



# Hirschvogel Umformtechnik

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

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

A Company of the  
Hirschvogel Group

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

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

**KUEHNE+NAGEL S.r.l.**  
Via dei Ciclamini, snc - 70026 Modugno (BA)



## Delivery Note

| Kunden-Nr.<br>Customer No.<br>No. du client         | Nr.<br>No.                                        | Datum<br>Date |
|-----------------------------------------------------|---------------------------------------------------|---------------|
| 20011                                               | 83064433                                          | 19.10.2022    |
| 5) Lieferer-Nr.<br>Supplier No.<br>Code fournisseur | Lieferschein<br>Delivery note<br>Bon de livraison | Datum<br>Date |
| 91001046                                            |                                                   |               |

24. OTT 2022  
"Ricevuto con riserva di  
verifica su qualità e quantità"

|                                                                                                                           |                                                  |                                                                                                   |                                                                                   |                                                                                                     |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 10) Ihr Zeichen<br>Your Reference<br>0000020873                                                                           | 11) Bestellung/Order/Commande<br>5500045027 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/DaS        | 13) Tel/Fax Durchwahl<br>Phone/Fax Extension<br>Tél/Fax interne<br>6552/092                         | 14) Unsere Auftrags-Nr.<br>Our Order No.<br>Notre ordre no.           |
| 19) Versandart/Way of Shipment/Mode d'expédition<br>forwarder HIVO<br>Spedition Schweitzer                                | 20) frei<br>paid<br>franco                       | 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>9.890<br>netto/net/net<br>8.840 | 24) Abladestelle/Unload Location/Lieu de déchargement<br>100<br>14248 |
| 25) Versandanschrift/Shipping Address/Adresse d'expédition<br>Magna PT S.p.A. Via dei Ciclamini 4<br>70026 MODUGNO (BARI) |                                                  |                                                                                                   |                                                                                   |                                                                                                     |                                                                       |

| 27) Pos.<br>Item<br>Poste | 28) Material/Kunde/Customer/Part/Référence/Client<br>Änderungsstand/Engineering Change/État Technique<br>Kundencharge/Customer Batch/Lot Client<br>Lieferantencharge/Vendor Batch/Lot Fournisseur | 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                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020490                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 020                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020532                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 030                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020533                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |

**KUEHNE+NAGEL S.r.l.**  
ACCETTAZIONE MERCATO

Quantità dichiarata: 520  
Quantità effettiva: 520  
Tipo Imballaggio: 10  
Quantità Imballi: 10  
Conformità alle schede d'imballaggio: ☒ SI ☐ NO  
Data controllo: 26.10.22  
Firma: [Signature]

180326230  
501271263  
180326230

Incoterms 2020: FCA Denklingen  
Country of origin: DE  
AEO: AEOF 104198  
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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: BYLADEM11WHM  
Bayern LB, München, Currency: EUR, IBAN: DE28 7005 0000 0004 1695 46, BIC: BYLADE33XXX  
Deutsche Bank AG, München, Currency: EUR, IBAN: DE12 7007 0010 0926 0811 00, BIC: DEUTDE33XXX  
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  
Management Board:  
Jörg Rückauf (Chairman),  
Walter Bauer, Dr. Dirk Landgrebe



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## Delivery Note

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| 5) Lieferant-Nr.<br>Supplier No.<br>Code fournisseur | Lieferschein<br>Delivery note<br>Bon de livraison | Datum<br>Date<br>Date |
| 91001046                                             |                                                   |                       |

|                                                             |                               |                                                                                      |                                                             |                                                                   |                                                             |
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| 0000020873                                                  | 5500045027 0000               | 0805 8580                                                                            | HUG-LGT/DaS                                                 | 6552/092                                                          |                                                             |
| 19) Versandart/Way of Shipment/Mode d'expédition            | frei paid<br>franco           | 20) unfrei unpaid<br>port d'd                                                        | 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 below                                                   | see document                                                      | brutto/gross/brut 9.890<br>netto/net/net 8.840              |
| 25) Versandanschrift/Shipping Address/Adresse d'expédition  |                               |                                                                                      |                                                             |                                                                   | 26) Abladestelle/Unload Location/Lieu de déchargement       |
| Magna PT S.p.A. Via dei Ciclamini 4<br>70026 MODUGNO (BARI) |                               |                                                                                      |                                                             |                                                                   | 100<br>14248                                                |

| 27) Pos.<br>Item<br>Poste | 28) Material/Kunde/Customer Part/Référence Client<br>Änderungsstand/Engineering Change/État Technique<br>Kundencharge/Customer Batch/Lot Client<br>Lieferantencharge/Vendor Batch/Lot Fournisseur | 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 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|
| 040                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020534                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 050                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020553                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 060                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020554                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |

Incoterms 2020: FCA Denklingen AEO: AEOF 104198  
Country of origin: DE

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Bayern LB, München, Currency: EUR, IBAN: DE28 7005 0000 0004 1695 46, BIC: BYLADE33XXX  
Deutsche Bank AG, München, Currency: EUR, IBAN: DE12 7007 0010 0926 0811 00, BIC: DEUTDE33XXX  
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  
Management Board:  
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ITALY



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| 5) Lieferant-Nr.<br>Supplier No.<br>Code fournisseur | Lieferschein<br>Delivery note<br>Bon de livraison | Datum<br>Date<br>Date |
| 91001046                                             |                                                   |                       |

|                                                             |                               |                                                                                      |                                                             |                                                                   |                                                             |
|-------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|
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| 0000020873                                                  | 5500045027 0000               | 0805 8580                                                                            | HUG-LGT/DaS                                                 | 6552/092                                                          |                                                             |
| 18) Versandart/Way of Shipment/Mode d'expédition            | frei<br>paid<br>franco        | 20) unfrei<br>unpaid<br>port d'g                                                     | 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 below                                                   | see document                                                      | brutto/gross/brut 9.890<br>netto/net/net 8.840              |
| 25) Versandschrift/Shipping Address/Adresse d'expédition    |                               |                                                                                      |                                                             |                                                                   | 26) Abladestelle/Unload Location/Lieu de déchargement       |
| Magna PT S.p.A. Via dei Ciclamini 4<br>70026 MODUGNO (BARI) |                               |                                                                                      |                                                             |                                                                   | 100<br>14248                                                |

| 27) Pos.<br>Item<br>Poste | 28) Material/Kunde/Customer/Part/Référence/Client<br>Änderungsstand/Engineering Change/État Technique<br>Kundencharge/Customer Batch/Lot Client<br>Lieferantencharge/Vendor Batch/Lot Fournisseur | 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 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|
| 070                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020569                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 080                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020570                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 090                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020566                                                                                                                                         | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |

Incoterms 2020: FCA Denklingen AEO: AEOF 104198  
Country of origin: DE

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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  
BWL-Bank, Stuttgart, Currency: USD, IBAN: DE05 6005 0101 7482 1003 01, BIC: SOLADEST600

Hirschvogel Umformtechnik GmbH  
Denklingen  
District Court Augsburg HRB 23817  
Management Board:  
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70026 MODUGNO (BARI)  
ITALY



## Delivery Note

|                                                      |                                                   |                       |
|------------------------------------------------------|---------------------------------------------------|-----------------------|
| Kunden-Nr.<br>Customer No.<br>No. du client          | Nr.<br>No.<br>No.                                 | Datum<br>Date<br>Date |
| 20011                                                | 83064433                                          | 19.10.2022            |
| 5) Lieferant-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><b>0000020873</b>                           | 11) Bestellung/Order/Commande<br><b>5500045027 0000</b> | 10) Zusatzdaten des Bestellers<br>Additional Customer Data<br>Indic. complém. client<br><b>0805 8580</b> | 12) Unsere Abteilung<br>Our Department<br>Notre département<br><b>HUG-LGT/DaS</b>        | 13) Tel./Fax Durchwahl<br>Phone/Fax Extension<br>Tél./Fax Inténe<br><b>6552/092</b>                               | 14) Unsere Auftrags-Nr.<br>Our Order No.<br>Notre ordre no.                                                                  |
| 18) Versandanrt/Way of Shipment/Mode d'expédition<br><b>forwarder HIVO<br/>Spedition Schweitzer</b> | 20) frei<br>paid<br>franco<br><b>X</b>                  | 21) Verpackungsart<br>Packing<br>Mode d'emballage<br><b>see below</b>                                    | 22) Versandzeichen<br>Shipping Marks<br>Identification de l'envoi<br><b>see document</b> | 23) Gesamtgewicht kg/ Weight kgs / Poids kg<br>brutto/gross/brut<br><b>9.890</b><br>netto/net/net<br><b>8.840</b> | 25) Versandanrt/Shipping Address/Adresse d'expédition<br><b>Magna PT S.p.A. Via dei Ciclamini 4<br/>70026 MODUGNO (BARI)</b> |
|                                                                                                     |                                                         |                                                                                                          |                                                                                          |                                                                                                                   | 26) Abladestelle/Unload Location/Lieu de déchargement<br><b>100<br/>14248</b>                                                |

| 27) Pos.<br>Item<br>Poste                   | 28) Material/Kunde/CustomerPart/RéférenceClient<br>Anstandsstand/EngineeringChange/État Technique<br>Kundencharge/CustomerBatch/Lot Client<br>Lieferantencharge/VendorBatch/Lot Fournisseur | 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 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|
| 100                                         | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9<br>5000020565                                                                                                                                   | 110654-00<br>Input shaft inner<br>654686<br><br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft          | 520                               | pc                           |
| 15/62                                       |                                                                                                                                                                                             | 161<br>HESON 15/62                                                                                                             | 10                                | pc                           |
| Gesamtsumme/Total quantity                  |                                                                                                                                                                                             |                                                                                                                                | 5.200                             | pc                           |
| Handling Unit Number<br>50490909 - 50490918 |                                                                                                                                                                                             |                                                                                                                                | Filling Quantity<br>520           | pc                           |

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Country of origin: DE

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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  
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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 |
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| 91001046                                          |                                                   |                       |

|                                                             |                                                       |                                                                                      |                                                                   |                                                                  |                                                             |
|-------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|
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| 0000020                                                     | 5500045027 00001                                      |                                                                                      | HUG-LGV/Pel                                                       | 5605 / 9300                                                      | 50181263                                                    |
| 19) Versandanrt/Way of Shipment/Mode d'expédition           | 20) unfrei<br>paid<br>port dû                         | 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<br>9.890                                       | netto/net/net<br>8.840                                      |
| 25) Versandanschrift/Shipping Address/Adresse d'expédition  | 25) Abladestelle/Unload Location/Lieu de déchargement |                                                                                      |                                                                   |                                                                  |                                                             |
| Magna PT S.p.A. Via dei Ciclamini 4<br>70026 MODUGNO (BARI) | 100<br>14248                                          |                                                                                      |                                                                   |                                                                  |                                                             |

|                           |                                                                   |                                                                                                                                |                                   |                              |
|---------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|
| 27) Pos.<br>Item<br>Poste | 28) Material/Tel.-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                       | 2516043990<br>CO18926_MIP_1<br>DEW 119498 9                       | 110654-00<br>Input shaft inner<br>654686<br>20MnCrS5 acc. GCG 805000_02<br>Vormaterial 100 % verwechslungsgeprüft              | 520                               | pc                           |

| Item                 | Unit | Value                   | Lower Limit | Upper Limit |
|----------------------|------|-------------------------|-------------|-------------|
| result Cu + 10*Sn    | %    | 0,2500                  | 0,0000      | 0,5000      |
| quotient Al / N      |      | 2,7                     | 2,0         |             |
| production process   |      | E - Electrically melted |             |             |
| Reduction ratio min. |      | 87,0                    | 8,0         |             |
| Grain size           |      | 8                       |             |             |
| CL K3 (Oxide)        |      | < 30,00                 |             |             |

#### Chemical Analysis/ Heat Analysis

|              |             |              |              |              |
|--------------|-------------|--------------|--------------|--------------|
| C 0,2100 %   | Si 0,0900 % | Mn 1,3000 %  | P 0,0110 %   | S 0,0220 %   |
| Cr 1,1600 %  | Mo 0,0400 % | Ni 0,1300 %  | Cu 0,1200 %  | Sn 0,0130 %  |
| Al 0,0330 %  | V < 0,010 % | Ti < 0,001 % | B < 0,0002 % | Nb < 0,003 % |
| Ca 0,001 %   | N 0,0123 %  | Pb < 0,002 % | As 0,0030 %  | Sb < 0,002 % |
| O < 25,0 ppm | H < 2,5 ppm |              |              |              |

#### Hardenability

|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| mm  | 1,5  | 3    | 5    | 7    | 9    | 11   | 13   | 15   |
| HRC | 46,0 | 46,0 | 44,0 | 41,0 | 38,0 | 36,0 | 34,0 | 32,0 |

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Denklingen  
District Court Augsburg HRB 23817  
Management Board:  
Jörg Rückauf (Chairman),  
Walter Bauer, Dr. Dirk Landgrebe