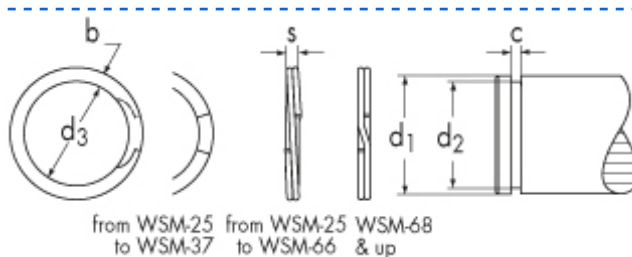


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

surface treatment:  
**Oil dipped**
**Example of designation: WSM-25**

**d1**=shaft diameter  
**d2**=groove diameter  
**d3**=internal ring diameter  
**S**=thickness

Heavy duty  
series  
**WSM - for shafts**  
(in inches)


| description    | Price<br>Euro x100 | % Price Change |   | Package |
|----------------|--------------------|----------------|---|---------|
|                |                    | 1              | 2 |         |
| <b>WSM-334</b> | <b>270,00</b>      | + 20%          | - | 50      |

| DESCRIPTION                                          | GROOVE                                       | THRUST CAPACITY                                                                      |
|------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------|
| WSM-334                                              | <b>d2</b> inch. 3.166<br>mm 80.42            | <b>ring shear</b> Newtons 173.828<br>L.B.S. 39,080                                   |
| <b>d1 mm</b> 84.94                                   | <b>Toll. d2</b> inch. +/-0,006<br>mm +/-0,15 | (safety factor =3)                                                                   |
| <b>d1 inch</b> 3.344                                 | <b>c</b> inch. 0.103<br>mm 2.62              | <b>groove yield</b> Newtons 93.586<br>L.B.S. 21,040                                  |
| <b>RING IN THE UNSTRESSED STATE</b>                  | <b>Toll. c</b> inch. +0,005<br>mm +0,130     | (based on a groove material yield<br>strength of 310/mm and a safety factor<br>of 2) |
| <b>d3</b> inch. 3.144<br>mm 79.86                    |                                              |                                                                                      |
| <b>Toll. d3</b> inch. -0,03<br>mm -0,76              |                                              |                                                                                      |
| <b>b</b> inch. 0.225<br>mm 5.72                      |                                              |                                                                                      |
| <b>Toll. b</b> inch. +0,004/-0,006<br>mm +0,10/-0,15 |                                              |                                                                                      |
| <b>s</b> inch. 0.093<br>mm 2.36                      |                                              |                                                                                      |
| <b>Toll. s</b> inch. +/-0,003<br>mm +/-0,08          |                                              |                                                                                      |
| <b>Weight Kg/1000</b> 26.85                          |                                              |                                                                                      |

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