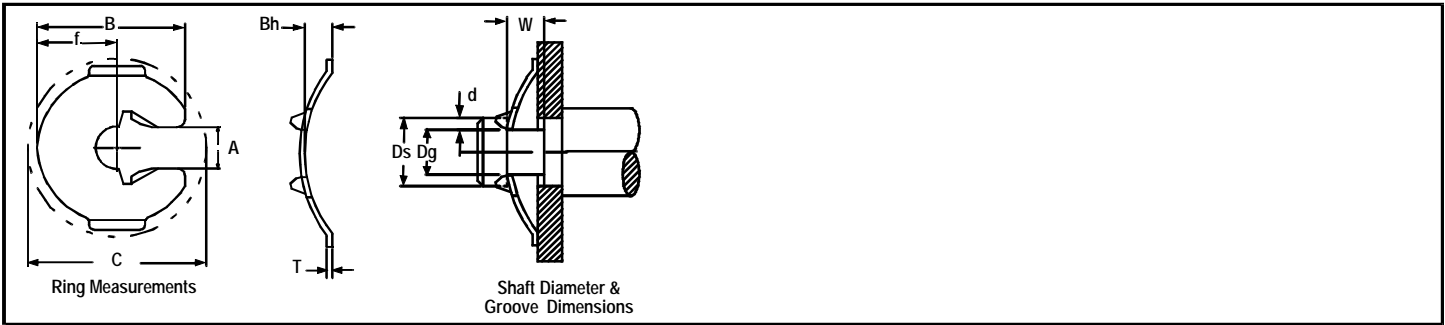




Rotor Clip EL Retaining Rings External Retaining Rings, For End Play Take Up

Two prongs along the inner circumference retain the EL against the shaft.



RING NO.	SHAFT			GROOVE SIZE				RING SIZE & WEIGHT							CLEAR.		THRUST LOAD (lbs. sq. corner abutment)				
	DIAMETER INCHES			DIAMETER		WIDTH		DEPTH		LENGTH		THICKNESS***		BOW HEIGHT		GAP		WGHT. PER 1000 P	Released In Groove	Ring Safety Factor Of 3	Groove Safety Factor Of 3
	Ds DEC	Tol.	Ds FRACT	Dg	Tol.	W	TOL.	d	B	Tol.	T	Tol.	Bh	Tol.	A	Tol.	LBS.				
EL-9	.092		3/32	.061	±.001	.035		.016	.307		.010		.050		.063		.23	.370	80	35	
EL-12	.125	±.002	1/8	.082	±.0015	.035		.021	.307		.010	±.001	.050		.086	±.004	.19	.370	102	60	
EL-18	.188		3/16	.124	±.002	.045	+ .005	.032	.390	±.010	.015		.060	±.010	.130		.47	.480	203	140	
EL-25	.250	±.003	1/4	.165		.055	- .000	.042	.500		.015	±.002	.070		.172	±.005	.77	.620	305	250	
EL-31	.312		5/16	.228	±.003	.080		.042	.620		.015		.095		.234		1.3	.790	355	300	
EL-37	.375		3/8	.270		.095		.052	.740		.020		.130		.280		2.2	.940	555	450	

† BASED ON HOUSINGS/SHAFTS MADE OF COLD ROLLED STEEL. FOR AN EXPLANATION

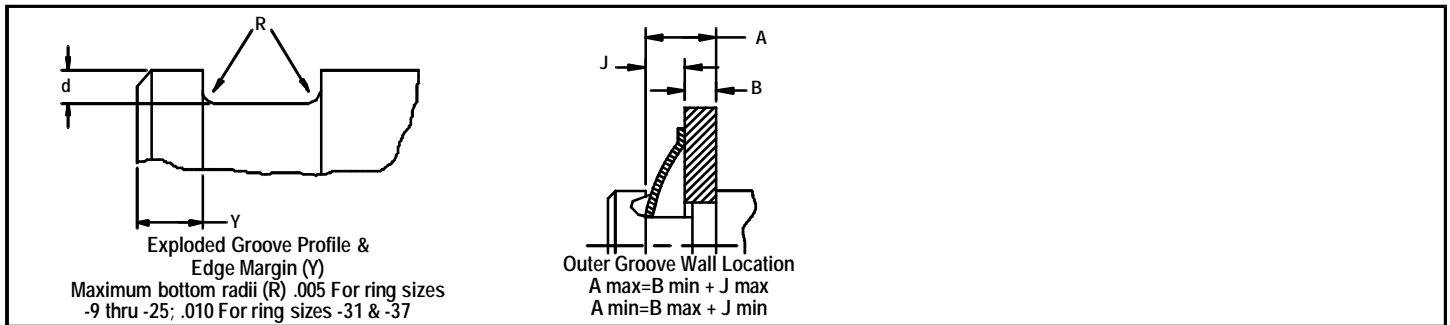
OF FORMULAS USED TO DERIVE THRUST LOAD AND OTHER PERFORMANCE DATA CONTACT THE ROTOR CLIP ENGINEERING DEPARTMENT.

LARGER SIZES MAY BE AVAILABLE UPON REQUEST.

***For plated rings, add .002" to the listed maximum thickness.

For a technical concern,
Please ask for our Technical Sales Department.

1-800-55-ROTOR



RING NO.	DISTANCE OUTER GROOVE WALL TO FACE OF RETAINED PART		RESILIENT TAKE-UP OF TOLERANCES OF A&B	FORCE NEEDED TO FLATTEN RINGS	APPROX. AV RESILIENT RES. (lbs) WITHIN J MAX. & J MIN		f REF.	EDGE MARGIN Y
	J MIN.	J MAX.			J MAX. J MIN.	LBS.		
EL-9	.030	.038	.008	30	9	3.5	.166	.031
EL-12	.030	.040	.010	30	8	3.0	.166	.043
EL-18	.039	.049	.010	60	20	5.5	.213	.064
EL-25	.045	.060	.015	60	15	7.0	.280	.085
EL-31	.070	.085	.015	60	6	4.0	.360	.084
EL-37	.080	.105	.025	80	19	7.0	.427	.105

TABLE 1: HARDNESS RANGES-ROTOR CLIP STAINLESS STEEL RINGS (PH 15-7 MO)

RING	SIZE RANGE	SCALE	ROCKWELL HARDNESS
EL	9&12	15N	82.5-86*
	18-31	15N	82.5-86
	37	30N	63-69.5

TABLE 2: HARDNESS RANGES-ROTOR CLIP BERYLLIUM COPPER RINGS

RING	SIZE RANGE	SCALE	ROCKWELL HARDNESS
EL	9&12	15N	77-82*
	18-37	15N	77-82

TABLE 2: HARDNESS RANGES-ROTOR CLIP BERYLLIUM COPPER RINGS

RING	SIZE RANGE	SCALE	ROCKWELL HARDNESS
EL	9&12	15N	77-82*
	18-37	15N	77-82

*Hardness cannot be checked with any degree of accuracy directly on these rings.