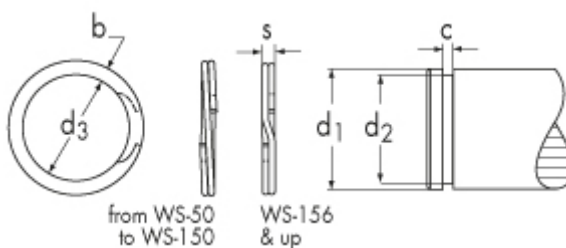


## SMALLEY® SPIRAL RETAINING RINGS

## SAE 1060-75 Carbon Steel

surface treatment:  
**Oil dipped**

**Example of designation: WS-50**



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

Medium duty  
series  
**WS - for shafts  
(in inches)**



| description   | Price<br>Euro x100 | % Price Change<br>1 | 2 | Package |
|---------------|--------------------|---------------------|---|---------|
| <b>WS-177</b> | <b>52,00</b>       | + 20%               | - | 250     |

| DESCRIPTION                                          | GROOVE                                       | THRUST CAPACITY                                                                |
|------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
| WS-177                                               | <b>d2</b> inch. 1.708<br>mm 43.38            | <b>ring shear</b> Newtons 50.930<br>L.B.S. 11,450                              |
| <b>d1 mm</b> 44.98                                   | <b>Toll. d2</b> inch. +/-0,005<br>mm +/-0,13 | (safety factor =3)                                                             |
| <b>d1 inch</b> 1.771                                 | <b>c</b> inch. 0.056<br>mm 1.42              | <b>groove yield</b> Newtons 17.836<br>L.B.S. 4,010                             |
| RING IN THE UNSTRESSED STATE                         | <b>Toll. c</b> inch. +0,004<br>mm +0,100     | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| <b>d3</b> inch. 1.690<br>mm 42.93                    |                                              |                                                                                |
| <b>Toll. d3</b> inch. -0,02<br>mm -0,51              |                                              |                                                                                |
| <b>b</b> inch. 0.118<br>mm 3.00                      |                                              |                                                                                |
| <b>Toll. b</b> inch. +0,003/-0,005<br>mm +0,08/-0,13 |                                              |                                                                                |
| <b>s</b> inch. 0.049<br>mm 1.24                      |                                              |                                                                                |
| <b>Toll. s</b> inch. +/-0,003<br>mm +/-0,08          |                                              |                                                                                |
| <b>Weight Kg/1000</b> 3.99                           |                                              |                                                                                |

Technical informations are indicative and can be updated.

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