



KALİTE KONTROL RAPORU  
QUALITY CONTROL REPORT 10204-3.1B

Sayfa No: Sayfa : 1/1  
Dök.No: F09.25 rev.03  
Tarih: 01.01.2008



|                               |                |                                  |       |
|-------------------------------|----------------|----------------------------------|-------|
| Müşteri<br>Customer           |                | Rapor No-Tarih<br>Report No-Date |       |
| Parça Adı<br>Part Name        | JACK NUT 40 MM | Sipariş Numarası<br>Order No     |       |
| Parça Ağırlığı<br>Unit Weight | 0,47           | Sevk Miktarı<br>Quantity         |       |
| Parça Kodu<br>Part Code       | J401           | Malzeme<br>Material              | GGG40 |

**Kimyasal Analiz Chemical Composition**

| Şarj No<br>Charge | % C  | % Si | % Mn | % S   | % P   | % Mg  | % Al | % Cr | % Mo | % Ni | % V |
|-------------------|------|------|------|-------|-------|-------|------|------|------|------|-----|
|                   | 3,70 | 2,62 | 0,21 | 0,009 | 0,038 | 0,047 | -    | -    | -    | -    | -   |
|                   | 3,75 | 2,61 | 0,21 | 0,009 | 0,038 | 0,048 | -    | -    | -    | -    | -   |
|                   | 3,73 | 2,67 | 0,20 | 0,009 | 0,038 | 0,048 | -    | -    | -    | -    | -   |
|                   |      |      |      |       |       |       |      |      |      |      |     |
|                   |      |      |      |       |       |       |      |      |      |      |     |

**Mekanik Özellikler Mechanical Properties**

| Şarj No<br>Charge | Sertlik HB<br>Hardness HB | Çekme Mukavemeti Rm<br>Mpa<br>Tensile Strength Rm<br>Mpa | Akma Mukavemeti Rp<br>MPa<br>Yield Strength Rp MPa | Uzama A <sub>5</sub> %<br>Elongation % | Kesit Daralması Z %<br>Reduction of Area Z % |
|-------------------|---------------------------|--|--|--|--|
|                   |                           | 135-185  | 400-550  | 250-350                                | 15-27  |
|                   | 155                       | 450  | 300  | 19                                     | 21   |
|                   | 165                       | 450  | 300  | 19                                     | 21   |
|                   | 160                       | 450  | 300  | 19                                     | 22   |
|                   |                           |  |  |  |  |
|                   |                           |  |  |  |  |
|                   |                           |  |  |  |  |

**Mikroyapı Microstructure**

| Şarj No<br>Charge | Grafit Ebadı<br>Graphite Size | Küreselleşme %<br>Nodularite % | %Matris %Matrix |         | % Zementit<br>%Cementite |
|-------------------|-------------------------------|--------------------------------|-----------------|---------|--------------------------|
|                   |                               |                                | Ferrite         | Perrite |                          |
|                   | OA-6                          | 100                            | 85              | 15      | —                        |
|                   | OA-6                          | 100                            | 85              | 15      | —                        |
|                   |                               |                                |                 |         |                          |
|                   |                               |                                |                 |         |                          |
|                   |                               |                                |                 |         |                          |
|                   |                               |                                |                 |         |                          |

Not

Notes

Inspecteur This inspection certificate was provided electronically and is valid without signature  
Stamp The Signed Original ia avaiable at Demirsoy.


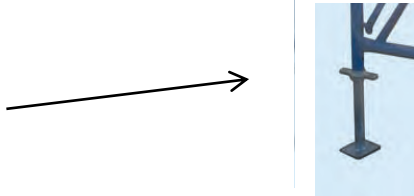


DEMİRSOY Döküm Metal İş. San ve Tic. Ltd. Şti.  
DEMİRSOY Casting metal Cons.Trade and Industry Ltd.Company  
Tel/Pho: 00 90 212 485 40 85  
Faks/Fax: 00 90 212 485 49 42

**DEMİRSOY DÖKÜM METAL İNŞAAT  
SANAYİ VE TİCARET LTD. ŞTİ.**



**PRODUCT TECHNICAL INFORMATION**

|                                |   |
|--------------------------------|---|
| <b>DISCRIPTION</b>             | JACK NUT 40 MM  |
| <b>PART NO</b>                 | J401  |
| <b>WEIGHT ( KG )</b>           | 0,470   |
| <b>PICTURE/<br/>DIMENSIONS</b> |   |
| <b>MATERIAL</b>                | GGG40   |
| <b>USAGE</b>                   | <p>THIS PART IS USED ON ADJUSTING TUBE FOR ADJUSTING HIGH.</p>  |
| Inspector<br>Stamp             | This inspection certificate was provided electronically and is valid without signature<br>The Signed Original ia available at Demirsoy.             |




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**TENSILE TEST RESULT/29.03.2017**

|                            |  |
|----------------------------|--|
| <b>DISCRIPTION</b>         | JACK NUT 40 MM   |
| <b>PART NO</b>             | J401   |
| <b>WEIGHT ( KG )</b>       | 0,470  |
| <b>TEST DEVICE</b>         | 100 Tons   |
| <b>NAME</b>                | Universal Testing Machine  |
| <b>BRAND</b>               | Shimadzu   |
| <b>ATRICLE NO</b>          | UH-F1000kNI  |
| <b>DEVICE TYPE</b>         | Digital  |
| <b>APPLIED METHOD</b>      | 5mm/min  |
| <b>AMBIENT TEMPERATURE</b> | 21 C   |
| <b>MEASURED LOAD(kN)</b>   | 153,97   |
| <b>REMARKS/RESULTS</b>     | After applying bending force on sample till the value of 153,97 kN, it was seen that bending came into occurence on the pipe where the bolt nut pass over. At the end of the experiment, there was no disentanglement on bolt nut. However, it was seen that the bolt nut was nut rotating freely. |
| <b>SAMPLE PHOTOS</b>       |    |
| Inspector Stamp            | This inspection certificate was provided electronically and is valid without signature<br>The Signed Original ia available at Demirsoy.  |