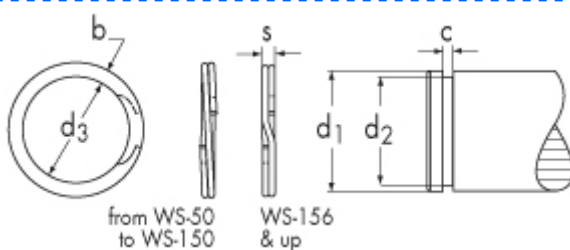


SMALLEY® SPIRAL RETAINING RINGS

SAE 1060-75 Carbon Steel

surface treatment:
Oil dipped

Example of designation: WS-50



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

Medium duty series
WS - for shafts
(in inches)



description	Price Euro x100	% Price Change	Package
WS-140	31,00	1 + 20%	2 -
			250

DESCRIPTION	GROOVE	THRUST CAPACITY
WS-140	d2 inch. 1.354 mm 34.39	ring shear Newtons 38.876 L.B.S. 8,740
d1 mm 35.71	Toll. d2 inch. +/-0,004 mm +/-0,1	(safety factor =3)
d1 inch 1.406	c inch. 0.048 mm 1.22	groove yield Newtons 11.476 L.B.S. 2,580
	Toll. c inch. +0,004 mm +0,100	(based on a groove material yield strength of 310/mm and a safety factor of 2)
RING IN THE UNSTRESSED STATE		
d3 inch. 1.340 mm 34.04		
Toll. d3 inch. -0,015 mm -0,38		
b inch. 0.095 mm 2.41		
Toll. b inch. +0,003/-0,005 mm +0,08/-0,13		
s inch. 0.043 mm 1.09		
Toll. s inch. +/-0,002 mm +/-0,05		
Weight Kg/1000 2.09		

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