



MS24465 (YAD SERIES)

Single Row

MS24466 (YAS SERIES)

Double Row

General Information

The **YAD Single Row** & **YAS Double Row** Series bearings are manufactured in accordance with **MS24465** & **MS24466** standards. The bearings are used in track roller applications with each bearing consisting of an inner race, outer race, needle rollers, end washers & thrust seals. Relubrication holes and grooves are provided. For corrosion protection the outer ring surface is hard chrome plated while all other exposed surfaces are cadmium or zinc-nickel plated. Consult our Engineering Department for further specific requirements and special designs.

Dimensional Data (inches)

SMITH Bearing® Number	Military Number MS	ABMA Number	A Bore +.0000 -.0007	D Roller O.D. +.0000 -.0010	W Overall Width +.000 -.005	C Outer Race Width +.000 -.005	T Track Contact Width Min	E End Ring Dia.	d Min. Clamp Dia.	P Lube Groove Width	r Radius or 45° Chamfer	Limit Load Rating (lbf)	Rating As A Track Roller (lbf)	Track Capacity 40HRC (lbf)	Recommended Shaft Diameter				Weight Approx. (lbs)
															Slip Fit		Press Fit		
															Max	Min	Max	Min	
YAD-03	24465-3	3NBF512YJ	0.1900	0.7500	0.312	0.218	0.125	0.688	0.438	3/32	0.022	1200	900	290	0.1894	0.1889	0.1902	0.1897	0.029
YAD-04	24465-4	4NBF614YJ	0.2500	0.8750	0.375	0.281	0.218	0.750	0.516	1/8	0.022	1910	1430	575	0.2494	0.2489	0.2502	0.2497	0.049
YAD-06	24465-6	6NBF817YJ	0.3750	1.0625	0.500	0.375	0.312	0.938	0.672	3/16	0.022	3600	2700	1000	0.3744	0.3739	0.3752	0.3747	0.980
YAD-08	24465-8	8NBF1012YJ	0.5000	1.3125	0.625	0.500	0.438	1.188	0.844	3/16	0.032	5780	4300	1785	0.4994	0.4989	0.5002	0.4997	0.178
YAD-10	24465-10	10NBF1224YJ	0.6250	1.5000	0.750	0.625	0.562	1.375	0.953	1/4	0.032	8530	6400	2600	0.6244	0.6239	0.6252	0.6247	0.266
YAD-12	24465-12	12NBF1628YJ	0.7500	1.7500	1.000	0.875	0.750	1.625	1.109	1/4	0.032	14200	10700	4050	0.7494	0.7489	0.7502	0.7497	0.495
YAD-14	24465-14	14NBF1832YJ	0.8750	2.0000	1.125	1.000	0.875	1.875	1.219	1/4	0.032	19300	14400	5350	0.8744	0.8739	0.8752	0.8747	0.713
YAD-20	24465-20	20NBF2040YJ	1.2500	2.5000	1.250	1.049	0.938	1.906	1.625	3/8	0.032	25300	18900	7100	1.2494	1.2488	1.2503	1.2497	1.060
YAD-24	24465-24	24NBF2448YJ	1.5000	3.0000	1.500	1.229	1.172	2.875	1.984	3/8	0.032	37900	28400	10900	1.4994	1.4988	1.5003	1.4997	2.070
YAD-28	24465-28	28NBF2455YJ	1.7500	3.4375	1.500	1.229	1.172	3.312	2.281	3/8	0.032	44100	33000	12400	1.7494	1.7488	1.7503	1.7497	2.710
YAD-32	24465-32	32NBF2462YJ	2.0000	3.8750	1.500	1.229	1.172	3.750	2.562	3/8	0.032	48900	36700	14000	1.9994	1.9987	2.0003	1.9996	3.420
YAD-36	24465-36	36NBF2469YJ	2.2500	4.3125	1.500	1.229	1.172	4.188	2.859	3/8	0.032	55000	41200	15600	2.2494	2.2487	2.2503	2.2496	4.230
YAD-40	24465-40	40NBF2476YJ	2.5000	4.7500	1.500	1.229	1.172	4.625	3.109	3/8	0.032	59900	44900	17200	2.4994	2.4987	2.5003	2.4996	5.140
YAD-44	24465-44	44NBF2480YJ	2.7500	5.0000	1.500	1.229	1.172	4.875	3.344	3/8	0.032	64800	48600	18100	2.7494	2.7487	2.7503	2.7496	5.490
YAS-06	24466-6	6NBL1618YJ	0.3750	1.1250	1.000	0.875	0.750	1.000	0.672	3/16	0.032	7130	5370	2600	0.3744	0.3739	0.3752	0.3747	0.228
YAS-08	24466-8	8NBL2022YJ	0.5000	1.3750	1.250	1.125	1.000	1.250	0.891	1/4	0.032	12500	9370	4250	0.4994	0.4989	0.5002	0.4997	0.416
YAS-10	24466-10	10NBL2426YJ	0.6250	1.6250	1.500	1.375	1.125	1.500	1.109	3/8	0.032	19900	15000	5650	0.6244	0.6239	0.6252	0.6247	0.693
YAS-12	24466-12	12NBL2830YJ	0.7500	1.8750	1.750	1.625	1.375	1.750	1.281	3/8	0.032	28500	21400	7950	0.7494	0.7489	0.7502	0.7497	1.180