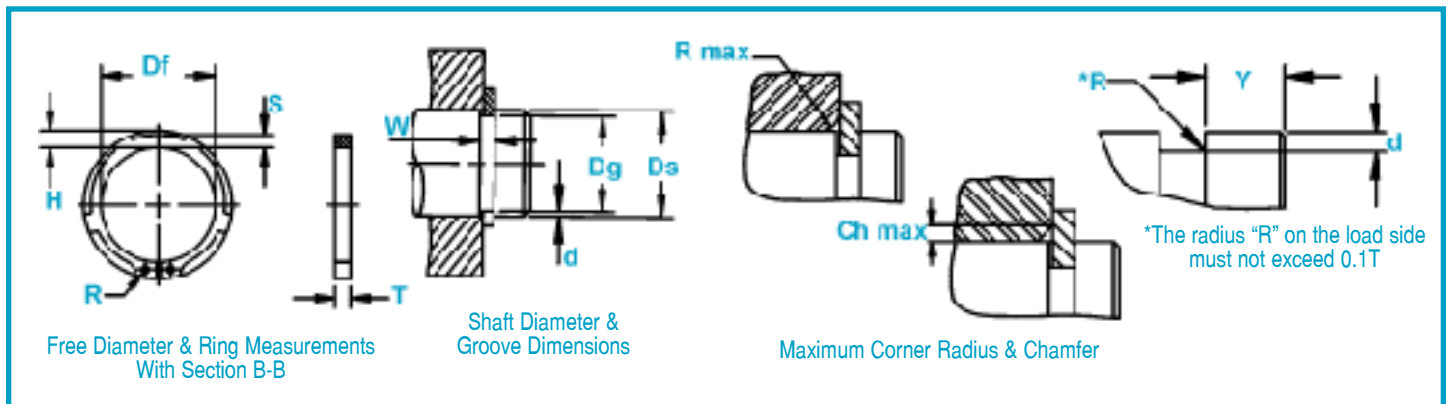


Axially Assembled, External, Metric

The increased shoulder offered by the teeth is particularly effective in retaining applications with large radii or chamfers.

(DIN 983) DST Rings



RING NO.	SHAFT DIAMETER		GROOVE SIZE				RING SIZE & WEIGHT							SUPPLEMENTARY DATA					
	Ds	Dg	Tol.	W	d	THICKNESS ***		FREE DIAMETER		LUG HT.	MAX. SEC.	HOLE DIA.	WEIGHT	EDGE MARGIN	THRUST LOAD Ring	THRUST LOAD Groove	Allowable Rad/ Cham.	Max. load w/ R/Ch. Max.	RPM Limits
						T	Tol.	Df	Tol.										
DST-16	16	15.2		1.10	0.40	1.00		14.7		3.5	2.3	1.7	0.82	1.2	7.4	3.26	1.0	2.4	45000
DST-17	17	16.2	-0,11	1.10	0.40	1.00		15.7	+0,10	3.6	2.4	1.7	0.93	1.2	8.0	3.46	1.0	2.4	41000
DST-18	18	17.0		1.30	0.50	1.20		16.5	-0,36	3.7	2.5	2.0	1.24	1.5	17.0	4.58	1.5	3.7	38000
DST-19	19	18.0		1.30	0.50	1.20		17.5		3.7	2.6	2.0	1.35	1.5	17.0	4.85	1.5	3.8	33000
DST-20	20	19.0		1.30	0.50	1.20		18.5		3.8	2.6	2.0	1.45	1.5	17.1	5.06	1.5	3.8	30000
DST-22	22	21.0	-0,15	1.30	0.50	1.20		20.5	+0,13	4.0	2.8	2.0	1.77	1.5	16.9	5.65	1.5	3.8	26000
DST-23	23	22.0		1.30	0.50	1.20		21.5	-0,42	4.1	2.9	2.0	1.84	1.5	16.6	5.90	1.5	3.8	24000
DST-24	24	22.9		1.30	0.55	1.20		22.2		4.2	3.0	2.0	1.98	1.6	16.1	6.75	1.5	3.6	26000
DST-25	25	23.9		1.30	0.55	1.20		23.2		4.3	3.0	2.0	2.12	1.6	16.2	7.05	1.5	3.7	24000
DST-26	26	24.9	-0,21	1.30	0.55	1.20		24.2		4.4	3.1	2.0	2.18	1.6	16.1	7.34	1.5	3.7	22000
DST-28	28	26.6		1.60	0.70	1.50	-0,06	25.9	+0,21	4.5	3.3	2.0	3.15	2.1	32.1	10.00	1.5	7.5	20000
DST-29	29	27.6		1.60	0.70	1.50		26.9	-0,42	4.7	3.4	2.0	3.35	2.1	31.8	10.30	1.5	7.4	19000
DST-30	30	28.6		1.60	0.70	1.50		27.9		4.7	3.4	2.0	3.65	2.1	32.1	10.70	1.5	7.6	18000
DST-32	32	30.3		1.60	0.85	1.50		29.6		5.0	3.6	2.5	4.00	2.5	31.2	13.80	2.0	5.5	16000
DST-34	34	32.3		1.60	0.85	1.50		31.5		5.1	3.8	2.5	4.15	2.5	31.3	14.70	2.0	5.6	16000
DST-35	35	33.0		1.60	1.00	1.50		32.2	+0,25	5.2	3.8	2.5	4.38	3.0	30.8	17.80	2.0	5.5	15000
DST-37	37	35.0		1.85	1.00	1.75		34.2	-0,50	5.4	4.0	2.5	6.30	3.0	50.0	18.80	2.0	9.1	13000
DST-38	38	36.0		1.85	1.00	1.75		35.2		5.5	4.1	2.5	6.50	3.0	49.5	19.30	2.0	9.1	13000
DST-40	40	37.5	-0,25	1.85	1.25	1.75		36.5		7.2	4.2	2.5	7.00	3.8	51.0	25.30	2.0	9.5	14000
DST-42	42	39.5		1.85	1.25	1.75		38.5		7.2	4.5	2.5	7.50	3.8	50.0	26.70	2.0	9.4	13000
DST-45	45	42.5		1.85	1.25	1.75		41.5	+0,39	7.2	4.6	2.5	8.50	3.8	49.0	28.60	2.0	9.3	11000
DST-47	47	44.5		1.85	1.25	1.75		43.5	-0,90	7.2	4.8	2.5	8.70	3.8	49.5	30.00	2.0	9.5	10000
DST-48	48	45.5		1.85	1.25	1.75		44.5		7.2	4.9	2.5	8.90	3.8	49.4	30.70	2.0	9.5	9000
DST-50	50	47.0		2.15	1.50	2.00		45.8		8.2	5.0	2.5	11.50	4.5	73.3	38.00	2.0	14.4	10000
DST-55	55	52.0		2.15	1.50	2.00		50.8		8.2	5.4	2.5	12.99	4.5	71.4	42.00	2.5	11.4	8000
DST-57	57	54.0		2.15	1.50	2.00		52.8		8.2	5.6	2.5	14.00	4.5	70.9	43.70	2.5	11.4	8000
DST-58	58	55.0		2.15	1.50	2.00		53.8		8.2	5.7	2.5	14.30	4.5	71.1	44.30	2.5	11.5	8000
DST-60	60	57.0		2.15	1.50	2.00		55.8		8.2	5.8	2.5	14.80	4.5	69.3	46.00	2.5	11.3	7000
DST-62	62	59.0		2.15	1.50	2.00	-0,07	57.8		8.2	5.9	2.5	15.90	4.5	69.3	47.50	2.5	11.4	7000
DST-65	65	62.0	-0,30	2.65	1.50	2.50		60.8	+0,46	10.2	6.2	3.0	21.70	4.5	135.0	49.80	2.5	22.7	6000
DST-67	67	64.0		2.65	1.50	2.50		62.5	-1,10	10.2	6.4	3.0	22.60	4.5	136.0	51.30	2.5	23.0	7000
DST-68	68	65.0		2.65	1.50	2.50		63.5		10.2	6.5	3.0	23.50	4.5	135.0	52.20	2.5	23.0	7000
DST-70	70	67.0		2.65	1.50	2.50		65.5		10.2	6.6	3.0	25.10	4.5	134.0	53.80	2.5	23.0	6000
DST-75	75	72.0		2.65	1.50	2.50		70.5		10.2	7.0	3.0	28.20	4.5	130.0	57.60	2.5	22.8	6000
DST-80	80	76.5		2.65	1.75	2.50		74.5		10.2	7.4	3.0	30.75	5.3	128.0	71.60	3.0	19.5	6000
DST-85	85	81.5		3.15	1.75	3.00		79.5		10.2	7.8	3.5	39.50	5.3	215.0	76.20	3.0	33.4	5000
DST-90	90	86.5	-0,35	3.15	1.75	3.00	-0,08	84.5		10.2	8.2	3.5	47.70	5.3	217.0	80.20	3.0	33.4	5000
DST-95	95	91.5		3.15	1.75	3.00		89.5		10.2	8.6	3.5	53.00	5.3	212.0	85.50	3.5	29.3	4000
DST-100	100	96.5		3.15	1.75	3.00		94.5	+0,54	10.2	9.0	3.5	56.60	5.3	206.0	90.00	3.5	29.0	4000
DST-110	110	106.0	-0,54	4.15	2.00	4.00	-0,10	103.0	-1,30	12.2	9.6	3.5	84.60	6.0	457.0	113.00	3.5	66.9	4000
DST-120	120	116.0		4.15	2.00	4.00		113.0		14.2	10.1	3.5	89.70	6.0	424.0	123.00	3.5	64.5	4000
DST-130	130	126.0	-0,63	4.15	2.00	4.00		123.0		14.2	10.7	4.0	105.00	6.0	395.0	134.00	4.0	55.2	3000
DST-140	140	136.0		4.15	2.00	4.00		133.0		14.2	11.2	4.0	115.00	6.0	376.0	144.00	4.0	54.4	3000

*** 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) MINIMUM.

ALL DIMENSIONS IN MILLIMETERS.

NUMBER OF TEETH (INCLUDING LUGS)

RING TYPE	SIZE RANGE	# TEETH
DST	16-58	6
	60-140	8

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

RING TYPE	SIZE RANGE	HV	HRC
DST	16-48	470-580	47-54
	50-140	435-530	44-51