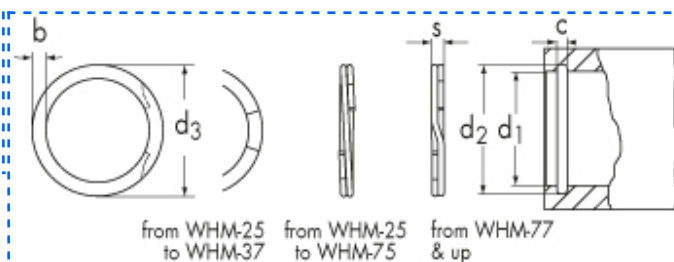


## SMALLEY® SPIRAL RETAINING RINGS

### SAE 1070-90 Carbon Steel

surface treatment:  
**Oil dipped**

**Example of designation: WHM-25**



Heavy duty  
series  
**WHM - for bores  
(in inches)**



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

| description | Price<br>Euro x100 | % Price Change | Package |
|-------------|--------------------|----------------|---------|
|             |                    | 1              | 2       |
| WHM-51      | 17.20              | + 20%          | -       |
|             |                    |                | 1000    |

| DESCRIPTION                                          | GROOVE                                       | THRUST CAPACITY                                                                |
|------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
| WHM-51                                               |                                              |                                                                                |
| <b>d1 mm</b> 13.00                                   | <b>d2</b> inch. 0.542<br>mm 13.77            | <b>ring shear</b> Newtons 11.520<br>L.B.S. 2,590                               |
| <b>d1 inch</b> 0.512                                 | <b>Toll. d2</b> inch. +/-0,002<br>mm +/-0,05 | (safety factor =3)                                                             |
|                                                      | <b>c</b> inch. 0.039<br>mm 0.99              | <b>groove yield</b> Newtons 2.402<br>L.B.S. 540                                |
|                                                      | <b>Toll. c</b> inch. +0,003<br>mm +0,080     | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| RING IN THE UNSTRESSED STATE                         |                                              |                                                                                |
| <b>d3</b> inch. 0.550<br>mm 13.97                    |                                              |                                                                                |
| <b>Toll. d3</b> inch. +0,013<br>mm +0,33             |                                              |                                                                                |
| <b>b</b> inch. 0.045<br>mm 1.14                      |                                              |                                                                                |
| <b>Toll. b</b> inch. +0,003/-0,005<br>mm +0,08/-0,13 |                                              |                                                                                |
| <b>s</b> inch. 0.035<br>mm 0.89                      |                                              |                                                                                |
| <b>Toll. s</b> inch. +/-0,002<br>mm +/-0,05          |                                              |                                                                                |
| <b>Weight Kg/1000</b> 0.41                           |                                              |                                                                                |

Technical informations are indicative and can be updated.

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