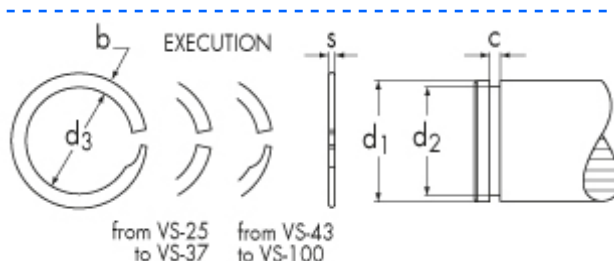


SMALLEY® SPIRAL RETAINING RINGS
SAE 1070-90 Carbon Steel

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-31	12,80	+ 20%	-	1000

DESCRIPTION	GROOVE	THRUST CAPACITY
VS-31	d2 inch. 0.297 mm 7.54	ring shear Newtons 3.336 L.B.S. 750
d1 mm 7.92	Toll. d2 inch. +/-0,002 mm +/-0,05	(safety factor =3)
d1 inch 0.312	c inch. 0.018 mm 0.46	groove yield Newtons 734 L.B.S. 165
	Toll. c inch. +0,002 mm +0,050	(based on a groove material yield strength of 310/mm and a safety factor of 2)
RING IN THE UNSTRESSED STATE		
d3 inch. 0.294 mm 7.47		
Toll. d3 inch. -0,01 mm -0,25		
b inch. 0.025 mm 0.64		
Toll. b inch. +/-0,004 mm +/-0,10		
s inch. 0.015 mm 0.38		
Toll. s inch. +/-0,0015 mm +/-0,04		
Weight Kg/1000 0.05		

Technical informations are indicative and can be updated.

Copyright Gandini Fasteners S.r.l. All rights reserved. No part of this web site may be reproduced in any form without express permission.

GANDINI FASTENERS SRL viale Pier Paolo Pasolini, 83 - 20099 Sesto S.Giovanni Milano Italy
Tel. +39 02 241 047 250 Fax +39 02 241 047 74

Production and distribution
of fasteners, fixing elements
and mechanical parts
machining

GANDINI FASTENERS SRL
viale Pier Paolo Pasolini, 83
Sesto San Giovanni Mi - Italy

Sales department
250@gandini.it
tel +39 02 241 047 250

Administration
350@gandini.it
tel +39 02 241 047 350