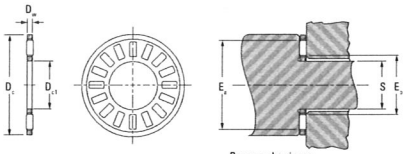
THRUST NEEDLE ROLLER AND CAGE ASSEMBLIES, THRUST WASHERS

INCH SERIES

- Dimensions for bore and O.D. of thrust assemblies and washers are nominal.
- See page B-6-36 for details on piloting and backup surfaces.
- Thrust washers burnished at least one-quarter of bore area (remainder is rough breakaway finish).
- O.D. finish of washers will be as blanked.

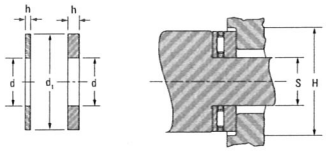


NTA

Raceway hardness to be 58 HRC or equivalent

Shaft Dia.	Assembly Dimensions					Assembly Designation	Load Ratings		Fatigue Load Limit C_u	Speed Rating[1]
	D_{c1}	D_c	D_w	E_c	E_w		Dynamic C	Static C_o		
in	mm in	mm in	mm in	mm in	mm in		kN lbf		kN	min^{-1}
2 3/4	69.85 2.750	92.075 3.625	3.175 0.1250	72.64 2.860	87.884 3.460	NTA-4458	47.60 10700	255.8 57500	26.8	4600
3	76.20 3.000	95.25 3.750	1.984 0.0781	78.49 3.090	90.678 3.570	NTA-4860	26.96 6060	172.1 38700	17.8	4400
3 1/4	82.55 3.250	104.78 4.125	3.175 0.1250	85.34 3.360	100.58 3.960	NTA-5268	51.60 11600	294.9 66300	30.9	4000
3 3/4	95.25 3.750	117.48 4.625	3.175 0.1250	98.04 3.860	113.28 4.460	NTA-6074	56.05 12600	344.3 77400	35.5	3500
4 1/4	104.78 4.125	128.57 5.062	3.175 0.1250	107.44 4.230	124.46 4.900	NTA-6881	63.61 14300	414.5 93200	41.3	3200

[1] Speed ratings listed are based on adequate oil lubrication. See page B-6-37 for lubrication information. Suggestions for an application requiring O.D. piloting should be determined in consultation with your representative.



Approx. Wt.	Thrust Washer Designation	Washer Dimensions				Pilot Dimensions		Dia. To Clear O.D.	Washer Wt.	Shaft Dia.
		d	d_1	h		S				
				Max.	Min.	Max.	Min.	H[2]		
kg lbs		mm in	mm in	mm in	mm in	mm in	mm in	mm in	kg lbs	in
	TRC-4052	63.50 2.500	82.55 3.250	2.41 0.095	2.34 0.092	63.50 2.500	63.42 2.497	83.34 3.281	0.041 0.09	
	TRD-4052	63.50 2.500	82.55 3.250	3.20 0.126	3.12 0.123	63.50 2.500	63.42 2.497	83.34 3.281	0.054 0.119	
0.037 0.082	TRA-4458	69.85 2.750	92.08 3.625	0.81 0.032	0.76 0.030	69.85 2.750	69.77 2.747	92.86 3.656	0.018 0.039	2 3/4
	TRB-4458	69.85 2.750	92.08 3.625	1.60 0.063	1.52 0.060	69.85 2.750	69.77 2.747	92.86 3.656	0.035 0.077	
	TRC-4458	69.85 2.750	92.08 3.625	2.41 0.095	2.34 0.092	69.85 2.750	69.77 2.747	92.86 3.656	0.051 0.113	
	TRD-4458	69.85 2.750	92.08 3.625	3.20 0.126	3.12 0.123	69.85 2.750	69.77 2.747	92.86 3.656	0.069 0.152	
	TRF-4459	69.85 2.750	92.08 3.625	4.78 0.188	4.70 0.185	69.85 2.750	69.77 2.747	92.86 3.656	0.104 0.229	
0.022 0.048	TRA-4860	76.20 3.000	95.25 3.750	0.81 0.032	0.76 0.030	76.20 3.000	76.12 2.997	96.04 3.781	0.015 0.034	3
	TRB-4860	76.20 3.000	95.25 3.750	1.60 0.063	1.52 0.060	76.20 3.000	76.12 2.997	96.04 3.781	0.032 0.07	
	TRD-4860	76.20 3.000	95.25 3.750	3.20 0.126	3.12 0.123	76.20 3.000	76.12 2.997	96.04 3.781	0.061 0.135	
0.042 0.092	TRA-5268	82.55 3.250	104.78 4.125	0.81 0.032	0.76 0.030	82.55 3.250	82.47 3.247	105.56 4.156	0.020 0.044	3 1/4
	TRD-5268	82.55 3.250	104.78 4.125	3.20 0.126	3.12 0.123	82.55 3.250	82.47 3.247	105.56 4.156	0.080 0.176	
0.050 0.11	TRA-6074	95.25 3.750	117.48 4.625	0.81 0.032	0.76 0.030	95.25 3.750	95.17 3.747	118.26 4.656	0.023 0.05	3 3/4
	TRB-6074	95.25 3.750	117.48 4.625	1.60 0.063	1.52 0.060	95.25 3.750	95.17 3.747	118.26 4.656	0.046 0.101	
	TRC-6074	95.25 3.750	117.48 4.625	2.41 0.095	2.34 0.092	95.25 3.750	95.17 3.747	118.26 4.656	0.069 0.152	
	TRD-6074	95.25 3.750	117.48 4.625	3.20 0.126	3.12 0.123	95.25 3.750	95.17 3.747	118.26 4.656	0.092 0.202	
0.062 0.136	TRA-6881	104.78 4.125	128.57 5.062	0.81 0.032	0.76 0.030	104.78 4.125	104.70 4.122	129.39 5.094	0.027 0.059	4 1/4
	TRC-6881	104.78 4.125	128.57 5.062	2.41 0.095	2.34 0.092	104.78 4.125	104.70 4.122	129.39 5.094	0.081 0.178	
	TRD-6881	104.78 4.125	128.57 5.062	3.20 0.126	3.12 0.123	104.78 4.125	104.70 4.122	129.39 5.094	0.109 0.24	
	TRF-6881	104.78 4.125	128.57 5.062	4.78 0.188	4.70 0.185	104.78 4.125	104.70 4.122	129.39 5.094	0.161 0.354	

[2] If the shaft and the housing adjacent to the bearing O.D. are not concentric, the T.I.R. between the shaft and housing should be added to this dimension.