

## SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90 Carbon Steel

surface treatment:  
Oil dipped

Example of designation: HSM-10



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

HSM - for shafts



| description | Price<br>Euro x100 | % Price Change |        | Package |
|-------------|--------------------|----------------|--------|---------|
| HSM-15      | 45,00              | 1<br>+ 20%     | 2<br>- | 500     |

| DESCRIPTION                         | GROOVE     | THRUST CAPACITY                                                                                                     |
|-------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------|
| HSM-15                              | d2         | <b>groove yield</b> Newtons 1.948<br>(based on a groove material yield strength of 310/mm and a safety factor of 2) |
| d1 mm      15.00                    | mm 14.47   |                                                                                                                     |
|                                     | Toll. d2   |                                                                                                                     |
|                                     | mm +/-0,05 |                                                                                                                     |
|                                     | c          |                                                                                                                     |
|                                     | mm 1.78    |                                                                                                                     |
|                                     | Toll. c    |                                                                                                                     |
|                                     | mm +0,080  |                                                                                                                     |
| <b>RING IN THE UNSTRESSED STATE</b> |            |                                                                                                                     |
| d3                                  | mm 14.17   |                                                                                                                     |
| Toll. d3                            | mm -0,38   |                                                                                                                     |
| b                                   | mm 0.53    |                                                                                                                     |
| Toll. b                             | mm +/-0,04 |                                                                                                                     |
| s                                   | mm 1.65    |                                                                                                                     |
| Toll. s                             | mm +/-0,10 |                                                                                                                     |
| Weight Kg/1000                      | 0.31       |                                                                                                                     |

Technical informations are indicative and can be updated.

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