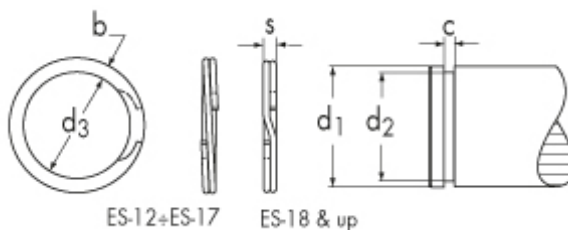


SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90
Carbon Steel

surface treatment:
Oil dipped

Example of designation: ES-6



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

Medium duty
series
ES - for shafts



description	Price Euro x100	% Price Change		Package
		1	2	
ES-54	70,00	+ 20%	-	100

DESCRIPTION	GROOVE	THRUST CAPACITY
ES-54	d2	ring shear Newtons 61.370 (safety factor =3)
d1 mm 54.00	mm 52.15	
	Toll. d2	groove yield Newtons 24.460 (based on a groove material yield strength of 310/mm and a safety factor of 2)
	mm +/-0,150	
	c	
	mm 1.42	
	Toll. c	
	mm +0,100	
RING IN THE UNSTRESSED STATE		
d3		
mm 51.62		
Toll. d3		
mm -0,63		
b		
mm 3.25		
Toll. b		
mm +.08/-0,13		
s		
mm 1.25		
Toll. s		
mm +/-0,08		
Weight Kg/1000		
4.96		

Technical informations are indicative and can be updated.

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