

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-500	640,00	+ 20%	-	25

DESCRIPTION	GROOVE	THRUST CAPACITY
XDS-500	d2	ring shear
d1 mm	inch. 4.860	Newton's 188.646
d1 inch	mm 123.44	L.B.S. 42,412
	Toll. d2	(safety factor =3)
	inch. +/-0,006	groove yield
	mm +/-0,15	Newton's 110.044
	c	L.B.S. 24,740
	inch. 0.086	(based on a groove material yield
	mm 2.18	strength of 310/mm and a safety factor
	Toll. c	of 2)
	inch. +0,005	
	mm +0,130	
RING IN THE UNSTRESSED STATE		
d3	inch. 4.800	
	mm 121.92	
Toll. d3	inch. -0,093	
	mm -2,36	
b	inch. 0.218	
	mm 5.54	
Toll. b	inch. +/-0,005	
	mm +/-0,13	
s	inch. 0.078	
	mm 1.98	
Toll. s	inch. +/-0,002	
	mm +/-0,05	
Weight Kg/1000	34.11	

Technical informations are indicative and can be updated.

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