

## RETAINING RINGS

**Material:**  
Spring steel

**Hardness:**  
minimun 40 HRC

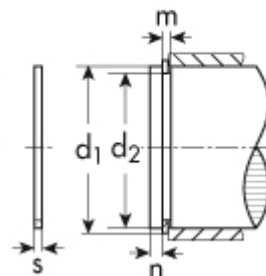
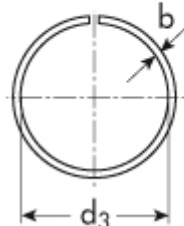
**SURFACE FINISHES**  
**Phosphated and oiled**  
**Blackened and oiled**  
Manufacturer's choice

**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<br>1 | 2 | Package |
|--------|-------------|--------------------|---------------------|---|---------|
| 145.00 | SW 145      | 30,00              | NET                 | - | 50      |

| RING           |        | GROOVE     |       | SUPPLEMENTARY DATA               |       |
|----------------|--------|------------|-------|----------------------------------|-------|
| $d_1$          | 145.00 | $d_2$      | 142.4 | FN (kN)                          | 95.00 |
| s              | 2.5    | tole $d_2$ | -0.25 | FR (kN)                          | 39.60 |
| $d_3$          | 141.0  | m          | 2.7   | $n_{abl} \cdot x1000$ (giri/min) | 1.000 |
| b ~            | 4.00   |            |       |                                  |       |
| weight kg/1000 | 32.600 |            |       |                                  |       |

Technical informations are indicative and can be updated.

Copyright Gandini Fasteners S.r.l. All rights reserved. No part of this web site may be reproduced in any form without express permission.

**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