

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

surface treatment:  
**Oil dipped**
**Example of designation: HS-37**

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

**HS - for shafts  
(in inches)**


| description   | Price<br>Euro x100 | % Price Change |   | Package |
|---------------|--------------------|----------------|---|---------|
|               |                    | 1              | 2 |         |
| <b>HS-112</b> | <b>57,00</b>       | + 20%          | - | 250     |

| DESCRIPTION |       |
|-------------|-------|
| HS-112      |       |
| d1 mm       | 28.58 |
| d1 inch     | 1.125 |

| RING IN THE UNSTRESSED STATE |                              |
|------------------------------|------------------------------|
| d3                           | inch. 1.073<br>mm 27.25      |
| Toll. d3                     | inch. -0,02<br>mm -0,51      |
| b                            | inch. 0.030<br>mm 0.76       |
| Toll. b                      | inch. +/-0,002<br>mm +/-0,05 |
| s                            | inch. 0.118<br>mm 3.00       |
| Toll. s                      | inch. +/-0,004<br>mm +/-0,10 |
| Weight Kg/1000               | 1.56                         |

| GROOVE   |                               |
|----------|-------------------------------|
| d2       | inch. 1.095<br>mm 27.81       |
| Toll. d2 | inch. +/-0,004<br>mm +/- 0,10 |
| c        | inch. 0.123<br>mm 3.12        |
| Toll. c  | inch. +0,004<br>mm +0,100     |

| THRUST CAPACITY                                                                |                               |
|--------------------------------------------------------------------------------|-------------------------------|
| groove yield                                                                   | Newtons 5.306<br>L.B.S. 1,193 |
| (based on a groove material yield strength of 310/mm and a safety factor of 2) |                               |

Technical informations are indicative and can be updated.

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