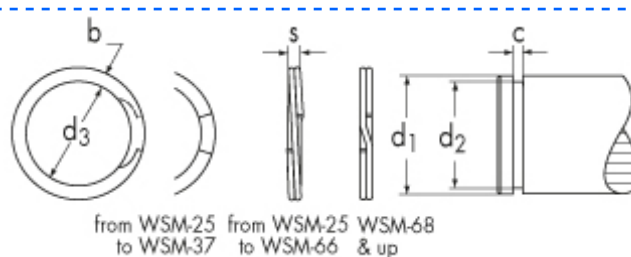


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

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-168</b> | <b>62,00</b>       | + 20%          | - | 250     |

| DESCRIPTION                                        | GROOVE                                       | THRUST CAPACITY                                                                      |
|----------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------|
| WSM-168                                            | <b>d2</b> inch. 1.589<br>mm 40.36            | <b>ring shear</b> Newtons 61.382<br>L.B.S. 13,800                                    |
| <b>d1 mm</b> 42.85                                 | <b>Toll. d2</b> inch. +/-0,005<br>mm +/-0,13 | (safety factor =3)                                                                   |
| <b>d1 inch</b> 1.687                               | <b>c</b> inch. 0.068<br>mm 1.73              | <b>groove yield</b> Newtons 25.976<br>L.B.S. 5,840                                   |
| <b>RING IN THE UNSTRESSED STATE</b>                | <b>Toll. c</b> inch. +0,004<br>mm +0,100     | (based on a groove material yield<br>strength of 310/mm and a safety factor<br>of 2) |
| <b>d3</b> inch. 1.573<br>mm 39.95                  |                                              |                                                                                      |
| <b>Toll. d3</b> inch. -0,02<br>mm -0,51            |                                              |                                                                                      |
| <b>b</b> inch. 0.128<br>mm 3.25                    |                                              |                                                                                      |
| <b>Toll. b</b> inch. +0,003/-0,005<br>mm +008/-013 |                                              |                                                                                      |
| <b>s</b> inch. 0.062<br>mm 1.57                    |                                              |                                                                                      |
| <b>Toll. s</b> inch. +/-0,003<br>mm +/-0,08        |                                              |                                                                                      |
| <b>Weight Kg/1000</b> 5.08                         |                                              |                                                                                      |

Technical informations are indicative and can be updated.

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