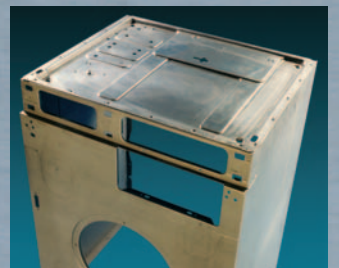
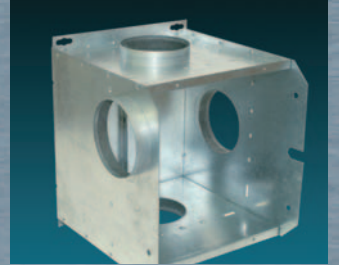


MCD 30/5 W "Piconet"

Mobiler Einhand-Clinchbügel

Portable one-hand clinching frame



für Bleche und Profile

for sheet metal and profiles

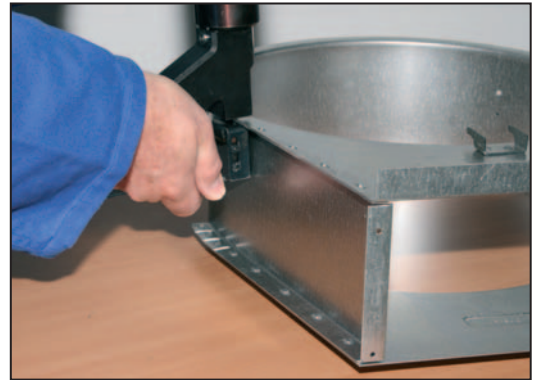


Mobiler Einhand-Clinchbügel
Portable one-hand clinching frame

MCD 30/5 W
 "Piconet"

- handlich, leichte Ausführung
- für den mobilen Einsatz
- Einhand-Bedienung
- verstellbare Wegbegrenzung

- *handy, light-weight design*
- *for mobile application*
- *One-hand operating device*
- *adjustable path limitation*



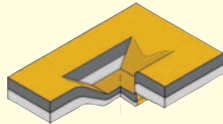
Antrieb/ Drive: Hydraulikaggregat /
 Hydraulic drive unit HAT 525 / HA 510

Technische Daten
Technical data

| | | | |
|--|--------------------------|---------------------------------------|-------------------------|
| Antrieb | hydraulisch | Wegbegrenzung | stufenlos verstellbar |
| Hubfrequenz | Einzelhub | Bügelkopf | 360° drehbar |
| Druckkraft | 50 kN bei 500 bar | path limitation | continuously adjustable |
| Ausgelegt für DF-Variante | S-DF, R-DF | frame head | 360° rotatable |
| max. Gesamtblechdicke | 3,0 mm Stahl | | |
| oder Aluminium | | | |
| a _{ges.} | | | |
| Gewicht | 4,0 kg | | |
| Hydraulikschlauchlänge | 6 m | | |
| <i>drive</i> | <i>hydraulically</i> | | |
| <i>stroke frequency</i> | <i>single stroke</i> | | |
| <i>pressure force</i> | <i>50 kN at 500 bar</i> | | |
| <i>provided for clinching types</i> | <i>S-DF, R-DF</i> | | |
| <i>max. combined material</i> | <i>3.0 mm mild steel</i> | | |
| <i>thickness a_{ges.}</i> | <i>or aluminium</i> | | |
| <i>weight</i> | <i>4,0 kgs</i> | | |
| <i>hydraulic hose length</i> | <i>6 m</i> | | |
| Fügerichtung (Stempel- und Matrizenposition) | ist nicht wechselbar. | Fügerichtung (punch and die position) | are not changeable. |

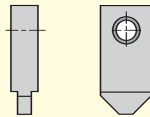
Stempel und Matrizen
Punches and dies

S-DF 4



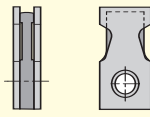
balkenförmiges
Clinchelement
*beam shape
clinching element*

Stempel / punch



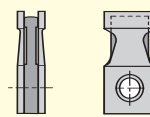
SD 711.00

Matrize / die



SMD 721.XX

Matrize / die



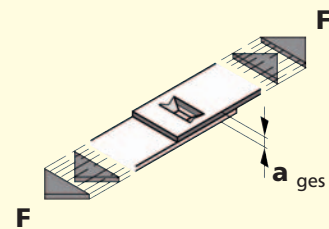
SMD 731.XX

- verdrehsicher
- geeignet für mehrlagige Verbindungen
- Clinchen mit Schneidanteil
- Einzelblechdicke min. 0.5 mm
- *rotation proof*
- *suitable for multiple layer connections*
- *clinching with partial cutting*
- *individual sheet thickness min. 0.5 mm*

Die Spreizmatrize SMD 721.XX ist für viele Anwendungen geeignet. Zum Clinchen von weichen Werkstoffen wie Aluminium oder Kupfer ist die SMD 731.XX zu empfehlen. Weitere Matrizen auf Anfrage

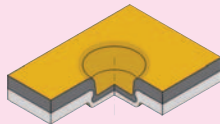
The die SMD 721.XX is suitable for many applications. For the clinching of soft materials such as aluminium or copper the SMD 731.XX is recommended. Other types of dies on request.

| Werkstoff material | Blechdicke sheet thickness | Scherzug quer F_1 shear tension transverse |
|--------------------|----------------------------|--|
| St | 2 x 0.50 mm | ~ 700 N |
| St | 2 x 0.75 mm | ~ 1200 N |
| St | 2 x 1.00 mm | ~ 2000 N |
| St | 2 x 1.50 mm | ~ 3000 N |
| Al | 2 x 1.00 mm | ~ 1200 N |
| Al | 2 x 1.50 mm | ~ 1800 N |



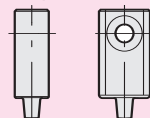
¹⁾Richtwerte / approximate values

R-DF 6
R-DF 8

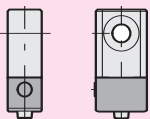


rundes
Clinchelement
*round clinching
element*

Stempel / punch



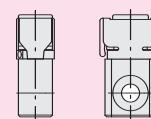
900.XX79YY
für Stahl /
for mild steel



900.XX47YY
für Al / for Al

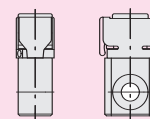
- gasdichte Verbindungselemente
- gleiche Scherzugbelastung in alle Richtungen
- Einzelblechdicke min. 0,5 mm
- Clinchen ohne Schneidanteil
- *airtight connections*
- *same shear load in all directions*
- *clinching with partial cutting*
- *individual sheet thickness min. 0.5 mm*

Matrize / die



951.XX (R-DF 6)
 $a_{ges.} = \text{max. } 3,0 \text{ mm}$

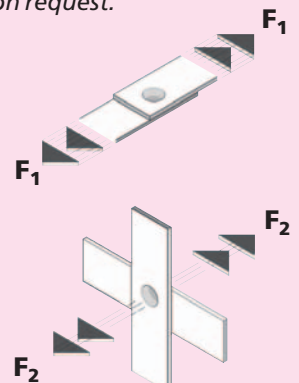
Matrize / die



950.XX (R-DF 8)
 $a_{ges.} = \text{max. } 2,0 \text{ mm}$

| Werkstoff Material | Blechdicke Sheet thickn. | Scherzug F_1 shear tension transverse | Kopfzug F_2 cross tension |
|--------------------|--------------------------|---|-----------------------------|
| St | 2 x 0.5 mm | ~ 1250 N | ~ 550 N |
| St | 2 x 0.75 mm | ~ 1650 N | ~ 1000 N |
| St | 2 x 1.0 mm | ~ 2000 N | ~ 1400 N |
| St | 2 x 1.5 mm | ~ 2400 N | ~ 2600 N |
| Al | 2 x 0.5 mm | ~ 1000 N | ~ 500 N |
| Al | 2 x 1.0 mm | ~ 1700 N | ~ 1000 N |
| Al | 2 x 1.5 mm | ~ 1500 N | ~ 1800 N |

Weitere Matrizen auf Anfrage.
Other types of dies on request.

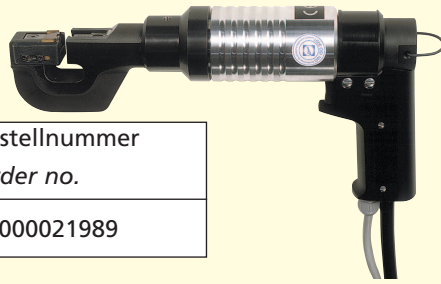


¹⁾ Richtwerte / approximate values

Werkstoff/Material: Stahlblech / mild steel ($R_m \sim 400 \text{ N/mm}^2$)
Aluminium ($R_m \sim 250 \text{ N/mm}^2$)
nicht ausgehärtet /not hardened

Anfrage / Inquiry
 Bestellung/ Order

**Mobile Clinchzange
Portable Clinching
pliers**

 MCD 30/5 W


| |
|----------------------------|
| Bestellnummer Order no. |
| 00000021989 |

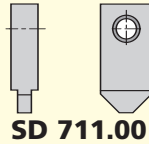
 Sonderausführung / Special design

In Sonderausführung mit geänderter Ausladung oder für das Clinchen von Edelstahl nach Absprache.
Special design with modified throat or for clinching of stainless steel after technical clarification.

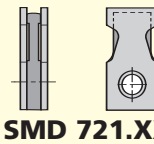
**Stempel und Matrizen
Punches and dies**

Viele weitere Clinchwerkzeuge sind einsetzbar gemäß Werkzeugauswahltabellen oder auf Nachfrage.

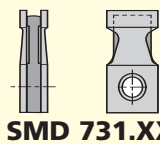
A lot of more clinching tools are usable according to tool selection tables or on demand.

 S-DF 4


SD 711.00

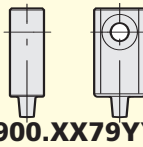
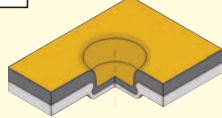


SMD 721.XX

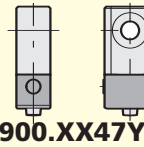


SMD 731.XX

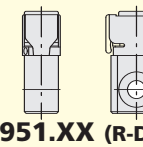
| Werkstoff Material | Blechdicke Sheet thickness | Stempel punch | Bestell-Nr. order no. | Matrize die | Bestell-Nr. order no. |
|-----------------------|-------------------------------|------------------|--------------------------|----------------|--------------------------|
| St. | 2 x 1.00 mm | 711.00 | 00403711006 | 721.10 | 00303721102 |
| Al | 2 x 1.00 mm | 711.00 | 00403711006 | 731.10 | 00303731100 |

 R-DF 6 + 8


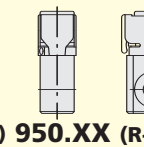
900.XX79YY



900.XX47YY



951.XX (R-DF 6)



950.XX (R-DF 8)

| Werkstoff Material | Blechdicke Sheet thickness | Variante variant | Stempel punch | Bestell-Nr. order no. | Matrize die | Bestell-Nr. order no. |
|-----------------------|-------------------------------|---------------------|------------------|--------------------------|----------------|--------------------------|
| St. | 2 x 1.00 mm | R-DF 6 | 900.367926 | 00000028693 | 951.09 | 00000025288 |
| Al | 2 x 1.00 mm | R-DF 6 | 900.344720 | 00000028695 | 951.07 | 00000025286 |
| St. | 2 x 1.00 mm | R-DF 8 | 900.507927 | 00000025243 | 950.10 | 00000025243 |
| Al | 2 x 1.00 mm | R-DF 8 | 900.484721 | 00000028694 | 950.09 | 00000025242 |

**Hydraulik-
aggregate
Hydraulic
drive units**

 HAT 525


| |
|--------------------------------|
| Bestellnummer Order no. |
| 00000066929 400 V 3Ph 50 Hz |

| |
|---------------------------------|
| Alternativ ___ V 3 Ph ___ HZ |
|---------------------------------|

 HA 510


| |
|--------------------------------|
| Bestellnummer Order no. |
| 00000043890 400 V 3Ph 50 Hz |

| |
|---------------------------------|
| alternativ ___ V 3 Ph ___ HZ |
|---------------------------------|

Ihre Adresse / your address

Firma / company

Name / name

Straße / street

PLZ Ort / zip code, city

Tel. / phone

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e-Mail

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