

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

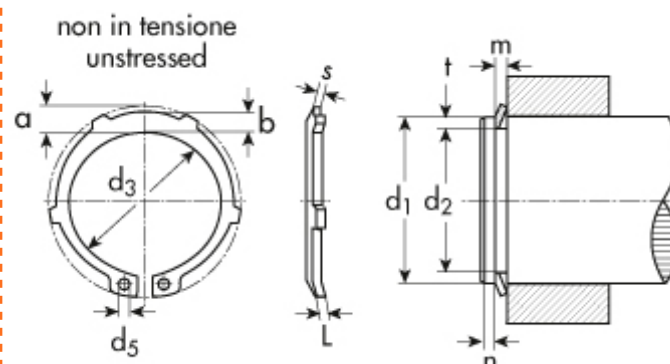
Phosphated and oiled

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
22.00	AL 22	3,00	1 NET	500

RING	GROOVE	SUPPLEMENTARY DATA
d_1 22.00	d_2 21.0	n 1.5
s 1.20	tole d_2 -0.15	FN (kN) 5.65
d_3 20.5	m 1.30	FR (kN) 16.90
tole d_3 +0.13 -0.42		g 1.5
a max 4.0		FRg (kN) 3.80
b ~ 2.8		FL max (kN) 0.68
d_5 min 2.0		L min 0.35
weight kg/1000 1.770		u 0.05
		C (kN/mm) 2.2700
		plier ZGA 1-2

Technical informations are indicative and can be updated.

Copyright Gandini Fasteners S.r.l. All rights reserved. No part of this web site may be reproduced in any form without express permission.

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