

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
XDS-250	140,00	+ 20%	100

DESCRIPTION	GROOVE	THRUST CAPACITY
XDS-250	d2 inch. 2.420 mm 61.47	ring shear Newtons 55.895 L.B.S. 12,566 (safety factor =3)
d1 mm 63.50	Toll. d2 inch. +/-0,006 mm +/-0,15	groove yield Newtons 31.441 L.B.S. 7,069 (based on a groove material yield strength of 310/mm and a safety factor of 2)
d1 inch 2.500	c inch. 0.046 mm 1.17	
	Toll. c inch. +0,003 mm +0,080	
RING IN THE UNSTRESSED STATE		
d3 inch. 2.390 mm 60.71		
Toll. d3 inch. -0,062 mm -1,57		
b inch. 0.156 mm 3.96		
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 6.65		

Technical informations are indicative and can be updated.

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