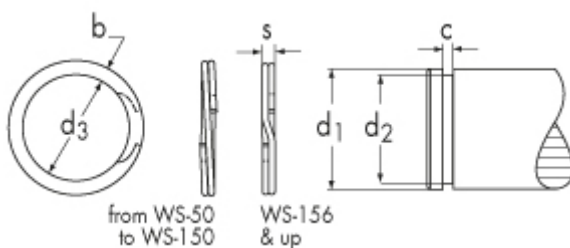


## SMALLEY® SPIRAL RETAINING RINGS

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 | Package     |
|--------------|--------------------|----------------|-------------|
| <b>WS-71</b> | <b>24,00</b>       | <b>+ 20%</b>   | <b>1000</b> |

| DESCRIPTION                         | GROOVE              | THRUST CAPACITY                                                                |
|-------------------------------------|---------------------|--------------------------------------------------------------------------------|
| WS-71                               | d2                  | ring shear                                                                     |
| d1 mm                               | inch. 0.687         | Newton's 12.810                                                                |
| d1 inch                             | mm 17.45            | L.B.S. 2,880                                                                   |
|                                     | Toll. d2            | (safety factor =3)                                                             |
|                                     | inch. +/-0,003      |                                                                                |
|                                     | mm +/-0,08          |                                                                                |
|                                     | c                   | groove yield                                                                   |
|                                     | inch. 0.030         | Newton's 3.603                                                                 |
|                                     | mm 0.76             | L.B.S. 810                                                                     |
|                                     | Toll. c             | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
|                                     | inch. +0,003        |                                                                                |
|                                     | mm +0,080           |                                                                                |
| <b>RING IN THE UNSTRESSED STATE</b> |                     |                                                                                |
| d3                                  | inch. 0.679         |                                                                                |
|                                     | mm 17.25            |                                                                                |
| Toll. d3                            | inch. -0,013        |                                                                                |
|                                     | mm -0,33            |                                                                                |
| b                                   | inch. 0.055         |                                                                                |
|                                     | mm 1.40             |                                                                                |
| Toll. b                             | inch. +0,003/-0,005 |                                                                                |
|                                     | mm +0,08/-0,13      |                                                                                |
| s                                   | inch. 0.025         |                                                                                |
|                                     | mm 0.64             |                                                                                |
| Toll. s                             | inch. +/-0,002      |                                                                                |
|                                     | mm +/-0,05          |                                                                                |
| Weight Kg/1000                      | 0.36                |                                                                                |

Technical informations are indicative and can be updated.

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