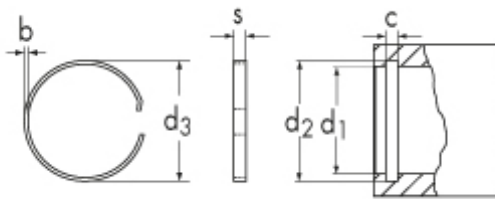


## SMALLEY® SPIRAL RETAINING RINGS

SAE 1070-90 Carbon Steel

surface treatment:  
Oil dipped

Example of designation: HH-37



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

HH - for bores  
(in inches)



| description | Price<br>Euro x100 | % Price Change | Package |
|-------------|--------------------|----------------|---------|
| HH-231      | 260,00             | + 20%          | 50      |

| DESCRIPTION                          | GROOVE                                 | THRUST CAPACITY                                                                |
|--------------------------------------|----------------------------------------|--------------------------------------------------------------------------------|
| HH-231                               | d2 inch. 2.350<br>mm 59.69             | groove yield Newtons 13.811<br>L.B.S. 3,105                                    |
| d1 mm 58.72                          | Toll. d2 inch. +/-0,006<br>mm +/- 0,15 | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| d1 inch 2.312                        | c inch. 0.193<br>mm 4.90               |                                                                                |
|                                      | Toll. c inch. +0,004<br>mm +0,100      |                                                                                |
| RING IN THE UNSTRESSED STATE         |                                        |                                                                                |
| d3 inch. 2.396<br>mm 60.86           |                                        |                                                                                |
| Toll. d3 inch. +0,024<br>mm +0,61    |                                        |                                                                                |
| b inch. 0.038<br>mm 0.97             |                                        |                                                                                |
| Toll. b inch. +/-0,002<br>mm +/-0,05 |                                        |                                                                                |
| s inch. 0.187<br>mm 4.75             |                                        |                                                                                |
| Toll. s inch. +/-0,005<br>mm +/-0,13 |                                        |                                                                                |
| Weight Kg/1000 6.80                  |                                        |                                                                                |

Technical informations are indicative and can be updated.

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