

**SMALLEY® SPIRAL RETAINING RINGS**

**SAE 1070-90**  
**Carbon Steel**

surface treatment:  
**Oil dipped**

**Example of designation: DNS-13**



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

Medium-heavy  
duty series  
**DNS - for shafts**  
**for groove DIN**  
**471**



| description   | Price<br>Euro x100 | % Price Change |        | Package |
|---------------|--------------------|----------------|--------|---------|
| <b>DNS-55</b> | <b>130,00</b>      | 1<br>+ 20%     | 2<br>- | 100     |

| DESCRIPTION                         | GROOVE          | THRUST CAPACITY                                                                                                            |
|-------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|
| DNS-55                              | <b>d2</b>       | <b>ring shear</b> Newtons 96.569<br>(safety factor =3)                                                                     |
| <b>d1 mm</b> 55.00                  | mm 52.00        |                                                                                                                            |
|                                     | <b>Toll. d2</b> | <b>groove yield</b> Newtons 40.207<br>(based on a groove material yield<br>strength of 310/mm and a safety factor<br>of 2) |
|                                     | mm -0,300       |                                                                                                                            |
| <b>RING IN THE UNSTRESSED STATE</b> | <b>c</b>        |                                                                                                                            |
| <b>d3</b>                           | mm 2.15         |                                                                                                                            |
| mm 51.49                            |                 |                                                                                                                            |
| <b>Toll. d3</b>                     | <b>Toll. c</b>  |                                                                                                                            |
| mm -0,63                            | mm +0,140       |                                                                                                                            |
| <b>b</b>                            |                 |                                                                                                                            |
| mm 5.08                             |                 |                                                                                                                            |
| <b>Toll. b</b>                      |                 |                                                                                                                            |
| mm +/-0,12                          |                 |                                                                                                                            |
| <b>s</b>                            |                 |                                                                                                                            |
| mm 1.93                             |                 |                                                                                                                            |
| <b>Toll. s</b>                      |                 |                                                                                                                            |
| mm +/-0,08                          |                 |                                                                                                                            |
| <b>Weight Kg/1000</b>               |                 |                                                                                                                            |
| 13.66                               |                 |                                                                                                                            |

Technical informations are indicative and can be updated.

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