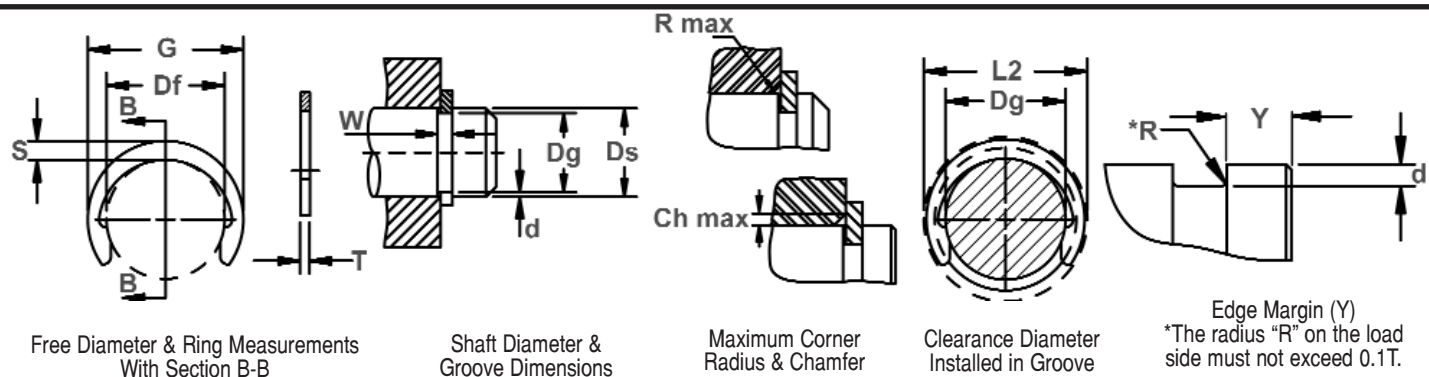


# DC Shaft Rings

## Radially Assembled, External Crescent, Metric

Ideal for low clearance applications where radial installation is preferred.

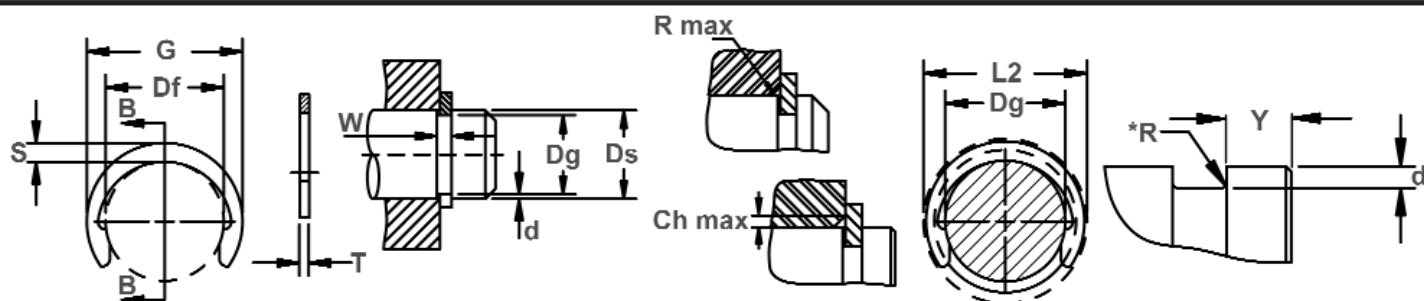


RING NO.	SHAFT DIA. (mm)	GROOVE SIZE			RING SIZE & WEIGHT				CLEARANCE				SUPPLEMENTARY DATA							
		DIAMETER		WIDTH	DEPTH		THICKNESS ***		FREE DIAMETER		MAX. SEC.	WGHT.	FREE O.D.	INSTALLED IN GROOVE	EDGE MARGIN	THRUST LOAD	THRUST LOAD	Allowable Rad/Cham	Max Load (lbs.)	RPM Limits
		Ds	Dg	Tol.	W Min.	d Ref.	T	Tol.	Df	Tol.	S max ref.	kg/1000	G Ref.	L2 Max.	Y Min.	Pr kN	Pg kN	R/Ch Max.	Pr kN	
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	-0,05	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	-0,06	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.	Pr kN	
DC-22	22	19.9		1.30	1.05	1.20		19.40		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	-0.21	1.30	1.20	1.20		22.00	±0.21	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		1.60	1.50	1.50		26.30		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	-0.06	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	±0.25	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	-0.25	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	±0.39	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	-0.07	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.

\*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.

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.