

SMALLEY® SPIRAL RETAINING RINGS
SAE 1070-90 Carbon Steel

surface treatment:
Oil dipped
Example of designation: XDS-50

d1=shaft diameter
d2=groove diameter
d3=internal ring diameter
S=thickness

Light duty series
XDS - for shafts
(in inches)


description	Price Euro x100	% Price Change		Package
		1	2	
XDS-143	55,00	+ 20%	-	250

DESCRIPTION	GROOVE	THRUST CAPACITY
XDS-143	d2 inch. 1.369 mm 34.77	ring shear Newtons 32.129 L.B.S. 7,223
d1 mm 36.50	Toll. d2 inch. +/-0,004 mm +/-0,1	(safety factor =3)
d1 inch 1.437	c inch. 0.046 mm 1.17	groove yield Newtons 15.361 L.B.S. 3,454
RING IN THE UNSTRESSED STATE	Toll. c inch. +0,003 mm +0,080	(based on a groove material yield strength of 310/mm and a safety factor of 2)
d3 inch. 1.349 mm 34.26		
Toll. d3 inch. -0,031 mm -0,79		
b inch. 0.125 mm 3.18		
Toll. b inch. +/-0,005 mm +/-0,13		
s inch. 0.042 mm 1.07		
Toll. s inch. +/-0,002 mm +/-0,05		
Weight Kg/1000 3.09		

Technical informations are indicative and can be updated.

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