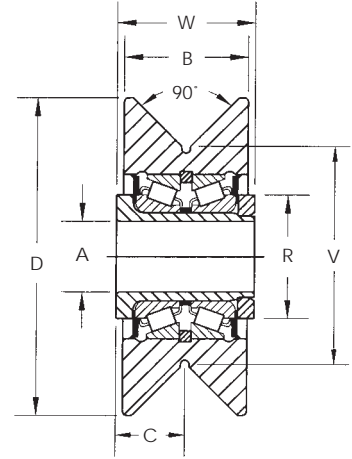


**VYR**

**V-Groove Yoke Style**

SMITH-TRAX®



**General Information**

The **Smith-Trax®** Series bearings are designed and manufactured to handle increased axial and radial loads by using **Tapered Roller Bearings** or **Deep Groove Ball Bearings**. These bearings should be used when standard needle roller bearings are not sufficient to handle the thrust load found in certain applications. Consult our Engineering Department for special requirements.

Dimensional Data (inches)

SMITH Bearing® Number	BEARING TYPE	D Roller O.D.	B Roller Width	A Bore Diameter +.0005 * -.0000	W Overall Width +.005 -.010	V Point Diameter	C Groove Center	R Shoulder or End Plate Diameter 33 rpm.	Radial Basic Dynamic Rating (lbs) 500 hrs. 33 rpm.	Dynamic Thrust Load Rating (lbs) 500 hrs.
VYR-4 <sup>1</sup> / <sub>2</sub>	TRB	4.500	1.750	1.000	1.813	3.000	0.906	1.75	14,300	5,790
VYR-5	TRB	5.000	2.000	1.125	2.063	3.500	1.031	2.00	17,600	5,790
VYR-5 <sup>1</sup> / <sub>2</sub>	TRB	5.500	2.250	1.250	2.313	4.000	1.156	2.25	17,600	5,790
VYR-6 <sup>1</sup> / <sub>2</sub>	TRB	6.500	2.750	1.750	2.875	5.000	1.438	3.50	35,800	14,200
VYR-7 <sup>1</sup> / <sub>2</sub>	TRB	7.500	3.250	2.250	3.375	6.000	1.688	3.50	35,800	14,200
VYR-8 <sup>1</sup> / <sub>2</sub>	TRB	8.500	3.750	*2.750	3.875	7.000	1.938	4.25	42,400	17,400

\*Tolerance on "A" Bore Diameter for VYR-8<sup>1</sup>/<sub>2</sub> is (+0.001/-0.000)