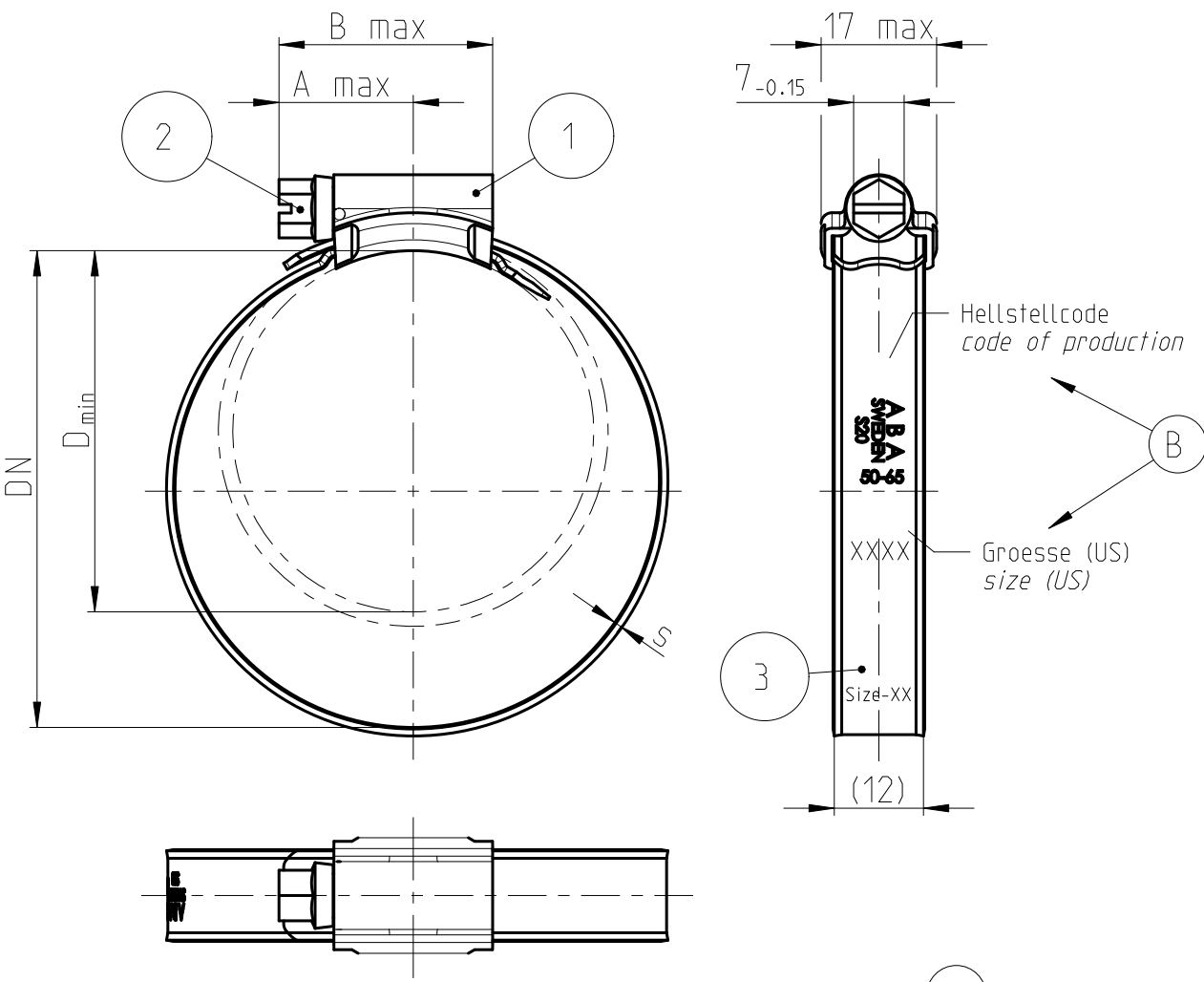


Angebotszeichnung  
QUOTATION DRAWING



Bruchdrehmoment von 15-24 bis 26-38 = min 6 Nm  
von 32-44 bis 50-65 = min 7 Nm  
von 58-75 bis 277-307 = min 8 Nm

Break torque from 15-24 to 26-38 = min 6 Nm  
from 32-44 to 50-65 = min 7 Nm  
from 58-75 to 277-307 = min 8 Nm

Oberflaeche: Part 1 (Gehaeuse) blau beschichtet 8-14 µm  
Part 2 (Schraube) verzinkt min 8µm, passiviert und versiegelt  
Part 3 (Band) AZ 150g/m<sup>2</sup>

Surface: part 1 (housing) coated blue 8-14 µm  
part 2 (screw) zinc plated min 8µm, passivated and sealed  
part 3 (band) AZ 150g/m<sup>2</sup>

Empfohlenes Anzugsdrehmoment bis 26-38 = 4 +1 Nm  
ab 32-44 = 5 +1 Nm

recommended tightening torque up to 26-38 = 4 +1 Nm  
from 32-44 = 5 +1 Nm

Empfohlene Einschraubgeschwindigkeit max. 350 1/min  
recommended tightening speed max. 350 1/min

| Teil-Nr.<br>ITEM-NO. | Stueck<br>QTY. | Benennung<br>PART - NAME                            | Index<br>Teil/PART | Werkstoff<br>MATERIAL | Oberflaeche<br>SURFACE  |
|----------------------|----------------|-----------------------------------------------------|--------------------|-----------------------|-------------------------|
| 1                    | 1              | ABA ORIGINAL Gehaeuse 12<br>ABA ORIGINAL housing 12 | -                  | 1.0308                | siehe Text<br>see notes |
| 2                    | 1              | ABA ORIGINAL Schraube 12<br>ABA ORIGINAL screw 12   | -                  | 1.1132/1.5525         |                         |
| 3                    | 1              | ABA ORIGINAL Band 12<br>ABA ORIGINAL band 12        | -                  | 1.0933 + AZ 150       |                         |

| Pos. | A max | B max | s   | D-D     | Anliefer-Ø+2/-1<br>SHIPPING-Ø+2/-1 | Benennung<br>PART-NAME        | Teilenummer<br>PART-NUMBER |
|------|-------|-------|-----|---------|------------------------------------|-------------------------------|----------------------------|
| 1    | 20.0  | 31.0  | 0.8 | 15-24   | 25                                 | ABA ORIGINAL 15-24/12 C7 W1   | 0813 0001 020              |
| 2    | 20.0  | 31.0  | 0.8 | 19-28   | 29                                 | ABA ORIGINAL 19-28/12 C7 W1   | 0813 0001 024              |
| 3    | 20.0  | 31.0  | 0.8 | 22-32   | 33                                 | ABA ORIGINAL 22-32/12 C7 W1   | 0813 0001 027              |
| 4    | 20.0  | 31.0  | 0.8 | 26-38   | 39                                 | ABA ORIGINAL 26-38/12 C7 W1   | 0813 0001 032              |
| 5    | 20.0  | 31.0  | 1.0 | 32-44   | 45                                 | ABA ORIGINAL 32-44/12 C7 W1   | 0813 0001 038              |
| 6    | 20.0  | 31.0  | 1.0 | 38-50   | 51                                 | ABA ORIGINAL 38-50/12 C7 W1   | 0813 0001 044              |
| 7    | 20.0  | 31.0  | 1.0 | 44-56   | 57                                 | ABA ORIGINAL 44-56/12 C7 W1   | 0813 0001 050              |
| 8    | 21.0  | 34.0  | 1.0 | 50-65   | 66                                 | ABA ORIGINAL 50-65/12 C7 W1   | 0813 0001 058              |
| 9    | 21.0  | 34.0  | 1.0 | 58-75   | 76                                 | ABA ORIGINAL 58-75/12 C7 W1   | 0813 0001 067              |
| 10   | 21.0  | 34.0  | 1.0 | 68-85   | 86                                 | ABA ORIGINAL 68-85/12 C7 W1   | 0813 0001 077              |
| 11   | 21.0  | 34.0  | 1.0 | 77-95   | 96                                 | ABA ORIGINAL 77-95/12 C7 W1   | 0813 0001 086              |
| 12   | 21.0  | 34.0  | 1.0 | 87-112  | 113                                | ABA ORIGINAL 87-112/12 C7 W1  | 0813 0001 100              |
| 13   | 21.0  | 34.0  | 1.0 | 104-138 | 139                                | ABA ORIGINAL 104-138/12 C7 W1 | 0813 0001 121              |
| 14   | 21.0  | 34.0  | 1.0 | 130-165 | 166                                | ABA ORIGINAL 130-165/12 C7 W1 | 0813 0001 148              |
| 15   | 21.0  | 34.0  | 1.0 | 150-180 | 181                                | ABA ORIGINAL 150-180/12 C7 W1 | 0813 0001 165              |
| 16   | 21.0  | 34.0  | 1.0 | 175-205 | 206                                | ABA ORIGINAL 175-205/12 C7 W1 | 0813 0001 190              |
| 17   | 21.0  | 34.0  | 1.0 | 200-231 | 232                                | ABA ORIGINAL 200-231/12 C7 W1 | 0813 0001 216              |
| 18   | 21.0  | 34.0  | 1.0 | 226-256 | 257                                | ABA ORIGINAL 226-256/12 C7 W1 | 0813 0001 241              |
| 19   | 21.0  | 34.0  | 1.0 | 251-282 | 283                                | ABA ORIGINAL 251-282/12 C7 W1 | 0813 0001 267              |
| 20   | 21.0  | 34.0  | 1.0 | 277-307 | 308                                | ABA ORIGINAL 277-307/12 C7 W1 | 0813 0001 292              |

im Leerlauf Drehmoment max. 1Nm  
Idle torque max. 1 Nm

|                                                                 |                       |                                                                                        |                                                  |                                             |               |                                              |                  |
|-----------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|---------------|----------------------------------------------|------------------|
| -                                                               | F                     | 2                                                                                      | Notes for break torque added & Idle torque added | 01-611802                                   | 2013-07-15    | Gambhir                                      | Hagmo            |
| -                                                               | E                     | 1                                                                                      | Band Material 1.0933+AZ150 was SS 142121         | 01-611144                                   | 2013-06-24    | Gambhir                                      | Hagmo            |
| -                                                               | D                     | -                                                                                      | Beschichtung Schraube korrigiert                 | 01-609293                                   | 11-05-26      | Krauss                                       | Lantsm.          |
| -                                                               | C                     | 4                                                                                      | Beschichtung, Material und Toleranz geaendert    | 01-608142                                   | 10-01-18      | Rottenbach                                   | Krauss           |
| -                                                               | B                     | 1                                                                                      | Beschriftung hinzu                               | 01-607223                                   | 08-11-13      | Haseney                                      | Mann             |
| -                                                               | A                     | -                                                                                      | Varianten Nummern haben sich geaendert           | 01-606378                                   | 08-02-18      | Rottenbach                                   | Krauss           |
| INDEX<br>Teil<br>PART                                           | Anz.<br>Zeichg<br>DWG | Anz.<br>QTY.                                                                           | Aenderung<br>DESCRIPTION                         | Aend.Nr.<br>CHANGE-NO.                      | Datum<br>DATE | Bearb.<br>DRAWN                              | Gepr.<br>CHECKED |
| Allgemeintoleranz:<br>GENERAL TOLERANCE:                        |                       | Form- und Lagetoleranz:<br>FORM AND POS. TOL.:                                         |                                                  | Abmass fuer Winkel:<br>DEVIATION FOR ANGLE: |               | Gewicht / WEIGHT:<br>errechnet<br>CALCULATED |                  |
| -                                                               |                       | -                                                                                      |                                                  | -                                           |               | -                                            |                  |
| Projektions-Methode 1<br>1st ANGLE PROJECTION<br>DIN ISO 128-30 |                       | Material: s. Stueckliste, SEE PART LIST                                                |                                                  | PART NAME:                                  |               |                                              |                  |
|                                                                 |                       | Material-No.: -                                                                        |                                                  | ABA ORIGINAL<br>TYPE S20 / C7 W1<br>-       |               |                                              |                  |
|                                                                 |                       | Oberflaeche: s. Stueckliste, SEE PART LIST                                             |                                                  |                                             |               |                                              |                  |
|                                                                 |                       | SURF. QUAL.: s. Stueckliste, SEE PART LIST                                             |                                                  |                                             |               |                                              |                  |
| NORMA-Patentnummer:<br>PATENT NUMBER:                           |                       | Massstab:<br>SCALE:                                                                    |                                                  | Datum/DATE                                  |               | Name/NAME                                    |                  |
| -                                                               |                       | 1:1                                                                                    |                                                  | 07-10-09                                    |               | Rottenbach                                   |                  |
| -                                                               |                       | -                                                                                      |                                                  | 07-10-09                                    |               | Krauss                                       |                  |
| -                                                               |                       | -                                                                                      |                                                  | -                                           |               | -                                            |                  |
| Bandlaenge:<br>LENGTH OF BAND:                                  |                       | Schutzvermerk nach ISO 16016 beachten<br>CONSIDER AFTER PROTECTION<br>NOTICE ISO 16016 |                                                  |                                             |               |                                              |                  |
| -                                                               |                       | -                                                                                      |                                                  |                                             |               |                                              |                  |
| ZNE:<br>01-104735                                               |                       |                                                                                        |                                                  |                                             |               |                                              |                  |
| Ursprung/Anfrage:<br>ENQUIRY-No.:                               |                       |                                                                                        |                                                  |                                             |               |                                              |                  |
| 9990001427                                                      |                       | NORMA Germany GmbH<br>Postfach 1149 • 63461 Maintal<br>© COPYRIGHT BY NORMA Group      |                                                  |                                             |               |                                              |                  |
| CAD-SYSTEM Pro/Engineer                                         |                       | DRAWING-NAME: 08130001000_Q                                                            |                                                  |                                             |               |                                              |                  |
| Benennung:                                                      |                       |                                                                                        |                                                  | Kunde/CUSTOMER:                             |               | DIN A                                        |                  |
| ABA Original<br>TYPE S20 / C7 W1<br>-                           |                       |                                                                                        |                                                  | -                                           |               | 3                                            |                  |
|                                                                 |                       |                                                                                        |                                                  |                                             |               | 1                                            |                  |
|                                                                 |                       |                                                                                        |                                                  |                                             |               | 1                                            |                  |
|                                                                 |                       |                                                                                        |                                                  | Zeichnungs-Nr./DRAWING-NO.:                 |               | INDEX<br>PART DWG                            |                  |
|                                                                 |                       |                                                                                        |                                                  | 0813 0001 000                               |               | F                                            |                  |
|                                                                 |                       |                                                                                        |                                                  |                                             |               | Q                                            |                  |
|                                                                 |                       |                                                                                        |                                                  | SUB.F.: -                                   |               | SUB.FROM: -                                  |                  |
|                                                                 |                       |                                                                                        |                                                  | MODEL-NAME: 08130001000                     |               | MODEL-TYP: ASSEM                             |                  |