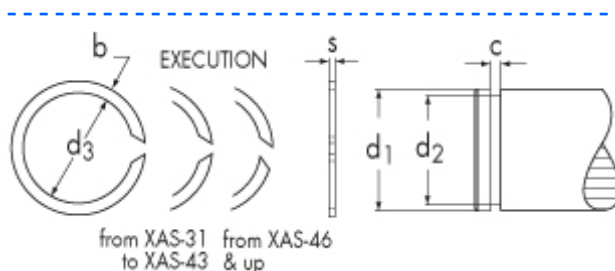


SMALLEY® SPIRAL RETAINING RINGS

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-50	34,00	+ 20%	-	1000

DESCRIPTION	GROOVE	THRUST CAPACITY
XAS-50	d2	ring shear
d1 mm 12.70	inch. 0.474	Newtons 9.223
d1 inch 0.500	mm 12.04	L.B.S. 2,073
	Toll. d2	(safety factor =3)
	inch. +/-0,002	
	mm +/-0,05	
	c	groove yield
	inch. 0.039	Newtons 2.044
	mm 0.99	L.B.S. 459
	Toll. c	(based on a groove material yield strength of 310/mm and a safety factor of 2)
	inch. +0,003	
	mm +0,080	
RING IN THE UNSTRESSED STATE		
d3	inch. 0.464	
	mm 11.79	
Toll. d3	inch. -0,025	
	mm -0,64	
b	inch. 0.048	
	mm 1.22	
Toll. b	inch. +/-0,003	
	mm +/-0,08	
s	inch. 0.035	
	mm 0.89	
Toll. s	inch. +/-0,002	
	mm +/-0,05	
Weight Kg/1000	0.34	

Technical informations are indicative and can be updated.

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