



# Hirschvogel Umformtechnik

Dr.-Manfred-Hirschvogel-Strasse 6  
86920 Denklingen, Germany

Phone +49 8243 291-0  
Fax +49 8243 991-001  
hug@hirschvogel.de  
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

212844

|                                                     |                                                   |                       |
|-----------------------------------------------------|---------------------------------------------------|-----------------------|
| Kunden-Nr.<br>Customer No.<br>No. du client         | Nr.<br>No.<br>No.                                 | Datum<br>Date<br>Date |
| 20011                                               | 82329522                                          | 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>0000008913                         | 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/NöB        | 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>50140372                                               |
| 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) Versandanzeige/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/Tell-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>5000008772        | 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                           |
| <div>100 197 987</div> <div>500349 3955</div> <div>180 198286</div> <div>KUEHNE+NAGEL S.r.l.<br/>ACCETTAZIONE MERCE<br/>Quantità dichiarata: 280<br/>Quantità effettiva:<br/>Tipo Imballaggio:<br/>Quantità Imballi:<br/>Conformità alle schede d'imballo: <input checked="" type="checkbox"/> <input type="checkbox"/><br/>Data controllo: 17/8/18<br/>Firma: [Signature]</div> |                                                                   |                                                                                                                                |                                   |                              |

Incoterms 2010:  
Country of origin:

FCA Denklingen  
DE

AEO: AEOF 104198

Unless otherwise agreed our General Terms of Trade and Delivery are binding. Other, conflicting or deviating customers' General Terms or Conditions are not accepted by us and do not become part of any contract. Our General Terms of Trade and Delivery can be reviewed under <https://www.hirschvogel.com/en/agb.html>.

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: BYLADEMMXXX  
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. Anslits,  
Dr. Thomas Brücher, Dr. Alfons Hätscher



# Hirschvogel Umformtechnik

Dr.-Manfred-Hirschvogel-Strasse 6  
86920 Denklingen, Germany

Phone +49 8243 291-0  
Fax +49 8243 991-001  
hug@hirschvogel.de  
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

## Inspection certificate 3.1 EN 10204: 2005-01

|                                                     |                                                   |                       |
|-----------------------------------------------------|---------------------------------------------------|-----------------------|
| Kunden-Nr.<br>Customer No.<br>No. du client         | Nr.<br>No.<br>No.                                 | Datum<br>Date<br>Date |
| 20011                                               | 82329522                                          | 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       | 11) Bestellung/Order/Commande | 10) Zusatzdaten des Bestellers<br>Additional Customer Data<br>Indic. complém. client | 12) Unsere Abteilung<br>Our Department<br>Notre département       | 13) Tel./Fax Durchwahl<br>Phone/Fax Extension<br>Tél./Fax Intème | 14) Unsere Auftrags-Nr.<br>Our Order No.<br>Notre ordre no. |
| 0000008                                                    | 5500039164 00001              |                                                                                      | HUG-LGV/Arn                                                       | 5649 / 9300                                                      | 50140372                                                    |
| 19) Versandart/Way of Shipment/Mode d'expédition           | 20) unfrei<br>paid<br>franco  | 21) Verpackungsart<br>Packing<br>Mode d'emballage                                    | 22) Versandzeichen<br>Shipping Marks<br>Identification de l'envoi | 23) Gesamtgewicht kg/ Weight kgs / Poids kg                      |                                                             |
| forwarder HIVO<br>Spedition Schweitzer                     |                               | X                                                                                    | see document                                                      | brutto/gross/brut 980                                            | netto/net/net 875                                           |
| 25) Versandanschrift/Shipping Address/Adresse d'expédition |                               |                                                                                      |                                                                   | 26) Abladestelle/Unload Location/Lieu de déchargement            |                                                             |
| Getrag S.p.A. Via dei Ciclamini 4<br>70026 MODUGNO (BARI)  |                               |                                                                                      |                                                                   | 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                      | 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               |                    |                    |  |                         |  |  |            |  |     |  |  |                         |  |        |  |  |               |    |     |     |     |

This document was generated electronically acc. to EN10204 and is valid without a signature.  
Authorized inspection representative: B. Kast / QMW

BTV Bank, Memmingen, Currency: EUR, IBAN: DE13 7201 2300 0732 0973 00, BIC: BTVADE31XXX  
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: BYLADEMMXXX  
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 Brücher, Dr. Alfons Hätscher