

## RETAINING RINGS

**Material:** Spring steel

**Hardness:**

d1: 10÷48mm 470÷580 HV 47÷54 HRC

**Hardness:**

d1: 50÷100mm 435÷530 HV 44÷51 HRC

**SURFACE FINISHES**

**Phosphated and oiled**

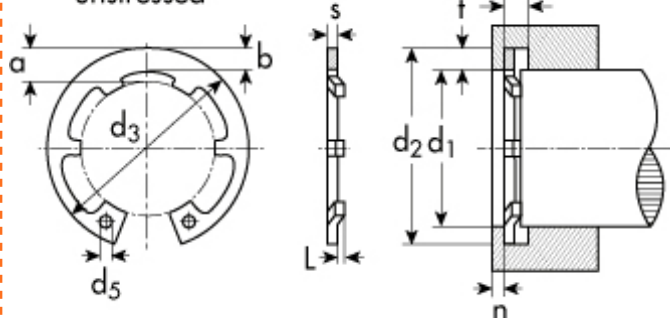
**Blackened and oiled**

Manufacturer's choice

**Example of designation:**

ring type JL 30

non in tensione  
unstressed



type JL - 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 |
|-------|-------------|--------------------|----------------|---|---------|
|       |             |                    | 1              | 2 |         |
| 20.00 | JL 20       | 3,00               | NET            | - | 1000    |

| RING                |             | GROOVE              |      | SUPPLEMENTARY DATA |         |
|---------------------|-------------|---------------------|------|--------------------|---------|
| d <sub>1</sub>      | 20.00       | d <sub>2</sub>      | 21.0 | n                  | 1.5     |
| s                   | 1.00        | tole d <sub>2</sub> | 0.15 | FN (kN)            | 5.4     |
| d <sub>3</sub>      | 21.5        | m                   | 1.10 | FR (kN)            | 7.80    |
| tole d <sub>3</sub> | +0.42 -0.13 |                     |      | g                  | 1.0     |
| a max               | 3.9         |                     |      | FRg (kN)           | 2.50    |
| b ~                 | 2.4         |                     |      | FL max (kN)        | 0.31    |
| d <sub>5</sub> min  | 2.0         |                     |      | L min              | 0.25    |
|                     |             |                     |      | u                  | 0.05    |
|                     |             |                     |      | C (kN/mm)          | 1.5500  |
|                     |             |                     |      | plier              | ZGJ 1-2 |

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