GANDINI

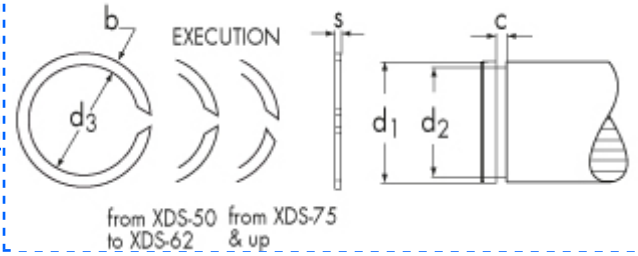
Friday, May 17, 2024

SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90 Carbon Steel

surface treatment:
Oil dipped

Example of designation: XDS-50



Light duty series
XDS - for shafts (in inches)

d1=shaft diameter
d2=groove diameter
d3=internal ring diameter
S=thickness

description	Price Euro x100	% Price Change 1	% Price Change 2	Package
XDS-218	**130,00**	+ 20%	-	100

DESCRIPTION	
XDS-218	
d1 mm	55.55
d1 inch	2.187

RING IN THE UNSTRESSED STATE	
d3	inch. 2.082 mm 52.88
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	5.83

GROOVE	
d2	inch. 2.107 mm 53.52
Toll. d2	inch. +/-0,006 mm +/-0,15
c	inch. 0.046 mm 1.17
Toll. c	inch. +0,003 mm +0,080

THRUST CAPACITY	
ring shear	Newtons 48.897 L.B.S. 10,993
(safety factor =3)	
groove yeld	Newtons 27.505 L.B.S. 6,184
(based on a groove material yeld strength of 310/mm and a safety factor of 2)	

Technical informations are indicative and can be updated.
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