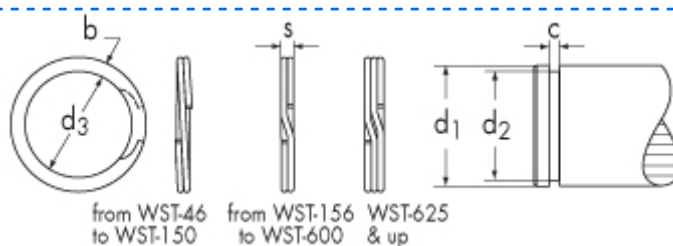


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

surface treatment:  
**Oil dipped**
**Example of designation: WST-46**

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

Medium-heavy  
duty series  
**WST - for shafts**  
  
(in inches)


| description   | Price<br>Euro x100 | % Price Change |   | Package |
|---------------|--------------------|----------------|---|---------|
|               |                    | 1              | 2 |         |
| <b>WST-68</b> | <b>20,00</b>       | + 20%          | - | 1000    |

| DESCRIPTION                         |                              | GROOVE          |                              | THRUST CAPACITY                                                                |                                |
|-------------------------------------|------------------------------|-----------------|------------------------------|--------------------------------------------------------------------------------|--------------------------------|
| WST-68                              |                              | <b>d2</b>       | inch. 0.655<br>mm 16.64      | <b>ring shear</b>                                                              | Newtons 18.593<br>L.B.S. 4,180 |
| <b>d1 mm</b>                        | 17.48                        | <b>Toll. d2</b> | inch. +/-0,003<br>mm +/-0,08 | (safety factor =3)                                                             |                                |
| <b>d1 inch</b>                      | 0.688                        | <b>c</b>        | inch. 0.046<br>mm 1.17       | <b>groove yield</b>                                                            | Newtons 3.692<br>L.B.S. 830    |
| <b>RING IN THE UNSTRESSED STATE</b> |                              | <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) |                                |
| <b>d3</b>                           | inch. 0.648<br>mm 16.46      |                 |                              |                                                                                |                                |
| <b>Toll. d3</b>                     | inch. -0,013<br>mm -0,33     |                 |                              |                                                                                |                                |
| <b>b</b>                            | inch. 0.065<br>mm 1.65       |                 |                              |                                                                                |                                |
| <b>Toll. b</b>                      | inch. +/-0,004<br>mm +/-0,10 |                 |                              |                                                                                |                                |
| <b>s</b>                            | inch. 0.042<br>mm 1.07       |                 |                              |                                                                                |                                |
| <b>Toll. s</b>                      | inch. +/-0,002<br>mm +/-0,05 |                 |                              |                                                                                |                                |
| <b>Weight Kg/1000</b>               | 0.68                         |                 |                              |                                                                                |                                |

Technical informations are indicative and can be updated.

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