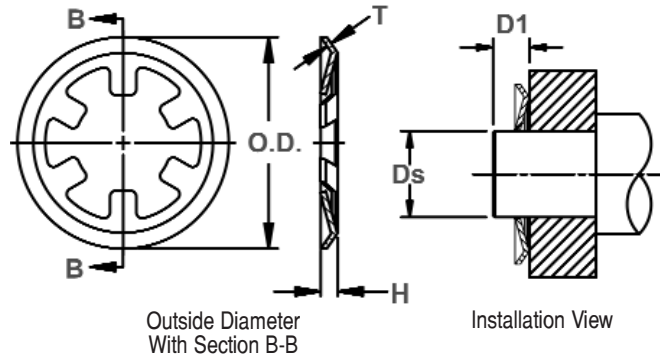


External, Self-Locking Push-On (Curved Rim)

This ring features an outer rim with a series of prongs protruding into the center. The ends create interference with the shaft when the ring is installed and a load introduced to the other side. The outer rim of the TX is curved which affords greater thrust load capacity and is easier to orient for assembly than the TY ring (next page.)



RING NO.	SHAFT DIAMETER				OUTSIDE DIAMETER		No. of prongs	*** RING HEIGHT		* THICKNESS **Standard		i Thrust Ld. @ Std. T	Wght. Per 1000 Pcs. @ Std. T	* Thick-ness Optional		i Thrust Ld. @ Opt. T	WEIGHT Per 1000 Pcs. @ Opt. T	Min. Distance Face of part to end of shaft				
	Ds DEC		Ds FRACT	Ds mm	O.D.	Tol.		H	Tol.	T	Tol.			T	Tol.				lbs.	lbs.	lbs.	lbs.
	FROM	TO																				
TX-9	.091	.097	3/32	2.39	.326	±.005	3	.029		.010	±.001	27	.16	.015	45	.25	.058					
TX-12	.121	.129	1/8	3.17	.366		4	.029	±.005	.010		39	.19	±.002	57	.30	.058					
TX-15	.152	.160	5/32	3.96	.397		4	.029		.010		46	.22		70	.35	.058					
TX-18	.184	.192	3/16	4.77	.444		6	.031	±.007	.010		56	.27	.015 ±.002	85	.42	.062					
TX-25	.246	.254	1/4	6.35	.522		6	.042		.015		112	.55	.010	58	.39	.074					
TX-31	.308	.316	5/16	7.92	.584		8	.042	±.008	.015		112	.64	±.001	60	.44	.074					
TX-37	.371	.379	3/8	9.53	.645		8	.042		.015		122	.74	.010 ±.001	65	.48	.074					
RTX-37	.371	.379	3/8	9.53	.645		4	.047	±.010	.020		250 Min.	1.14	-	-	-	.074					
TX-43	.432	.442	7/16	11.1	.737		10	.045	±.009	.015		122	.96	-	-	-	.090					
TX-50	.495	.505	1/2	12.7	.828		10	.054		.015		122	1.27	-	-	-	.108					
TX-56	.557	.567	9/16	14.27	.889	±.010	12	.054		.015	±.002	127	1.38	-	-	-	.108					
TX-62	.620	.630	5/8	15.88	.951		12	.054	±.010	.015		137	1.47	-	-	-	.108					
TX-75	.745	.755	3/4	19.05	1.076		14	.054		.015		142	1.65	-	-	-	.108					
TX-87	.870	.880	7/8	22.23	1.203		16	.054		.015		142	1.96	-	-	-	.108					
TX-100	.995	1.005	1	25.4	1.327		18	.054		.015		142	2.29	-	-	-	.108					
RTX-100	.995	1.005	1	25.4	1.327		6	.059		.020		600 Min.	3.30	-	-	-	.108					

*FOR PLATED RINGS ADD .002" TO MAXIMUM THICKNESS AND HEIGHT.

** STANDARD THICKNESS FOR STAINLESS STEEL IS AS FOLLOWS:TX-9-TX-37, .010"; TX-43-TX-100, .015".

*** FOR TX-9-TX-18 OPTIONAL THICKNESS (.015"), ADD .005" TO RING HEIGHT VALUES (H) SHOWN.

FOR TX-25-TX-37 OPTIONAL THICKNESS (.010), DEDUCT.005" FROM RING HEIGHT VALUES (H) SHOWN.

THRUST LOAD CAPACITY IF APPLICABLE TO PARTS MADE FROM CARBON SPRING STEEL AND STAINLESS STEEL MATERIALS ONLY.

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

RING TYPE	SIZE RANGE	SCALE	ROCKWELL HARDNESS
TX	All .010 Thick Rings	15N	82.5-86*
	All .015 Thick Rings	15N	82.5-86

HARDNESS RANGES: BERYLLIUM COPPER RINGS

RING TYPE	SIZE RANGE	SCALE	ROCKWELL HARDNESS
TX	All .010 Thick Rings	15N	77-82*
	All .015 Thick Rings	15N	77-82

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

RING TYPE	SIZE RANGE	SCALE	ROCKWELL HARDNESS
TX	All .010 Thick Rings	15N	84-86*
	All .015 Thick Rings	15N	84-86

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

