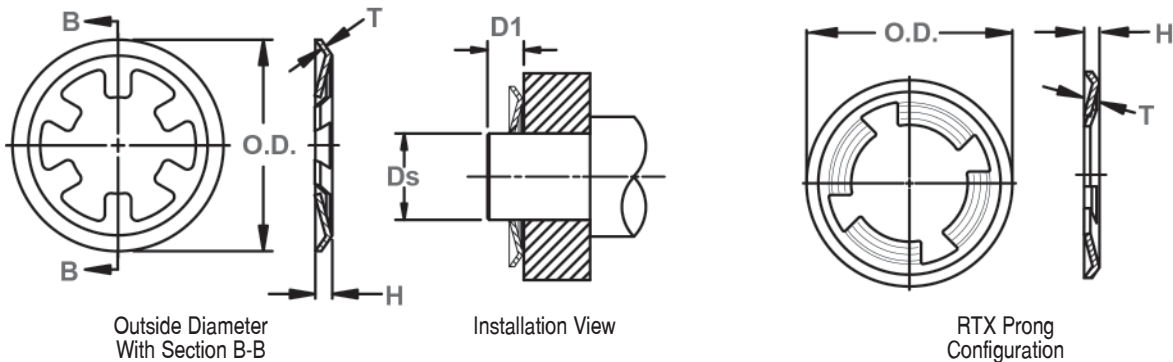


## External, Self-Locking Push-On (Curved Rim)

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.)

# TX Shaft Rings



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.						
	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
RTX-12	.121	.129	1/8	3.17	.366		2	.029		.010		100	.30	-	-	-	.058
TX-15	.152	.160	5/32	3.96	.397		4	.029		.010		46	.22	.015	70	.35	.058
TX-18	.184	.192	3/16	4.77	.444		6	.031	±.007	.010	±.001	56	.27	±.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		65	.48	.074
RTX-37	.371	.379	3/8	9.53	.645		4	.047	±.010	.020		250	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	±.010	10	.054		.015	±.002	122	1.27	-	-	-	.108
TX-56	.557	.567	9/16	14.27	.889		12	.054		.015		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	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 INSTALLED ON LOW CARBON STEEL SHAFTS WITHIN THE LISTED DIA. RANGE.

### 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.

