

**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1060-75 Carbon Steel**

surface treatment:  
**Oil dipped**
**Example of designation: FHE-0050**

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

Heavy duty  
series  
**FHE - for bores**  
(in inches)


| description     | Price<br>Euro x100 | % Price Change |   | Package |
|-----------------|--------------------|----------------|---|---------|
|                 |                    | 1              | 2 |         |
| <b>FHE-0231</b> | <b>180,00</b>      | + 20%          | - | 100     |

| DESCRIPTION                                 | GROOVE                                    | THRUST CAPACITY                                                                |
|---------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------|
| FHE-0231                                    | <b>d2</b> inch. 2.430<br>mm 61.72         | <b>ring shear</b> Newtons 88.395<br>L.B.S. 19,873                              |
| <b>d1 mm</b> 58.72                          | <b>Toll. d2</b> inch. +0,012<br>mm +0,300 | (safety factor =3)                                                             |
| <b>d1 inch</b> 2.312                        | <b>c</b> inch. 0.085<br>mm 2.16           | <b>groove yield</b> Newtons 42.888<br>L.B.S. 9,642                             |
| <b>RING IN THE UNSTRESSED STATE</b>         | <b>Toll. c</b> inch. +0,006<br>mm +0,150  | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| <b>d3</b> inch. 2.453<br>mm 62.31           |                                           |                                                                                |
| <b>Toll. d3</b> inch. +0,025<br>mm +0,64    |                                           |                                                                                |
| <b>b</b> inch. 0.200<br>mm 5.08             |                                           |                                                                                |
| <b>Toll. b</b> inch. +/-0,005<br>mm +/-0,13 |                                           |                                                                                |
| <b>s</b> inch. 0.076<br>mm 1.93             |                                           |                                                                                |
| <b>Toll. s</b> inch. +/-0,003<br>mm +/-0,08 |                                           |                                                                                |
| <b>Weight Kg/1000</b> 11.59                 |                                           |                                                                                |

Technical informations are indicative and can be updated.

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