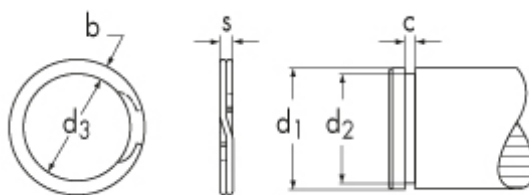


SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90
Carbon Steel

surface treatment:
Oil dipped

Example of designation: DNS-13



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

Medium-heavy
duty series
**DNS - for shafts
for groove DIN
471**



description	Price Euro x100	% Price Change		Package
DNS-13	19,20	1 + 20%	2 -	1000

DESCRIPTION	GROOVE	THRUST CAPACITY
DNS-13	d2	ring shear Newtons 13.474 (safety factor =3)
d1 mm 13.00	mm 12.40	
	Toll. d2	groove yield Newtons 1.901 (based on a groove material yield strength of 310/mm and a safety factor of 2)
	mm +/-0,11	
	c	
	mm 1.10	
	Toll. c	
	mm +0,140	
RING IN THE UNSTRESSED STATE		
d3		
mm 12.27		
Toll. d3		
mm -0,33		
b		
mm 1.40		
Toll. b		
mm +/-0,10		
s		
mm 0.99		
Toll. s		
mm +/-0,05		
Weight Kg/1000		
0.47		

Technical informations are indicative and can be updated.

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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