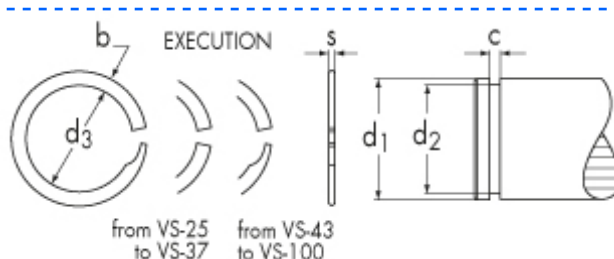


SMALLEY® SPIRAL RETAINING RINGS
SAE 1070-90 Carbon Steel

surface treatment:
Oil dipped
Example of designation: VS-25

Light duty series
VS - for shafts
(in inches)

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

description	Price Euro x100	% Price Change		Package
		1	2	
VS-331	67,00	+ 20%	-	50

DESCRIPTION	
VS-331	
d1 mm	84.12
d1 inch	3.312

RING IN THE UNSTRESSED STATE	
d3	inch. 3.186 mm 80.92
Toll. d3	inch. -0,03 mm -0,76
b	inch. 0.188 mm 4.78
Toll. b	inch. +/-0,005 mm +/-0,13
s	inch. 0.039 mm 0.99
Toll. s	inch. +/-0,002 mm +/-0,05
Weight Kg/1000	9.48

GROOVE	
d2	inch. 3.220 mm 81.79
Toll. d2	inch. +/-0,006 mm +/-0,15
c	inch. 0.044 mm 1.12
Toll. c	inch. +0,003 mm +0,080

THRUST CAPACITY	
ring shear	Newtons 75.794 L.B.S. 17,040 (safety factor =3)
groove yield	Newtons 47.905 L.B.S. 10,770 (based on a groove material yield strength of 310/mm and a safety factor of 2)

Technical informations are indicative and can be updated.

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