

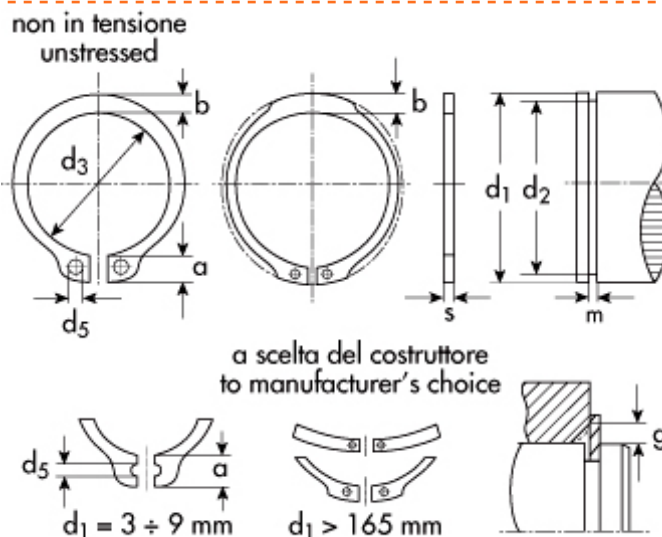
## RETAINING RINGS

**Material:** Spring steel

**Hardness:**

**SURFACE FINISHES**  
**Phosphated and oiled**  
**Blackened and oiled**  
 Manufacturer's choice

**Example of designation:**  
 ring type **A 25**



DIN 471  
 UNI 3653-7435  
 Type **A** - for  
 shafts



**d<sub>1</sub>**=shaft diameter  
**d<sub>2</sub>**=groove diameter  
**d<sub>3</sub>**=ring diameter in the unstressed state  
**s**=thickness

\* **AA**= two holes execution

| d1    | Description | Price<br>euro /100 | % Price Change |   | Package |
|-------|-------------|--------------------|----------------|---|---------|
|       |             |                    | 1              | 2 |         |
| 48.00 | A 48        | 27,00              | -              | - | 100     |

| RING           |             | GROOVE  |       | SUPPLEMENTARY DATA                 |         |
|----------------|-------------|---------|-------|------------------------------------|---------|
| d1             | 48.00       | d2      | 45.5  | n                                  | 3.8     |
| s              | 1.75        | tole d2 | -0.25 | FN (kN)                            | 30.7    |
| tole s         | -0.06       | m       | 1.85  | FR (kN)                            | 49.40   |
| d3             | 44.5        | t       | 1.25  | g                                  | 2.0     |
| tole d3        | +0.39 -0.90 |         |       | FRg (kN)                           | 9.55    |
| a max          | 6.9         |         |       | AN (mm2)                           | 184.0   |
| b ~            | 5.0         |         |       | K (kN.mm)                          | 90.00   |
| d5 min         | 2.5         |         |       | n <sub>abl</sub> .x1000 (giri/min) | 10.0    |
| weight kg/1000 | 7.900       |         |       | plier                              | ZGA 2-3 |

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