

20151 MILANO – VIA GALLARATE, 141

Ufficio vendite: - Stab.: Tel. (02) 38006529 -fax (02)3084962

Amministrazione: Telefono (02) 38006356 - E-Mail: info@bulloneriavilla.com
www.bulloneriavilla.com

ISO 9001:2008-Cert.n.3213/2

INSPECTION CERTIFICATE

According to (EN 10204:2005) 3.1

Nr. 121034

Data/Date 10/09/12

Vostro ord./Your order
Nr. **121469-C2F11A**
Data/Date **28/06/2012**Ns. Bolla/Delivery note
Nr. **121961**
Data/Date **10/09/2012**Cliente/Customer
DESMET BALLESTRA S.p.A.
VIA PORTALUPPI,17
20138 MILANO

Materiali e valori conformi alle norme ASME

Materials and values in conformity with standards ASME

| Pos/item. | Materiale/Materials | Descrizione/Description | Misure/sizes | Quantità/Quantity |
|-----------|---------------------|---------------------------|---------------|-------------------|
| 1) | ASME SA193/B7 | TIRANTI/STUD BOLT | 5/8" unc X 80 | NR. 10 |
| 2) | ASME SA193/B7 | TIRANTI/STUD BOLT | M 16 X 65 | NR. 210 |
| 3) | ASME SA193/B7 | TIRANTI/STUD BOLT | M 20 X 100 | NR. 5 |
| 3) | ASME SA193/B7 | TIRANTI/STUD BOLT | M 20 X 130 | NR. 37 |
| 4) | ASME SA193/B7 | VITI T.E./SCREWS UNI 5739 | 5/8" unc X 50 | NR. 19 |
| 5) | ASME SA193/B7 | VITI T.E./SCREWS UNI 5739 | 5/8" unc X 55 | NR. 19 |

ANALISI CHIMICA/CHEMICAL ANALYSIS

| Req. | | %C | %Mn | %Si | %P | %S | %Ni | %Cr | %Mo | %Al |
|------|-------------|-------|-------|-------|-------|-------|-----|-------|-------|-----|
| Min | | 0,370 | 0,650 | 0,150 | | | | 0,750 | 0,150 | |
| Max | | 0,490 | 1,100 | 0,350 | 0,035 | 0,040 | | 1,200 | 0,250 | |
| p/i | Colata/heat | | | | | | | | | |
| 1) | 136257 | 0,415 | 0,770 | 0,250 | 0,015 | 0,027 | | 1,050 | 0,190 | |
| 2) | 230087 | 0,405 | 0,780 | 0,220 | 0,014 | 0,021 | | 1,050 | 0,200 | |
| 3) | 138537 | 0,410 | 0,770 | 0,240 | 0,012 | 0,022 | | 1,030 | 0,180 | |
| 4) | 135876 | 0,395 | 0,770 | 0,230 | 0,024 | 0,021 | | 1,030 | 0,190 | |
| 5) | 135876 | 0,395 | 0,770 | 0,230 | 0,024 | 0,021 | | 1,030 | 0,190 | |

CARATTERISTICHE MECCANICHE/MECHANICAL PROPERTIES

| Required | R | R 0.2 | A | Z | HB | HB* | Impact test KV | Proof. L= |
|----------|-------------|-------------|------|------|----------|------|----------------|-----------|
| | Mpa – N/mm2 | Mpa – N/mm2 | % | % | Min. Max | 24 h | -27JMIN-101°C | |
| Pos/item | 860 | 720 | 16 | 50 | 321 | | | |
| 1) | 1027 | 778 | 20,0 | 58,2 | 312 | | | |
| 2) | 946 | 766 | 21,7 | 62,7 | 285 | | | |
| 3) | 980 | 774 | 16,8 | 58,9 | 295 | | | |
| 4) | 958 | 813 | 16,5 | 55 | 266 | | | |
| 5) | 958 | 813 | 16,5 | 55 | 266 | | | |

Note: VISUAL DIMENSIONAL TEST = **SATISFACTORY** Heat treat. **Quenched Tempered**

BULLONERIA VILLA S.p.A.

Quality control

We hereby certify that materials described in this certificate have been tested and comply with the terms of the order and of specification. * = hardness heat treatment at 540/590°C

Vostro ord./Your order
Nr. **121469-C2F11A**
Data/Date **28/06/2012**Ns. Bolla/Delivery note
Nr. **121961**
Data/Date **10/09/2012**Cliente/Customer
DESMET BALLESTRA S.p.A.
VIA PORTALUPPI,17
20138 MILANOMateriali e valori conformi alle norme ASME
Materials and values in conformity with standards ASME

| Pos/item. | Materiale/Materials | Descrizione/Description | Misure/sizes | Quantità/Quantity |
|-----------|---------------------|---------------------------|--------------|-------------------|
| 1) | ASME SA194/2H | DADI E./HEX.NUTS UNI 5587 | 5/8" unc | NR. 20 |
| 2) | ASME SA194/2H | DADI E./HEX.NUTS UNI 5587 | M 16 | NR. 420 |
| 3) | ASME SA194/2H | DADI E./HEX.NUTS UNI 5587 | M 20 | NR. 84 |

ANALISI CHIMICA/CHEMICAL ANALYSIS

| Req. Req. | Min Max | %C | %Mn | %Si | %P | %S | %Ni | %Cr | %Mo | %Al |
|--------------|-------------|-------|-------|-------|-------|-------|-----|-----|-----|-----|
| | | 0,400 | 1,000 | 0,400 | 0,040 | 0,050 | | | | |
| p/i | Colata/heat | | | | | | | | | |
| 1) | AH2284 | 0,450 | 0,650 | 0,230 | 0,017 | 0,015 | | | | |
| 2) | AG6617 | 0,420 | 0,630 | 0,220 | 0,018 | 0,014 | | | | |
| 3) | AH1278 | 0,450 | 0,670 | 0,220 | 0,018 | 0,013 | | | | |

CARATTERISTICHE MECCANICHE/MECHANICAL PROPERTIES

| Required Pos/item | R Mpa – N/mm ² | R 0.2 Mpa – N/mm ² | A % | Z % | HB Min. Max | HB* 24 h | Impact test KV -27JMIN-101°C | Proof. L= |
|----------------------|------------------------------|----------------------------------|--------|--------|----------------|-------------|---------------------------------|-----------|
| | | | | | 248-327 | | | |
| 1) | | | | | 270/278 | 240 | | POSIT |
| 2) | | | | | 270/279 | 251 | | POSIT |
| 3) | | | | | 285/292 | 269 | | POSIT |

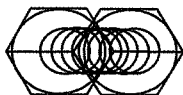
Note: VISUAL DIMENSIONAL TEST = **SATISFACTORY** Heat treat. **Quenched Tempered**

BULLONERIA VILLA S.p.A.

Quality control



We hereby certify that materials described in this certificate have been tested and comply with the terms of the order and of specification. * = hardness heat treatment at 540/590°C



BULLONERIA VILLA S.p.A.

CAPITALE SOC. € 120.000,00 I.V.

VIA GALLARATE NR. 141 - 20151 MILANO

Registro Imprese- C.F. - P.IVA NR. 00727770158

Uff. Vendite: Tel. 02-38006529- Fax 02-3084962- Amm. ne 02-38006356

www.bulloneriavilla.com - E Mail: info@bulloneriavilla.com



Date, 10/09/2012

CUSTOMER
DESMET BALLESTRA S.p.A.
VIA PORTALUPPI, 17
20138 MILANO

CONFORMITY CERTIFICATE NR. 121036

Your Order Nr. 121469/-C2F11A DATED 28/06/12
D.D.T. 121961 DATED 10/09/12

MATERIALS

TO SEE DELIVERY NOTE

SIZES - QUANTITY

| | | | |
|--------------|-----------------------|------------|--------|
| ACC. 6.8 TDE | MACHINE BOLT UNI 5727 | M 8 X 30 | NR. 5 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 10 X 30 | NR. 10 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 10 X 35 | NR. 5 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 12 X 35 | NR. 48 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 16 X 40 | NR. 38 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 16 X 50 | NR. 19 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 16 X 100 | NR. 5 |
| " 6.8 TDE | MACHINE BOLT UNI 5727 | M 20 X 70 | NR. 29 |

We certify that above mentioned materials have been manufactured, tested during manufacturing and final inspected according to applicable specifications and customer requirements.
Materials are conforming

QUALITY CONTROL DEPARTMENT

DIRECTORS

BULLONERIA VILLA S.p.A.
VIA GALLARATE 141 - MILANO