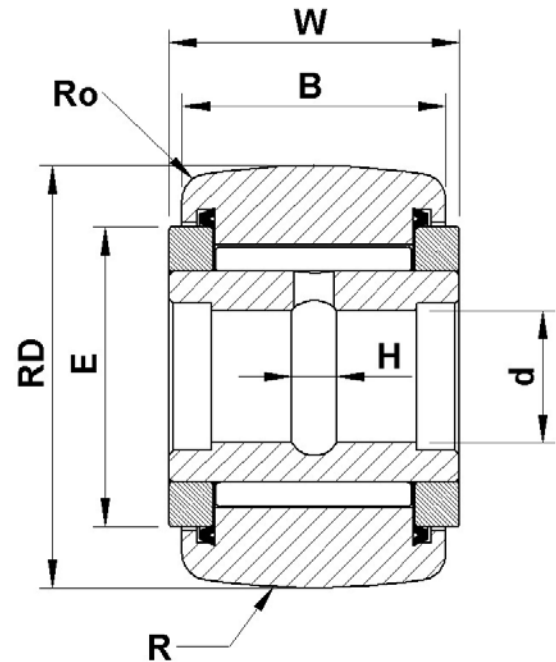
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Part Number		RD	B	d	W	R	Load Rating	
Without Seals	With Seals	Roller Dia	Roller Width	Bore Dia	Overall Width	Crown Radius (CCYR-xx)	Dyn	Static
		+0 -0.001	+0 -0.005	+0.0002 -0.0004	+0.005 -0.010	(Ref)	(lb)	(lb)
CYR 160	CYR 160 S	5	2.75	1.75	2.875	Cylindrical	46,575	135,900
	CCYR 160 S					48		
CYR 192	CYR 192 S	6	3.25	2.25	3.375	Cylindrical	60,000	160,900
	CCYR 192 S					56		
CYR 224	CYR 224 S	7	3.75	2.75	3.875	Cylindrical	75,380	213,860
	CCYR 224 S					60		
CYR 256	CYR 256 S	8	4.25	3.255	4.5	Cylindrical	92,200	288,200
	CCYR 256 S					40		
CYR 288	CYR 288 S	9	4.75	3.755	5	Cylindrical	113,260	366,850
	CCYR 288 S					40		
CYR 320	CYR 320 S	10	5.25	4.255	5.5	Cylindrical	131,545	431,130
	CCYR 320 S					40		

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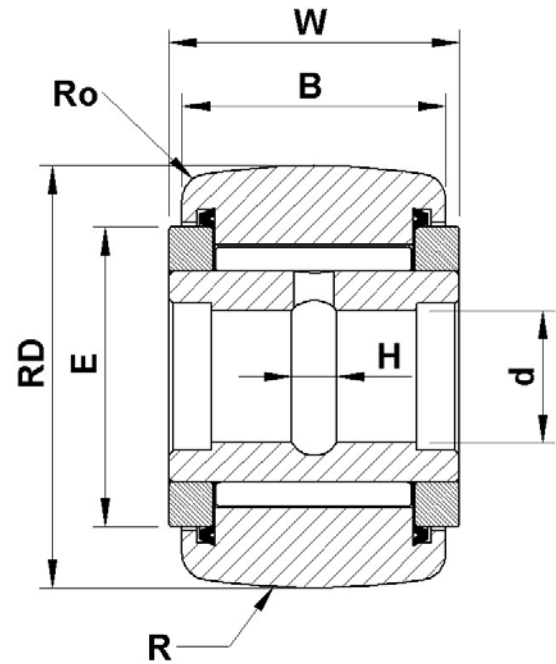
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Part Number		H	E	Ro	Recommended Shaft Diameter						Limiting Speed	WT
Without Seals	With Seals	Hole Diameter (Ref)	Min Clamping Diameter (Ref)	Outer Corner Radius (Ref)	Push Fit		Drive Fit		Press Fit			
					Nom.	Tol	Nom.	Tol	Nom.	Tol		
CYR 160	CYR 160 S	0.19	3.56	0.13	1.7494		1.7502		1.7506		575	14.34
	CCYR 160 S			N/A								
CYR 192	CYR 192 S	0.19	4.47	0.13	2.2494	+0.0002 -0.0003	2.2502	+0.0002 -0.0003	2.2506	+0.0002 -0.0003	475	20.16
	CCYR 192 S			N/A								
CYR 224	CYR 224 S	0.19	5.19	0.13	2.7494		2.7502		2.7506		400	32.43
	CCYR 224 S			N/A								
CYR 256	CYR 256 S	0.25	4.38	0.22	3.2544		3.2552		3.2556		350	47.30
	CCYR 256 S			N/A								
CYR 288	CYR 288 S	0.31	5.06	0.25	3.7544	+0.0005 -0.0005	3.7552	+0.0005 -0.0005	3.7556	+0.0005 -0.0005	300	65.70
	CCYR 288 S			N/A								
CYR 320	CYR 320 S	0.38	5.47	0.28	4.2544		4.2552		4.2556		275	89.20
	CCYR 320 S			N/A								