

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-650	830,00	+ 20%	25

DESCRIPTION	GROOVE	THRUST CAPACITY
XDS-650	d2 inch. 6.340 mm 161.04	ring shear Newtons 294.288 L.B.S. 66,162
d1 mm 165.10	Toll. d2 inch. +/-0,008 mm +/-0,2	(safety factor =3)
d1 inch 6.500	c inch. 0.103 mm 2.62	groove yield Newtons 163.494 L.B.S. 36,757
	Toll. c inch. +0,005 mm +0,130	(based on a groove material yield strength of 310/mm and a safety factor of 2)
RING IN THE UNSTRESSED STATE		
d3 inch. 6.270 mm 159.26		
Toll. d3 inch. -0,125 mm -3,18		
b inch. 0.250 mm 6.35		
Toll. b inch. +/-0,005 mm +/-0,13		
s inch. 0.093 mm 2.36		
Toll. s inch. +/-0,002 mm +/-0,05		
Weight Kg/1000 60.58		

Technical informations are indicative and can be updated.

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