



## GRAINGER APPROVED Carbon Steel Rod 12 in L 3 1/8 in Dia., 786U47

Item **28NVR4290** Mfr. Model **45r312512**

### Product Details

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Item Reference: <b>786U47</b>   | Width (in): <b>4</b>                  |
| Brand: <b>GRAINGER APPROVED</b> | Height (in): <b>4</b>                 |
| Weight (lb): <b>28</b>          | Harmonization Code: <b>7228100060</b> |
| Length (in): <b>13</b>          | Country of Origin: <b>MULTIPLE</b>    |

### Product Description

1045 Carbon Steel Rod Material Carbon Steel Material Grade 1045 Overall Length 12 in Heat Treatable Yes Heat Treatment No Heat Treatment Mechanical Finish Mill Outside Diameter 3 1/8 in Outside Diameter Tolerance +0.0000 in/-0.0050 in Yield Strength 77 000 psi Fabrication Cold Finished Rockwell Hardness Not Rated Brinell Hardness 90 Tensile Strength 110 000 psi Machinability 64 Percent Length Tolerance +/-1.000 in Includes Material Certificate Yes Standards ASTM A108 ASTM A29