

## RETAINING RINGS

**Material:** Spring steel

**Hardness:**

d<sub>1</sub>= 16÷48mm: 470÷580 HV 47÷54 HRC

**Hardness:**

d<sub>1</sub>= 50÷100mm: 435÷530 HV 44÷51 HRC

**SURFACE FINISHES**

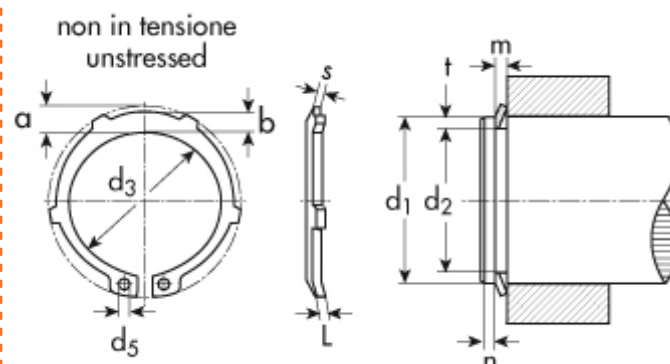
**Phosphated and oiled**

**Blackened and oiled**

Manufacturer's choice

**Example of designation:**

ring type **AL 30**



type **AL** for shafts



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

| d1    | Description | Price<br>euro /100 | % Price Change |   | Package |
|-------|-------------|--------------------|----------------|---|---------|
|       |             |                    | 1              | 2 |         |
| 62.00 | AL 62       | 200,00             | -              | - | 100     |

| RING                |             | GROOVE              |       | SUPPLEMENTARY DATA |        |
|---------------------|-------------|---------------------|-------|--------------------|--------|
| d <sub>1</sub>      | 62.00       | d <sub>2</sub>      | 59.0  | n                  | 4.5    |
| s                   | 2.00        | tole d <sub>2</sub> | -0.30 | FN (kN)            | 47.50  |
| d <sub>3</sub>      | 57.8        | m                   | 2.15  | FR (kN)            | 69.30  |
| tole d <sub>3</sub> | +0.46 -1.10 |                     |       | g                  | 2.5    |
| a max               | 8.2         |                     |       | FRg (kN)           | 11.40  |
| b ~                 | 5.9         |                     |       | FL max (kN)        | 1.28   |
| d <sub>5</sub> min  | 2.5         |                     |       | L min              | 0.80   |
| weight kg/1000      | 15.900      |                     |       | u                  | 0.15   |
|                     |             |                     |       | C (kN/mm)          | 1.9700 |
|                     |             |                     |       | plier              | ZGA 3  |

Technical informations are indicative and can be updated.

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