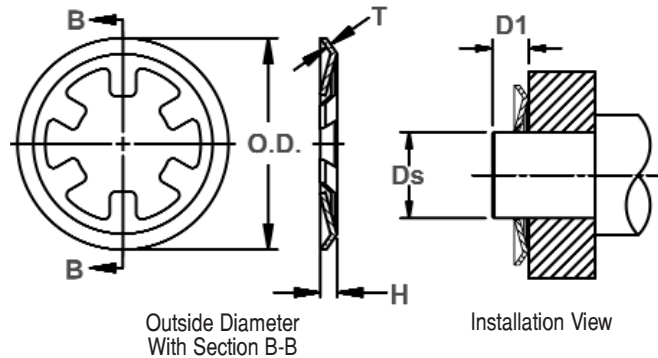


External, Self-Locking Push-On (Curved Rim)

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	† Thrust Ld. @ Std. T	Wght. Per 1000 Pcs. @ Std. T	* Thick-ness Optional	† 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.																		
	FROM	TO								T Tol.	lbs.	lbs.	T Tol.	lbs.	lbs.	D1											
TX-9	.091	.097	3/32	2.39	.326	±.005	3	.029	±.005	.010 ±.001		.015 ±.002	45	.25	.058												
TX-12	.121	.129	1/8	3.17	.366		4	.029																			
TX-15	.152	.160	5/32	3.96	.397		4	.029																			
TX-18	.184	.192	3/16	4.77	.444		6	.031																			
TX-25	.246	.254	1/4	6.35	.522		6	.042	±.008							.015 ±.002		.010 ±.001	58	.39	.074						
TX-31	.308	.316	5/16	7.92	.584		8	.042																			
TX-37	.371	.379	3/8	9.53	.645		8	.042																			
TX-43	.432	.442	7/16	11.1	.737		10	.045	±.009													.015 ±.002					
TX-50	.495	.505	1/2	12.7	.828		10	.054	±.010																		
TX-56	.557	.567	9/16	14.27	.889		12	.054																			
TX-62	.620	.630	5/8	15.88	.951	12	.054																				
TX-75	.745	.755	3/4	19.05	1.076	14	.054	±.010																			
TX-87	.870	.880	7/8	22.23	1.203	16	.054																				
TX-100	.995	1.005	1	25.4	1.327	18	.054																				

*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.

FOR HARDNESS SPECIFICATIONS SEE PAGE 80.

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.