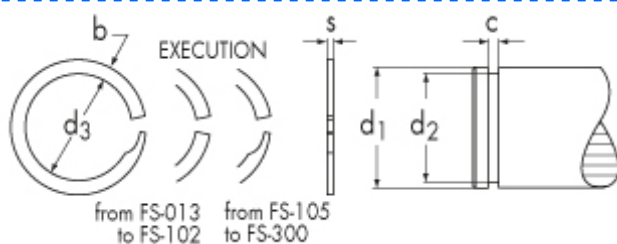


SMALLEY® SPIRAL RETAINING RINGS
SAE 1060-75 Carbon Steel

surface treatment:
Oil dipped

Example of designation: FS-013


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

Heavy duty series
FS - for shafts for groove DIN 471



description	Price Euro x100	% Price Change		Package
FS-048	100,00	1 + 20%	2 -	250

DESCRIPTION	GROOVE	THRUST CAPACITY
FS-048	d2	ring shear Newtons 66.741 (safety factor =3)
d1 mm 48.00	mm 45.50	
	Toll. d2	groove yield Newtons 29.118 (based on a groove material yield strength of 310/mm and a safety factor of 2)
	mm -0,250	
	c	
	mm 1.85	
	Toll. c	
	mm +0,140	
RING IN THE UNSTRESSED STATE		
d3		
mm 44.89		
Toll. d3		
mm -0,51		
b		
mm 4.01		
Toll. b		
mm +/-0.10		
s		
mm 1.69		
Toll. s		
mm +/-0,05		
Weight Kg/1000		
7.73		

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