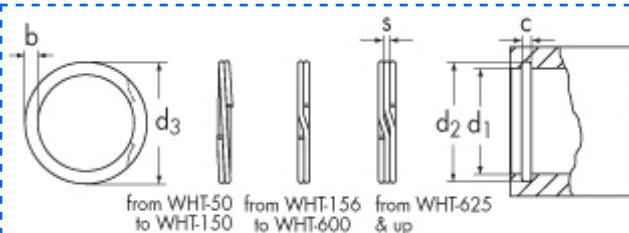


# SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90 Carbon Steel

surface treatment:  
Oil dipped

Example of designation: WHT-50



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

Medium-heavy  
duty series  
WHT - for bores  
(in inches)



| description | Price<br>Euro x100 | % Price Change | Package |
|-------------|--------------------|----------------|---------|
| WHT-212     | 101,00             | + 20%          | 100     |

| DESCRIPTION                  | GROOVE         | THRUST CAPACITY                                                                |
|------------------------------|----------------|--------------------------------------------------------------------------------|
| WHT-212                      | d2             | ring shear                                                                     |
| d1 mm 53.98                  | inch. 2.240    | Newtons 97.278                                                                 |
| d1 inch 2.125                | mm 56.90       | L.B.S. 21,870                                                                  |
|                              | Toll. d2       | (safety factor =3)                                                             |
|                              | inch. +/-0,006 |                                                                                |
|                              | mm +/-0,15     |                                                                                |
|                              | c              | groove yield                                                                   |
|                              | inch. 0.086    | Newtons 38.742                                                                 |
|                              | mm 2.18        | L.B.S. 8,710                                                                   |
|                              | Toll. c        | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
|                              | inch. +0,005   |                                                                                |
|                              | mm +0,130      |                                                                                |
| RING IN THE UNSTRESSED STATE |                |                                                                                |
| d3                           | inch. 2.255    |                                                                                |
|                              | mm 57.28       |                                                                                |
| Toll. d3                     | inch. +0,025   |                                                                                |
|                              | mm +0,64       |                                                                                |
| b                            | inch. 0.141    |                                                                                |
|                              | mm 3.58        |                                                                                |
| Toll. b                      | inch. +/-0,004 |                                                                                |
|                              | mm +/-0,1      |                                                                                |
| s                            | inch. 0.078    |                                                                                |
|                              | mm 1.98        |                                                                                |
| Toll. s                      | inch. +/-0,003 |                                                                                |
|                              | mm +/-0,08     |                                                                                |
| Weight Kg/1000               | 9.02           |                                                                                |

Technical informations are indicative and can be updated.

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