

## 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 |
|-------------|--------------------|----------------|---------|
| XDS-237     | 140,00             | + 20%          | 100     |

| DESCRIPTION                  | GROOVE         | THRUST CAPACITY                                                                |
|------------------------------|----------------|--------------------------------------------------------------------------------|
| XDS-237                      | d2             | ring shear                                                                     |
| d1 mm                        | inch. 2.295    | Newtons 53.100                                                                 |
| d1 inch                      | mm 58.29       | L.B.S. 11,938                                                                  |
|                              | Toll. d2       | (safety factor =3)                                                             |
|                              | inch. +/-0,006 |                                                                                |
|                              | mm +/-0,15     |                                                                                |
|                              | c              | groove yield                                                                   |
|                              | inch. 0.046    | Newtons 29.869                                                                 |
|                              | mm 1.17        | L.B.S. 6,715                                                                   |
|                              | Toll. c        | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
|                              | inch. +0,003   |                                                                                |
|                              | mm +0,080      |                                                                                |
| RING IN THE UNSTRESSED STATE |                |                                                                                |
| d3                           | inch. 2.270    |                                                                                |
|                              | mm 57.66       |                                                                                |
| Toll. d3                     | inch. -0,062   |                                                                                |
|                              | mm -1,57       |                                                                                |
| b                            | inch. 0.156    |                                                                                |
|                              | mm 3.96        |                                                                                |
| Toll. b                      | inch. +/-0,005 |                                                                                |
|                              | mm +/-0,13     |                                                                                |
| s                            | inch. 0.042    |                                                                                |
|                              | mm 1.07        |                                                                                |
| Toll. s                      | inch. +/-0,002 |                                                                                |
|                              | mm +/-0,05     |                                                                                |
| Weight Kg/1000               | 6.33           |                                                                                |

Technical informations are indicative and can be updated.

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