



CONTENTS OF RETAINING RINGS KIT RPK-5

Part Number	Shaft Diameter (inches)	E/SE Variety	Quantity
6REBP	1/16	E	200
9REBP	3/32	E	150
12REBP	1/8	E	150
-	9/64	E	100
15 REBP	5/32	E	100
18REBP	3/16	E	100
25REBP	1/4	E	50
37REBP	3/8	E	50
43REBP	7/16	E	50
50REBP	1/2	E	40
62REBP	5/8	E	40
-	3/4	E	15
87REBP	7/8	E	15
-	3/32	SE	150
-	7/64	SE	150
17RSEBP	11/64	SE	100
21RSEBP	7/32	SE	50
31RSEBP	5/16	SE	50
98RSEBP	63/64	SE	15
118RSEBP	1-3/16	SE	12

<b>Description</b>	A collection of semi-circular stampings, each with two ends which are set further apart than both internal and external rings. The two ends have flared "prongs" which are substantially wider than the other parts of the ring. A center prong extends from the inside perimeter of the ring, halfway between the two ends. The three prongs, when radially installed, make contact with the bottom of the groove.
<b>Applications/ Advantages</b>	Designed for radial (vertical) installation into machined grooves on shafts of varying diameter. E-rings require a deeper groove, but provide exceptional thrust loadings when compared to fasteners of the same size and weight. Steel rings can be safely used within a temperature range of -100°F to 500°F.
<b>Material</b>	Carbon spring steel SAE 1060 - 1090
<b>Heat Treatment</b>	Retaining rings are heat treated using the austempering method. Rings are uniformly heated to temperatures over 1500° F. They are then isothermally quenched in a molten salt bath at 600° F for 35 minutes. This results in parts with a bainite structure characterized by good mechanical properties.
<b>Hardness</b>	Size 6: Rockwell 15N 84.5 - 87 (Hardness cannot be checked with any degree of accuracy on this size) Sizes 9 - S14: Rockwell 15N 84.5 - 87 Sizes 14 - S31: Rockwell 30N 66.5 - 71 Sizes 37 & over: Rockwell C 47 - 52
<b>Finish</b>	Black Phosphate