

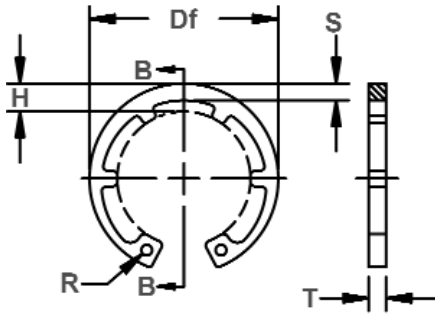


DHT Housing Rings

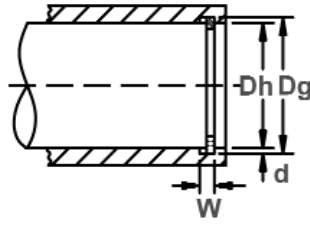
(DIN 984)

Axially Assembled, Internal Teeth, Metric

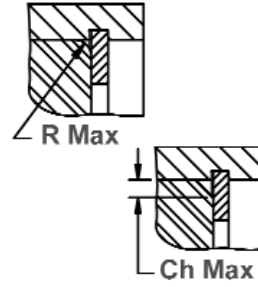
Similar in design to the DHO internal ring, this features several "teeth" equally distributed along the circumference of the ring. The increased shoulder offered by the teeth is particularly effective in retaining applications with large radii or chamfers.



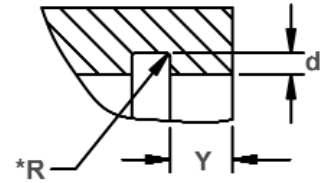
Free Diameter and Ring Measurements With Section B-B



Housing Diameter & Groove Dimensions



Allowable Corner Radius & Chamfer



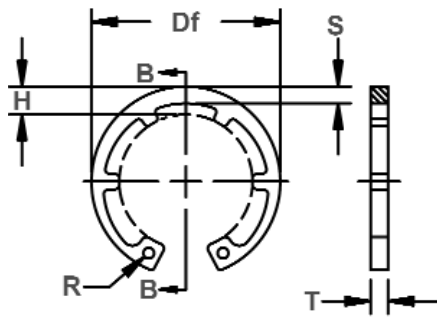
Exploded Groove Profile & Edge Margin (Y)

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

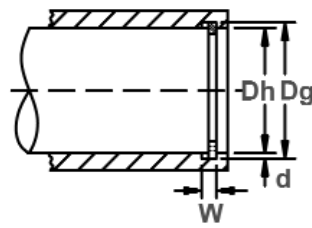
RING NO.	HOUSING DIA.	GROOVE SIZE			RING SIZE & WEIGHT						SUPPLEMENTARY DATA					
		DIAMETER		DEPTH	THICKNESS ***		FREE DIAMETER	LUG HT.	MAX. SEC.	HOLE DIA.	WEIGHT	EDGE MARGIN	THRUST LOAD Ring	THRUST LOAD Groove	Allowable Rad/ Cham.	Max. load w/ R/Ch. Max.
		Dh	Dg Tol.	d	T Tol.	Df Tol.	H Max.	S Ref.	R Min.	kg/ 1000	Y Min.	Pr kN	Pg kN	R/Ch Max.	P'r kN	
DHT-16	16	16,8	+0,11	1,10	0,40	1,00	17,3	3,4	2,1	1,7	0,72	1,2	5,5	3,4	1,0	2,5
DHT-17	17	17,8		1,10	0,40	1,00	18,3	3,7	2,2	1,7	0,80	1,2	6,0	3,6	1,0	2,5
DHT-18	18	19,0		1,10	0,50	1,00	19,5	4,1	2,3	2,0	0,90	1,5	6,5	4,8	1,0	2,6
DHT-19	19	20,0		1,10	0,50	1,00	20,5	3,8	2,3	2,0	0,99	1,5	6,8	5,1	1,0	2,6
DHT-20	20	21,0	+0,15	1,10	0,50	1,00	21,5	3,9	2,4	2,0	1,06	1,5	7,2	5,4	1,0	2,6
DHT-21	21	22,0		1,10	0,50	1,00	22,5	4,0	2,4	2,0	1,17	1,5	7,6	5,7	1,0	2,6
DHT-22	22	23,0		1,10	0,50	1,00	23,5	4,0	2,6	2,0	1,28	1,5	8,0	5,9	1,0	2,7
DHT-23	23	24,1		1,30	0,55	1,20	24,6	4,1	2,6	2,0	1,48	1,6	13,8	6,8	1,0	4,5
DHT-24	24	25,2		1,30	0,60	1,20	25,9	4,2	2,6	2,0	1,60	1,8	13,9	7,7	1,0	4,6
DHT-25	25	26,2		1,30	0,60	1,20	26,9	4,4	2,8	2,0	1,72	1,8	14,6	8,0	1,0	4,7
DHT-26	26	27,2	+0,21	1,30	0,60	1,20	28,5	4,4	2,8	2,0	2,00	1,8	13,8	8,4	1,0	4,6
DHT-27	27	28,4		1,30	0,70	1,20	29,1	4,5	2,9	2,0	2,00	2,1	13,3	10,1	1,0	4,5
DHT-28	28	29,4		1,30	0,70	1,20	30,1	4,9	3,0	2,0	2,10	2,1	13,3	10,5	1,0	4,5
DHT-30	30	31,4		1,30	0,70	1,20	32,1	4,9	3,2	2,0	2,35	2,1	13,7	11,3	1,0	4,6
DHT-31	31	32,7		1,30	0,85	1,20	33,4	5,0	3,2	2,5	2,42	2,5	13,8	14,1	1,0	4,7
DHT-32	32	33,7		1,30	0,85	1,20	34,4	5,1	3,3	2,5	2,50	2,5	13,8	14,6	1,0	4,7
DHT-33	33	34,7		1,30	0,85	1,20	35,5	5,1	3,3	2,5	2,65	2,5	14,3	15,0	1,5	4,9
DHT-34	34	35,7		1,60	0,85	1,50	36,5	5,3	3,4	2,5	3,80	2,5	26,2	15,4	1,5	6,3
DHT-35	35	37,0		1,60	1,00	1,50	37,8	5,5	3,6	2,5	4,00	3,0	26,9	18,8	1,5	6,4
DHT-36	36	38,0	+0,25	1,60	1,00	1,50	38,8	5,6	3,6	2,5	4,15	3,0	26,4	19,4	1,5	6,4
DHT-38	38	40,0		1,60	1,00	1,50	40,8	6,1	3,8	2,5	4,40	3,0	28,2	22,5	1,5	6,7
DHT-40	40	42,5		1,85	1,25	1,75	43,5	7,2	4,0	2,5	5,30	3,8	44,6	27,0	2,0	8,3
DHT-42	42	44,5		1,85	1,25	1,75	45,5	7,2	4,1	2,5	6,00	3,8	44,7	28,4	2,0	8,4
DHT-44	44	46,5		1,85	1,25	1,75	47,5	7,2	4,2	2,5	6,45	3,8	43,3	29,5	2,0	8,3
DHT-45	45	47,5		1,85	1,25	1,75	48,5	7,2	4,3	2,5	6,60	3,8	43,1	30,2	2,0	8,2
DHT-47	47	49,5		1,85	1,25	1,75	50,5	7,2	4,5	2,5	6,90	3,8	43,5	31,4	2,0	8,3
DHT-48	48	50,5	+0,30	1,85	1,25	1,75	51,5	7,2	4,5	2,5	7,50	3,8	43,2	32,0	2,0	8,4

*** 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.

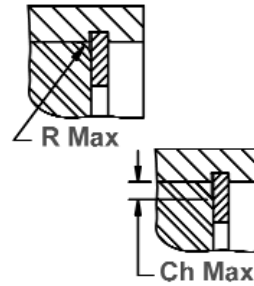
ALL DIMENSIONS IN MILLIMETERS.



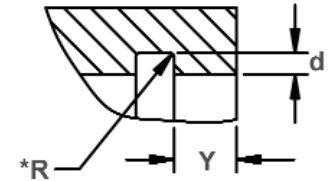
Free Diameter and Ring Measurements With Section B-B



Housing Diameter & Groove Dimensions



Allowable Corner Radius & Chamfer



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

RING NO.	HOUSING DIA.		GROOVE SIZE			RING SIZE & WEIGHT						SUPPLEMENTARY DATA							
			DIAMETER		WIDTH	DEPTH	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.
			Dh	Dg	Tol.	W Min.	d	T	Tol.	Df	Tol.	H Max.	S Ref.	R Min.	kg/ 1000	Y Min.	Pr kN	Pg kN	R/Ch Max.
DHT-50	50	53.0	+0.30	2.15	1.50	2.00	-0.07	54.2	+1.10 -0.46	8.2	4.7	2.5	8.50	4.5	60.8	40.5	2.0	12.1	
DHT-52	52	55.0		2.15	1.50	2.00		56.2		8.2	4.7	2.5	9.40	4.5	60.2	42.0	2.0	12.0	
DHT-55	55	58.0		2.15	1.50	2.00		59.2		8.2	5.1	2.5	9.75	4.5	60.3	44.4	2.0	12.5	
DHT-57	57	60.0		2.15	1.50	2.00		61.2		8.2	5.2	2.5	11.65	4.5	60.8	46.0	2.0	12.7	
DHT-58	58	61.0		2.15	1.50	2.00		62.2		8.2	5.3	2.5	12.00	4.5	60.8	46.7	2.0	12.7	
DHT-60	60	63.0		2.15	1.50	2.00		64.2		8.2	5.5	2.5	12.70	4.5	61.0	48.3	2.0	13.0	
DHT-62	62	65.0		2.15	1.50	2.00		66.2		8.2	5.6	2.5	12.75	4.5	60.9	49.8	2.0	13.0	
DHT-65	65	68.0		2.65	1.50	2.50		69.2		10.2	5.8	3.0	16.70	4.5	121.0	51.8	2.5	20.8	
DHT-67	67	70.0		2.65	1.50	2.50		71.5		10.2	6.0	3.0	18.60	4.5	121.0	53.8	2.5	21.1	
DHT-68	68	71.0		2.65	1.50	2.50		72.5		10.2	6.1	3.0	19.30	4.5	121.0	54.5	2.5	21.2	
DHT-70	70	73.0	2.65	1.50	2.50	74.5	10.2	6.2	3.0	20.20	4.5	119.0	56.2	2.5	21.0				
DHT-72	72	75.0	2.65	1.50	2.50	76.5	10.2	6.4	3.0	21.20	4.5	119.0	58.0	2.5	21.0				
DHT-75	75	78.0	2.65	1.50	2.50	79.5	10.2	6.6	3.0	22.60	4.5	118.0	60.0	2.5	21.0				
DHT-80	80	83.5	2.65	1.75	2.50	85.5	10.2	7.0	3.0	25.00	5.3	120.0	74.6	2.5	21.8				
DHT-85	85	88.5	3.15	1.75	3.00	90.5	12.2	7.4	3.5	30.10	5.3	201.0	79.5	3.0	31.2				
DHT-90	90	93.5	3.15	1.75	3.00	95.5	12.2	7.7	3.5	35.50	5.3	199.0	84.0	3.0	31.4				
DHT-95	95	98.5	3.15	1.75	3.00	100.5	12.2	8.1	3.5	40.00	5.3	195.0	88.6	3.0	31.4				
DHT-100	100	103.5	3.15	1.75	3.00	105.5	12.2	8.5	3.5	43.50	5.3	188.0	93.1	3.0	30.8				
DHT-110	110	114.0	4.15	2.00	4.00	117.0	12.2	9.0	3.5	73.00	6.0	415.0	117.0	3.0	71.0				
DHT-115	115	119.0	4.15	2.00	4.00	122.0	12.2	9.3	3.5	82.00	6.0	409.0	122.0	3.0	71.2				
DHT-120	120	124.0	4.15	2.00	4.00	127.0	12.2	9.6	3.5	87.00	6.0	396.0	127.0	3.0	70.0				
DHT-125	125	129.0	4.15	2.00	4.00	132.0	12.2	9.9	4.0	92.00	6.0	385.0	132.0	3.0	70.0				
DHT-130	130	134.0	4.15	2.00	4.00	137.0	12.2	10.2	4.0	102.00	6.0	374.0	138.0	3.0	69.0				
DHT-140	140	144.0	4.15	2.00	4.00	148.0	14.2	10.7	4.0	112.00	6.0	350.0	148.0	3.0	66.5				
DHT-150	150	155.0	4.15	2.50	4.00	158.0	14.2	11.1	4.0	123.00	7.5	326.0	191.0	3.0	64.0				
DHT-160	160	165.0	4.15	2.50	4.00	169.0	14.2	11.8	4.5	133.00	7.5	321.0	212.0	3.5	54.5				
DHT-170	170	175.0	4.15	2.50	4.00	179.0	14.2	12.3	4.5	145.00	7.5	349.0	225.0	3.5	59.0				

*** 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
DHT	16-58	6
	60-170	8

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

RING TYPE	SIZE RANGE	HARDNESS		
		VICKERS	ROCKWELL	
			HRC	LOWER SCALE*
DHT	16-22	470-580	47-54	66-72 HR30N
	23-48	470-580	47-54	-
	50-170	435-530	44-51	-

*WHERE APPLICABLE