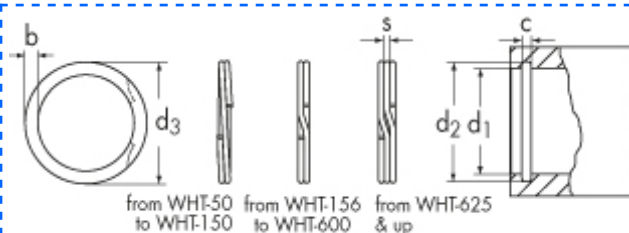


# SMALLEY® SPIRAL RETAINING RINGS

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-86      | 19,20              | + 20%          | 500     |

| DESCRIPTION                  | GROOVE         | THRUST CAPACITY                                                                |
|------------------------------|----------------|--------------------------------------------------------------------------------|
| WHT-86                       | d2             | ring shear                                                                     |
| d1 mm 22.00                  | inch. 0.912    | Newtons 23.396                                                                 |
| d1 inch 0.866                | mm 23.16       | L.B.S. 5,260                                                                   |
|                              | Toll. d2       | (safety factor =3)                                                             |
|                              | inch. +/-0,003 |                                                                                |
|                              | mm +/-0,08     |                                                                                |
|                              | c              | groove yield                                                                   |
|                              | inch. 0.046    | Newtons 6.272                                                                  |
|                              | mm 1.17        | L.B.S. 1,410                                                                   |
|                              | Toll. c        | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
|                              | inch. +0,003   |                                                                                |
|                              | mm +0,080      |                                                                                |
| RING IN THE UNSTRESSED STATE |                |                                                                                |
| d3                           | inch. 0.919    |                                                                                |
| mm 23.34                     |                |                                                                                |
| Toll. d3                     | inch. +0,013   |                                                                                |
| mm +0,33                     |                |                                                                                |
| b                            | inch. 0.065    |                                                                                |
| mm 1.65                      |                |                                                                                |
| Toll. b                      | inch. +/-0,004 |                                                                                |
| mm +/-0,1                    |                |                                                                                |
| s                            | inch. 0.042    |                                                                                |
| mm 1.07                      |                |                                                                                |
| Toll. s                      | inch. +/-0,002 |                                                                                |
| mm +/-0,05                   |                |                                                                                |
| Weight Kg/1000               | 0.90           |                                                                                |

Technical informations are indicative and can be updated.

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