

## RETAINING RINGS

**Material:** Spring steel

**Hardness:**

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

**Example of designation:**  
 ring type J 30



DIN 472  
 UNI 3654-7437  
 Type J - for  
 bores



**d<sub>1</sub>**=bore 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 |
|-------|-------------|--------------------|----------------|---------|
| 82.00 | J 82        | 55,00              | -              | 50      |

| RING                |             | GROOVE              |      | SUPPLEMENTARY DATA    |       |
|---------------------|-------------|---------------------|------|-----------------------|-------|
| d <sub>1</sub>      | 82.00       | d <sub>2</sub>      | 85.5 | n                     | 5.3   |
| s                   | 2.50        | tole d <sub>2</sub> | 0.35 | FN (kN)               | 76.60 |
| tole s              | -0.07       | m                   | 2.65 | FR (kN)               | 119.0 |
| d <sub>3</sub>      | 87.5        | t                   | 1.75 | g                     | 2.5   |
| tole d <sub>3</sub> | +1.30 -0.54 |                     |      | FRg (kN)              | 21.4  |
| a max               | 8.5         |                     |      | AN (mm <sup>2</sup> ) | 460.0 |
| b ~                 | 7.0         |                     |      | K (kN.mm)             | 214.0 |
| d <sub>5</sub> min  | 3.0         |                     |      | plier                 | ZGJ 3 |
| weight kg/1000      | 24.000      |                     |      |                       |       |

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