

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-137	54,00	+ 20%	-	250

DESCRIPTION		GROOVE		THRUST CAPACITY	
XDS-137		d2	inch. 1.309 mm 33.25	ring shear	Newtons 30.742 L.B.S. 6,912
d1 mm	34.93	Toll. d2	inch. +/-0,004 mm +/-0,1	(safety factor =3)	
d1 inch	1.375	c	inch. 0.046 mm 1.17	groove yield	Newtons 14.266 L.B.S. 3,207
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. 1.289 mm 32.74				
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	2.96				

Technical informations are indicative and can be updated.

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