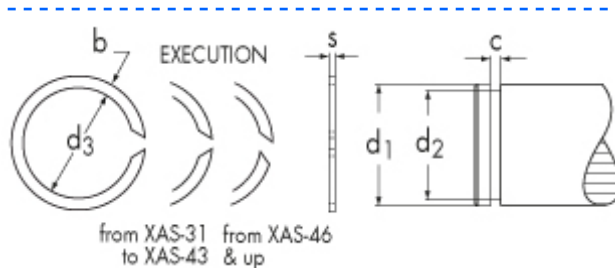


SMALLEY® SPIRAL RETAINING RINGS

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-231	170,00	+ 20%	-	100

DESCRIPTION	GROOVE	THRUST CAPACITY
XAS-231	d2 inch. 2.204 mm 55.98	ring shear Newtons 87.230 L.B.S. 19,611 (safety factor =3)
d1 mm 58.72	Toll. d2 inch. +/-0,006 mm +/-0,15	groove yield Newtons 39.254 L.B.S. 8,825 (based on a groove material yield strength of 310/mm and a safety factor of 2)
d1 inch 2.312	c inch. 0.086 mm 2.18	
	Toll. c inch. +0,005 mm +0,130	
RING IN THE UNSTRESSED STATE		
d3 inch. 2.174 mm 55.22		
Toll. d3 inch. -0,046 mm -1,17		
b inch. 0.187 mm 4.75		
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 13.76		

Technical informations are indicative and can be updated.

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