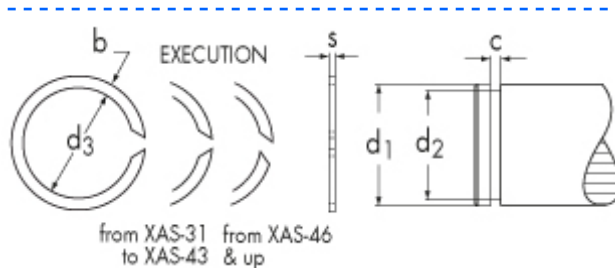


SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90 Carbon Steel

surface treatment:
Oil dipped

Example of designation: XAS 31



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

Medium duty
series
**XAS - for shafts
(in inches)**



description	Price Euro x100	% Price Change		Package
		1	2	
XAS-31	31,00	+ 20%	-	1000

DESCRIPTION	GROOVE	THRUST CAPACITY
XAS-31	d2 inch. 0.290 mm 7.37	ring shear Newtons 4.345 L.B.S. 977
d1 mm 7.92	Toll. d2 inch. +/-0,002 mm +/-0,05	(safety factor =3)
d1 inch 0.312	c inch. 0.028 mm 0.71	groove yield Newtons 1.079 L.B.S. 243
RING IN THE UNSTRESSED STATE		(based on a groove material yield strength of 310/mm and a safety factor of 2)
d3 inch. 0.281 mm 7.14	Toll. c inch. +0,003 mm +0,080	
Toll. d3 inch. -0,015 mm -0,38		
b inch. 0.040 mm 1.02		
Toll. b inch. +/-0,003 mm +/-0,08		
s inch. 0.025 mm 0.64		
Toll. s inch. +/-0,002 mm +/-0,05		
Weight Kg/1000 0.13		

Technical informations are indicative and can be updated.

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