

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

surface treatment:  
**Oil dipped**
**Example of designation: XDS-50**

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

Light duty series  
**XDS - for shafts**  
(in inches)


| description   | Price<br>Euro x100 | % Price Change |   | Package |
|---------------|--------------------|----------------|---|---------|
|               |                    | 1              | 2 |         |
| <b>XDS-50</b> | <b>39,00</b>       | + 20%          | - | 1000    |

| DESCRIPTION                                 | GROOVE                                       | THRUST CAPACITY                                                                |
|---------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
| XDS-50                                      | <b>d2</b> inch. 0.474<br>mm 12.04            | <b>ring shear</b> Newtons 9.223<br>L.B.S. 2,073                                |
| <b>d1 mm</b> 12.70                          | <b>Toll. d2</b> inch. +/-0,002<br>mm +/-0,05 | (safety factor =3)                                                             |
| <b>d1 inch</b> 0.500                        | <b>c</b> inch. 0.039<br>mm 0.99              | <b>groove yield</b> Newtons 2.044<br>L.B.S. 459                                |
| <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. 0.465<br>mm 11.81           |                                              |                                                                                |
| <b>Toll. d3</b> inch. -0,025<br>mm -0,64    |                                              |                                                                                |
| <b>b</b> inch. 0.048<br>mm 1.22             |                                              |                                                                                |
| <b>Toll. b</b> inch. +/-0,003<br>mm +/-0,08 |                                              |                                                                                |
| <b>s</b> inch. 0.035<br>mm 0.89             |                                              |                                                                                |
| <b>Toll. s</b> inch. +/-0,002<br>mm +/-0,05 |                                              |                                                                                |
| <b>Weight Kg/1000</b> 0.34                  |                                              |                                                                                |

Technical informations are indicative and can be updated.

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