

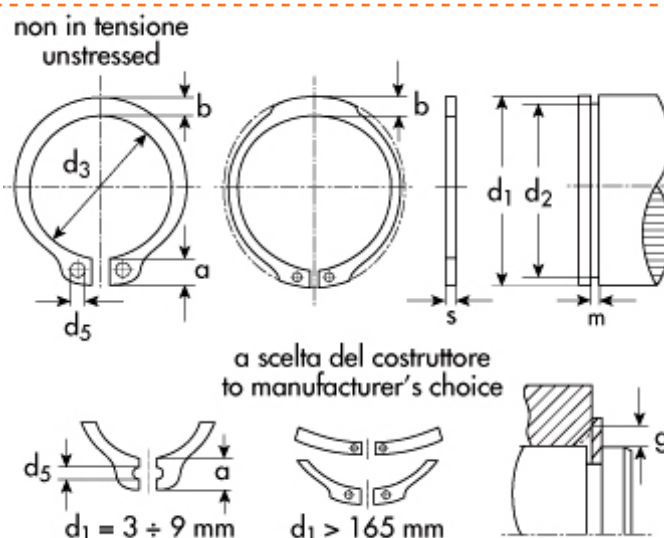
## RETAINING RINGS

**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 |         |
| 12.00 | A 12        | 2,00               | -              | - | 1000    |

| RING                |             | GROOVE              |       | SUPPLEMENTARY DATA                 |       |
|---------------------|-------------|---------------------|-------|------------------------------------|-------|
| d <sub>1</sub>      | 12.00       | d <sub>2</sub>      | 11.5  | n                                  | 0.8   |
| s                   | 1.00        | tole d <sub>2</sub> | -0.11 | FN (kN)                            | 1.5   |
| tole s              | -0.06       | m                   | 1.10  | FR (kN)                            | 5.00  |
| d <sub>3</sub>      | 11.0        | t                   | 0.25  | g                                  | 1.0   |
| tole d <sub>3</sub> | +0.10 -0.36 |                     |       | FRg (kN)                           | 2.40  |
| a max               | 3.3         |                     |       | AN (mm <sup>2</sup> )              | 9.2   |
| b ~                 | 1.8         |                     |       | K (kN.mm)                          | 24.00 |
| d <sub>5</sub> min  | 1.7         |                     |       | n <sub>abl</sub> .x1000 (giri/min) | 75.0  |
| weight kg/1000      | 0.500       |                     |       | plier                              | ZGA 1 |

Technical informations are indicative and can be updated.

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