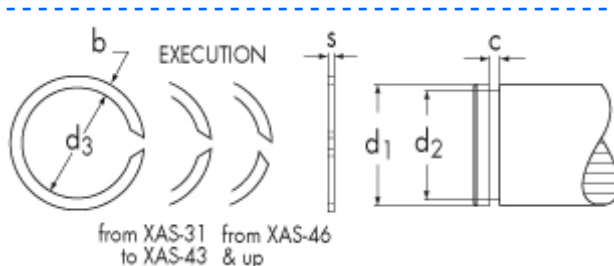


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

surface treatment:  
**Oil dipped**
**Example of designation: XAS 31**

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

Medium duty  
series  
**XAS - for shafts**  
(in inches)


| description    | Price<br>Euro x100 | % Price Change |   | Package |
|----------------|--------------------|----------------|---|---------|
|                |                    | 1              | 2 |         |
| <b>XAS-137</b> | <b>55,00</b>       | + 20%          | - | 250     |

| DESCRIPTION                                 | GROOVE                                      | THRUST CAPACITY                                                                |
|---------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------|
| XAS-137                                     | <b>d2</b> inch. 1.309<br>mm 33.25           | <b>ring shear</b> Newtons 36.122<br>L.B.S. 8,121                               |
| <b>d1 mm</b> 34.93                          | <b>Toll. d2</b> inch. +/-0,004<br>mm +/-0,1 | (safety factor =3)                                                             |
| <b>d1 inch</b> 1.375                        | <b>c</b> inch. 0.056<br>mm 1.42             | <b>groove yield</b> Newtons 14.266<br>L.B.S. 3,207                             |
| <b>RING IN THE UNSTRESSED STATE</b>         | <b>Toll. c</b> inch. +0,004<br>mm +0,100    | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| <b>d3</b> inch. 1.291<br>mm 32.79           |                                             |                                                                                |
| <b>Toll. d3</b> inch. -0,031<br>mm -0,79    |                                             |                                                                                |
| <b>b</b> inch. 0.109<br>mm 2.77             |                                             |                                                                                |
| <b>Toll. b</b> inch. +/-0,003<br>mm +/-0,08 |                                             |                                                                                |
| <b>s</b> inch. 0.050<br>mm 1.27             |                                             |                                                                                |
| <b>Toll. s</b> inch. +/-0,002<br>mm +/-0,05 |                                             |                                                                                |
| <b>Weight Kg/1000</b> 3.04                  |                                             |                                                                                |

Technical informations are indicative and can be updated.

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