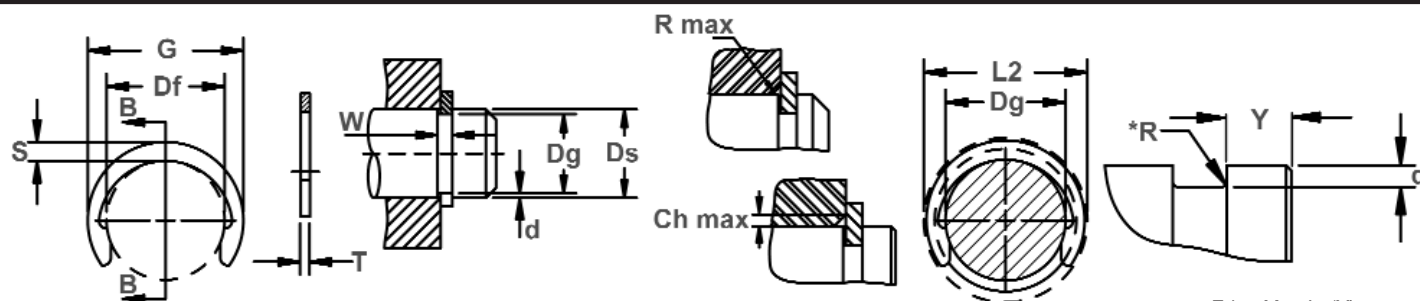


RING NO.	SHAFT DIA. (mm)	GROOVE SIZE			RING SIZE & WEIGHT				CLEARANCE				SUPPLEMENTARY DATA						
		DIAMETER		DEPTH	THICKNESS ***		Tol.	FREE DIAMETER		MAX. SEC.	WGHT. kg/1000	FREE O.D. G Ref.	INSTALLED IN GROOVE L2 Max.	EDGE MARGIN Y Min.	THRUST LOAD Pr kN	THRUST LOAD Pg kN	Allowable Rad/Ch R/Ch Max.	Max Load (lbs.) P'r kN	RPM Limits
		Ds	Dg		W Min.	d Ref.		Df											
DC-3	3	2.3			0.44	0.35	0.40	2.18	±0.06	0.90	0.02	3.98	4.1	1.0	0.50	0.24	0.40	0.40	95000
DC-4	4	3.2	-0.07		0.44	0.40	0.40	3.00		1.00	0.04	5.00	5.2	1.2	0.50	0.37	0.40	0.40	90000
DC-5	5	4.0			0.64	0.50	0.60	3.80		1.20	0.08	6.20	6.4	1.5	1.10	0.58	0.60	0.70	88000
DC-6	6	5.0			0.74	0.50	0.70	4.80	±0.08	1.30	0.11	7.40	7.6	1.5	1.65	0.72	0.70	1.10	80000
DC-7	7	6.0			0.85	0.50	0.80	5.80		1.40	0.13	8.60	8.8	1.5	2.20	0.85	0.80	1.30	69000
DC-8	8	7.0	-0.09		0.85	0.50	0.80	6.80		1.60	0.17	10.00	10.2	1.5	2.20	0.98	0.80	1.30	67000
DC-9	9	8.0			1.10	0.50	1.00	7.80	±0.09	1.70	0.22	11.20	11.4	1.5	3.50	1.10	1.00	2.00	58000
DC-10	10	9.0			1.10	0.50	1.00	8.75		1.70	0.26	12.15	12.4	1.5	3.70	1.24	1.00	2.00	50000
DC-11	11	10.0			1.10	0.50	1.00	9.65		1.80	0.29	13.20	13.6	1.5	4.00	1.35	1.00	2.00	40000
DC-12	12	10.9			1.10	0.55	1.00	10.55		1.90	0.32	14.35	14.7	1.7	4.20	1.65	1.00	2.00	35000
DC-13	13	11.8			1.10	0.60	1.00	11.40		2.00	0.36	15.40	15.8	1.8	4.50	1.90	1.00	2.00	30000
DC-14	14	12.7			1.10	0.65	1.00	12.30		2.00	0.40	16.30	16.7	2.0	5.00	2.20	1.00	2.00	27000
DC-15	15	13.6	-0.11		1.10	0.70	1.00	13.20	±0.18	2.10	0.46	17.40	17.8	2.1	5.50	2.60	1.00	2.00	25000
DC-16	16	14.5			1.10	0.75	1.00	14.10		2.20	0.54	18.50	18.9	2.3	5.80	3.00	1.00	2.00	24000
DC-17	17	15.4			1.10	0.80	1.00	14.90		2.25	0.64	19.40	19.9	2.4	6.00	3.40	1.00	2.00	23000
DC-18	18	16.3			1.30	0.85	1.20	15.80		2.30	0.72	20.40	20.9	2.6	8.50	3.70	1.20	2.80	21000
DC-19	19	17.2			1.30	0.90	1.20	16.70		2.40	0.80	21.50	22.0	2.7	9.00	4.30	1.20	2.80	21000
DC-20	20	18.1	-0.21		1.30	0.95	1.20	17.55		2.55	0.87	22.65	23.2	2.9	9.40	4.70	1.20	3.00	20000

ALL DIMENSIONS IN MILLIMETERS.

*The radius "R" on the load side must not exceed 0.1 T

*** FOR PLATED RINGS, ADD 0.05 TO THE LISTED MAXIMUM THICKNESS. MAXIMUM RING THICKNESS WILL BE A MINIMUM OF 0.005 LESS THAN THE LISTED GROOVE WIDTH (W) MIN.



Free Diameter & Ring Measurements
With Section B-B

Shaft Diameter &
Groove Dimensions

Maximum Corner
Radius & Chamfer

Clearance Diameter
Installed in Groove

Edge Margin (Y)
*The radius "R" on the load
side must not exceed 0.1T.

RING NO.	SHAFT DIA. (mm)	GROOVE SIZE				RING SIZE & WEIGHT					CLEARANCE			SUPPLEMENTARY DATA					
		DIAMETER		WIDTH	DEPTH	THICKNESS ***		FREE DIAMETER		MAX. SEC.	WGHT.	FREE O.D.	INSTALLED IN GROOVE	EDGE MARGIN	THRUST LOAD	THRUST LOAD	Allowable Rad/Cham	Max Load (lbs.)	RPM Limits
		Ds	Dg	Tol.	W Min.	d Ref.	T	Tol.	Df	Tol.	S max ref.	kg/ 1000	G Ref.	L2 Max.	Y Min.	Pr kN	Pg kN	R/Ch Max.	P'r kN
DC-22	22	19.9	-0,21	1,30	1,05	1,20	-0,06	19,40	±0,21	2,80	1,10	25,00	25,5	3,2	10,00	5,70	1,20	3,00	17000
DC-23	23	20,8		1,30	1,10	1,20		20,20		2,90	1,15	26,00	26,6	3,3	10,50	6,20	1,20	3,20	15000
DC-24	24	21,7		1,30	1,15	1,20		21,10		3,00	1,52	27,10	27,7	3,5	11,00	6,80	1,20	3,20	15000
DC-25	25	22,6		1,30	1,20	1,20		22,00		3,15	1,74	28,30	28,9	3,6	11,50	7,50	1,20	3,20	15000
DC-26	26	23,5		1,30	1,25	1,20		22,90		3,25	1,88	29,40	30,0	3,8	12,00	8,00	1,20	3,20	15000
DC-28	28	25,2		1,60	1,40	1,50		24,60		3,50	2,32	31,60	32,2	4,2	16,50	9,70	1,50	5,50	13000
DC-30	30	27,0	-0,25	1,60	1,50	1,50	-0,07	26,30	±0,25	3,70	2,43	33,70	34,4	4,5	17,00	11,00	1,50	5,60	13000
DC-32	32	28,8		1,60	1,60	1,50		28,10		4,00	3,02	36,10	36,8	4,6	18,00	12,50	1,50	5,80	13000
DC-35	35	31,5		1,60	1,75	1,50		30,80		4,30	3,30	39,40	40,1	5,3	20,00	15,00	1,50	5,80	11000
DC-36	36	32,4		1,85	1,80	1,75		31,70		4,40	4,40	40,50	41,2	5,4	25,00	16,00	1,75	8,30	10000
DC-38	38	34,2		1,85	1,90	1,75		33,40		4,60	4,62	42,60	43,4	5,7	26,00	17,50	1,75	8,50	10000
DC-40	40	36,0		1,85	2,00	1,75		35,20		4,90	5,05	45,00	45,8	6,0	27,50	20,00	1,75	8,80	9000
DC-42	42	37,8		1,85	2,10	1,75		37,00		5,10	5,46	47,20	48,0	6,3	28,00	21,50	1,75	8,90	9000
DC-45	45	40,5		1,85	2,25	1,75		39,60		5,50	5,98	50,60	51,5	6,8	30,00	25,00	1,75	9,00	8000
DC-48	48	43,2		1,85	2,40	1,75		42,30		5,90	7,82	54,10	55,0	7,2	32,00	28,00	1,75	9,00	8000
DC-50	50	45,0		2,15	2,50	2,00		44,00		6,20	8,85	56,40	57,4	7,5	39,50	31,00	2,00	12,00	7000
DC-52	52	47,0		2,15	2,50	2,00		46,00		6,30	9,33	58,60	59,6	7,5	41,00	32,00	2,00	12,00	7000
DC-55	55	50,0		2,15	2,50	2,00		48,50		6,50	10,40	61,50	63,0	7,5	43,00	34,00	2,00	12,00	7000

ALL DIMENSIONS IN MILLIMETERS.

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*** FOR PLATED RINGS, ADD 0.05 TO THE LISTED MAXIMUM THICKNESS. MAXIMUM RING THICKNESS WILL BE A MINIMUM OF 0.005 LESS THAN THE LISTED GROOVE WIDTH (W) MIN.

HARDNESS RANGES: STAINLESS STEEL RINGS (PH 15-7MO)

RING TYPE	SIZE RANGE	HARDNESS		
		VICKERS	ROCKWELL	
			HRC	LOWER SCALE*
DC	3 & 4	435-530	44-51	82.5-86 HR15N**
	5-17	435-530	44-51	63-69.5 HR30N
	18-55	435-530	44-51	-

*WHERE APPLICABLE

**HARDNESS CAN NOT BE CHECKED WITH ANY DEGREE OF ACCURACY DIRECTLY ON THESE RINGS.

HARDNESS RANGES: CARBON STEEL RINGS (SAE 1060-1090)

RING TYPE	SIZE RANGE	HARDNESS		
		VICKERS	ROCKWELL	
			HRC	LOWER SCALE*
DC	3 & 4	485-545	48-52	84.5-86.5 HR15N**
	5-17	485-545	48-52	66.5-70.5 HR30N
	18-55	485-545	48-52	-

*WHERE APPLICABLE

**HARDNESS CAN NOT BE CHECKED WITH ANY DEGREE OF ACCURACY DIRECTLY ON THESE RINGS.

HARDNESS RANGES: STAINLESS STEEL RINGS (DIN 1.4122 X39CrMo17)

RING TYPE	SIZE RANGE	HARDNESS			
		HV	HRC	15N	30N
DC	ALL	471-577	47-54	83.9-87.4	65.8-72