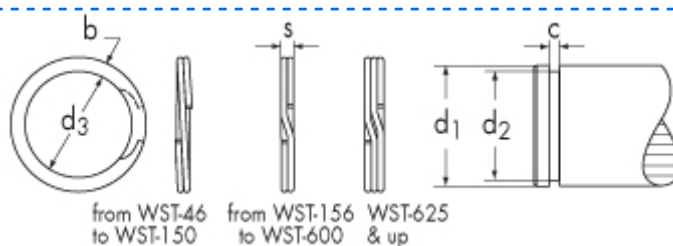


## SMALLEY® SPIRAL RETAINING RINGS

### 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-102</b> | <b>24,00</b>       | + 20%          | - | 500     |

| DESCRIPTION                                 | GROOVE                                       | THRUST CAPACITY                                                                |
|---------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
| WST-102                                     | <b>d2</b> inch. 0.977<br>mm 24.82            | <b>ring shear</b> Newtons 27.622<br>L.B.S. 6,210                               |
| <b>d1 mm</b> 25.98                          | <b>Toll. d2</b> inch. +/-0,003<br>mm +/-0,08 | (safety factor =3)                                                             |
| <b>d1 inch</b> 1.023                        | <b>c</b> inch. 0.046<br>mm 1.17              | <b>groove yield</b> Newtons 7.384<br>L.B.S. 1,660                              |
| <b>RING IN THE UNSTRESSED STATE</b>         |                                              | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| <b>d3</b> inch. 0.969<br>mm 24.61           | <b>Toll. c</b> inch. +0,003<br>mm +0,080     |                                                                                |
| <b>Toll. d3</b> inch. -0,013<br>mm -0,33    |                                              |                                                                                |
| <b>b</b> inch. 0.075<br>mm 1.91             |                                              |                                                                                |
| <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> 1.18                  |                                              |                                                                                |

Technical informations are indicative and can be updated.

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