



# Hirschvogel Umformtechnik

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www.hirschvogel.com

A Company of the  
Hirschvogel Automotive Group

Hirschvogel Umformtechnik GmbH  
Dr.-Manfred-Hirschvogel-Straße 6 · 86920 Denklingen, Germany

Getrag S.p.A.  
Via dei Ciclamini 4  
70026 MODUGNO (BARI)  
ITALY

Delivery Note

22850

|                                                     |                                                   |                       |
|-----------------------------------------------------|---------------------------------------------------|-----------------------|
| Kunden-Nr.<br>Customer No.<br>No. du client         | Nr.<br>No.<br>No.                                 | Datum<br>Date<br>Date |
| 20011                                               | 82329528                                          | 13.08.2018            |
| 5) Lieferer-Nr.<br>Supplier No.<br>Code fournisseur | Lieferschein<br>Delivery note<br>Bon de livraison | Datum<br>Date<br>Date |
| 91001046                                            |                                                   |                       |

|                                                                                                                         |                                                  |                                                                                                   |                                                                                   |                                                                                                |                                                                         |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 10) Ihr Zeichen<br>Your Reference<br>Votre référence<br>0000008924                                                      | 11) Bestellung/Order/Commande<br>5500039164 0000 | 10) Zusatzdaten des Bestellers<br>Additional Customer Data<br>Indic. complém. client<br>0805 8580 | 12) Unsere Abteilung<br>Our Department<br>Notre département<br>HUG-LGT/Nöß        | 13) Tel./Fax Durchwahl<br>Phone/Fax Extension<br>Tél./Fax Intème<br>5638/092                   | 14) Unsere Auftrags-Nr.<br>Our Order No.<br>Notre ordre no.<br>50140380 |
| 19) Versandart/Way of Shipment/Mode d'expédition<br>forwarder HIVO<br>Spedition Schweitzer                              | 20) frei<br>paid<br>franco<br>X                  | 21) Verpackungsart<br>Packing<br>Mode d'emballage<br>see below                                    | 22) Versandzeichen<br>Shipping Marks<br>Identification de l'envoi<br>see document | 23) Gesamtgewicht kg/Weight kgs / Poids kg<br>brutto/gross/brut<br>980<br>netto/net/net<br>875 |                                                                         |
| 25) Versandanschrift/Shipping Address/Adresse d'expédition<br>Getrag S.p.A. Via dei Ciclamini 4<br>70026 MODUGNO (BARI) |                                                  |                                                                                                   |                                                                                   | 26) Abladestelle/Unload Location/Lieu de déchargement<br>100<br>14248                          |                                                                         |

| 27) Pos.<br>Item<br>Poste  | 28) Material/Teil-Nr.<br>Customer Part No.<br>Référence du client | 29) Material/Material/Référence<br>Bezeichnung/Description/Description<br>Produktionscharge/Production batch/Lot du production | 30) Menge<br>Quantity<br>Quantité | 31) Einheit<br>Unit<br>Unité |
|----------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|
| 010                        | 2516069390<br>00 HIRSCHVOGEL<br>DEW 286286 5<br>5000008783        | 111283-00<br>Input Shaft outer<br>487048<br><br>20MnCrS5<br>Abnahmeprüfzeugnis 3.1 nach EN 10204                               | 280                               | pc                           |
| 15/62                      |                                                                   | 161<br>HESON 15/62                                                                                                             |                                   | 1 pc                         |
| Gesamtsumme/Total quantity |                                                                   |                                                                                                                                | 280                               | pc                           |

100 197981  
50084939 70  
180 198293

KUEHNE+NAGEL s.r.l.  
ACCETTAZIONE MERCE  
Quantità dichiarata: 280  
Quantità effettiva:  
Tipo Imballaggio:  
Quantità Imballi:  
Conformità alle schede d'imballo: ☒ NO  
Data controllo: 12/8/18  
Firma: [Signature]

Incoterms 2010: FCA Denklingen AEO: AEOF 104198  
Country of origin: DE  
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BTV Bank, Memmingen, Currency: EUR, IBAN: DE13 7201 2300 0732 0973 00, BIC: BTVADE61XXX  
Sparkasse Oberland, Weilheim, Currency: EUR, IBAN: DE85 7035 1030 0005 3178 05, BIC: BYLADEM1WHM  
Bayern LB, München, Currency: EUR, IBAN: DE28 7005 0000 0004 1695 46, BIC: BYLADEMXXX  
Deutsche Bank AG, München, Currency: EUR, IBAN: DE12 7007 0010 0926 0811 00, BIC: DEUTDEMMXXX  
HSBC Trinkaus & Burkhardt, Düsseldorf, Currency: EUR, IBAN: DE52 3003 0880 0700 5650 09, BIC: TUBDDE33XXX  
BW-Bank, Stuttgart, Currency: USD, IBAN: DE05 6005 0101 7482 1003 01, BIC: SOLADEST600

Hirschvogel Umformtechnik GmbH  
Denklingen  
District Court Augsburg HRB 23817  
Executive Board: Frank M. Anisits,  
Dr. Thomas Brucher, Dr. Alfons Hätscher



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Inspection certificate 3.1  
EN 10204: 2005-01

|                                                     |                                                   |                       |
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|                                                                                                                         |                                                                |                                                                                      |                                                                                   |                                                                                                |                                                                         |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                   |                                                                                                                                |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|-------------|-------------|--------------|--------------------|--------------------|--------------------|--|-------------------------|--|--|------------|--|-----|--|--|-------------------------|--|--------|--|--|---------------|----|-----|-----|-----|
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| 010                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2516069390<br>00 HIRSCHVOGEL<br>DEW 286286 5                      | 111283-00<br>Input Shaft outer<br>487048<br>20MnCrS5                                                                           | 280                               | pc                           |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| <table><tr><td><u>Item</u></td><td><u>Unit</u></td><td><u>Value</u></td><td><u>Lower Limit</u></td><td><u>Upper Limit</u></td></tr><tr><td>production process</td><td></td><td>E - Electrically melted</td><td></td><td></td></tr><tr><td>Grain size</td><td></td><td>5-8</td><td></td><td></td></tr><tr><td>Degree of Purity K4 (ox</td><td></td><td>K3=&lt;30</td><td></td><td></td></tr><tr><td>Hardness (HB)</td><td>HB</td><td>180</td><td>150</td><td>225</td></tr></table> |                                                                   |                                                                                                                                |                                   |                              | <u>Item</u> | <u>Unit</u> | <u>Value</u> | <u>Lower Limit</u> | <u>Upper Limit</u> | production process |  | E - Electrically melted |  |  | Grain size |  | 5-8 |  |  | Degree of Purity K4 (ox |  | K3=<30 |  |  | Hardness (HB) | HB | 180 | 150 | 225 |
| <u>Item</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>Unit</u>                                                       | <u>Value</u>                                                                                                                   | <u>Lower Limit</u>                | <u>Upper Limit</u>           |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| production process                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                   | E - Electrically melted                                                                                                        |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| Grain size                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                   | 5-8                                                                                                                            |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| Degree of Purity K4 (ox                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                   | K3=<30                                                                                                                         |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| Hardness (HB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HB                                                                | 180                                                                                                                            | 150                               | 225                          |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| <u>Chemical Analysis/ Heat Analysis</u>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                   |                                                                                                                                |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| C 0,200 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Si 0,220 %                                                        | Mn 1,200 %                                                                                                                     | P 0,009 %                         | S 0,025 %                    |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| Cr 1,200 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Mo 0,060 %                                                        | Ni 0,190 %                                                                                                                     | Cu 0,060 %                        | Sn 0,003 %                   |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| Al 0,032 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | V < 0,01 %                                                        | Ti < 0,00 %                                                                                                                    | B 0,001 %                         | Nb < 0,00 %                  |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| Ca 0,001 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N 0,0106 %                                                        | Pb < 0,00 %                                                                                                                    | As 0,003 %                        | Sb < 0,00 %                  |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| O 25,0 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H < 2,5 ppm                                                       |                                                                                                                                |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| <u>Hardenability</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                   |                                                                                                                                |                                   |                              |             |             |              |                    |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1,5                                                               | 3                                                                                                                              | 5                                 | 7                            | 9           | 11          | 13           | 15                 |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |
| HRC                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 46,0                                                              | 44,0                                                                                                                           | 43,0                              | 40,0                         | 37,0        | 35,0        | 34,0         | 32,0               |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |

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Authorized inspection representative: B. Kast / QMW

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Sparkasse Oberland, Weilheim, Currency: EUR, IBAN: DE85 7035 1030 0005 3178 05, BIC: BYLADEM1VHM  
Bayern LB, München, Currency: EUR, IBAN: DE28 7005 0000 0004 1695 46, BIC: BYLADEMXXX  
Deutsche Bank AG, München, Currency: EUR, IBAN: DE12 7007 0010 0926 0811 00, BIC: DEUTDEMMXXX  
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