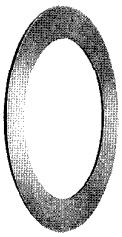
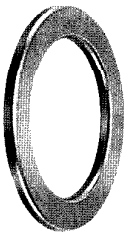
Thrust Needle Roller Bearings

Shaft dia. 10~75 mm

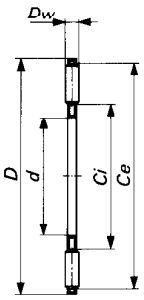




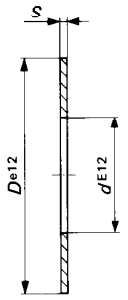


Shaft dia. mm	Identification number						
	Thrust needle roller bearing	Weight (Ref.) g	Thrust washer	Weight (Ref.) g	Inner ring	Outer ring	Weight (Ref.) g
10	NTB 1024	3.3	AS 1024	2.9	WS 1024	GS 1024	8
12	NTB 1226	3.8	AS 1226	3.2	WS 1226	GS 1226	8.9
15	NTB 1528	4.1	AS 1528	3.4	WS 1528	GS 1528	9.3
16	NTB 1629	4.3	AS 1629	3.6	WS 1629	GS 1629	9.8
17	NTB 1730	4.5	AS 1730	3.7	WS 1730	GS 1730	10.2
18	NTB 1831	4.7	AS 1831	3.9	WS 1831	GS 1831	10.7
20	NTB 2035	6.1	AS 2035	5	WS 2035	GS 2035	13.8
25	NTB 2542	8.2	AS 2542	6.9	WS 2542	GS 2542	21
30	NTB 3047	9.4	AS 3047	7.9	WS 3047	GS 3047	24
35	NTB 3552	10.6	AS 3552	8.9	WS 3552	GS 3552	31.5
40	NTB 40603	22	AS 4060	12.1	WS 4060	GS 4060	42.5
45	NTB 4565	24.5	AS 4565	13.3	WS 4565	GS 4565	53.5
50	NTB 5070	26.5	AS 5070	14.5	WS 5070	GS 5070	56.5
55	NTB 5578	33.5	AS 5578	18.5	WS 5578	GS 5578	93
60	NTB 6085	38.5	AS 6085	22	WS 6085	GS 6085	105
65	NTB 6590	41.5	AS 6590	23.5	WS 6590	GS 6590	124
70	NTB 7095	61	AS 7095	25	WS 7095	GS 7095	132
75	NTB 75100	65	AS 75100	26.5	WS 75100	GS 75100	153

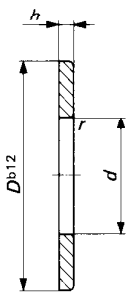
Note (1): Minimum allowable value of chamfer dimension *r*
(2): Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 25% of this value is allowable.



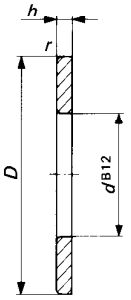
NTB



AS



WS



GS

Boundary dimensions mm								Basic dynamic load rating C	Basic static load rating C0	Allowable rotational speed (2)	Shaft dia.
d	D	Dw	S	h	rsmin(1)	Ci	Ce	kgf	kgf	rpm	mm
10	24	2	1	2.75	0.3	14	22	800	2 440	15 000	**10**
12	26	2	1	2.75	0.3	16	24	850	2 750	13 000	**12**
15	28	2	1	2.75	0.3	18	26	900	3 050	12 000	**15**
16	29	2	1	2.75	0.3	19	27	920	3 200	11 000	**16**
17	30	2	1	2.75	0.3	20	28	950	3 360	11 000	**17**
18	31	2	1	2.75	0.3	21	29	970	3 510	10 000	**18**
20	35	2	1	2.75	0.3	23	33	1 200	4 740	9 000	**20**
25	42	2	1	3	0.6	29	40	1 470	6 600	7 500	**25**
30	47	2	1	3	0.6	34	45	1 570	7 470	6 500	**30**
35	52	2	1	3.5	0.6	39	50	1 670	8 350	5 500	**35**
40	60	3	1	3.5	0.6	45	57	2 470	11 000	5 000	**40**
45	65	3	1	4	0.6	50	62	2 640	12 400	4 500	**45**
50	70	3	1	4	0.6	55	67	2 810	13 700	4 000	**50**
55	78	3	1	5	0.6	61	75	3 300	17 500	4 000	**55**
60	85	3	1	4.75	1	66	82	3 900	22 300	3 500	**60**
65	90	3	1	5.25	1	71	87	4 090	24 100	3 000	**65**
70	95	4	1	5.25	1	75	91	4 830	24 900	3 000	**70**
75	100	4	1	5.75	1	80	96	4 930	26 100	3 000	**75**

1 kgf = 9.807N = 2.2046 lbs.
1 mm = 0.03937 inch