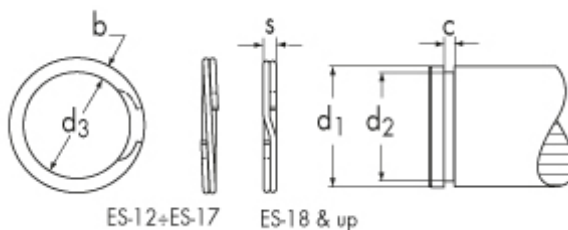


SMALLEY® SPIRAL RETAINING RINGS

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-21	55,00	+ 20%	-	500

DESCRIPTION	GROOVE	THRUST CAPACITY
ES-21	d2	ring shear Newtons 23.510 (safety factor =3)
d1 mm 21.00	mm 19.72	
	Toll. d2	groove yield Newtons 6.550 (based on a groove material yield strength of 310/mm and a safety factor of 2)
	mm +/-0,075	
RING IN THE UNSTRESSED STATE	c	
d3	mm 1.20	
mm 19.57	Toll. c	
Toll. d3	mm +0,080	
mm -0,33		
b		
mm 1.65		
Toll. b		
mm +.08/-0,13		
s		
mm 1.07		
Toll. s		
mm +/-0,05		
Weight Kg/1000		
0.86		

Technical informations are indicative and can be updated.

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