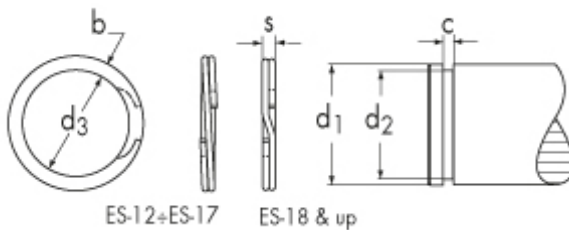


SMALLEY® SPIRAL RETAINING RINGS

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-31	57,00	+ 20%	-	500

DESCRIPTION	GROOVE	THRUST CAPACITY
ES-31	d2	ring shear Newtons 35.790 (safety factor =3)
d1 mm 31.00	Toll. d2 mm +/-0,100	groove yield Newtons 13.890 (based on a groove material yield strength of 310/mm and a safety factor of 2)
RING IN THE UNSTRESSED STATE	c	
d3 mm 28.84	Toll. c mm +/-0,100	
Toll. d3 mm -0,33		
b mm 2.64		
Toll. b mm +.05/-0,15		
s mm 1.27		
Toll. s mm +/-0,05		
Weight Kg/1000 2.47		

Technical informations are indicative and can be updated.

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