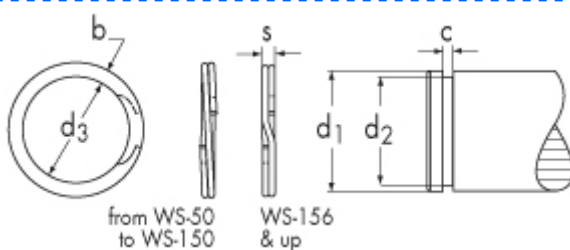


SMALLEY® SPIRAL RETAINING RINGS
SAE 1060-75 Carbon Steel

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-90	25,00	+ 20%	500

DESCRIPTION	GROOVE	THRUST CAPACITY
WS-90	d2 inch. 0.869 mm 22.07	ring shear Newtons 18.059 L.B.S. 4,060
d1 mm 23.01	Toll. d2 inch. +/-0,003 mm +/-0,08	(safety factor =3)
d1 inch 0.906	c inch. 0.036 mm 0.91	groove yield Newtons 5.427 L.B.S. 1,220
RING IN THE UNSTRESSED STATE	Toll. c inch. +0,003 mm +0,080	(based on a groove material yield strength of 310/mm and a safety factor of 2)
d3 inch. 0.860 mm 21.84		
Toll. d3 inch. -0,013 mm -0,33		
b inch. 0.065 mm 1.65		
Toll. b inch. +0,003/-0,005 mm +0,08/-0,13		
s inch. 0.031 mm 0.79		
Toll. s inch. +/-0,002 mm +/-0,05		
Weight Kg/1000 0.68		

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