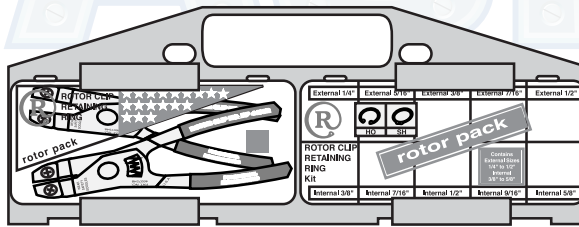


RETAINING RINGS

EXTERNAL & INTERNAL

Kits



CONTENTS OF RETAINING RINGS KIT RPK-4

Part Number	Shaft Diameter (In.)	Style	Quantity	Part Number	Shaft Diameter (In.)	Style	Quantity
37RIBP	3/8	Internal	50	25REXP	1/4	External	50
43RIBP	7/16	Internal	50	31REXP	5/16	External	50
50RIBP	1/2	Internal	50	37REXP	3/8	External	50
56RIBP	9/16	Internal	50	43REXP	7/16	External	50
62RIBP	5/8	Internal	50	50REXP	1/2	External	50
75RIBP	3/4	Internal	50	56REXP	9/16	External	50
87RIBP	7/8	Internal	50	62REXP	5/8	External	50
100RIBP	1	Internal	50	75REXP	3/4	External	50
112RIBP	1-1/8	Internal	50	87REXP	7/8	External	50
				100REXP	1	External	50
				112REXP	1-1/8	External	50

This kit includes 2 pairs of pliers to fit every ring in the kit.

Variety	External	Internal
Description	A ring-shaped stamping with one opening on the circumference. The two ends at the opening are called lugs and flare out slightly allowing for easier installation onto shafts.	A ring-shaped stamping with one opening on the circumference. The two ends at the opening are called lugs and flare slightly into the groove. When the lugs are released, contact is made with the grooved housing.
Applications/Advantages	The external retaining ring is for axial assembly into machined grooves on shafts. Tapered section design assures uniform circular deformation allowing for complete contact and tightness in groove. Steel rings can be safely used within a temperature range of -100°F to 500°F.	The internal retaining ring design is for axial installation into machined grooves in housings and bores. The tapered section design assures uniform circular deformation, allowing for complete contact and tightness in groove. Steel rings can be safely used within a temperature range of -100°F to 500°F.
Material	Carbon spring steel SAE 1060 - 1090	
Heat Treatment	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.	
Hardness	<p><i>Sizes 25 & 46:</i> Rockwell 30N 69.5 - 73</p> <p><i>Sizes 50 - 81:</i> Rockwell 30N 66 - 71</p> <p><i>Sizes 87 - 102:</i> Rockwell C 47 - 53</p> <p><i>Sizes 106 - 343:</i> Rockwell C 47 - 52</p>	<p><i>Sizes 25 & 31:</i> Rockwell 15N 86 - 88</p> <p><i>Sizes 37 - 51:</i> Rockwell 30N 69.5 - 73</p> <p><i>Sizes 56 - 77:</i> Rockwell 30N 67.5 - 72</p> <p><i>Sizes 81 - 102:</i> Rockwell 30N 66 - 71</p> <p><i>Sizes 106 - 347:</i> Rockwell C 47 - 52</p>
Finish	Black Phosphate	