GANDINI

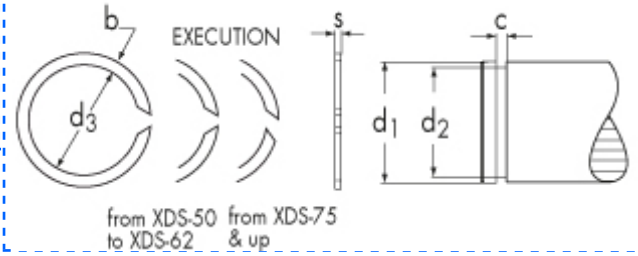
Thursday, April 16, 2026

# SMALLEY® SPIRAL RETAINING RINGS

**SAE 1070-90 Carbon Steel**

surface treatment:
**Oil dipped**

**Example of designation: XDS-50**




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

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

| description | Price Euro x100 | % Price Change 1 | % Price Change 2 | Package |
|---|---|---|---|---|
| **XDS-218** | **130,00** | + 20% | - | 100 |

| DESCRIPTION | |
|---|---|
| XDS-218 | |
| **d1 mm** | 55.55 |
| **d1 inch** | 2.187 |

| RING IN THE UNSTRESSED STATE | |
|---|---|
| **d3** | inch. 2.082<br>mm 52.88 |
| **Toll. d3** | inch. -0,062<br>mm -1,57 |
| **b** | inch. 0.156<br>mm 3.96 |
| **Toll. b** | inch. +/-0,005<br>mm +/-0,13 |
| **s** | inch. 0.042<br>mm 1.07 |
| **Toll. s** | inch. +/-0,002<br>mm +/-0,05 |
| **Weight Kg/1000** | 5.83 |

| GROOVE | |
|---|---|
| **d2** | inch. 2.107<br>mm 53.52 |
| **Toll. d2** | inch. +/-0,006<br>mm +/-0,15 |
| **c** | inch. 0.046<br>mm 1.17 |
| **Toll. c** | inch. +0,003<br>mm +0,080 |

| THRUST CAPACITY | |
|---|---|
| **ring shear** | Newtons 48.897<br>L.B.S. 10,993 |
| (safety factor =3) | |
| **groove yeld** | Newtons 27.505<br>L.B.S. 6,184 |
| (based on a groove material yeld strength of 310/mm and a safety factor of 2) | |

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