

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-168	92,00	+ 20%	-	250

DESCRIPTION		GROOVE		THRUST CAPACITY	
XDS-168		d2	inch. 1.607 mm 40.82	ring shear	Newtons 37.718 L.B.S. 8,480
d1 mm	42.85	Toll. d2	inch. +/-0,004 mm +/-0,1	(safety factor =3)	
d1 inch	1.687	c	inch. 0.046 mm 1.17	groove yield	Newtons 21.216 L.B.S. 4,770
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. 1.582 mm 40.18				
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	4.51				

Technical informations are indicative and can be updated.

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