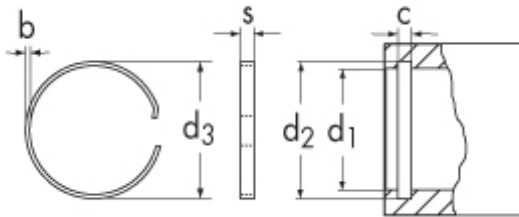


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

surface treatment:  
**Oil dipped**
**Example of designation: HHM-10**

**HHM - for bores**

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

| description   | Price<br>Euro x100 | % Price Change |   | Package |
|---------------|--------------------|----------------|---|---------|
|               |                    | 1              | 2 |         |
| <b>HHM-19</b> | <b>41,00</b>       | + 20%          | - | 500     |

| DESCRIPTION                         | GROOVE          | THRUST CAPACITY                                                                                                     |
|-------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|
| HHM-19                              | <b>d2</b>       | <b>groove yield</b> Newtons 2.822<br>(based on a groove material yield strength of 310/mm and a safety factor of 2) |
| <b>d1 mm</b> 19.00                  | mm 19.61        |                                                                                                                     |
|                                     | <b>Toll. d2</b> |                                                                                                                     |
|                                     | mm +/-0,05      |                                                                                                                     |
| <b>RING IN THE UNSTRESSED STATE</b> | <b>c</b>        |                                                                                                                     |
| <b>d3</b>                           | mm 2.36         |                                                                                                                     |
| mm 19.99                            |                 |                                                                                                                     |
| <b>Toll. d3</b>                     | <b>Toll. c</b>  |                                                                                                                     |
| mm +0,38                            | mm +0,080       |                                                                                                                     |
| <b>b</b>                            |                 |                                                                                                                     |
| mm 0.61                             |                 |                                                                                                                     |
| <b>Toll. b</b>                      |                 |                                                                                                                     |
| mm +/-0,04                          |                 |                                                                                                                     |
| <b>s</b>                            |                 |                                                                                                                     |
| mm 2.24                             |                 |                                                                                                                     |
| <b>Toll. s</b>                      |                 |                                                                                                                     |
| mm +/-0,10                          |                 |                                                                                                                     |
| <b>Weight Kg/1000</b>               |                 |                                                                                                                     |
| 0.70                                |                 |                                                                                                                     |

Technical informations are indicative and can be updated.

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