

## RETAINING RINGS

**Material:**  
Spring steel

**Hardness:**  
minimun 40 HRC

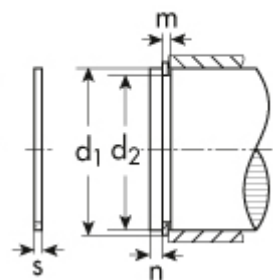
**SURFACE FINISHES**  
**Phosphated and oiled**  
**Blackened and oiled**  
Manufacturer's choice

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

non in tensione  
unstressed

$d_1 \leq 38 \text{ mm}$

$d_1 \geq 40 \text{ mm}$



DIN 9927  
circlips type  
**SW** - for shafts



$d_1$ =shaft diameter  
 $d_2$ =groove diameter  
 $d_3$ =inner diameter in the unstressed state  
 $s$ =thickness

| d1    | Description | Price<br>euro /100 | % Price Change | Package |
|-------|-------------|--------------------|----------------|---------|
| 90.00 | SW 90       | 55,00              | -              | 50      |

| RING           |        | GROOVE     |       | SUPPLEMENTARY DATA               |       |
|----------------|--------|------------|-------|----------------------------------|-------|
| $d_1$          | 90.00  | $d_2$      | 88.0  | FN (kN)                          | 46.50 |
| s              | 2.5    | tole $d_2$ | -0.22 | FR (kN)                          | 66.30 |
| $d_3$          | 87.0   | m          | 2.7   | $n_{abl} \cdot x1000$ (giri/min) | 2.000 |
| b ~            | 3.40   |            |       |                                  |       |
| weight kg/1000 | 16.000 |            |       |                                  |       |

Technical informations are indicative and can be updated.

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