

RETAINING RINGS

Material: Spring steel

Hardness:

$d_1 = 16 \div 48 \text{ mm}$: 470÷580 HV 47÷54 HRC

Hardness:

$d_1 = 50 \div 100 \text{ mm}$: 435÷530 HV 44÷51 HRC

SURFACE FINISHES

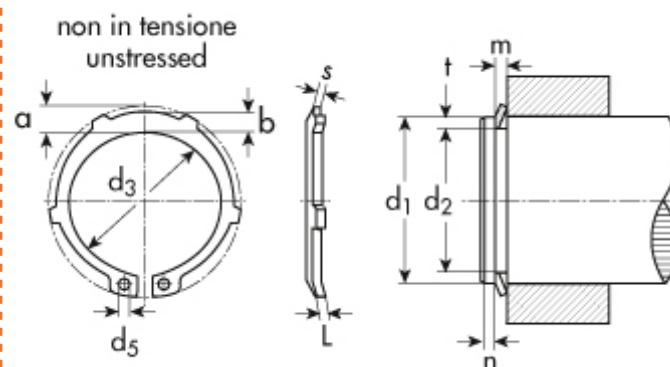
Phosphated and oiled

Blackened and oiled

Manufacturer's choice

Example of designation:

ring type **AL 30**



type **AL** for shafts



d_1 =shaft diameter
 d_2 =groove diameter
 d_3 =ring diameter in the unstressed state
 s =thickness

d1	Description	Price euro /100	% Price Change	Package
23.00	AL 23	4,00	1 NET	500

RING	GROOVE	SUPPLEMENTARY DATA
d_1 23.00	d_2 22.0	n 1.5
s 1.20	tole d_2 -0.15	FN (kN) 5.90
d_3 21.5	m 1.30	FR (kN) 16.60
tole d_3 +0.13 -0.42		g 1.5
a max 4.1		FRg (kN) 3.80
b ~ 2.9		FL max (kN) 0.65
d_5 min 2.0		L min 0.35
weight kg/1000 1.840		u 0.05
		C (kN/mm) 2.1700
		plier ZGA 1-2

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