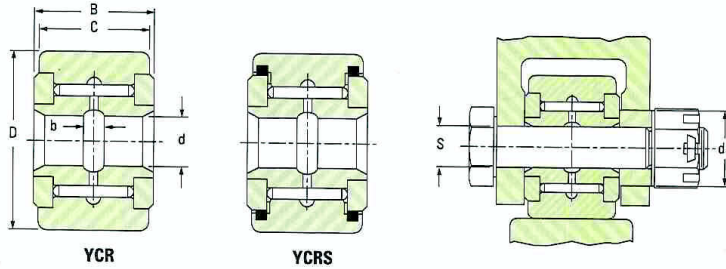


- The unit should be clamped endwise between parallel faces perpendicular to the axis to prevent the retaining washers from coming off under load. If the unit cannot be clamped, a close axial fit in the yoke is required.



**NEEDLE ROLLER BEARINGS**

**YOKE-TYPE TRACK ROLLERS  
YCR, YCRS SERIES**

**INCH SERIES**

- Non-separable unit with outer ring, a full complement of needle rollers, inner ring, self-lubricating resin internal thrust washers, and two retaining washers securely fastened to the inner ring.
- Seals in counterbores of outer ring seal against the retaining washers; retain lubricant and exclude foreign matter (YCRS Series).
- Dimensions shown are for unplated finished unit.

- Tolerance limits for outer diameters of stud and outer ring refer to "single mean diameter."
- The machine element with the holes in which the mounting bolt is supported must be sufficiently rigid to resist local crushing under the applied load and to resist bending which can cause uneven loading of the rollers.
- When the applied loads are high, the tight transition fit should be used in conjunction with a high strength shaft or bolt. When loads are moderate, the loose transition fit may be used with a high strength shaft or bolt. For light loads, the loose transition fit may be used with an unhardened shaft or bolt.

Outer Dia.	D		d		B	C	b	Track Roller Designation	
	+0 +0.000 -0.03 -0.001	Max.	Min.		+0.130 +0.0050 -0.250 -0.0100	+0 +0.000 -0.13 -0.005	(nom.)	Without Seals	With Seals and Internal Thrust Washers
in.	mm in.	mm in.	mm in.		mm in.	mm in.	mm in.		
3/4	19.05 0.75	6.355 0.2502	6.34 0.2496		14.288 0.5625	12.7 0.5	2.95 0.116	YCR-12	YCRS-12
7/8	22.23 0.875	6.355 0.2502	6.34 0.2496		14.288 0.5625	12.7 0.5	2.95 0.116	YCR-14	YCRS-14
1	25.4 1	7.943 0.3127	7.927 0.3121		17.463 0.6875	15.88 0.625	3.18 0.125	YCR-16	YCRS-16
1 1/8	28.58 1.125	7.943 0.3127	7.927 0.3121		17.463 0.6875	15.88 0.625	3.18 0.125	YCR-18	YCRS-18
1 1/4	31.75 1.25	9.53 0.3752	9.515 0.3746		20.638 0.8125	19.05 0.75	3.18 0.125	YCR-20	YCRS-20
1 3/8	34.93 1.375	9.53 0.3752	9.515 0.3746		20.638 0.8125	19.05 0.75	3.18 0.125	YCR-22	YCRS-22
1 1/2	38.1 1.5	11.118 0.4377	11.102 0.4371		23.813 0.9375	22.23 0.875	3.18 0.125	YCR-24	YCRS-24
1 5/8	41.28 1.625	11.118 0.4377	11.102 0.4371		23.813 0.9375	22.23 0.875	3.18 0.125	YCR-26	YCRS-26
1 3/4	44.45 1.75	12.705 0.5002	12.69 0.4996		26.988 1.0625	25.4 1	3.18 0.125	YCR-28	YCRS-28
1 7/8	47.63 1.875	12.705 0.5002	12.69 0.4996		26.988 1.0625	25.4 1	3.18 0.125	YCR-30	YCRS-30
2	50.8 2	15.88 0.6252	15.865 0.6246		33.338 1.3125	31.75 1.25	3.18 0.125	YCR-32	YCRS-32
2 1/4	57.15 2.25	15.88 0.6252	15.865 0.6246		33.338 1.3125	31.75 1.25	3.18 0.125	YCR-36	YCRS-36
2 1/2	63.5 2.5	19.055 0.7502	19.04 0.7496		39.688 1.5625	38.1 1.5	3.68 0.145	YCR-40	YCRS-40
2 3/4	69.85 2.75	19.055 0.7502	19.04 0.7496		39.688 1.5625	38.1 1.5	3.68 0.145	YCR-44	YCRS-44
3	76.2 3	25.403 1.0001	25.387 0.9995		46.038 1.8125	44.45 1.75	3.68 0.145	YCR-48	YCRS-48
3 1/4	82.55 3.25	25.403 1.0001	25.387 0.9995		46.038 1.8125	44.45 1.75	3.68 0.145	YCR-52	YCRS-52
3 1/2	88.9 3.5	28.578 1.1251	28.562 1.1245		52.388 2.0625	50.8 2	3.68 0.145	YCR-56	YCRS-56
4	101.6 4	31.753 1.2501	31.737 1.2495		58.738 2.3125	57.15 2.25	3.68 0.145	YCR-64	YCRS-64
5	127.0 5.00	44.453 1.7501	44.437 1.7495		73.025 2.875	69.85 2.750	8.64 0.341	YCR-80	YCRS-80
6	152.4 6.00	57.153 2.2501	57.137 2.2495		85.725 3.375	82.55 3.250	8.48 0.334	YCR-96	YCRS-96