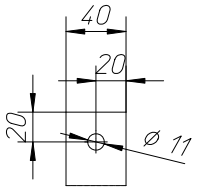
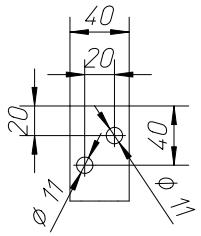
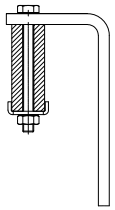
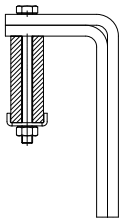
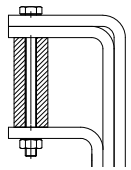
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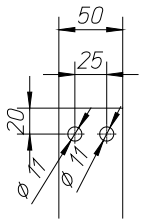
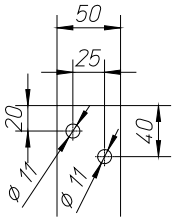
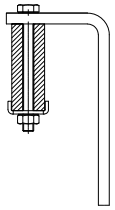
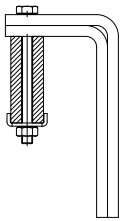
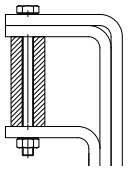
## Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:** **40x10**

| Verbindungszubehör \| **Connection accessories** | | | | | Hauptsammelschienen \| **Mainbusbars** | | | |
|---|---|---|---|---|---|---|---|---|
| Benennung **name** | Beschreibung **specification** | Artikel/Type **material/type** | Bild **picture** | | **2x40x10** | **2x60x10** | **2x80x10** | **3x80x10** |
| | | | | Verbindungskupfer **Connection copper** |  | | |  |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 70 – 8.8 | XNNSKS-M10X70-8 **141888** |  |  | 1 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 1 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 1 Stk/**pcs** | 1 Stk/**pcs** | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 80 – 8.8 | XNNSKS-M10X80-8 **141889** |  |  | 1 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 1 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 1 Stk/**pcs** | 1 Stk/**pcs** | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  |  | 1 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | 1 Stk/**pcs** | | |
| Stiftschraube **Stud screw** | DIN 939 M10x140 – 8.8 | XNSTS-M10X140-S **141841** |  | | | | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantmutter **Hexagon nut** | DIN EN 24032 M10 – 8.8 | XNNSKM-M10 **141876** |  | | 1 Stk/**pcs** | 1 Stk/**pcs** | 2 Stk/**pcs** | 4 Stk/**pcs** |
| Spannscheibe **Conical spring washer** | DIN 6796-10-FST | XNNSS-10-FST **141896** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 4 Stk/**pcs** |

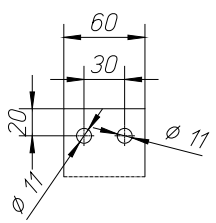
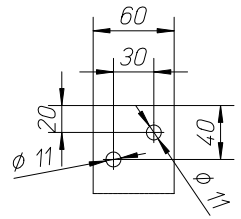
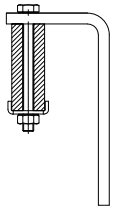
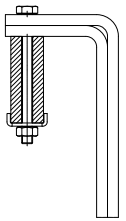
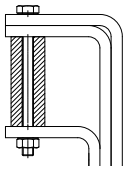
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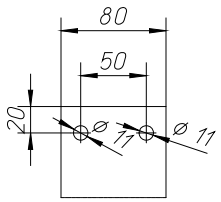
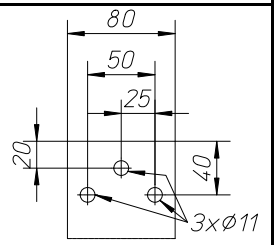
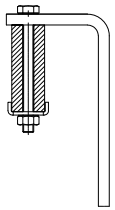
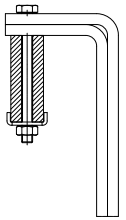
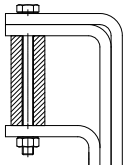
## Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:** **50x10**

| Verbindungszubehör \| **Connection accessories** | | | | | Hauptsammelschienen \| **Mainbusbars** | | | |
|---|---|---|---|---|---|---|---|---|
| Benennung **name** | Beschreibung **specification** | Artikel/Type **material/type** | Bild **picture** | | **2x40x10** | **2x60x10** | **2x80x10** | **3x80x10** |
| | | | | Verbindungskupfer **Connection copper** | |  | |  |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 70 – 8.8 | XNNSKS-M10X70-8 **141888** |  |  | 1 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 1 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 1 Stk/**pcs** | 1 Stk/**pcs** | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 80 – 8.8 | XNNSKS-M10X80-8 **141889** |  |  | 1 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 1 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 1 Stk/**pcs** | 1 Stk/**pcs** | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  |  | 1 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | 1 Stk/**pcs** | | |
| Stiftschraube **Stud screw** | DIN 939 M10x140 – 8.8 | XNSTS-M10X140-S **141841** |  | | | | 1 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantmutter **Hexagon nut** | DIN EN 24032 M10 – 8.8 | XNNSKM-M10 **141876** |  | | 1 Stk/**pcs** | 1 Stk/**pcs** | 2 Stk/**pcs** | 4 Stk/**pcs** |
| Spannscheibe **Conical spring washer** | DIN 6796-10-FST | XNNSS-10-FST **141896** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 4 Stk/**pcs** |

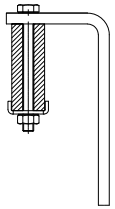
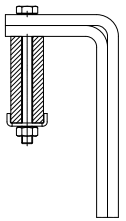
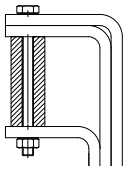
# Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:** 60x10

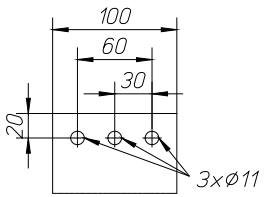
| Verbindungszubehör \| **Connection accessories** | | | | | Hauptsammelschienen \| **Mainbusbars** | | | |
|---|---|---|---|---|---|---|---|---|
| Benennung **name** | Beschreibung **specification** | Artikel/Type **material/type** | Bild **picture** | | **2x40x10** | **2x60x10** | **2x80x10** | **3x80x10** |
| | | | | Verbindungskupfer **Connection copper** | |  | |  |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 70 – 8.8 | XNNSKS-M10X70-8 **141888** |  |  | 2 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 2 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 2 Stk/**pcs** | 2 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 80 – 8.8 | XNNSKS-M10X80-8 **141889** |  |  | 2 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 2 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 2 Stk/**pcs** | 2 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  |  | 2 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | 2 Stk/**pcs** | | |
| Stiftschraube **Stud screw** | DIN 939 M10x140 – 8.8 | XNSTS-M10X140-S **141841** |  | | | | 2 Stk/**pcs** | 2 Stk/**pcs** |
| Sechskantmutter **Hexagon nut** | DIN EN 24032 M10 – 8.8 | XNNSKM-M10 **141876** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** |
| Spannscheibe **Conical spring washer** | DIN 6796-10-FST | XNNSS-10-FST **141896** |  | | 4 Stk/**pcs** | 4 Stk/**pcs** | 4 Stk/**pcs** | 4 Stk/**pcs** |

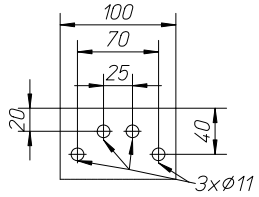
# Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:** 80x10

| Verbindungszubehör \| **Connection accessories** | | | | | Hauptsammelschienen \| **Mainbusbars** | | | |
|---|---|---|---|---|---|---|---|---|
| Benennung **name** | Beschreibung **specification** | Artikel/Type **material/type** | Bild **picture** | | **2x40x10** | **2x60x10** | **2x80x10** | **3x80x10** |
| | | | | Verbindungskupfer **Connection copper** |  | | |  |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 70 – 8.8 | XNNSKS-M10X70-8 **141888** |  |  | 2 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 2 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 2 Stk/**pcs** | 3 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 3 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 80 – 8.8 | XNNSKS-M10X80-8 **141889** |  |  | 2 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 2 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 2 Stk/**pcs** | 3 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 2 Stk/**pcs** | 3 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  |  | 2 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | 2 Stk/**pcs** | | |
| Stiftschraube **Stud screw** | DIN 939 M10x140 – 8.8 | XNSTS-M10X140-S **141841** |  | | | | 2 Stk/**pcs** | 3 Stk/**pcs** |
| Sechskantmutter **Hexagon nut** | DIN EN 24032 M10 – 8.8 | XNNSKM-M10 **141876** |  | | 2 Stk/**pcs** | 2 Stk/**pcs** | 4 Stk/**pcs** | 6 Stk/**pcs** |
| Spannscheibe **Conical spring washer** | DIN 6796-10-FST | XNNSS-10-FST **141896** |  | | 4 Stk/**pcs** | 4 Stk/**pcs** | 4 Stk/**pcs** | 6 Stk/**pcs** |

# Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:** 100x10

| Verbindungszubehör \| **Connection accessories** | | | | | Hauptsammelschienen \| **Mainbusbars** | | | |
|---|---|---|---|---|---|---|---|---|
| Benennung **name** | Beschreibung **specification** | Artikel/Type **material/type** | Bild **picture** | | **2x40x10** | **2x60x10** | **2x80x10** | **3x80x10** |
| | | | | Verbindungskupfer **Connection copper** | | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 70 – 8.8 | XNNSKS-M10X70-8 **141888** |  |  | 3 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 3 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 3 Stk/**pcs** | 3 Stk/**pcs** | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 80 – 8.8 | XNNSKS-M10X80-8 **141889** |  |  | 3 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  | | | 3 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** |  | | 3 Stk/**pcs** | 3 Stk/**pcs** | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** |  |  | 3 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** |  | | | 3 Stk/**pcs** | | |
| Stiftschraube **Stud screw** | DIN 939 M10x140 – 8.8 | XNSTS-M10X140-S **141841** |  | | | | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Sechskantmutter **Hexagon nut** | DIN EN 24032 M10 – 8.8 | XNNSKM-M10 **141876** |  | | 3 Stk/**pcs** | 3 Stk/**pcs** | 6 Stk/**pcs** | 8 Stk/**pcs** |
| Spannscheibe **Conical spring washer** | DIN 6796-10-FST | XNNSS-10-FST **141896** |  | | 6 Stk/**pcs** | 6 Stk/**pcs** | 6 Stk/**pcs** | 8 Stk/**pcs** |



# Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:** 120x10

| Verbindungszubehör \| **Connection accessories** | | | | | Hauptsammelschienen \| **Mainbusbars** | | | |
|---|---|---|---|---|---|---|---|---|
| Benennung **name** | Beschreibung **specification** | Artikel/Type **material/type** | Bild **picture** | | **2x40x10** | **2x60x10** | **2x80x10** | **3x80x10** |
| | | | | Verbindungskupfer **Connection copper** | | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 70 – 8.8 | XNNSKS-M10X70-8 **141888** | | | 3 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** | | | | 3 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** | | | | | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** | | | 3 Stk/**pcs** | 3 Stk/**pcs** | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 80 – 8.8 | XNNSKS-M10X80-8 **141889** | | | 3 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** | | | | 3 Stk/**pcs** | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** | | | | | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Cu-Bügel **Copper clamp** | XNNCB | XNNCB **141852** | | | 3 Stk/**pcs** | 3 Stk/**pcs** | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 100 – 8.8 | XNNSKS-M10X100-8 **141881** | | | 3 Stk/**pcs** | | | |
| Sechskantschraube **Hexagon head cap screw** | DIN EN 24014 M10 x 120 – 8.8 | XNNSKS-M10X120-8 **141882** | | | | 3 Stk/**pcs** | | |
| Stiftschraube **Stud screw** | DIN 939 M10x140 – 8.8 | XNSTS-M10X140-S **141841** | | | | | 3 Stk/**pcs** | 4 Stk/**pcs** |
| Sechskantmutter **Hexagon nut** | DIN EN 24032 M10 – 8.8 | XNNSKM-M10 **141876** | | | 3 Stk/**pcs** | 3 Stk/**pcs** | 6 Stk/**pcs** | 8 Stk/**pcs** |
| Spannscheibe **Conical spring washer** | DIN 6796-10-FST | XNNSS-10-FST **141896** | | | 6 Stk/**pcs** | 6 Stk/**pcs** | 6 Stk/**pcs** | 8 Stk/**pcs** |

# Hauptsammelschienenanbindung mit: | **Connection to Mainbusbar with:**

Anzugsdrehmomente **| stud torque**

| Gewindegröße<br>**Screw Size** | Fertigung<br>**Mounting** | Prüfung<br>**Test** |
|---|---|---|
| M10 | 40 Nm | 37 Nm |