



# FERRARI



**U**nsere Grundsätze sind Professionalität, Qualität und Präzision: Damit beschreiben wir das, was uns zu einem der meist qualifizierten Hersteller weltweit von Ausrüstungen und Zubehör für Abkantpressen gemacht hat. Seit nunmehr 30 Jahren arbeiten wir mit den wichtigsten Herstellern zusammen und haben uns immer dadurch profiliert, dass wir große Sorgfalt auf Details, Planung und Herstellung von Werkzeugen gelegt haben, womit wir das Vertrauen vieler Kunden erworben haben, die in Bezug auf Technik und Vertrieb einen hohen Stellenwert belegen. Die Tatsache, dass unsere Produktion zum größten Teil exportiert wird, unterstreicht unseren Wunsch, auf internationaler Ebene tätig zu sein. In unseren beiden Werken in Basilicanova (Provinz Parma) arbeiten 40 Fachkräfte, die ihre Erfahrung ständig in den Dienst der Kunden stellen. **Sie leisten einen wertvollen Dienst zur Regenerierung und Rückgewinnung von verschlissener Ausrüstung mit eventuellem Austausch von nicht mehr brauchbaren Teilen.**

**S**eriousness, quality and precision are what make us strong. With these words we want to describe how we became one of the most qualified international producers of equipments and fittings for tool presses. It has been over 30 years that we have worked side by side with the most important constructors. We have always prided ourselves on our careful attention to details, from the planning of the project up to the realization of the actual tool. In this way we have acquired a large number of worldwide customers with high technical and commercial value. To demonstrate our great desire to operate internationally, we export the most of our production. On our two business premises in Basilicanova, province of Parma, we have about 40 specialized workers who are always at the clients disposal with their expertise. **We give also an important service of working operation and setting of wear equipment, with replacement of irrecoverable parts.**



**O**bwohl wir an unserer Tradition und Geschichte festhalten, die uns erlaubt haben zu wachsen und aus kleinen Handwerkern ein wichtiges Unternehmen zu werden, glauben wir an Entwicklung, Innovation und Veränderung. Wir sind zwar schnell gewachsen, jedoch wohlüberlegt und auf solider Basis, von Tag zu Tag, mit Hartnäckigkeit und Leidenschaft für diese Aufgaben und mit der Überzeugung, dass die technologische Innovation für ein modernes Unternehmen, das eine führende Stellung einnehmen möchte, unerlässlich ist.

**T**o permit us to maintain tradition and the history of small business owners we have been allowed to expand and become an important enterprise. We believe in development, innovation and in changes. Our growth has been very rapid, but measured and solidly, constructed day after day with passion and strength towards our work. We are convinced that the technological innovation is one of the indispensable elements for a modern business to be the best.



Unsere Werkzeuge sind mit dem Zeichen „High quality control“ gekennzeichnet, ein Zeichen dafür, dass sie vor der Verpackung sorgfältigen Prüfungen unterzogen werden. Die Verpackungen stellen wir werksintern nach zertifizierten Normen her.

All of our tools are stamped “High quality control”, meaning that each one of them is carefully and accurately controlled before it is packed. This packaging which we produce in our own factory is made according to certified regulations.

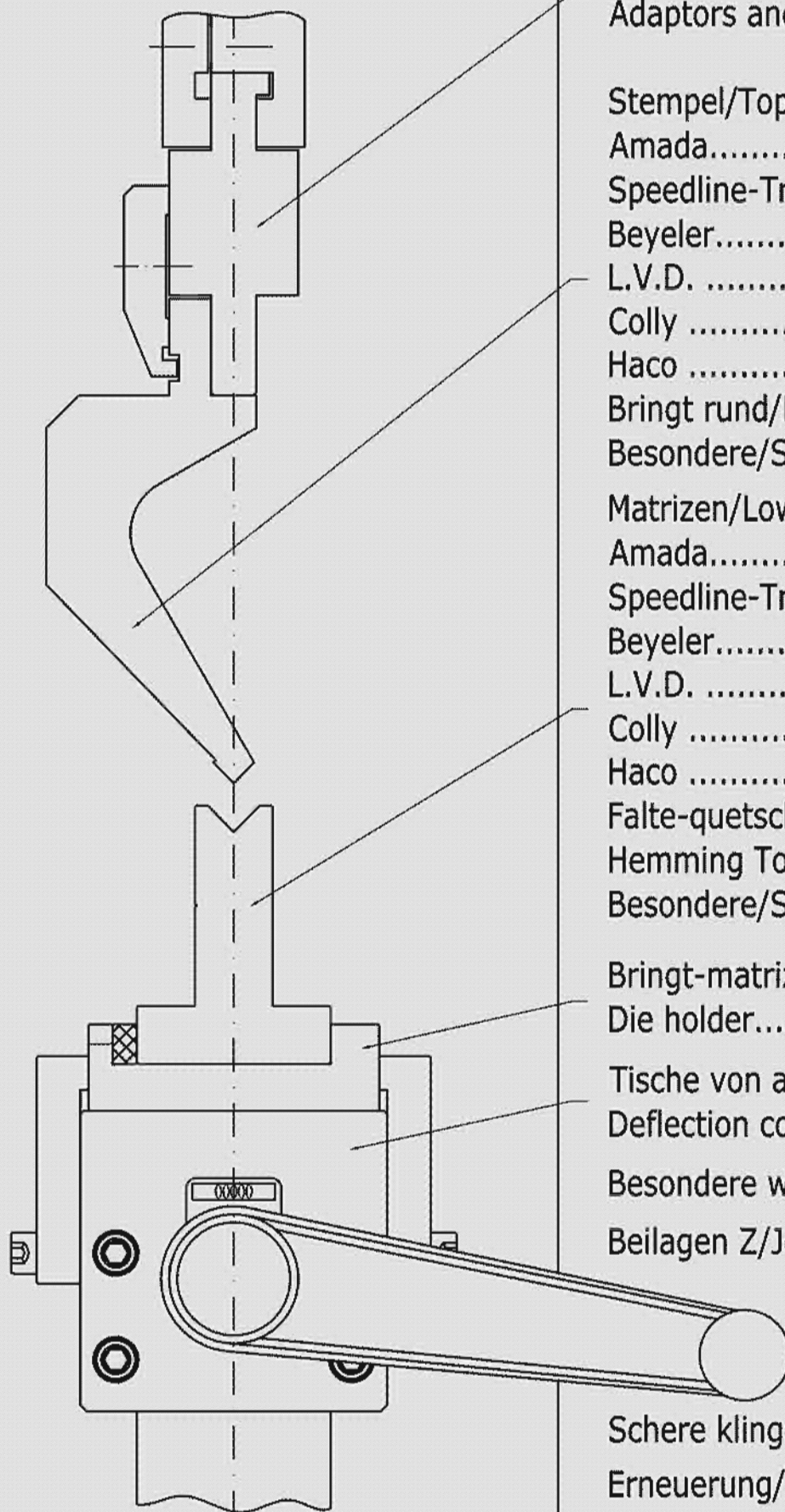


Durch unsere große Lagerhaltung an Standardwerkzeugen und die lange Erfahrung unserer Techniker, die sich mit der Planung von Sonderwerkzeugen beschäftigen, sind wir in der Lage, die sofortige Lieferung unserer Produkte zu gewährleisten. Wir investieren in technologische Innovation und führen dabei deshalb Maschinen ein, die alle Bedürfnisse unserer Kunden voll erfüllen können. **Wir sind in der Lage, gefräste, induktions-gehärtete und geschliffene Werkzeuge bis zu einer Länge von 8100 mm aus einem Stück herzustellen.** Die Induktionshärtung erfolgt in unserem Werk, und zwar auf einer Anlage, mit der eine hohe Härtetiefe erreicht werden kann. Mit NC-Sonderschleifmaschinen stellen wir sicher, dass unsere Werkzeuge einwandfrei austauschbar sind. Die Genauigkeit beträgt  $\pm 0,01$ .



Die Induktionshärtung erfolgt in unserem Werk, und zwar auf einer Anlage, mit der eine hohe Härtetiefe erreicht werden kann. Mit NC-Sonderschleifmaschinen stellen wir sicher, dass unsere Werkzeuge einwandfrei austauschbar sind. Die Genauigkeit beträgt  $\pm 0,01$ .

We can assure prompt delivery of our products to our customers thanks to a large stock of standard tools and to the long-time experience of the technicians that are involved in designing the special tools. We invest in technological innovation with the introduction of new machinery that can fully satisfy all of our customers needs. **We can manufacture milled tools, induction hardened and ground tools up to 8100 mm in one single piece.** By means of our internal equipment we treat the tools, obtaining a great depth of hardening. We are able to supply perfectly interchangeable tools and we can guarantee accuracy of  $\pm 0,01$  mm by means of modern grinding machines.



Adapter und vermittelnd..... pag.6  
 Adaptors and intermediates..... pag.6

## Stempel/Top tools

Amada..... pag.8/11  
 Speedline-Trumpf..... pag.23/26  
 Beyeler..... pag.28  
 L.V.D. .... pag.30  
 Colly ..... pag.32  
 Haco ..... pag.34  
 Bringt rund/Round holder...26/28/42  
 Besondere/Special ..... pag.36

## Matrizen/Lower Dies

Amada.....pag.12/21  
 Speedline-Trumpf..... pag.27  
 Beyeler..... pag.29  
 L.V.D. .... pag.31  
 Colly ..... pag.33  
 Haco ..... pag.34  
 Falte-quetscht..... pag.22/26/33  
 Hemming Tools.....pag.22/26/33  
 Besondere/Special ..... pag.37

Bringt-matrizen..... pag.43

Die holder.....pag.43

Tische von ausgleich..... pag.38

Deflection compensating table... p.38

Besondere wer./Special tools..pag.35

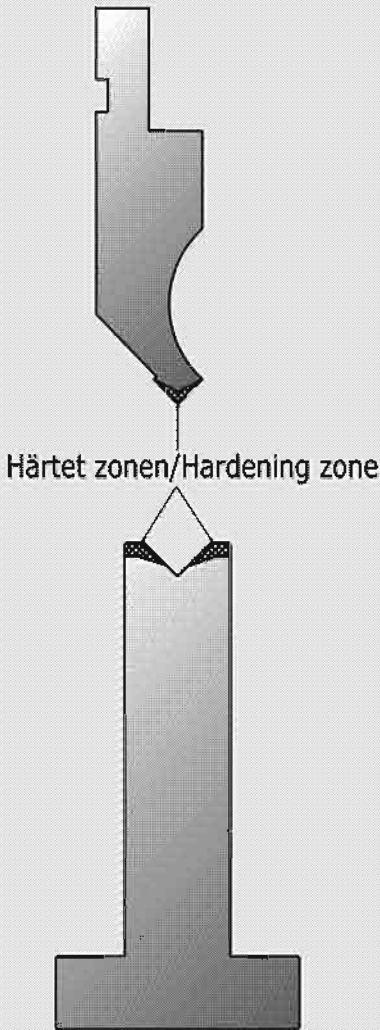
Beilagen Z/Joggle tools.....pag.40

Schere klingen/Shear blades.. pag.47

Erneuerung/Repairing..... pag.47

Beiwerke/Accessories..... pag.44/46

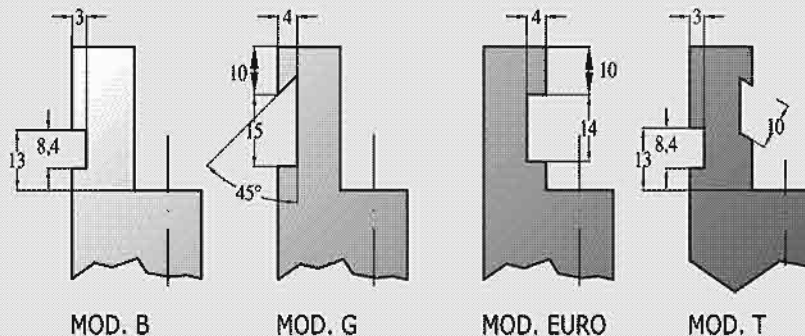
# Die Materialien/The Materials



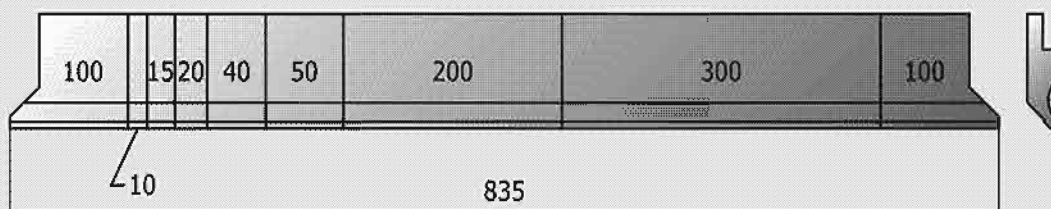
Unsere Werkzeuge werden mit zertifizierten stählen C45 und 42CrMo4 hergestellt. C45 erzielt dank der induktionshärtung-wärmebehandlung an den arbeitsflächen der werkzeuge härtewerte um 54-60 HRC, was ein ausgezeichnetes preis/qualitätsverhältnis garantiert. Vergüteter 42CrMo4 ist ein qualitäts-edelstahl mit ausgezeichneten mechanischen massefestigkeitsmerkmalen  $R=1000-1100 \text{ N/mm}^2$ . Er wird bei besonders stark beanspruchten werkzeugen eingesetzt und kann in den arbeitsbereichen mit einer härte von 52-55 HRC gehärtet werden , wobei eine höhere produktqualität entsteht. Auf wunsch kann eine kernhärtung erfolgen. In diesem fall können härten um 48-50 HRC erreicht werden. Für biegungen auf polyurethanpolstern liefern wir ein qualitäts-polyurethan-elastomer mit 82 SH standardfestigkeit, maße nach katalog. Auf wunsch sind 92 oder 94 SH festigkeiten lieferbar.

Our tools are produced with certified steel C45 and 42CrMo4. Thanks to the induction hardening on the working surfaces of the tools, the steel C45 has a good quality/price ratio, with 54-60 HRC hardness. Austempered 42CrMo4 is a high quality alloyed steel with very good mechanic strength in the mass,  $R=1000-1100 \text{ N/mm}^2$ . Steel 42CrMo4 is used for particular stressed tools and can be hardened on the working surfaces at 52-55 HRC: this allows to get a top quality product. On request, mass-hardening of the tools is possible with a final hardness of 48-50 HRC. Cushion bending is guaranteed by first quality polyurethanic elastomer with 82 SH standard hardness for the indicated measures. On request 92 or 94 SH are available too.

## AUFNAHME / ATTACHEMENTS



## STANDARD TEILUNG/STANDARD SECTIONING



# Adapter und vermittelnd/Adaptors and intermediate

Modell/Model 40.20
-----------------------

Mit diesem maßgeschneiderten sonderwerkzeug kann jede Abkantpressen an die verwendung unserer ausrüstung angepasst werden. Somit wird eine große auswahl an kostengünstigen werkzeugen sichergestellt.

Bei jeder anfrage bitten wir um folgende angaben:

- Gesamthöhe H
- Anschlussgrößen A,B,C,D
- Ob die presse nach P oder P1 drückt
- Länge

This special tool is made of measure on your press-brake, to use our standard tools. This accessory gives you a large choice of bending punches and favourable costs.

For any enquiry, please state:

- Total height H
- Dimension of attachment A,B,C,D
- Whether the press-brake pushes on P or P1
- Length

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model 40.03-F</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model 40.03-F	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model 40.03-C</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model 40.03-C	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model 40.50</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model 40.50	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model SPE 40.01</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model SPE 40.01	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model 40.EXT</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model 40.EXT
Modell/Model 40.03-F									
Modell/Model 40.03-C									
Modell/Model 40.50									
Modell/Model SPE 40.01									
Modell/Model 40.EXT									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model ST41</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model ST41	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model ST41</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model ST41	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model ST42</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model ST42	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model ST43</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model ST43	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Modell/Model ST44</td> </tr> </table> <p style="text-align: center;">Stahl/Steel C45 Länge/Lengths 150 mm</p>	Modell/Model ST44
Modell/Model ST41									
Modell/Model ST41									
Modell/Model ST42									
Modell/Model ST43									
Modell/Model ST44									

# SpeedBlock

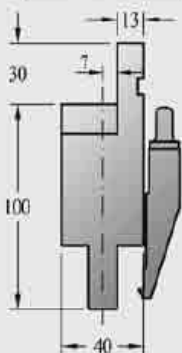
Das neue spannsysteme **SPEEDBLOCK** kann bei allen Abkantpressen eingesetzt werden und macht es durch eine mechanische handbedienung möglich, einrichtungszeiten unter beachtung der sicherheitsnormen einzuhalten.

**SPEEDBLOCK** is the new clamping system for all kinds of press brake. It allows, means of a manual mechanical drive, to save time in set-up respecting the safety rules.



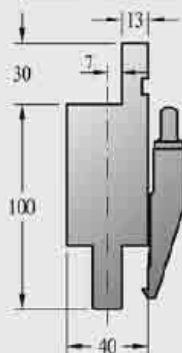
- Schnelles lösen und feststellen der werkzeuge
  - Lasermarkierung mit sicherheitsvorschriften
  - Möglichkeit, mit dem ganzen standard-werkzeugesortiment Amada zu biegen, ohne die bügel zu berühren
  - Verschleißfeste oberflächenhärtung und induktionhärtung in den arbeitsbereichen
  - Zweitelliger bügel zum lösen der werkzeuge bei gleichzeitigem halten mit einer hand
  - Möglichkeit, die werkzeuge durch stellung auf gleitposition zu lösen, ohne dass sturzgefahr besteht
  - Ausklappbarer lösehebel mit gleichzeitiger wirkung auf alle bügel
  - Von den bügeln unabhängige einstellung
- Quick release and hooking of tools
  - Laser marking with safety instructions
  - Possibility to bend with all standard Amada range without touching the clamps
  - Wear resistance surface treatment and induction hardening on working parts
  - Clamps divided in two parts that allows to unhook sectioned pieces, holding them by one hand, only
  - Possibility to release the tools keeping them in sliding position without risk of fall
  - Special integrated foldaway unhooking lever working at the same time on all clamps
  - Clamps independent adjustment

Modell/Model  
40.40-C



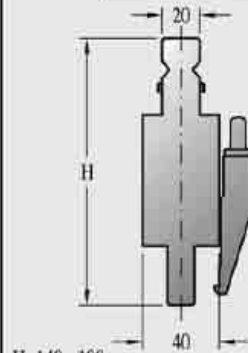
Stahl/Steel C45  
Länge/Lengths  
150 mm

Modell/Model  
40.40-S



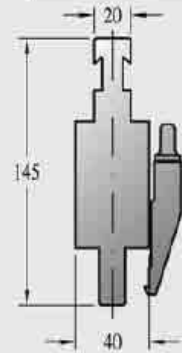
Stahl/Steel C45  
Länge/Lengths  
150 mm

Modell/Model  
40.40-TR



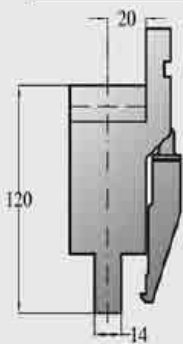
Stahl/Steel C45  
Länge/Lengths  
150 mm

Modell/Model  
40.40-BE



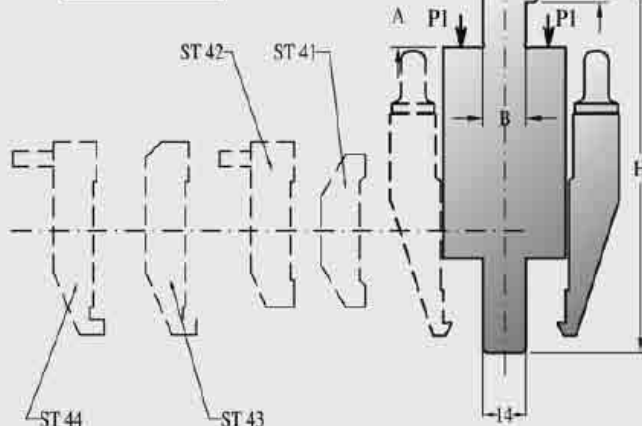
Stahl/Steel C45  
Länge/Lengths  
150 mm

Modell/Model  
40.50



Stahl/Steel C45  
Länge/Lengths  
150 mm

Modell/Model  
40.40-SPEC



Bei jeder Anfrage bitten wir um folgende Angaben:  
- Gesamthöhe H  
- Anschlussgrößen A-B-C-D  
- ob die Presse nach P oder P1 drückt

For any enquiry, please state:  
- Total height H  
- Dimension of attachment A-B-C-D  
- Whether the press-brake pushes on P or P1

# Amada Type Stempel/Punches

Modell/Model	R	H	H1
10.10/90°	0.2	67	97
10.10/90°	0.8	66.7	96.7
10.10/88°	0.2	67	97
10.10/88°	0.8	66.7	96.7
10.10/88°	3.0	65.7	95.7
10.10/85°	0.8	66.6	96.6
10.10/85°	3.0	65.6	95.6

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

100 Ton/m

Modell/Model	R	H	H1
10.116/90°	0.2	67	97
10.116/88°	0.2	67	97

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

35 Ton/m

Modell/Model	R	H	H1
10.00/88°	0.8	105	135
10.00/85°	0.8	105	135

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

100 Ton/m

Modell/Model	R	H	H1
10.201/90°	0.2	70	100
10.200/88°	0.2	70	100
10.200/88°	0.8	69.7	99.7

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

50 Ton/m

Modell/Model	R	H	H1
10.203/90°	0.2	100	130
10.202/88°	0.2	100	130
10.202/88°	0.8	99.7	129.7

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

50 Ton/m

Modell/Model	R	H	H1
10.14/90°	0.2	90	120
10.14/90°	0.8	89.7	119.7
10.14/88°	0.2	90	120
10.14/88°	0.8	89.7	119.7
10.14/88°	3.0	88.7	118.7

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

70 Ton/m



# Amada Type Stempel/Punches

Modell/Model	R	H	H1
10.146/90°	0.2	90	120
10.146/90°	0.8	89.7	119.7
10.146/88°	0.2	90	120
10.146/88°	0.8	89.7	119.7

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

50 Ton/m

Modell/Model	R	H	H1
10.15/90°	0.2	105	135
10.15/90°	0.8	104.7	134.7
10.15/88°	0.2	105	135
10.15/88°	0.8	104.7	134.7
10.15/88°	3.0	103.7	133.7

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

50 Ton/m

Modell/Model	R	H	H1
10.048/90°	0.2	120	150
10.048/90°	0.8	119.7	149.7
10.047/88°	0.2	120	150
10.047/88°	0.8	119.7	149.7

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

50 Ton/m

Modell/Model	R	H	H1
10.15-Back	0.8	105	135

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

50 Ton/m

Modell/Model	R	H	H1
10.049/88°	0.8	160	190

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

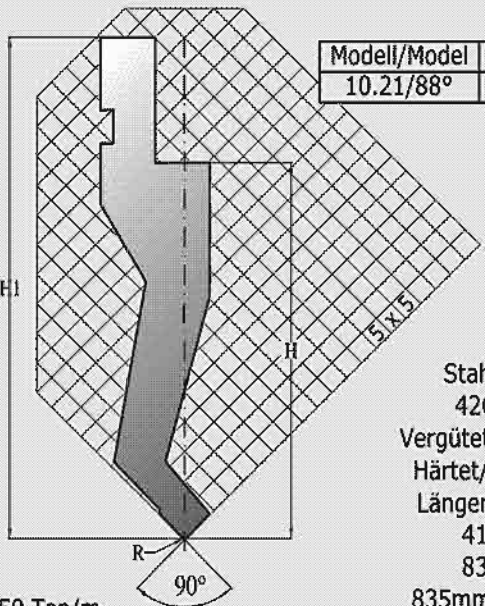
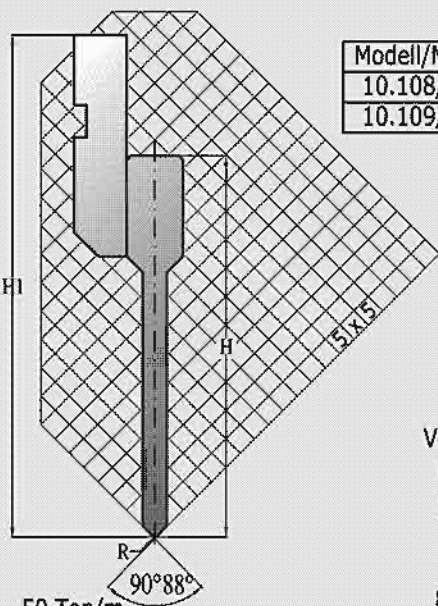
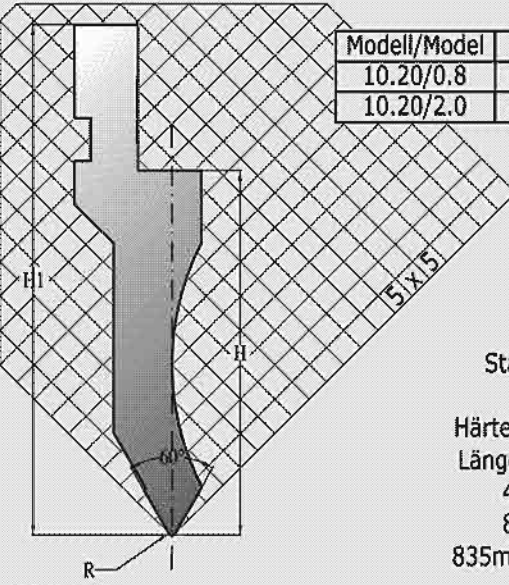
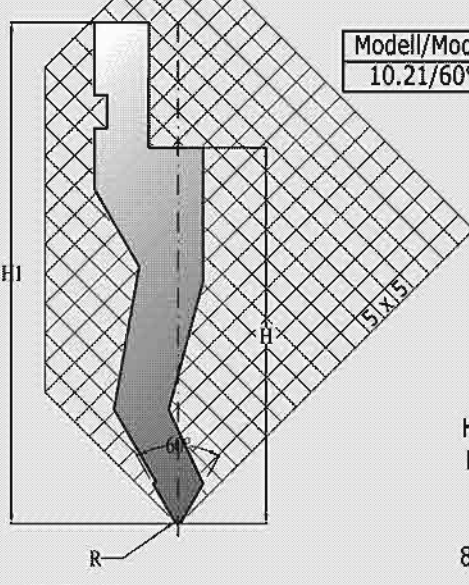
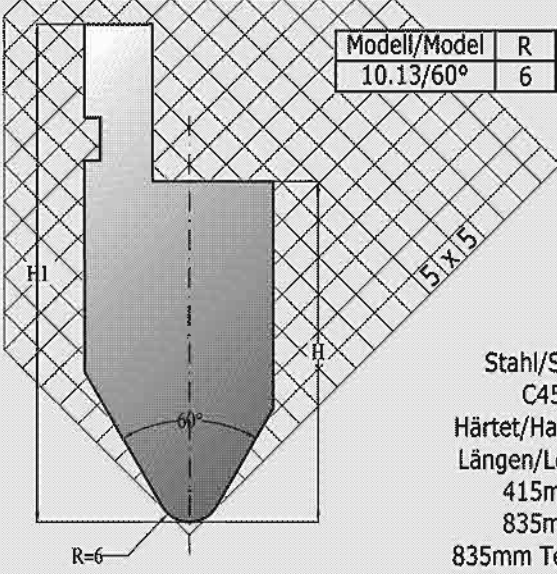
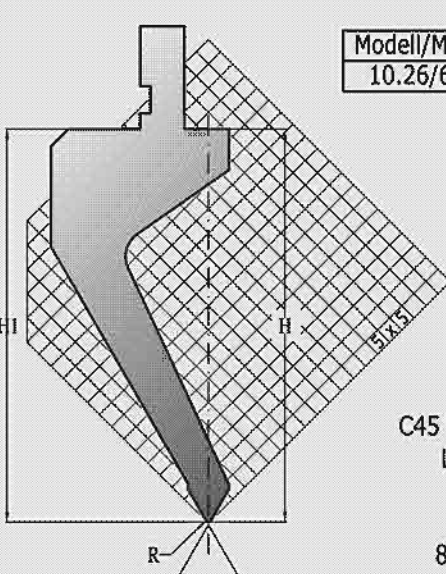
60 Ton/m

Modell/Model	R	H	H1
10.16/90°	0.2	84	114
10.16/88°	0.2	84	114

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

20 Ton/m

# Amada Type Stempel/Punches

 <p>Modell/Model   R   H   H1 10.21/88°   0.8   90   120</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 415mm 835mm 835mm Teil/Sect</p> <p>50 Ton/m</p>	 <p>Modell/Model   R   H   H1 10.108/90°   0.2   95   125 10.109/88°   0.2   95   125</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 415mm 835mm 835mm Teil/Sect</p> <p>50 Ton/m</p>
 <p>Modell/Model   R   H   H1 10.20/0.8   0.8   75   105 10.20/2.0   2.0   73.8   103.8</p> <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415mm 835mm 835mm Teil/Sect</p> <p>80 Ton/m</p>	 <p>Modell/Model   R   H   H1 10.21/60°   0.8   90   120</p> <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415mm 835mm 835mm Teil/Sect</p> <p>60 Ton/m</p>
 <p>Modell/Model   R   H   H1 10.13/60°   6   65   95</p> <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415mm 835mm 835mm Teil/Sect</p> <p>100 Ton/m</p>	 <p>Modell/Model   R   H   H1 10.26/60°   0.8   115   145</p> <p>Stahl/Steel C45 Vergütet/Tempered Längen/Lengths 415mm 835mm 835mm Teil/Sect</p> <p>40 Ton/m</p>

# Amada Type Stempel/Punches

Modell/Model	R	H	H1
10.11/45°	1	65	95
10.11/35°	0.8	67	97

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

70 Ton/m

Modell/Model	R	H	H1
10.12/30°	0.8	90	120
10.12/30°	2	86.5	116.5
10.12/35°	0.8	90	120
10.12/35°	2	87.2	117.2
10.12/35°	3	84.8	114.8

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

100 Ton/m

Modell/Model	R	H	H1
10.13/35°	5	65	95

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

100 Ton/m

Modell/Model	R	H	H1
10.17/35°	0.8	85	115

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

100 Ton/m

Modell/Model	R	H	H1	$\alpha$
10.210/30°	0.8	104	134	30°
10.210/30°	2	100,5	130,5	30°
10.210/26°	0.8	104	134	26°

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

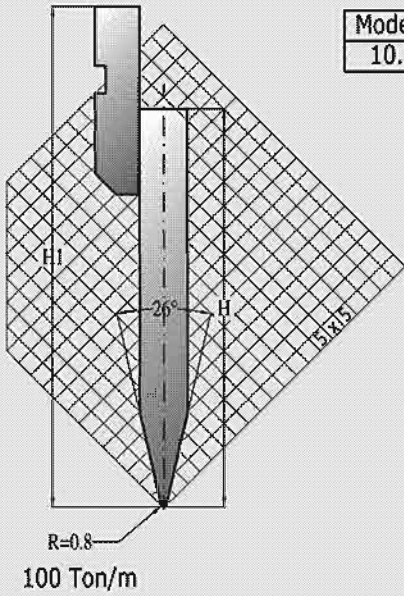
100 Ton/m

Modell/Model	R	H	H1
10.103/30°	0.8	67	97

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect

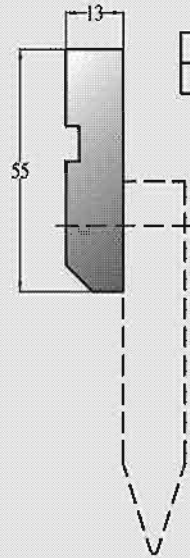
100 Ton/m

# Amada Type Stempel/Punches



Modell/Model	R	H	H1
10.18/26°	0.8	117	147

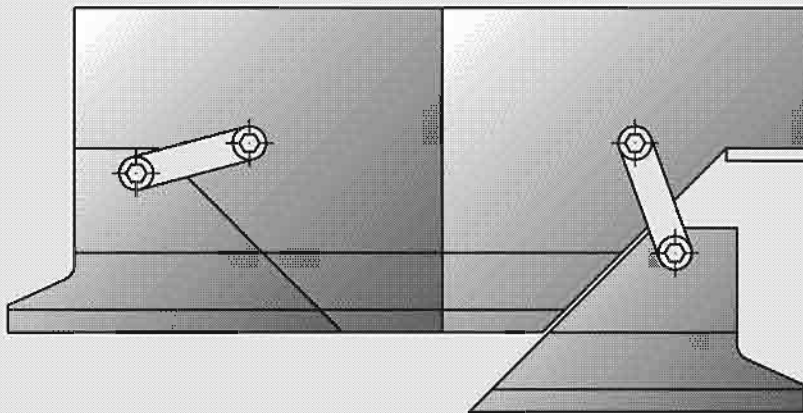
Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm  
835mm Teil/Sect



Modell/Model
40.08

Stahl/Steel  
C45  
Geschliffen/Grind  
Längen/Lengths  
412mm  
830mm

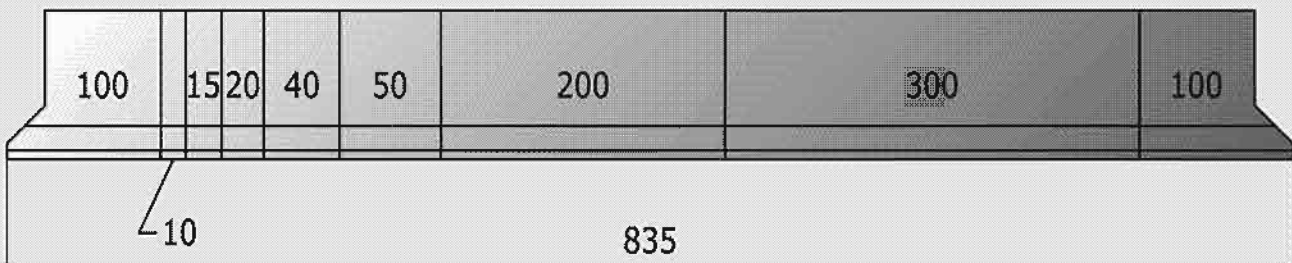
## BEWEGLICHES HORN / MOVING HORNS



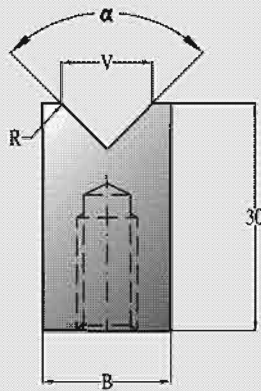
Verfügbar für alle  
modelle 10.10

Available on all  
model 10.10

## TEILUNG STANDARD/STANDARD SECTIONING



# Amada Type Matrizen/Dies

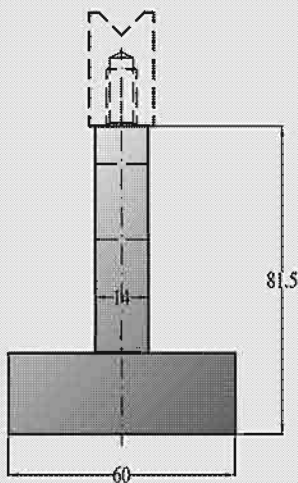


Modell/Model  
320

Modello	V	α	R	B
320/90°	6	90°	1.5	14
321/90°	8	90°	1.5	14
323/90°	10	90°	2	15
324/90°	12	90°	2.5	17
320/88°	6	88°	1.5	14
321/88°	8	88°	1.5	14
322/88°	10	88°	2	15
326/88°	12	88°	2.5	17
325/88°	14	88°	2.5	18

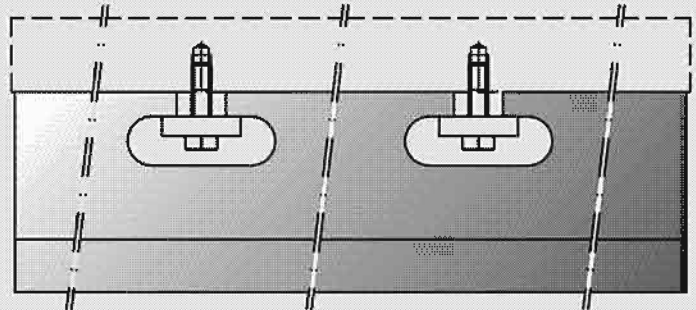
Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm

95 T/m

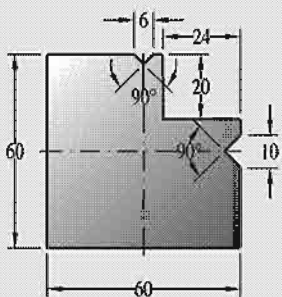


Modell/Model  
330

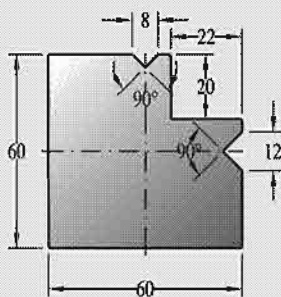
Stahl/Steel  
C45  
Geschliffen/Ground  
Längen/Lengths  
412mm  
830mm



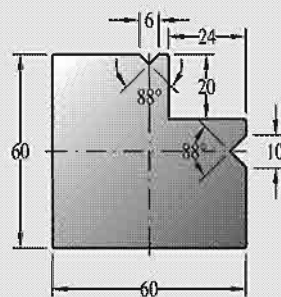
Modell/Model 80  
20.16/90° Ton/m



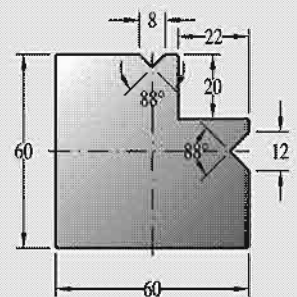
Modell/Model 80  
20.17/90° Ton/m



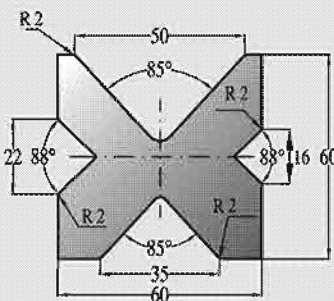
Modell/Model 80  
20.16/88° Ton/m



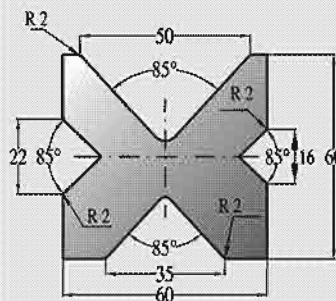
Modell/Model 80  
20.17/88° Ton/m



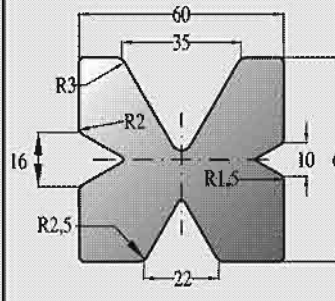
Modell/Model 80  
20.09 Ton/m



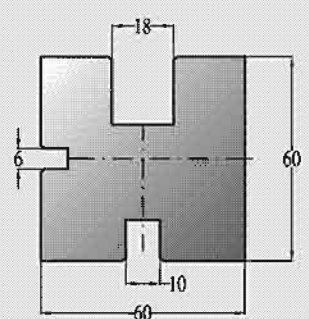
Modell/Model 80  
20.09/85° Ton/m



Modell/Model 60  
20.09/60° Ton/m

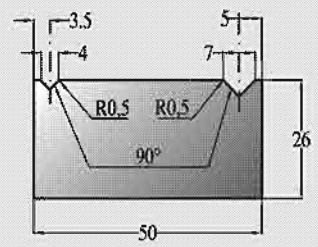
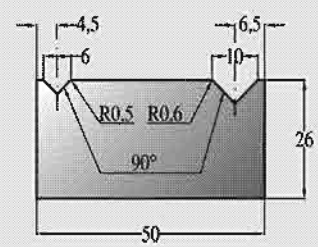
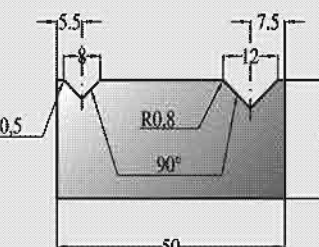
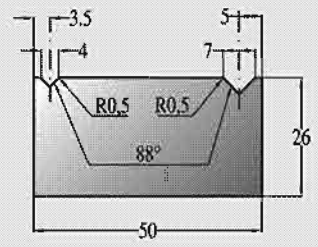
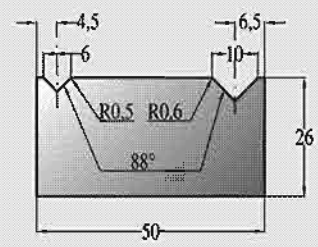
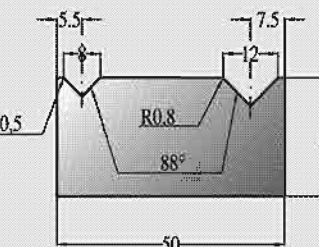
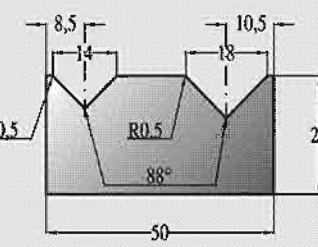
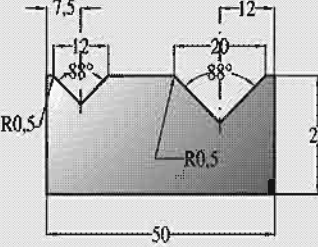
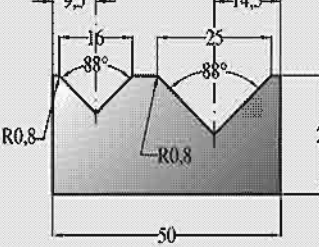
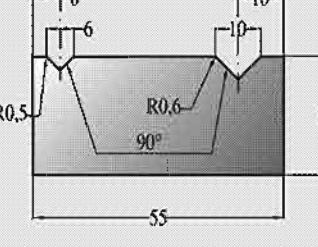
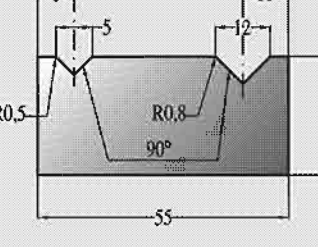
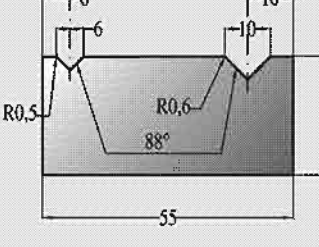


Modell/Model 100  
20.08 Ton/m

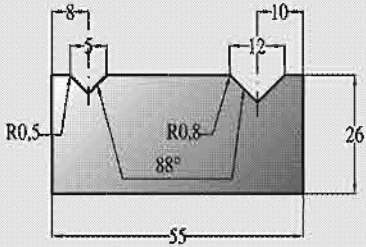
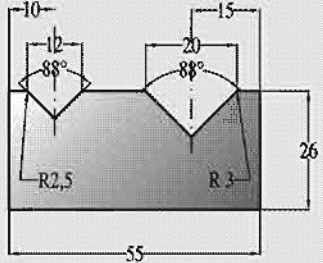
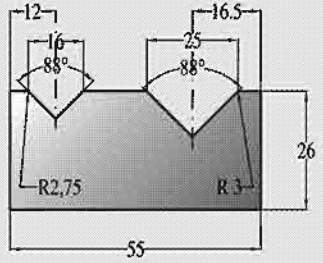
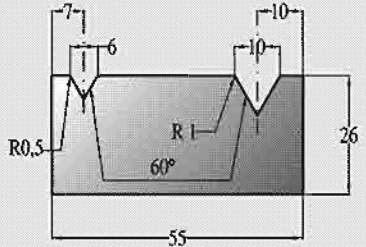
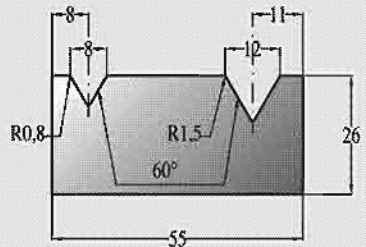
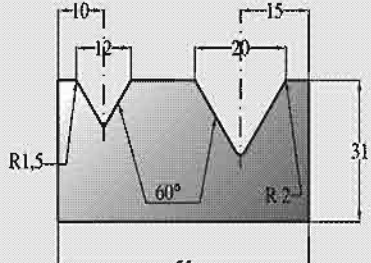
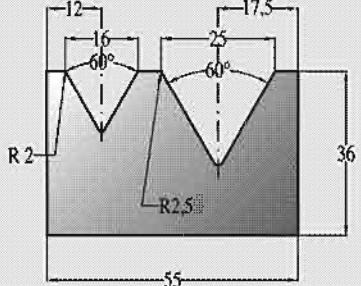
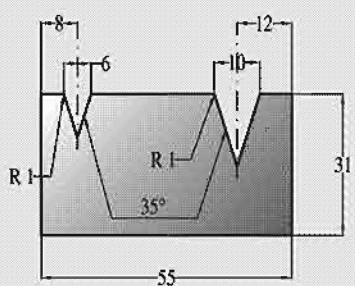
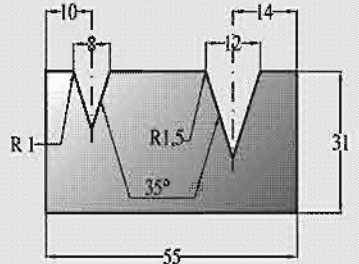
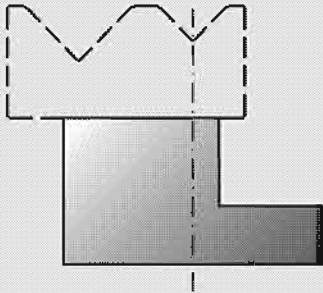
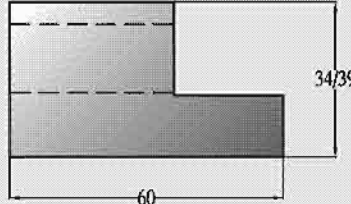
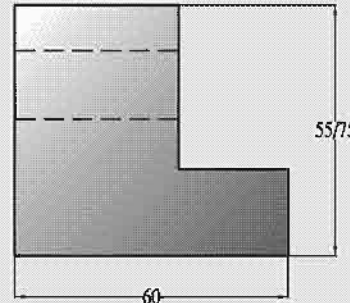


Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415mm 835mm 835mm Teil/Seet

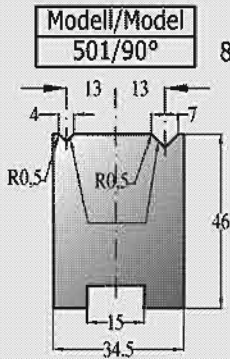
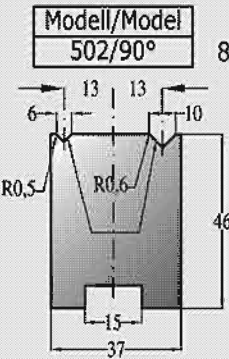
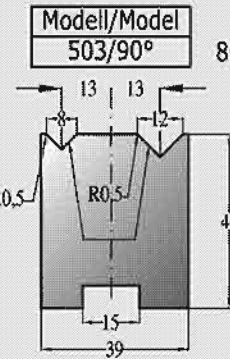
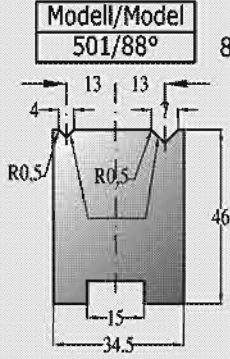
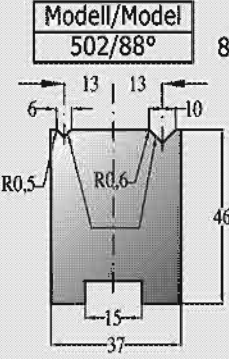
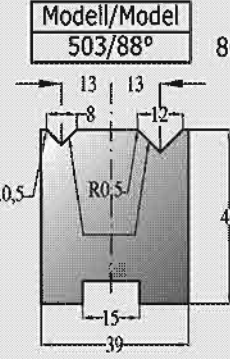
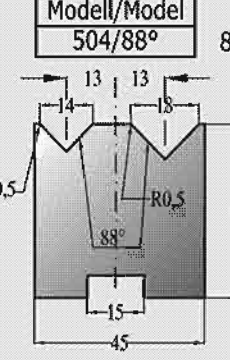
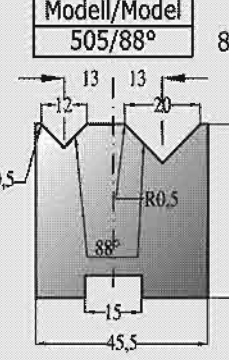
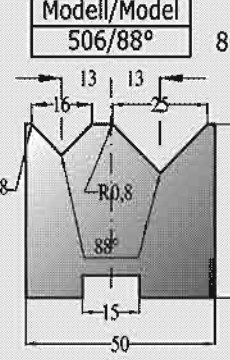
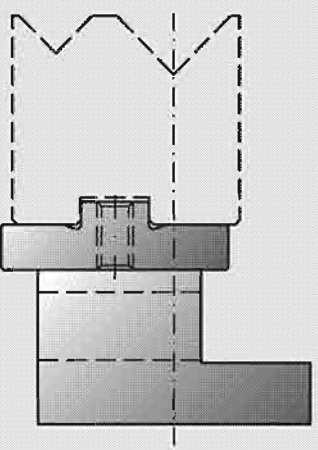
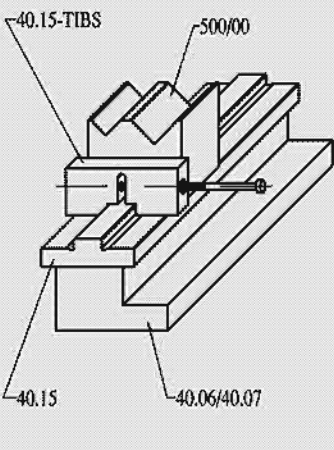
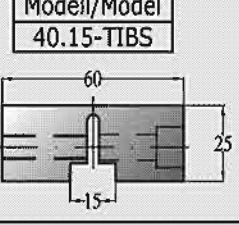
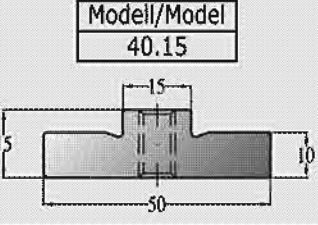
# Amada Type Matrizen/Dies

<p>Modell/Model 121/90° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 123/90° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 124/90° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>
<p>Modell/Model 121/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 123/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 124/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>
<p>Modell/Model 125/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 126/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 127/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>
<p>Modell/Model 20.12/90° 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.13/90° 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.12/88° 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>

# Amada Type Matrizen/Dies

<p>Modell/Model 20.13/88° 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.14/88° 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.15/88° 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>
<p>Modell/Model 20.12/60° 70 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.13/60° 70 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.14/60° 70 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>
<p>Modell/Model 20.15/60° 70 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.12/35° 70 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 20.13/35° 70 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm</p>
	<p>Modell/Model 40.06/36 40.06/39</p> 	<p>Modell/Model 40.07/55 40.07/75</p> 

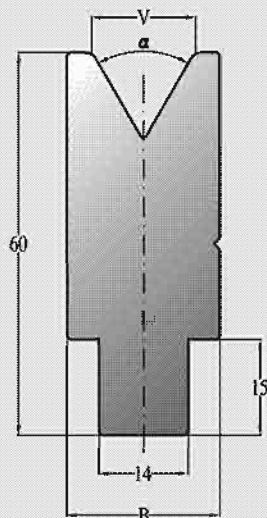
# Amada Type Matrizen/Dies

<p>Modell/Model 501/90° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 502/90° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 503/90° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>
<p>Modell/Model 501/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 502/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 503/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>
<p>Modell/Model 504/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 505/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 506/88° 80 Ton/m</p>  <p>Stahl/Steel 42CrMo4 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>
		<p>Modell/Model 40.15-TIBS</p>  <p>Modell/Model 40.15</p> 



# Amada Type Matrizen/Dies

Modell/Model  
70.00



Stahl/Steel C45 Härtet/Hardened  
Längen/Lengths  
415 mm 835 mm 835 mm Fraz/Sect

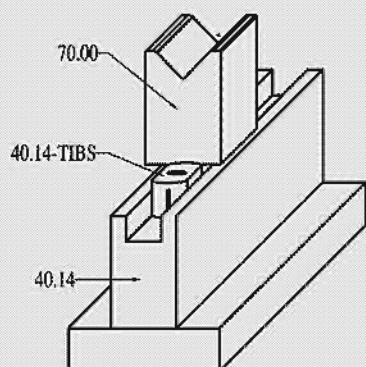
Mod.	V	$\alpha$	R	B	T/m
70.90	6	90°	1.5	14	100
71.90	8	90°	1.5	14	100
73.90	10	90°	2	15	100
75.90	12	90°	2.5	17	100

70.88	6	88°	1.5	14	100
71.88	8	88°	1.5	14	100
72.88	10	88°	2	15	100
74.88	12	88°	2.5	17	100
76.88	14	88°	2.5	18	100
77.88	16	88°	2.5	24	100
78.88	18	88°	2.5	28	100
79.88	20	88°	3	30	100
80.88	25	88°	3	35	100

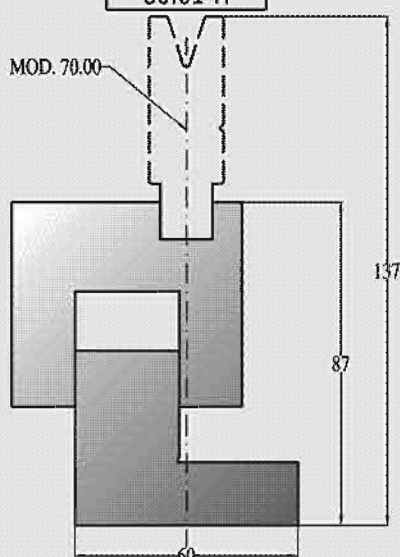
70/60	6	60°	0.5	15	70
71.60	8	60°	0.5	16	70
73.60	10	60°	1	18	70
75.60	12	60°	1.5	18	70
77.60	16	60°	2	24	70
78.60	18	60°	2	28	70
79.60	20	60°	2	30	70
80.60	25	60°	3	38	70

70.45	6	45°	0.8	16	70
71.45	8	45°	1	18	70
73.45	10	45°	1	20	70
75.45	12	45°	1	24	70
77.45	16	45°	1.5	28	70
79.45	20	45°	2	32	70
80.45	25	45°	2.5	40	70

70.35	6	35°	1	16	70
71.35	8	35°	1	18	70
73.35	10	35°	1	20	70
75.35	12	35°	1.5	24	70
77.35	16	35°	2	30	70
79.35	20	35°	2	35	70

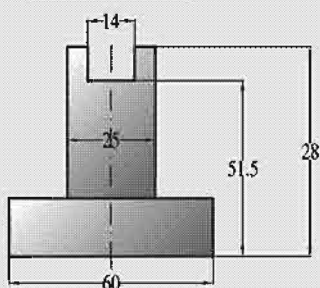


Modell/Model  
30.01-H



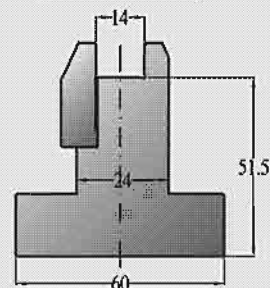
Stahl/Steel C45 Härtet/Hardened  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.14



Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths 415,835,1050,1250 mm

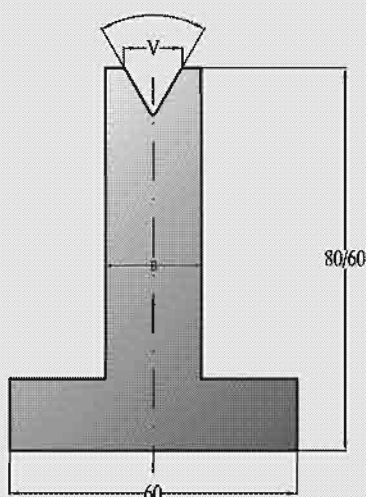
Modell/Model  
40.13



Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths 415 mm 835 mm

# Amada Type Matrizen/Dies

Modell/Model  
20.40



Stahl/Steel C45 Härtet/Hardened  
Längen/Lengths  
415 mm 835 mm 835 mm Teil/Sect

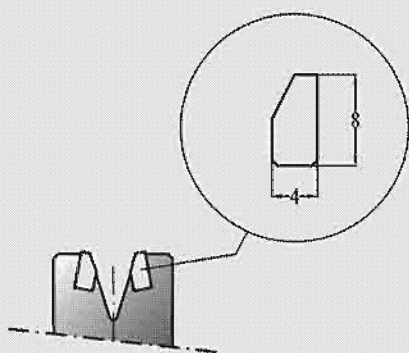
90°

Modello	V	$\alpha$	R	B	T/m
20.41/90°	6	90°	0.5	14	100
20.42/90°	8	90°	0.5	14	100
20.43/90°	10	90°	0.6	18	100
20.44/90°	12	90°	0.8	18	100

88°

20.41/88°	6	88°	0.5	14	100
20.42/88°	8	88°	0.5	14	100
20.43/88°	10	88°	0.6	18	100
20.44/88°	12	88°	0.8	18	100
20.45/88°	16	88°	2.5	24	100
20.46/88°	20	88°	3	30	100
20.47/85°	25	85°	3	35	100

Modell/Model  
20.30-T



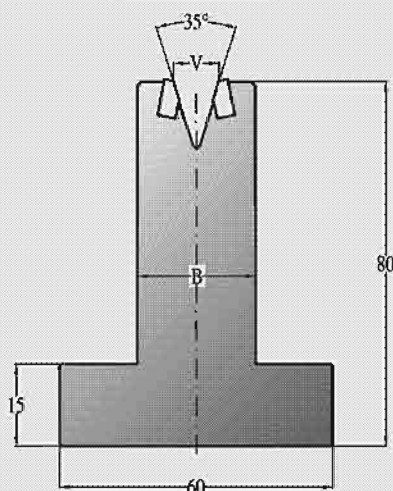
60°

20.41/60°	6	60°	0.5	14	60
20.42/60°	8	60°	0.8	16	70
20.43/60°	10	60°	1	18	70
20.44/60°	12	60°	1.5	20	70
20.45/60°	16	60°	2	26	70
20.46/60°	20	60°	2	30	70

35°

20.41/35°	6	35°	1	16	50
20.42/35°	8	35°	1	18	50
20.43/35°	10	35°	1	20	50
20.44/35°	12	35°	1.5	24	50
20.45/35°	16	35°	2	30	50
20.46/35°	20	35°	2	35	50

Modell/Model  
20.30



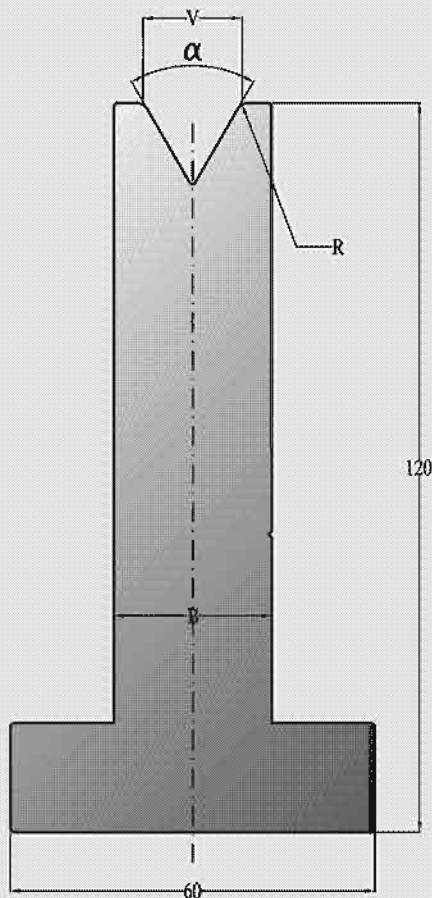
35°

Modello	V	$\alpha$	R	B	T/m
20.30/35°	5	35°	1	19	30
20.32/35°	8	35°	1	24	30
20.33/35°	10	35°	1	26	30
20.34/35°	12	35°	1.5	28	30
20.35/35°	16	35°	2	33	30
20.36/35°	20	35°	2	37	30

Stahl/Steel C45 Geschliffen/Grind  
Ersetzbare beilage aus plastik/Replaceable plastic insert  
Längen/Lengths 415 mm 835 mm  
835 mm Teil/Sect (400,200,100,50,40,25,20)

# Amada Type Matrizen/Dies

Modell/Model  
20.40



Stahl/Steel C45 Härtet/Hardened  
Längen/Lengths  
415 mm 835 mm 835 mm Teil/Sect

90°

Modello	V	α	R	B	T/m
20.41/90°	6	90°	0.5	14	100
20.42/90°	8	90°	0.5	14	100
20.43/90°	10	90°	0.6	18	100
20.44/90°	12	90°	0.8	18	100

88°

20.41/88°	6	88°	0.5	14	100
20.42/88°	8	88°	0.5	14	100
20.43/88°	10	88°	0.6	18	100
20.44/88°	12	88°	0.8	18	100
20.45/88°	16	88°	2.5	24	100
20.46/88°	20	88°	3	30	100
20.47/85°	25	85°	3	35	100

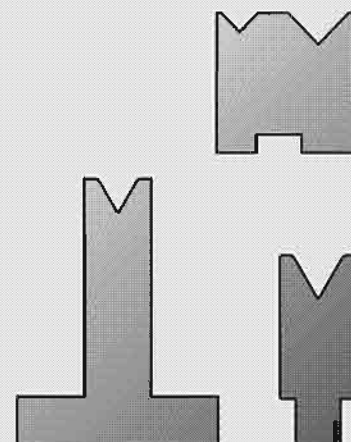
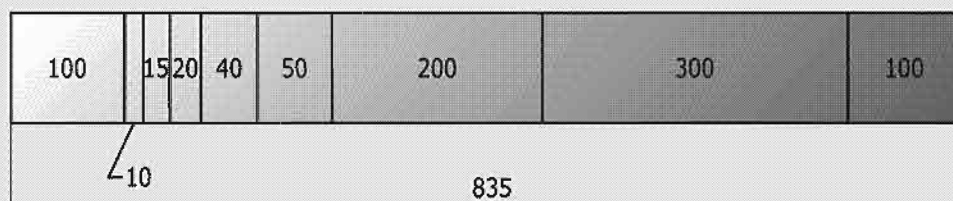
60°

20.41/60°	6	60°	0.5	14	60
20.42/60°	8	60°	0.8	16	70
20.43/60°	10	60°	1	18	70
20.44/60°	12	60°	1.5	20	70
20.45/60°	16	60°	2	26	70
20.46/60°	20	60°	2	30	70

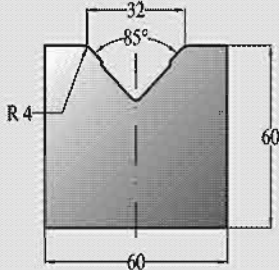
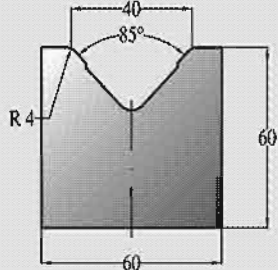
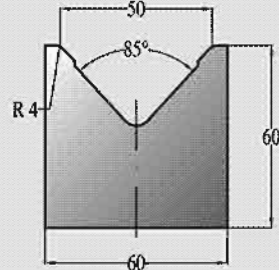
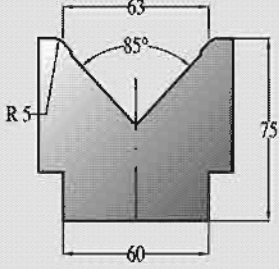
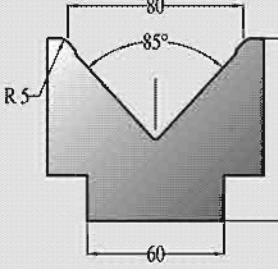
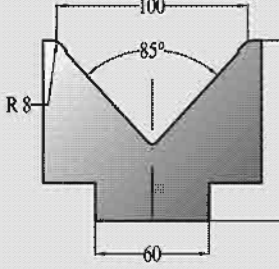
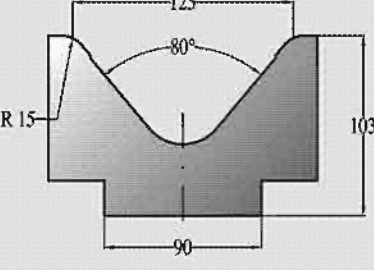
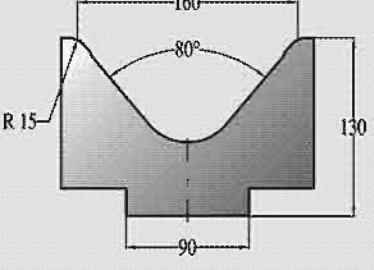
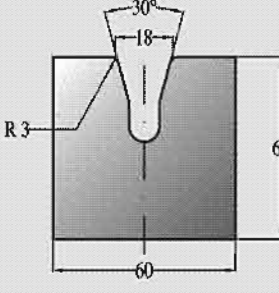
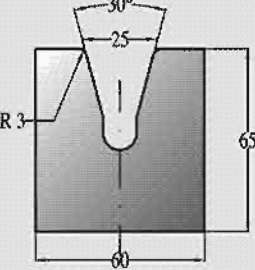
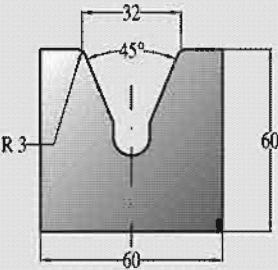
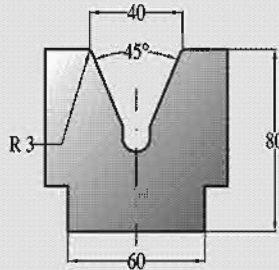
35°

20.41/35°	6	35°	1	16	50
20.42/35°	8	35°	1	18	50
20.43/35°	10	35°	1	20	50
20.44/35°	12	35°	1.5	24	50
20.45/35°	16	35°	2	30	50
20.46/35°	20	35°	2	35	50

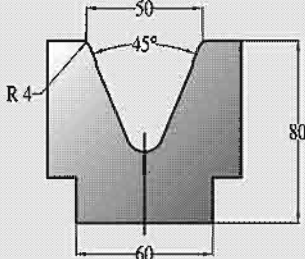
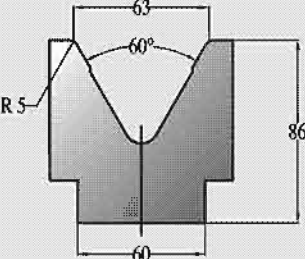
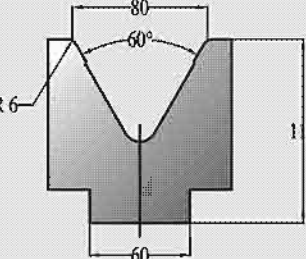
STANDARD TEILUNG 835mm  
STANDARD SECTIONING 835mm

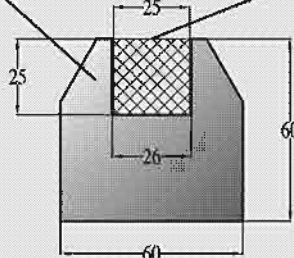
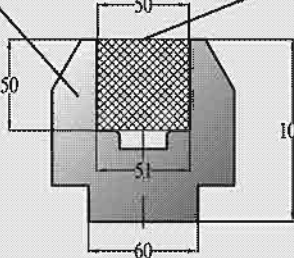


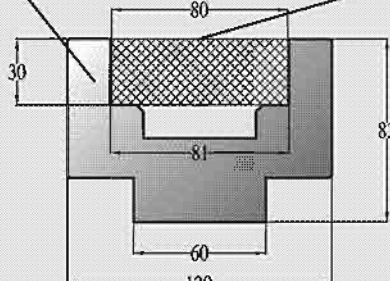
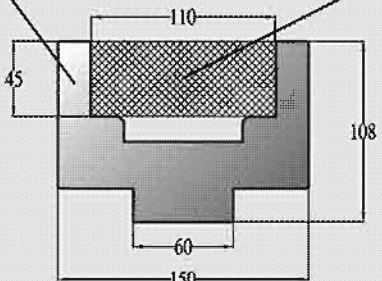
# Amada Type Matrizen/Dies

<p>Modell/Model 20.11/32 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 20.11/40 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 20.11/50 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>
<p>Modell/Model 20.11/63 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 20.11/80 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 20.11/100 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>
<p>Modell/Model 20.11/125 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 20.11/160 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 340 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>
<p>Modell/Model 341 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 342 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>	<p>Modell/Model 343 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm 835 mm Teil/Sect</p>

# Amada Type Matrizen/Dies

<p>Modell/Model 344 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm (teit zu anfrage/sect. on demand)</p>	<p>Modell/Model 345 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm (teit zu anfrage/sect. on demand)</p>	<p>Modell/Model 346 100 Ton/m</p>  <p>Stahl/Steel C45 Härtet/Hardened Längen/Lengths 415 mm 835 mm (teit zu anfrage/sect. on demand)</p>
---	---	---

<p>Modell/Model 60.1</p>  <p>Matrize in stahl C45/Die steel C45 Kissen in polyurethan/Polyurethane cushion Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 61.1</p>  <p>Matrize in stahl C45/Die steel C45 Kissen in polyurethan/Polyurethane cushion Längen/Lengths 415 mm 835 mm</p>
--	--

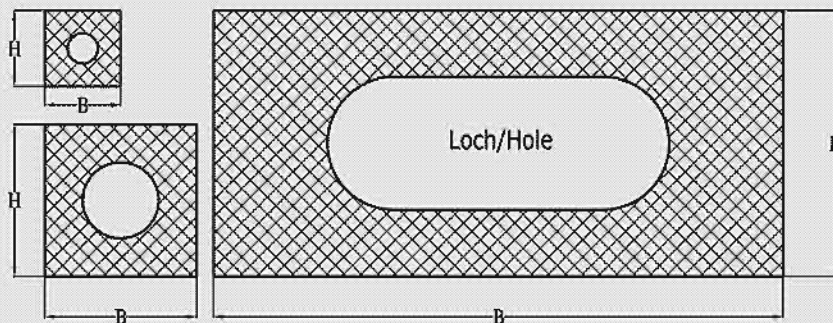
<p>Modell/Model 60.4</p>  <p>Matrize in stahl C45/Die steel C45 Kissen in polyurethan/Polyurethane cushion Längen/Lengths 415 mm 835 mm</p>	<p>Modell/Model 61.4</p>  <p>Matrize in stahl C45/Die steel C45 Kissen in polyurethan/Polyurethane cushion Längen/Lengths 415 mm 835 mm</p>
--	---

Zu verlangt, es ist verfügbare besondere gelochte Kissen, in die folgenden Maße

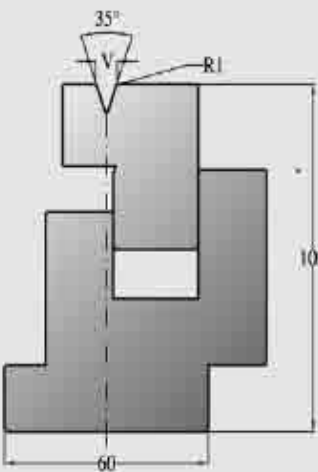
Modell/Model  
61.SPEC

Special perforated cushion are available too, in following measures:

B	H	Foro/Hole
25	25	Diam. 10
50	50	Diam. 25
75	50	45x20
100	50	60x20
150	70	90x35
200	100	135x45
235	105	170x50



# Amada Type Falzen (Vor- und Zudrücken)/Hemming tools

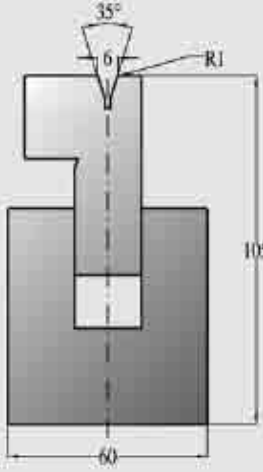


35°  
V  
R1  
102  
60

Modell/Model	V
30.01/6-35°	6
30.01/8-35°	8

60 Ton/m

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm

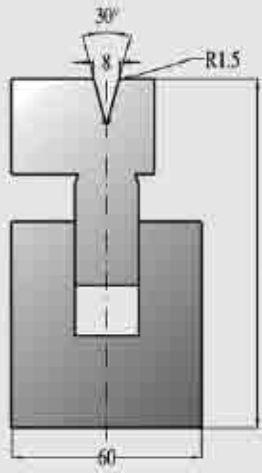


35°  
6  
R1  
105  
60

Modell/Model
30.02/6-35°

80 Ton/m

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm

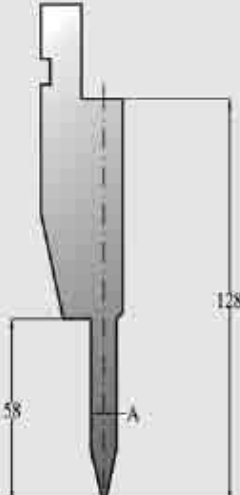


30°  
8  
R1.5  
110  
60

Modell/Model
30.02/8-30°

80 Ton/m

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm

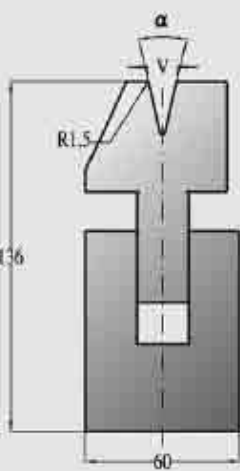


128  
58  
A

Modell/Model	A
30.01 P8	8
30.01 P10	10
30.01 P12	12

80 Ton/m

Stahl/Steel  
42CrMo4  
Härtet/Hardened  
Längen/Lengths  
415mm 835mm  
835 mm Teil/Sect

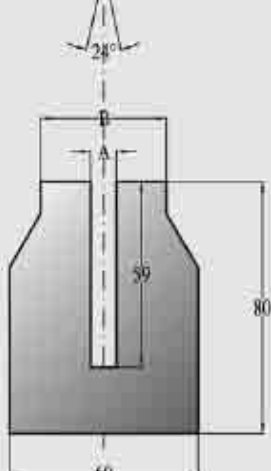


$\alpha$   
V  
R1.5  
136  
60

Modell/Model	V	$\alpha$
30.01/10-35°	10	35°
30.01/12-35°	12	35°
30.01/10-26°	10	26°
30.01/12-26°	12	26°

100 Ton/m

Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm



24°  
A  
B  
59  
80  
60

Modell/Model	A	B
30.01-M8	8	40
30.01 M10	10	44
30.01 M12	12	46

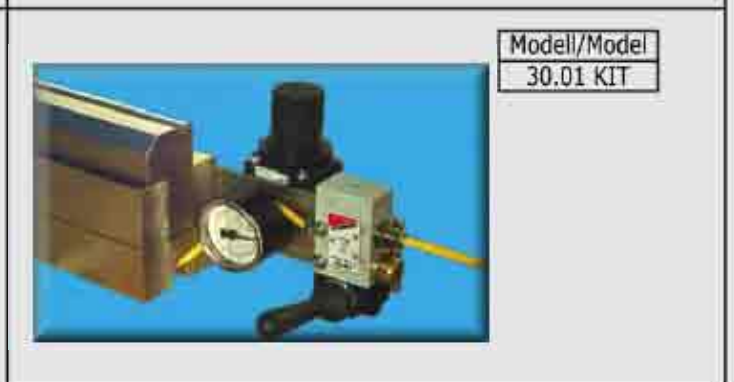
50 Ton/m

Stahl/Steel  
42CrMo4  
Härtet/Hardened  
Längen/Lengths  
415mm 835mm  
835 mm Teil/Sect

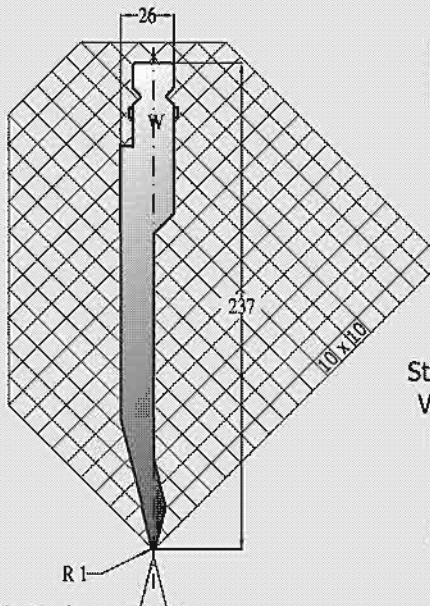
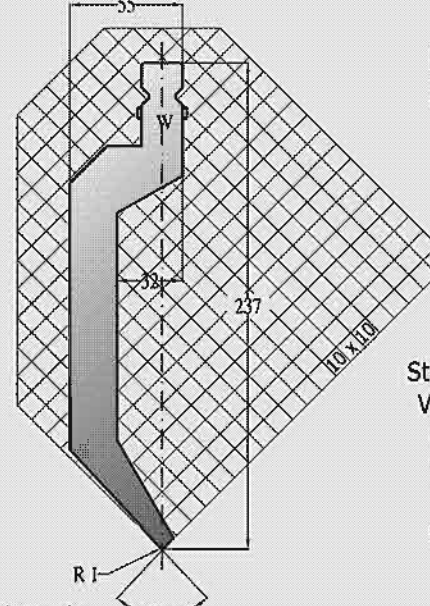
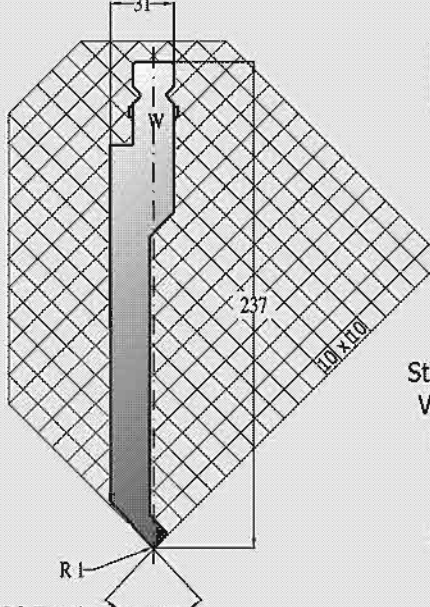
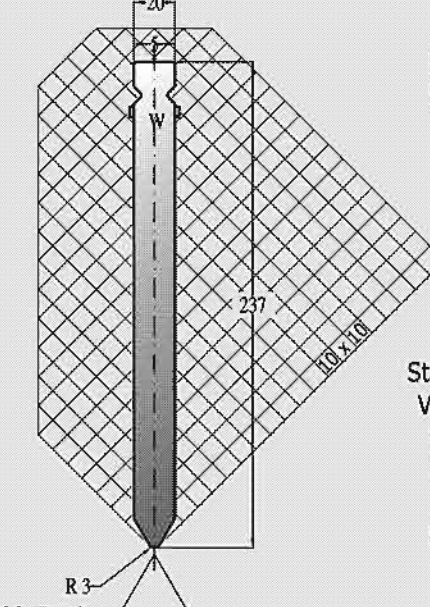
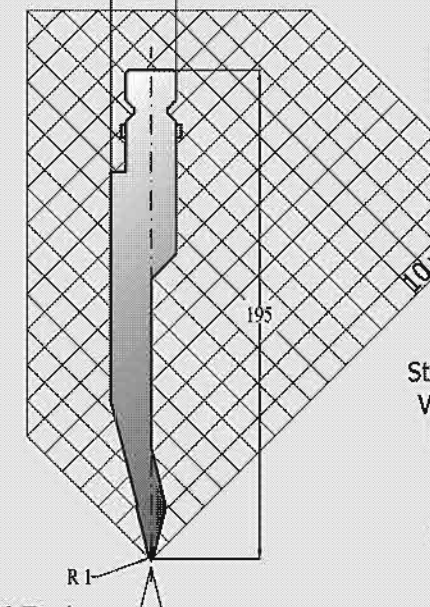
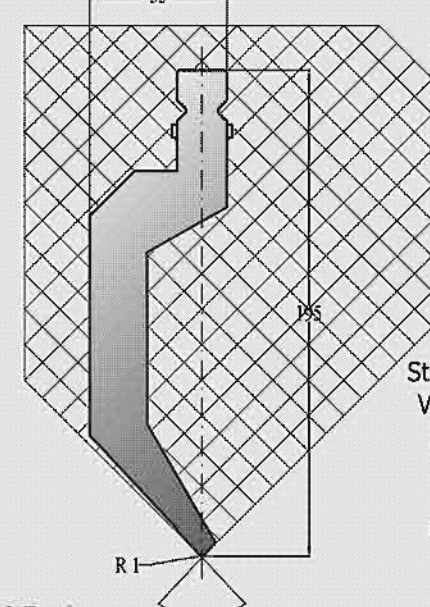
**30.01/30.02**  
**PNEUMATISCH/PNEUMATIC**

Auf Anfrage steht die ganze Serie der Modelle 30.01 und 30.02 mit Pneumatisch oder Handsteuerung zur Verfügung. Anßerdem können die selbe Modelle, mit dem von der Abkantpresse CNC gesteuerten Elektroventil, geliefert werden.

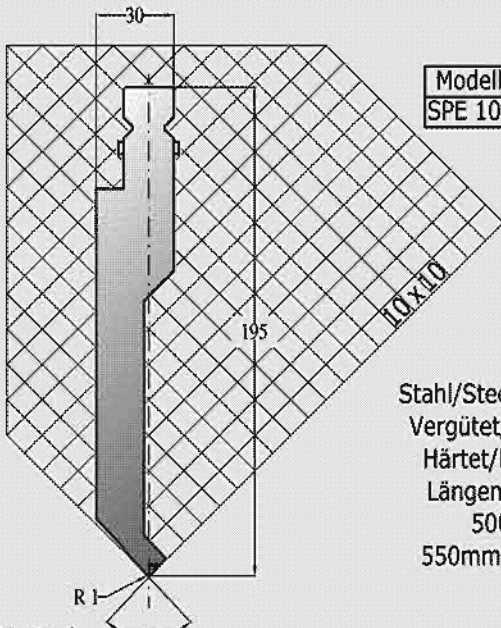
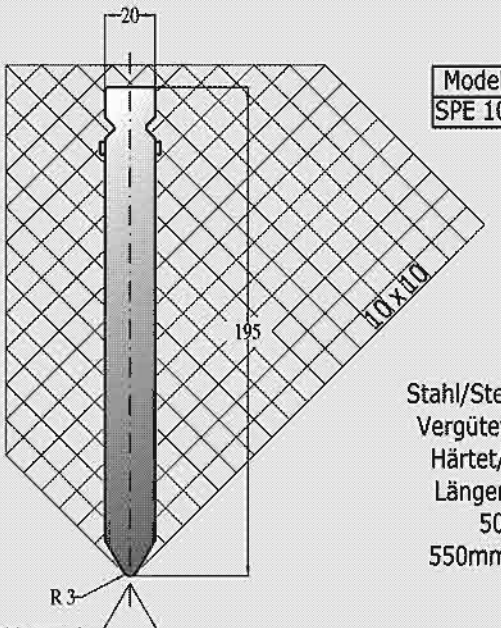
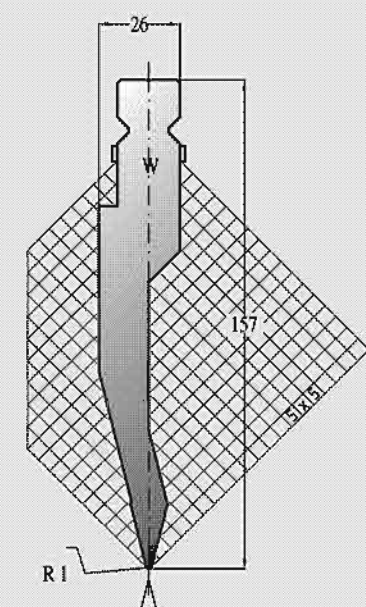
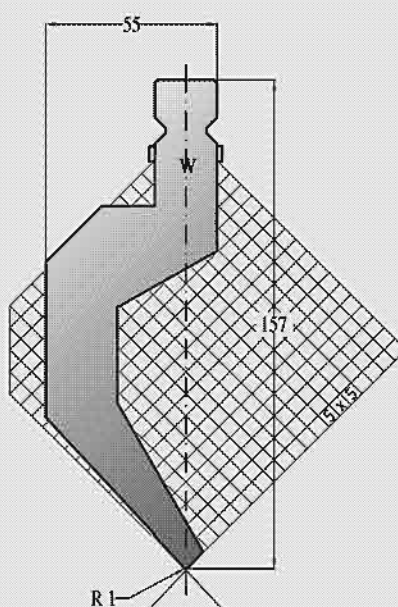
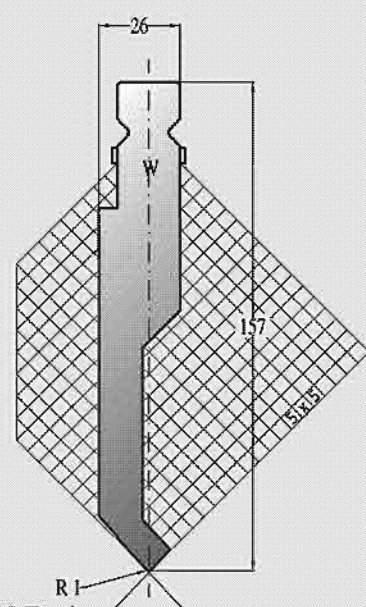
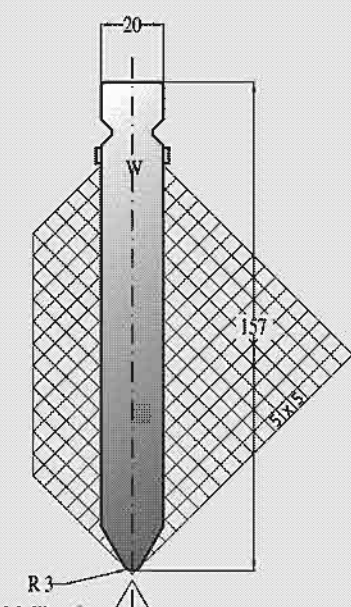
On request, the whole range of mod. 30.01 and 30.02 is available with pneumatic drive, manual drive or with solenoid valve controlled by the cnc of the press-brake.



# Speedline-Trumpf Stempel/Punches

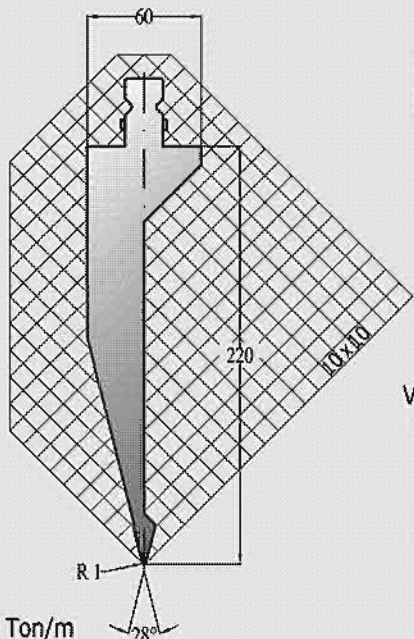
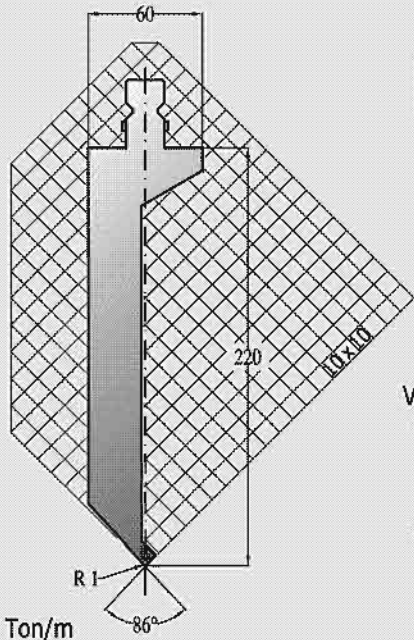
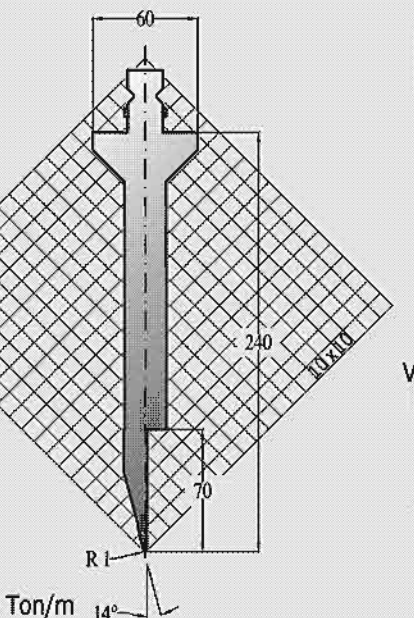
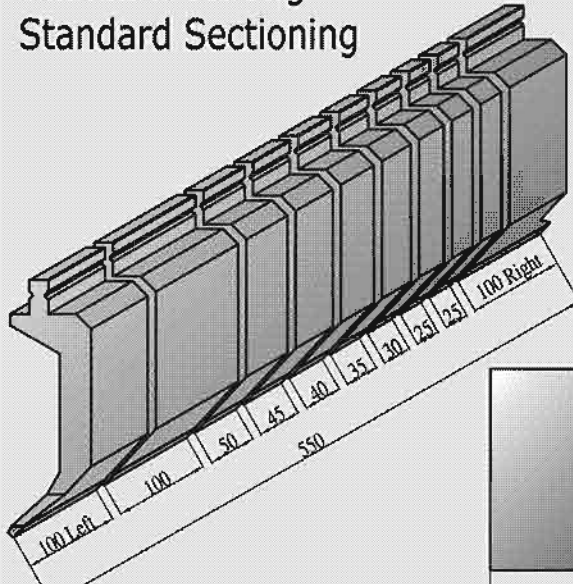
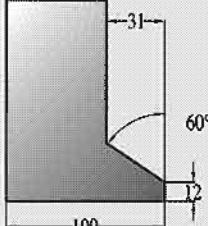
 <p>Modell/Model SPE 10.61/28°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>80 Ton/m</p>	 <p>Modell/Model SPE 10.62/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>40 Ton/m</p>
 <p>Modell/Model SPE 10.67/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>100 Ton/m</p>	 <p>Modell/Model SPE 10.63/60°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>100 Ton/m</p>
 <p>Modell/Model SPE 10.71/28°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>80 Ton/m</p>	 <p>Modell/Model SPE 10.72/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>40 Ton/m</p>

# Speedline-Trumpf Stempel/Punches

 <p>30 195 10 x 10 R 1 86° 100 Ton/m</p>	<p>Modell/Model SPE 10.74/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sept</p>	 <p>20 195 10 x 10 R 3 60° 100 Ton/m</p>	<p>Modell/Model SPE 10.73/60°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sept</p>
 <p>26 157 5 x 5 R 1 28° 80 Ton/m</p>	<p>Modell/Model SPE 10.64/28°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sept</p>	 <p>55 157 5 x 5 R 1 86° 40 Ton/m</p>	<p>Modell/Model SPE 10.65/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sept</p>
 <p>26 157 5 x 5 R 1 86° 100 Ton/m</p>	<p>Modell/Model SPE 10.67/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sept</p>	 <p>20 157 5 x 5 R 3 60° 100 Ton/m</p>	<p>Modell/Model SPE 10.66/60°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sept</p>



# Speedline-Trumpf Stempel/Punches

 <p>60 220 10x10 R 1 28° 80 Ton/m</p>	<p>Modell/Model SPE 10.75/28°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p>	 <p>60 220 10x10 R 1 86° 50 Ton/m</p>	<p>Modell/Model SPE 10.76/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>Modell/Model SPE 10.77/86°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p>Modell/Model SPE 10.78/60°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p>
 <p>60 240 10x10 70 R 1 14° 40 Ton/m</p>	<p>Modell/Model SPE 10.79/28°</p> <p>Stahl/Steel 42CrMo4 Vergütet/Tempered Härtet/Hardened Längen/Lengths 500mm 550mm Teil/Sect</p> <p><b>Standard Teilung Standard Sectioning</b></p>  <p>100 Left 100 50 45 40 35 30 25 25 100 Right</p>  <p>31 60° 12 100</p>		

# Speedline Stempel/Speedline Punches

Modell/Model	A	B
SPE 30.01-P8	8	25
SPE 30.01-P10	10	26
SPE 30.01-P12	12	26

80 Ton/m

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
500mm  
550mm Teil/Sect

Modell/Model
SPE 40.05

Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
412 mm 830 mm

Modell/Model
40.09

Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm

D	20	25	30	35	40	50	60	80	100
H1	12	17	20	22	24	29	34	44	70

Modell/Model	A	B
SPE 30.01-M8	8	50
SPE 30.01-M10	10	57
SPE 30.01-M12	12	57

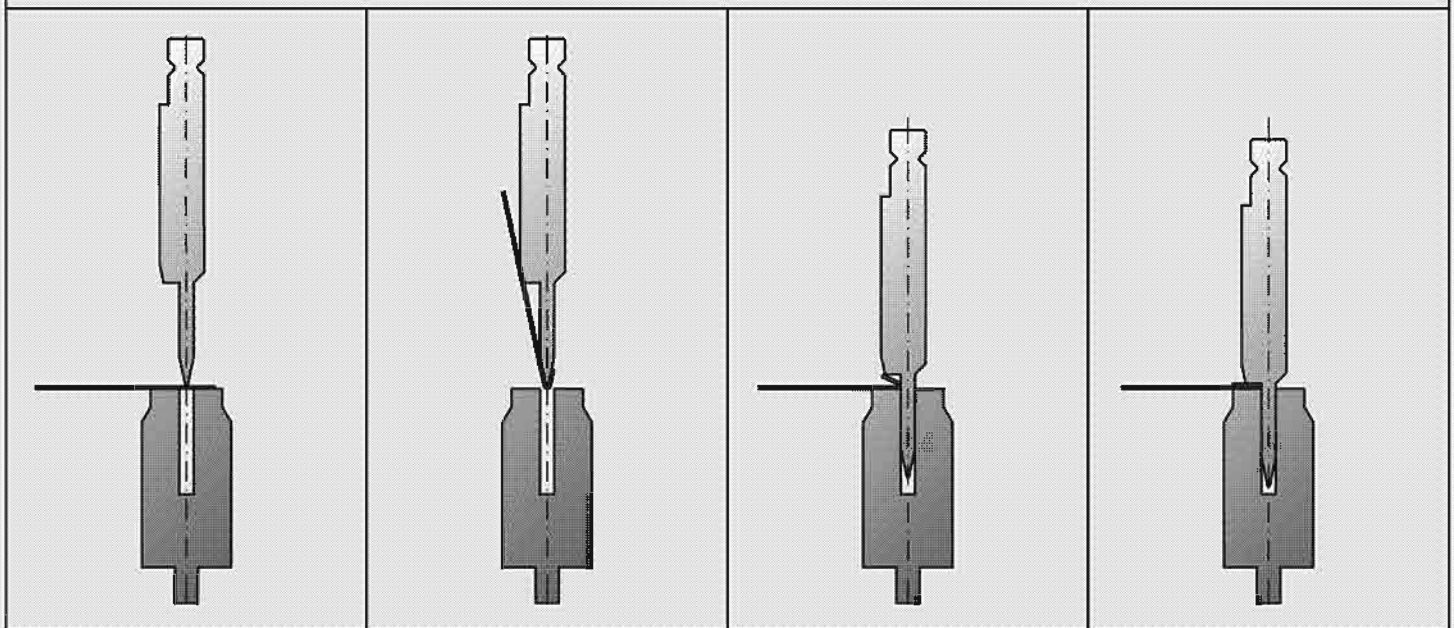
50 Ton/m

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
500mm  
550mm Teil/Sect

Modell/Model	H
SPE-EXT/100	100
SPE-EXT/150	150

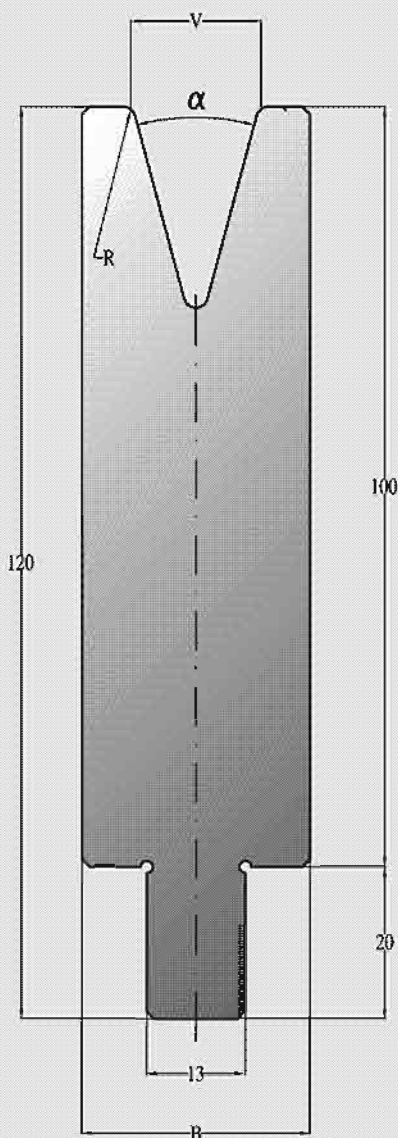
Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths  
150 mm

## Beispiel von Faltung/Bending sample



# Speedline-Trumpf Matrizen/Dies

Modell/Model  
SPE V



86°

Model	V	α	R	B	T/m
SPE V6/86°	6	86°	0,6	20	100
SPE V8/86°	8	86°	0,8	20	100
SPE V10/86°	10	86°	1	20	100
SPE V12/86°	12	86°	1	25	100
SPE V16/86°	16	86°	1,6	30	100
SPE V20/86°	20	86°	2	35	100
SPE V24/86°	24	86°	2,5	40	100

80°

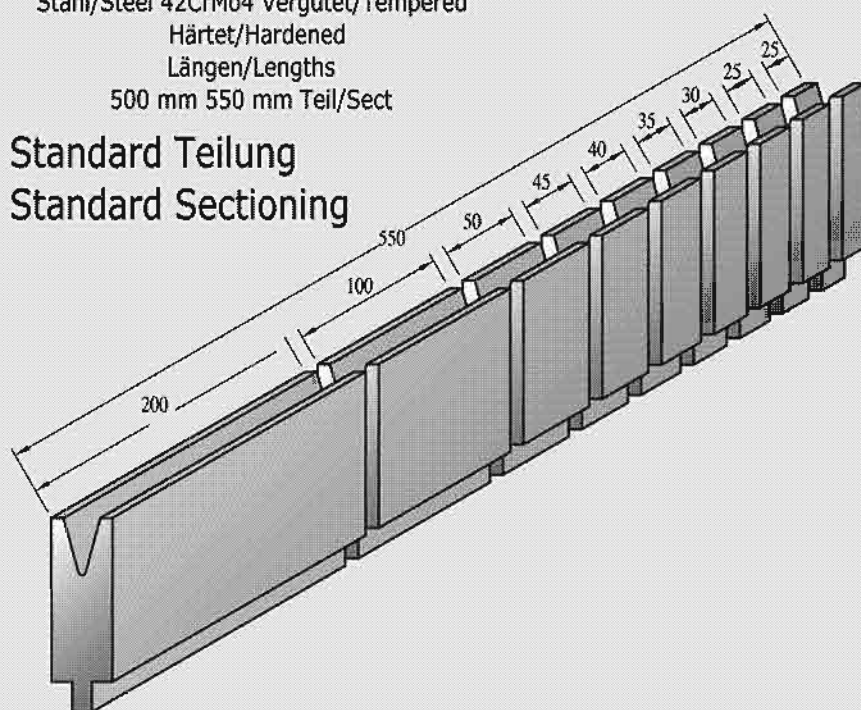
SPE V30/80°	30	80°	3	45	100
SPE V40/80°	40	80°	5	55	100
SPE V50/80°	50	80°	5	65	100
SPE V60/80°	60	80°	5	75	100
SPE V80/80°	80	80°	5	95	100
SPEV100/80°	100	80°	8	120	100

30°

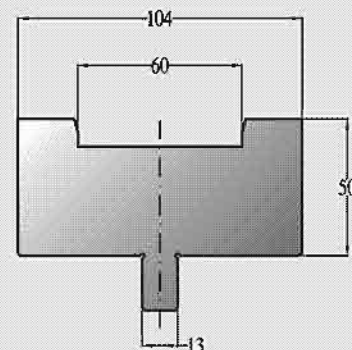
SPE V6/30°	6	30°	1	20	50
SPE V8/30°	8	30°	1	20	40
SPE V10/30°	10	30°	1	20	40
SPE V12/30°	12	30°	1	25	40
SPE V16/30°	16	30°	1,6	30	45
SPE V20/30°	20	30°	2	35	50
SPE V24/30°	24	30°	2,5	40	50

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
500 mm 550 mm Teil/Sect

Standard Teilung  
Standard Sectioning

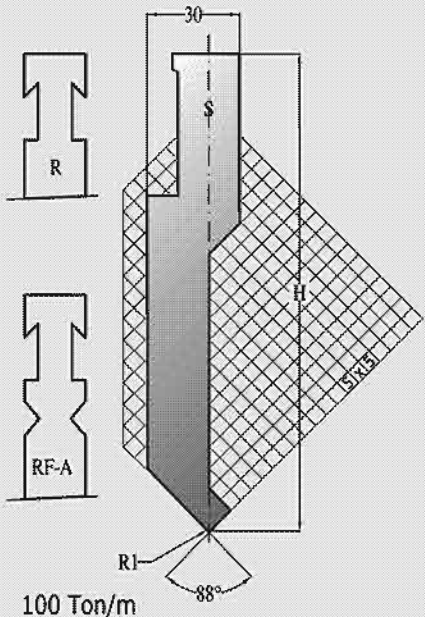
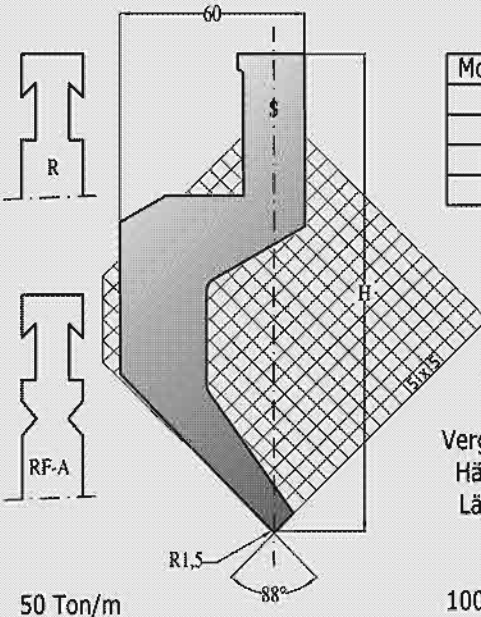
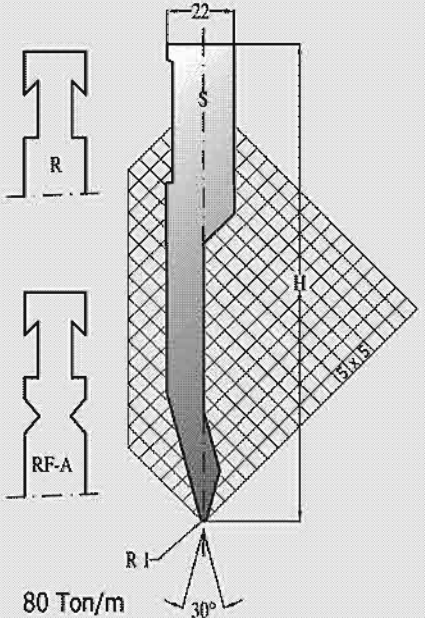
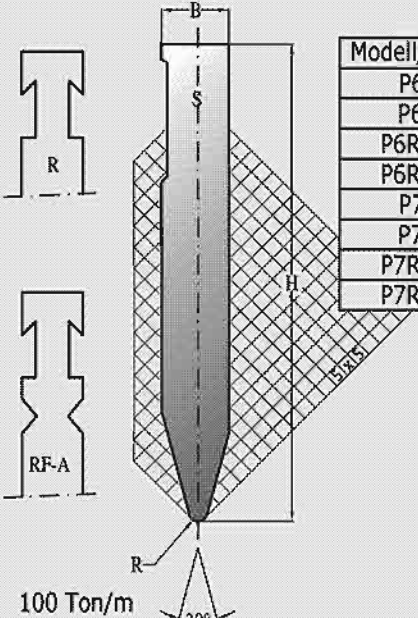
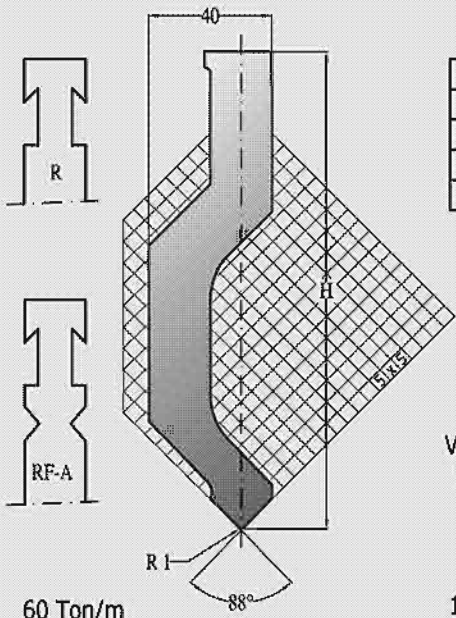
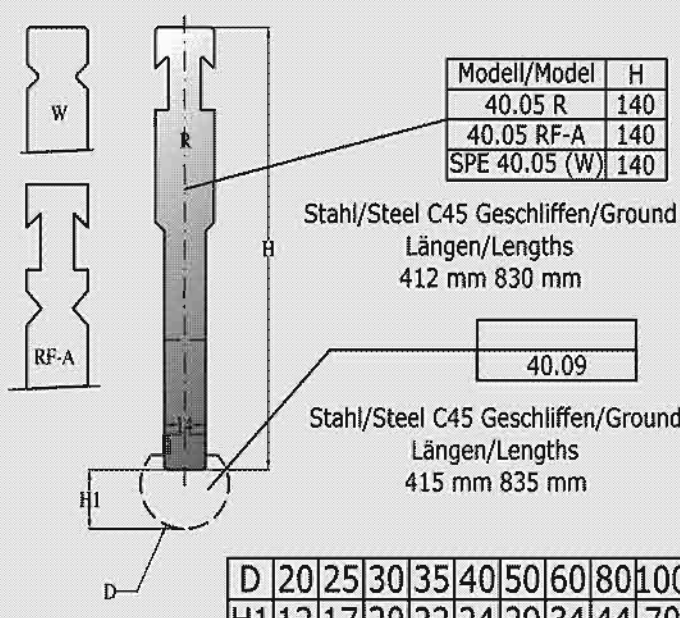


Modell/Model  
SPE 40.40

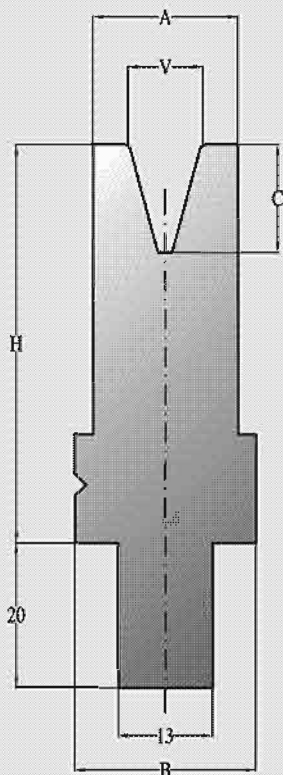


Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm

# Beyeler-Bystronic Type Stempel/Punches

 <table border="1" data-bbox="542 179 766 336"> <thead> <tr> <th>Modell/Model</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>P2S</td> <td>155</td> </tr> <tr> <td>P2R</td> <td>155</td> </tr> <tr> <td>P2RF-A</td> <td>175</td> </tr> <tr> <td>P2RF-A</td> <td>250</td> </tr> </tbody> </table> <p data-bbox="534 492 750 750">                     Stahl/Steel                      42CrMo4                      Vergütet/Tempered                      Härtet/Hardened                      Längen/Lengths                      515mm                      1030mm                      1000mm Teil/Sept                 </p> <p data-bbox="103 716 231 750">100 Ton/m</p>	Modell/Model	H	P2S	155	P2R	155	P2RF-A	175	P2RF-A	250	 <table border="1" data-bbox="1260 179 1484 336"> <thead> <tr> <th>Modell/Model</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>P4S</td> <td>155</td> </tr> <tr> <td>P4R</td> <td>155</td> </tr> <tr> <td>P4RF-A</td> <td>175</td> </tr> <tr> <td>P4RF-A</td> <td>250</td> </tr> </tbody> </table> <p data-bbox="1252 492 1468 750">                     Stahl/Steel                      42CrMo4                      Vergütet/Tempered                      Härtet/Hardened                      Längen/Lengths                      515mm                      1030mm                      1000mm Teil/Sept                 </p> <p data-bbox="829 716 941 750">50 Ton/m</p>	Modell/Model	H	P4S	155	P4R	155	P4RF-A	175	P4RF-A	250																										
Modell/Model	H																																														
P2S	155																																														
P2R	155																																														
P2RF-A	175																																														
P2RF-A	250																																														
Modell/Model	H																																														
P4S	155																																														
P4R	155																																														
P4RF-A	175																																														
P4RF-A	250																																														
 <table border="1" data-bbox="542 862 766 1019"> <thead> <tr> <th>Modell/Model</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>P5S</td> <td>155</td> </tr> <tr> <td>P5R</td> <td>155</td> </tr> <tr> <td>P5RF-A</td> <td>175</td> </tr> <tr> <td>P5RF-A</td> <td>250</td> </tr> </tbody> </table> <p data-bbox="534 1176 750 1433">                     Stahl/Steel                      42CrMo4                      Vergütet/Tempered                      Härtet/Hardened                      Längen/Lengths                      515mm                      1030mm                      1000mm Teil/Sept                 </p> <p data-bbox="103 1400 231 1433">80 Ton/m</p>	Modell/Model	H	P5S	155	P5R	155	P5RF-A	175	P5RF-A	250	 <table border="1" data-bbox="1157 851 1500 1131"> <thead> <tr> <th>Modell/Model</th> <th>R</th> <th>H</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>P6S</td> <td>1</td> <td>155</td> <td>22</td> </tr> <tr> <td>P6R</td> <td>1</td> <td>155</td> <td>20</td> </tr> <tr> <td>P6RF-A</td> <td>1</td> <td>175</td> <td>20</td> </tr> <tr> <td>P6RF-A</td> <td>1</td> <td>250</td> <td>20</td> </tr> <tr> <td>P7S</td> <td>3</td> <td>155</td> <td>22</td> </tr> <tr> <td>P7R</td> <td>3</td> <td>155</td> <td>20</td> </tr> <tr> <td>P7RF-A</td> <td>3</td> <td>175</td> <td>20</td> </tr> <tr> <td>P7RF-A</td> <td>1</td> <td>250</td> <td>20</td> </tr> </tbody> </table> <p data-bbox="1252 1176 1468 1433">                     Stahl/Steel                      42CrMo4                      Vergütet/Tempered                      Härtet/Hardened                      Längen/Lengths                      515mm                      1030mm                      1000mm Teil/Sept                 </p> <p data-bbox="829 1400 957 1433">100 Ton/m</p>	Modell/Model	R	H	B	P6S	1	155	22	P6R	1	155	20	P6RF-A	1	175	20	P6RF-A	1	250	20	P7S	3	155	22	P7R	3	155	20	P7RF-A	3	175	20	P7RF-A	1	250	20
Modell/Model	H																																														
P5S	155																																														
P5R	155																																														
P5RF-A	175																																														
P5RF-A	250																																														
Modell/Model	R	H	B																																												
P6S	1	155	22																																												
P6R	1	155	20																																												
P6RF-A	1	175	20																																												
P6RF-A	1	250	20																																												
P7S	3	155	22																																												
P7R	3	155	20																																												
P7RF-A	3	175	20																																												
P7RF-A	1	250	20																																												
 <table border="1" data-bbox="542 1534 766 1691"> <thead> <tr> <th>Modell/Model</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>P8S</td> <td>155</td> </tr> <tr> <td>P8R</td> <td>155</td> </tr> <tr> <td>P8RF-A</td> <td>175</td> </tr> <tr> <td>P8RF-A</td> <td>250</td> </tr> </tbody> </table> <p data-bbox="534 1848 750 2105">                     Stahl/Steel                      42CrMo4                      Vergütet/Tempered                      Härtet/Hardened                      Längen/Lengths                      515mm                      1030mm                      1000mm Teil/Sept                 </p> <p data-bbox="103 2072 231 2105">60 Ton/m</p>	Modell/Model	H	P8S	155	P8R	155	P8RF-A	175	P8RF-A	250	 <table border="1" data-bbox="1260 1534 1484 1668"> <thead> <tr> <th>Modell/Model</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>40.05 R</td> <td>140</td> </tr> <tr> <td>40.05 RF-A</td> <td>140</td> </tr> <tr> <td>SPE 40.05 (W)</td> <td>140</td> </tr> </tbody> </table> <p data-bbox="1117 1680 1500 1780">                     Stahl/Steel C45 Geschliffen/Ground                      Längen/Lengths                      412 mm 830 mm                 </p> <p data-bbox="1117 1881 1500 1982">                     Stahl/Steel C45 Geschliffen/Ground                      Längen/Lengths                      415 mm 835 mm                 </p> <table border="1" data-bbox="1037 2038 1508 2128"> <tbody> <tr> <td>D</td> <td>20</td> <td>25</td> <td>30</td> <td>35</td> <td>40</td> <td>50</td> <td>60</td> <td>80</td> <td>100</td> </tr> <tr> <td>H1</td> <td>12</td> <td>17</td> <td>20</td> <td>22</td> <td>24</td> <td>29</td> <td>34</td> <td>44</td> <td>70</td> </tr> </tbody> </table>	Modell/Model	H	40.05 R	140	40.05 RF-A	140	SPE 40.05 (W)	140	D	20	25	30	35	40	50	60	80	100	H1	12	17	20	22	24	29	34	44	70								
Modell/Model	H																																														
P8S	155																																														
P8R	155																																														
P8RF-A	175																																														
P8RF-A	250																																														
Modell/Model	H																																														
40.05 R	140																																														
40.05 RF-A	140																																														
SPE 40.05 (W)	140																																														
D	20	25	30	35	40	50	60	80	100																																						
H1	12	17	20	22	24	29	34	44	70																																						

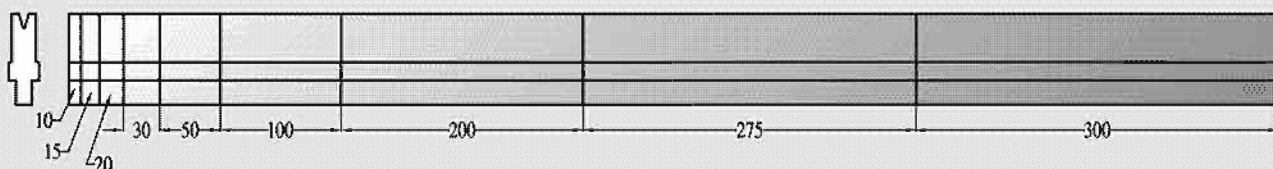
# Beyeler-Bystronic Type Matrizen/Dies



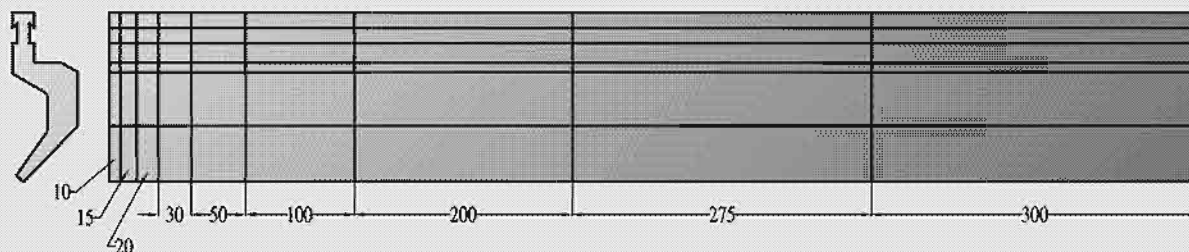
Modell	V	$\alpha$	R	A	B	C	H	T/m
M6/30°	6	30°	0.75	20	25	9.3	55	100
M8/30°	8	30°	1	20	25	11.2	55	100
M10/30°	10	30°	1	20	25	14.9	55	70
M12/30°	12	30°	1.5	-	25	18.6	55	90
M16/30°	16	30°	2	-	30	20.5	55	100
M20/30°	20	30°	2.5	-	30	28	55	60
M24/30°	24	30°	3	-	40	29.8	55	110
M32/30°	32	30°	4	-	48	33.6	55	110
M40/60°	40	60°	5	-	55	29.6	55	180
M50/60°	50	60°	5	-	70	30.3	55	180
M60/60°	60	60°	7	-	80	39	65	160
M80/80°	80	80°	10	-	100	38.7	65	160
M100/80°	100	80°	12	-	125	50.5	85	200
M120/80°	120	80°	15	-	160	59.5	105	200

Stahl/Steel 42CrMo4 Härtet/Hardened  
Längen/Lengths  
515mm 1030mm 1000mm Teil/Sect

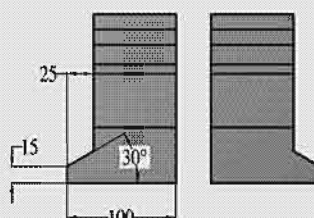
TEILUNG STANDARD MATRIZEN 1000 mm  
DIES STANDARD SECTIONING 1000mm



TEILUNG STANDARD STEMPEL 1000 mm  
PUNCHES STANDARD SECTIONING 1000mm

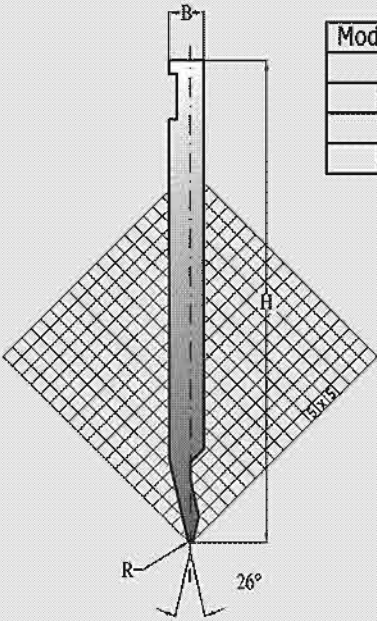


Standard horn  
Standard horn



# LVD Type Stempel/Punches

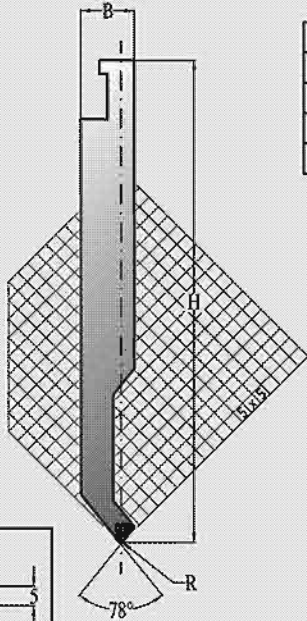
Modell/Model	R	H	B
F10	1	180	13
F10W	1	196	20
F15	2	225	18
F15W	2	231	20



Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm  
550mm Teil/Sect

40 Ton/m

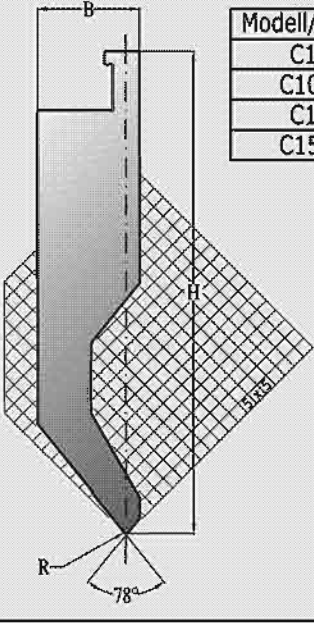
Modell/Model	R	H	B
E10	1	180	20
E10W	1	196	25
E15	2	225	25
E15W	2	231	27,5



Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm  
550mm Teil/Sect

40 Ton/m

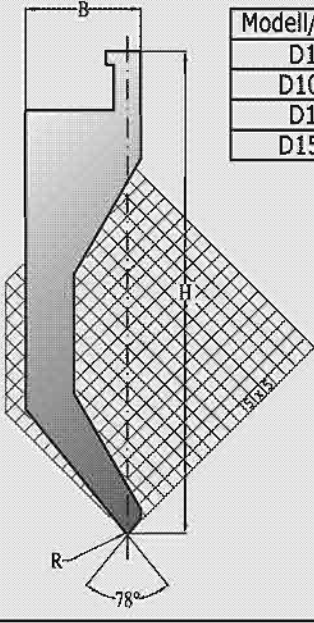
Modell/Model	R	H	B
C10	1	180	38
C10W	2	196	42,5
C15	2	225	40
C15W	2	231	42,5



Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm  
550mm Teil/Sect

70 Ton/m

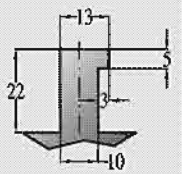
Modell/Model	R	H	B
D10	1	180	43
D10W	1	196	48
D15	2	225	45,5
D15W	2	231	48



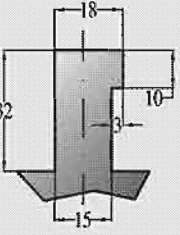
Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm  
550mm Teil/Sect

40 Ton/m

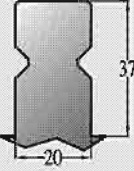
**AUF. 10**



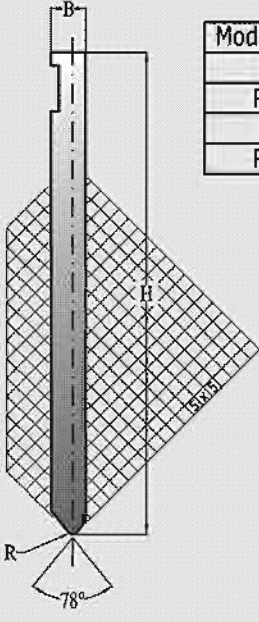
**AUF. 15**



**AUF. W**



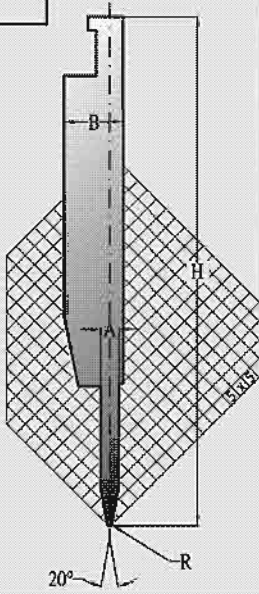
Modell/Model	R	H	B
R10	2	180	13
R10W	2	196	20
R15	3	225	15
R15W	3	231	20



Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm  
550mm Teil/Sect

80 Ton/m

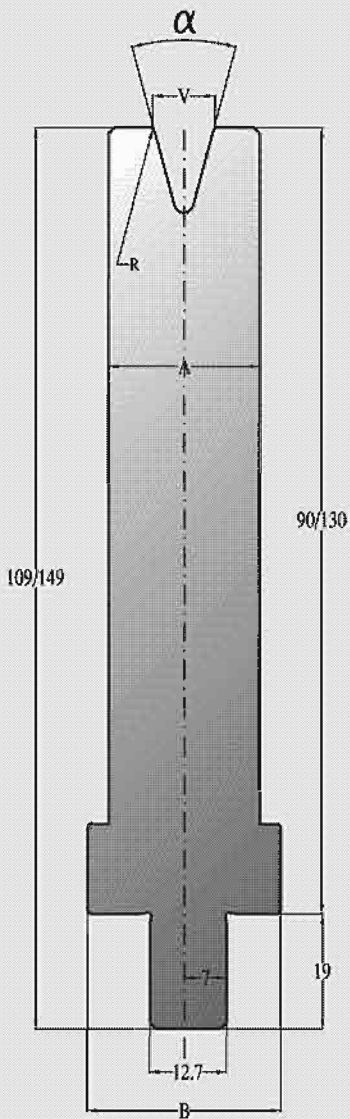
Modell/Model	R	H	A	B
P10.08	1	190	6,8	22
P10.10	1	190	8,8	22
P10.12	1,5	190	10,8	22
P10.08W	1	206	6,8	26
P10.10W	1	206	8,8	27
P10.12W	1,5	206	10,8	28
P15.08	1	245	6,8	R
P15.10	1	245	8,8	R
P15.12	1,5	245	10,8	R
P15.08W	1	251	6,8	26
P15.10W	1	251	8,8	27
P15.12W	1,5	251	10,8	28



Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm

40 Ton/m

# LVD Type Matrizen/Dies



78°

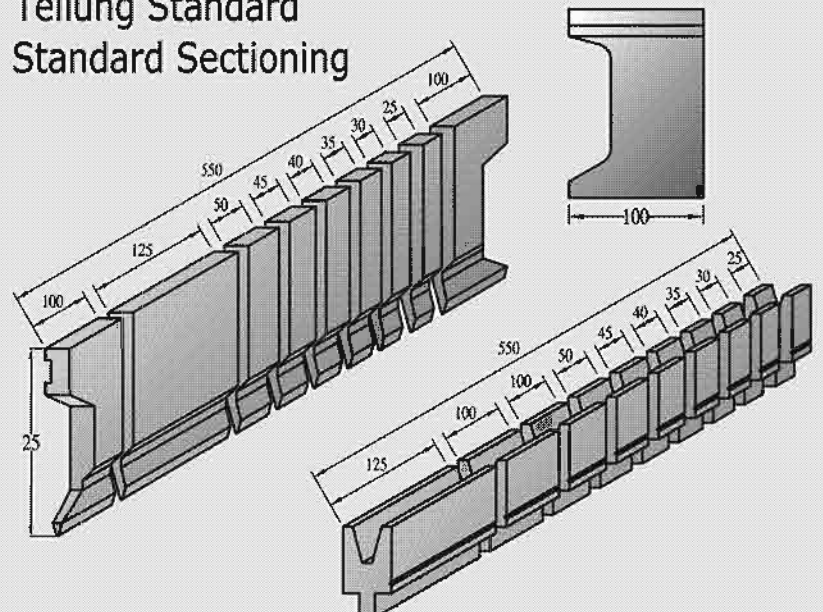
Modell	V	$\alpha$	R	A	B	T/m
V6/78°	6	78°	1	12	32	100
V8/78°	8	78°	1.2	12	32	100
V10/78°	10	78°	1.5	14	32	100
V12/78°	12	78°	2	18	32	100
V16/78°	16	78°	2.5	25	32	100
V20/78°	20	78°	3	-	32	100
V24/78°	24	78°	3	-	32	100
V30/78°	30	78°	4	-	40	100
V40/78°	40	78°	5	-	50	100
V50/78°	50	78°	5.5	-	70	100
V60/78°	60	78°	6.5	-	70	100
V70/78°	70	78°	8	-	80	100
V80/78°	80	78°	8	-	95	100
V100/78°	100	78°	10	-	120	100
V120/78°	120	78°	12	-	140	100

Stahl/Steel 42CrMo4 Härtet/Hardened  
Längen/Lengths  
508mm 550mm Teil/Sect

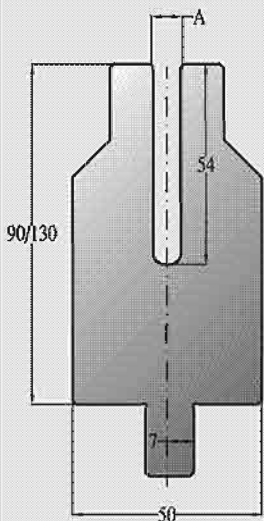
30°

V6/30°	6	30°	1.5	16	32	50
V8/30°	8	30°	1.5	16	32	40
V10/30°	10	30°	2	25	32	40
V12/30°	12	30°	2.5	-	32	40
V16/30°	16	30°	3	-	32	45
V20/30°	20	30°	3.5	-	40	50
V24/30°	24	30°	3.5	-	45	50
V30/30°	30	30°	4	-	70	50

Teilung Standard  
Standard Sectioning



Modell/Model	A
T08/90	8
T10/90	10
T12/90	12
T08/130	8
T10/130	10
T12/130	12



Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
508mm

50 Ton/m

# Colly Type Stempel/Punches

Modell/Model	R	$\alpha$
14.411/90°	1.4	90°
14.412/85°	0.6	85°

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Geschliffen/Ground  
Längen/Lengths  
1020mm 1250mm  
1250mm Teil/Sect

Modell/Model	R	H	$\alpha$
1.14.715/90°	1.4	120	90°
14.421/90°	1.4	200	90°
1.14.716/85°	0.6	120	85°
14.422/85°	0.6	200	85°

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Geschliffen/Ground  
Längen/Lengths  
1020mm 1250mm  
1250mm Teil/Sect

Modell/Model	R	$\alpha$
3.14.515/90°	1.4	90°
3.14.516/85°	0.6	85°

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Geschliffen/Ground  
Längen/Lengths  
1020mm 1250mm  
1250mm Teil/Sect

Modell/Model
14.705/80°

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Geschliffen/Ground  
Längen/Lengths  
1020mm 1250mm  
1250mm Teil/Sect

Modell/Model	H	B
8.14.697/50°	120	27
6.14.597/50°	140	27
8.14.700/50°	200	28

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Geschliffen/Ground  
Längen/Lengths  
1020mm 1250mm  
1250mm Teil/Sect

Modell/Model
1.14.526/24°

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Geschliffen/Ground  
Längen/Lengths  
1020mm 1250mm  
1250mm Teil/Sect



# Colly Type Matrizen/Dies

**Modell/Model**  
14.355

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250 mm 2020 mm

**Modell/Model**  
14.319

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250 mm 2020 mm

**Modell/Model**  
14.414

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250/2020/3050/4050 mm

**Modell/Model**  
14.519

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250/2020/3050/4050 mm

**Modell/Model**  
14.521

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250/2020/3050/4050 mm

**Modell/Model**  
14.518

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250/2020/3050/4050 mm

**Modell/Model**  
14.707

V=80°

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 3050/4050/5100/6100 mm

**Modell/Model**  
14.759

V=80°

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 4050/5100/6100/7000 mm

Modell/Model	V	$\alpha$	B
2.14.479	6	24°	101
2.14.479	8	24°	106

Stahl/Steel 42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths 1020mm 1250mm

Modell/Model	H
6.14.767	54
6.14.768	74
6.14.769	94
6.14.770	112

Stahl/Steel 42CrMo4 Vergütet/Tempered  
Längen/Lengths 1250/2020/3050/4050 mm

**Modell/Model**  
8.14.053

Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths 1250/2020/3050/4050 mm

Standard Teilung  
Standard Sectioning

Stempel/punches  
500, 100, 100dx,  
100sx, 55, 2x50,  
2x45, 2x40, 35, 3x30  
= 1250 mm

Matrizen/Lower dies  
500, 200, 100, 55,  
2x50, 2x45, 2x40,  
35,  
3x30 = 1250 mm

Scarpetta  
Horn

# Werkzeuge Tipo Haco/Haco Type Tools

**Modell/Model**  
P60C

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
2100,2600,3100mm

**Modell/Model**  
P110C

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
2100,2600,3100,  
3600,4100,4300mm

**Modell/Model**  
P200C

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
2600,3100,3600,  
4100,4300,5000,  
6000mm

**Modell/Model**  
P400C

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
3100,3600,4100,  
4300,5000,6000,  
7000,8000mm

**Modell/Model**  
P110A

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
2100,2600,3100,  
3600,4100,4300mm

**Modell/Model**  
P200A

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
2600,3100,3600,  
4100,4300,5000,  
6000mm

**Modell/Model**  
P400A

Stahl/Steel  
42CrMo4  
Vergütet/Tempered  
Härtet/Hardened  
Längen/Lengths  
3100,3600,4100,  
4300,5000,6000,  
7000,8000mm

**Modell/Model**  
PV70

Stahl/Steel 42CrMo4 Härtet/Hardened  
Längen/Lengths 2100,2600,3100 mm

**Modell/Model**  
PV90

Stahl/Steel 42CrMo4 Härtet/Hardened  
Längen/Lengths 2100,2600,3100,3600,4100,4300 mm

**Modell/Model**  
PV100

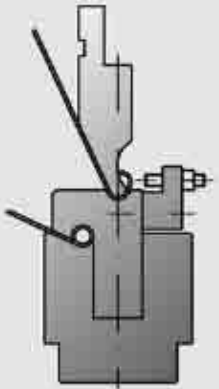
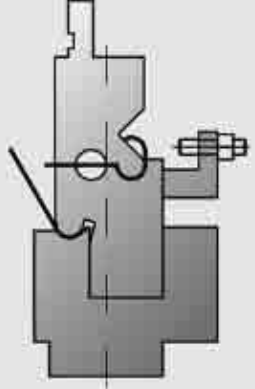
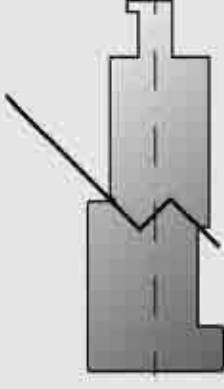
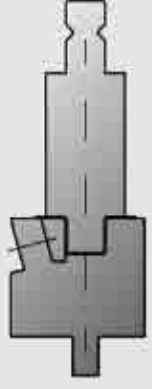
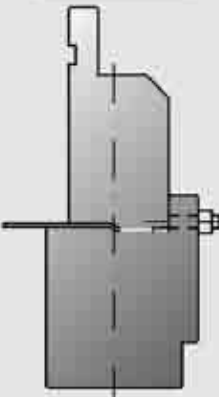
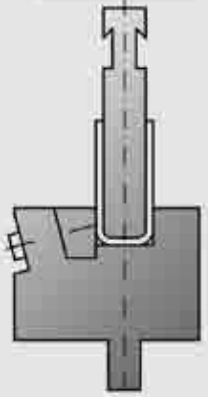
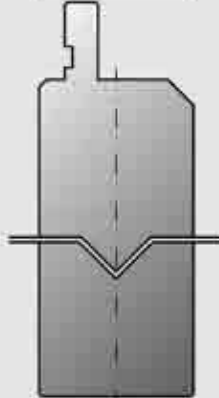
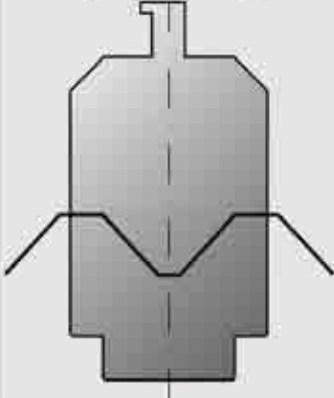
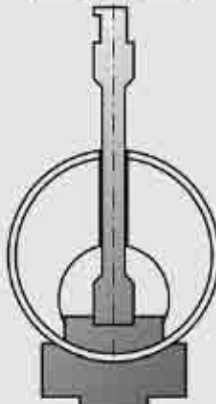



Stahl/Steel 42CrMo4 Härtet/Hardened  
Längen/Lengths  
2600,3100,3600,4100,4300,5000,6000mm

**Modell/Model**  
PV125





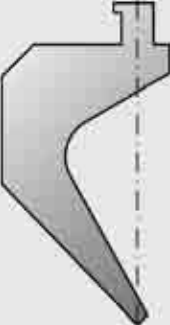
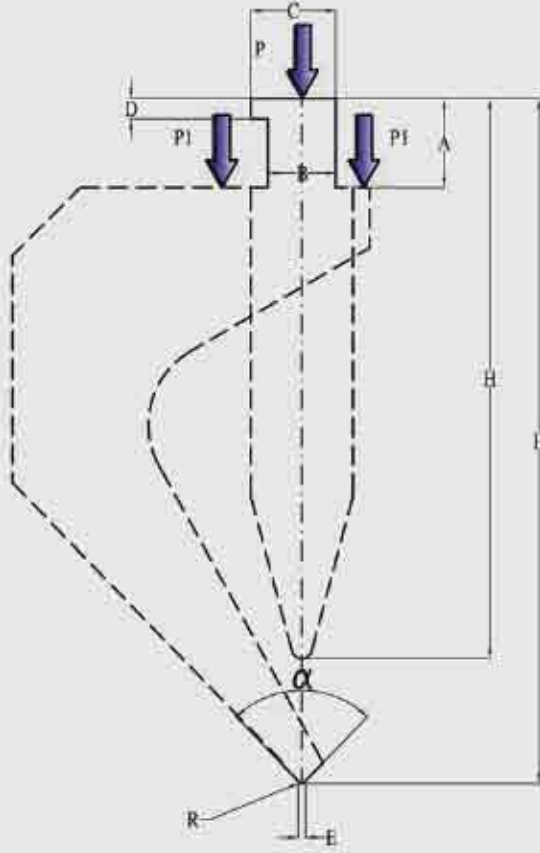
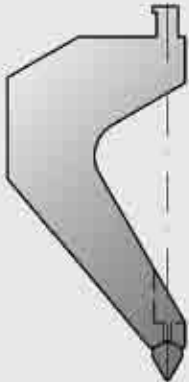

Stahl/Steel 42CrMo4 Härtet/Hardened  
Längen/Lengths  
3100,3600,4100,4300,5000,6000,7000,8000 mm

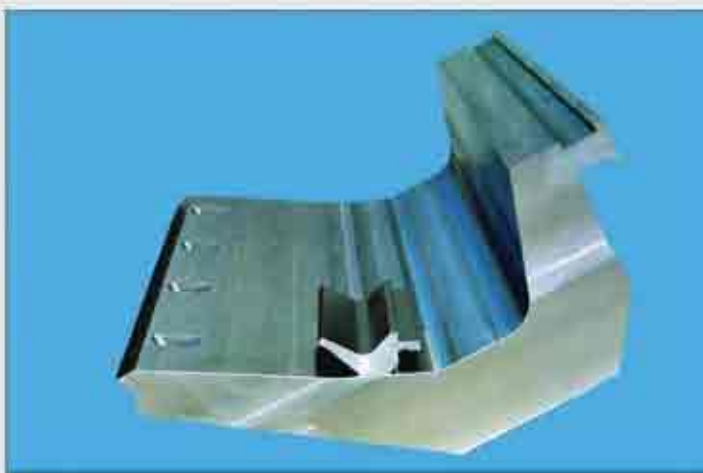


# Sonderwerkzeuge/Specials tools

<p>Modell/Model 30.03</p> 	<p>Modell/Model 30.04</p> 	<p>Modell/Model 30.05</p> 	<p>Modell/Model 30.06</p> 
<p>Modell/Model 30.08</p> 	<p>Für jede Anfrage von Sonderwerkzeugen werden folgende Daten verlangt:</p> <ul style="list-style-type: none"> <li>-Zeichnung des Blechprofils mit Angabe der Länge und der Toleranzen auf Abmessungen und Winkeln</li> <li>-Blechtyp (rostfreier Stahl, Eisen, Aluminium, u.s.w.) und Dicke</li> <li>-eventueller Plastikbelag auf dem Blech</li> <li>-Abkantpresstyp (Hersteller)</li> <li>-max. Druck der Presse in Tonnen</li> <li>-max. Licht und lauf der presse</li> <li>-Aufnahmeabmessungen für Stempel und Matrize</li> </ul>	<p>Modell/Model 30.09</p> 	
<p>Modell/Model 30.10</p> 	<p>For any enquiry on special tools, please indicate as follows:</p> <ul style="list-style-type: none"> <li>-Drawing of the sheet metal profile, with length of bend, tolerances on dimension and degrees</li> <li>-Kind of sheet (stainless steel, iron, aluminium, etc.) and thickness.</li> <li>-Possible plastic coating on the sheet</li> <li>-Kind of press brake (builder)</li> <li>-Maximum pressure of press-brake in tons</li> <li>-Maximum light and press-brake stroke</li> <li>-Attachement measures for punch and die</li> </ul>	<p>Modell/Model 30.11</p> 	
<p>Modell/Model 30.12</p> 			

# Sonderstempel/Specials Punches

<p>Modell/Model 10.01</p> 	<p>Modell/Model 10.03</p> 	<p>Modell/Model 10.04</p> 	<p>Modell/Model 10.09</p> 
<p>Modell/Model 10.08</p> 			
<p>Für jede Anfrage von Sonderstempeln werden folgende Daten verlangt:</p> <ul style="list-style-type: none"> <li>-Gesamte Höhe H</li> <li>-Aufnahmemasse A-B-C-D</li> <li>-Grade an der Spitze *</li> <li>-Phase E oder Radius R</li> <li>-Abkantpresseschub auf P oder P1</li> <li>-Länge</li> </ul> <p>For any enquiry on special top tools, please state:</p> <ul style="list-style-type: none"> <li>- Total height H</li> <li>- Dimensions of tongue (A-B-C-D)</li> <li>- Degrees on the nose <math>\alpha^\circ</math></li> <li>- measure of flat on E or radius R</li> <li>- Whether the press-brake presses on P or P1</li> <li>- Length</li> </ul>			



# Sondermatrizen/Specials Dies

Modell/Model  
20.51

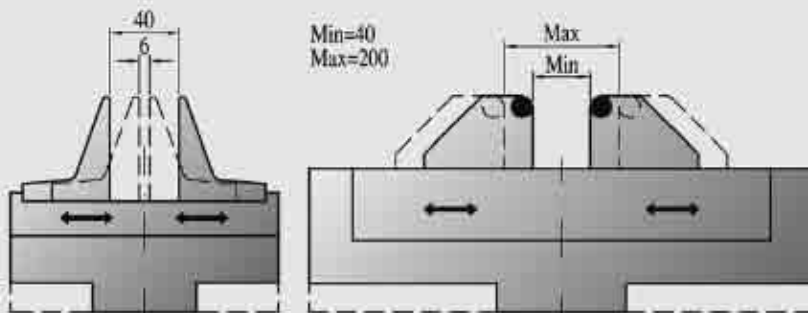


Diese Matrize mit gehärteten Rollen erlaubt eine bessere Gleitung des Bleches während der Biegung. Es ist in Zwei verschiedenen Versionen vertüglbar, abhängig von den verschiedenen Dicken und vom Typ des Bleches, welches gebogen werden soll.

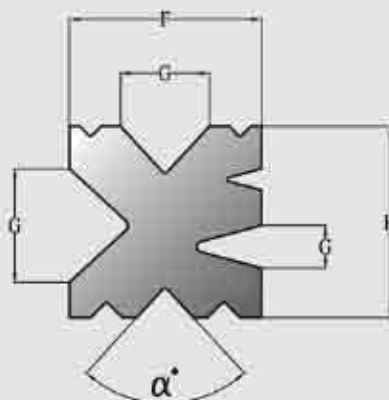
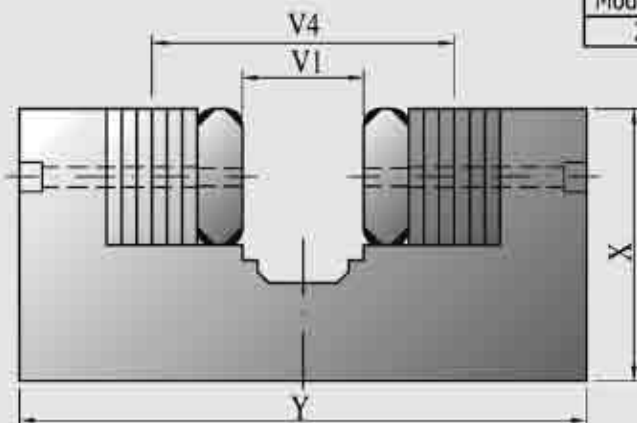
This lower die with hardened rollers improves the flow of the sheet during the bending operation. It is available in two versions depending on the thickness and type of material being used.



Modell/Model  
20.61



Modell/Model  
20.71



Für jede Anfrage von Sondermatrizen werden folgende Daten verlangt:

- Länge
- Abmessungen F x H
- Zahl und Stelle der "V" Öffnungen
- Öffnungsbreite G
- Öffnungsgrade  $\alpha^\circ$

For any enquiry on special lower dies, please state:

- Dimensions F x H
- Number and position of grooves
- Width of grooves G
- Degrees on grooves  $\alpha^\circ$
- Length



### Ausgleichsysteme/Deflection Compensating Systems



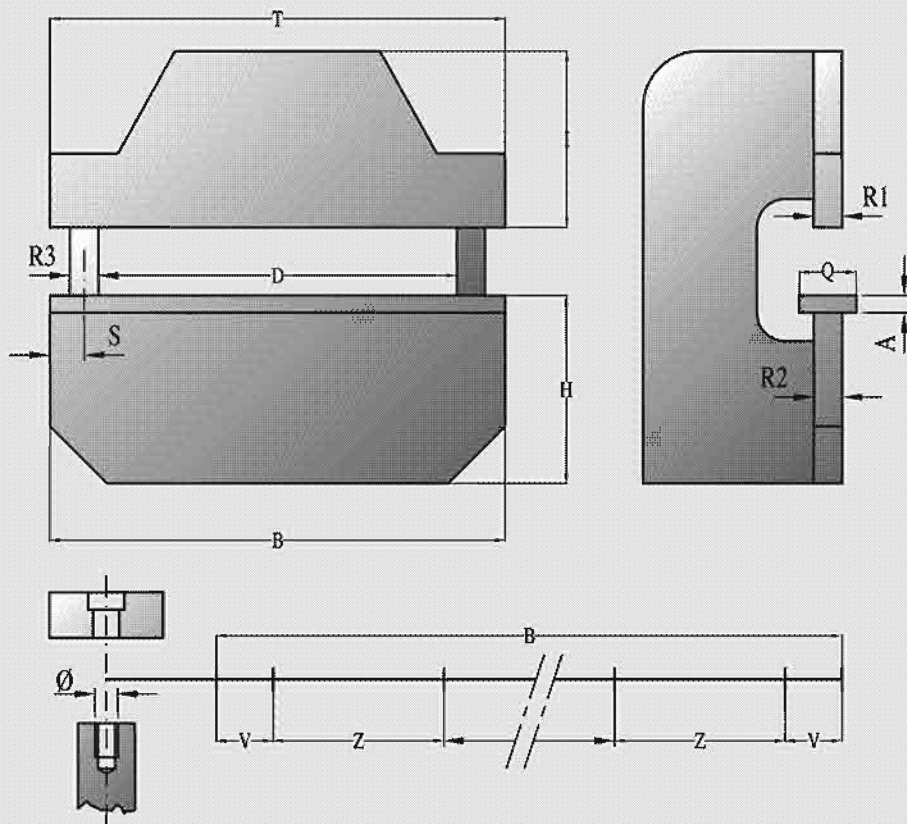
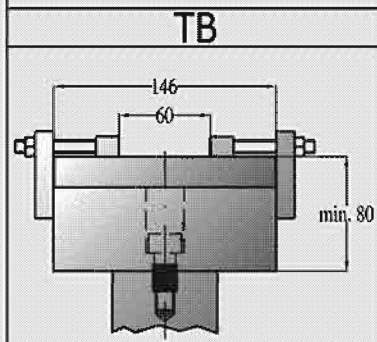
Es ist allgemein bekannt, dass der Biegewinkel über die ganze Länge nicht konstant ist, und zwar wegen der Maschinenbiegungen, die während der Verarbeitung auf den Pressen entstehen. Dieses Problem wird durch Ausgleichstische gelöst, welche mit einem manuellen oder automatischen Keilsystem das Biegungsdiagramm verfolgen und für den Ausgleich sorgen. Bei einem linearen Diagramm erfolgt ein Längsausgleich, bei lokalisierten Einstellungen ein Querausgleich. Der Bau dieser Tische wird nach Maß berechnet und ausgeführt, und zwar anhand der technischen und strukturellen Merkmale der jeweiligen Abkantpresse, die entsprechend den Kundenbedürfnissen mit einem manuellen oder automatischen Antrieb und einer Quer- oder Längseinstellung bzw. mit einer kombinierten Einstellung ausgestattet werden kann. Auch die Wahl der Nuten, Führungen, Befestigungen und des Platzbedarfs der Ausgleichstische erfolgt nach Ihren individuellen Wünschen.

It is well-known that the angle of bending is not constant on the total length due to the deflections which form during the working on the press brakes. That problem is solved by means of deflection compensating tables which through a manual or automatic wedge-shaped system, follow the diagram of the deflections to balance it. There are two kinds of compensation: longitudinal for a linear diagram and transversal for restricted adjustment. These tables are specifically studied and produced according to the technical and structural features of any kind of press-brake and, depending on customer's request, can have manual or automatic control device with 3 types of adjustment: transversal, longitudinal or combined. Besides, the choice for grooves, slides, clamps and dimensions of the deflection compensating tables is personalized according to your kind requests.

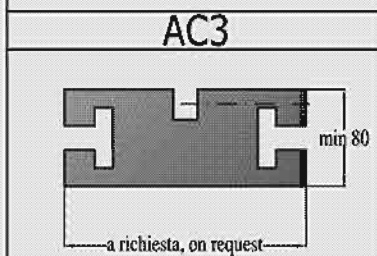
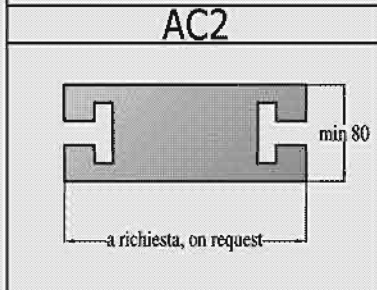
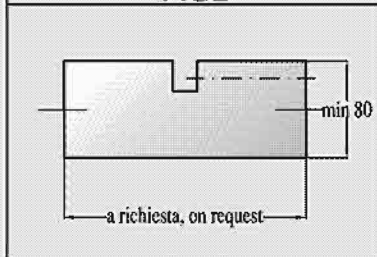
# AUTOMATISCH DURCHBIEGUNGSAUSGLEICHTISCHEN AUTOMATIC DEFLECTION COMPENSATION

Standard modell Standard models	Manuell, mit Einstellung in eine Richtung Manual with adjustment in one direction	Manuell, mit Einstellung in zwei Richtungen Manual with adjustment in two directions	Automatisch, mit Einstellung in eine Richtung Automatic with adjustment in one direction	Automatisch, mit Einstellung in zwei Richtungen Manual with adjustment in two directions
<b>TA</b> 				

Die Pfeile zeigen die Ausgleichsrichtungen an  
The arrows indicates the compensation directions



Beispiele special  
Example shapes

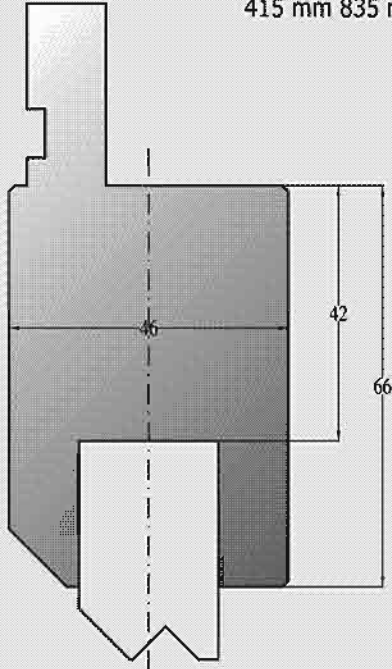


A	_____ mm.	R2	_____ mm.
B	_____ mm.	R3	_____ mm.
D	_____ mm.	S	_____ mm.
H	_____ mm.	Ø	_____ mm.
I	_____ mm.	V	_____ mm.
M	_____ mm.	Z	_____ mm.
Q	_____ mm.	X	_____ mm.
R1	_____ mm.	Press Brake	_____ Tons

# Behälter für Beilagen/Insert container

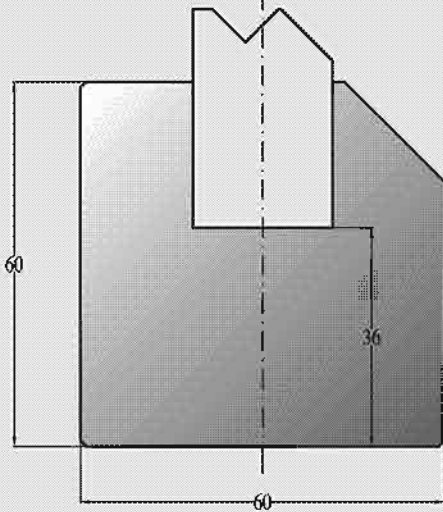
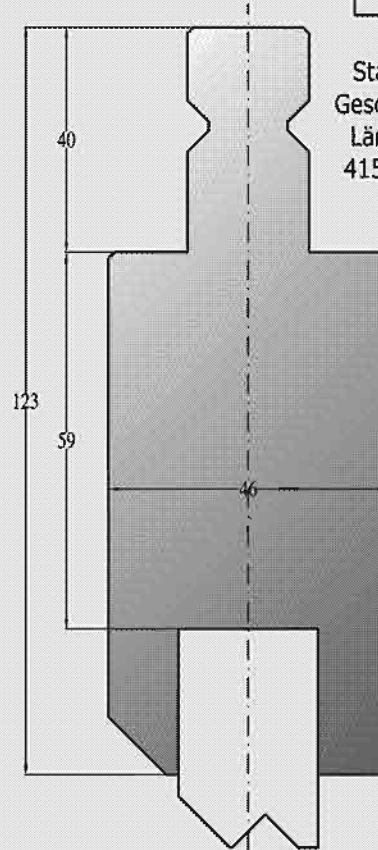
Modell/Model  
40.ZP

Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm



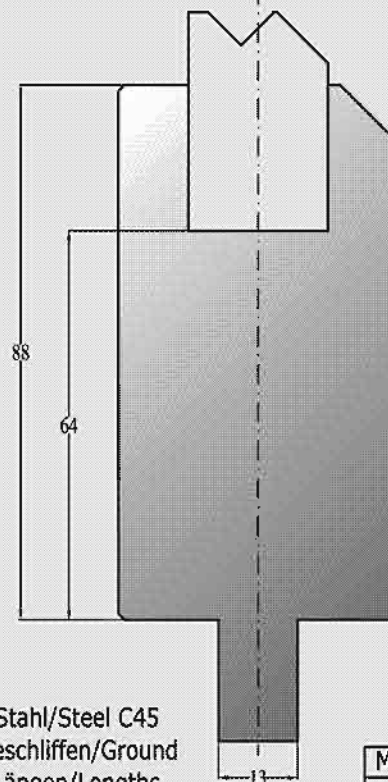
Modell/Model  
40.ZPW

Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm



Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.ZD

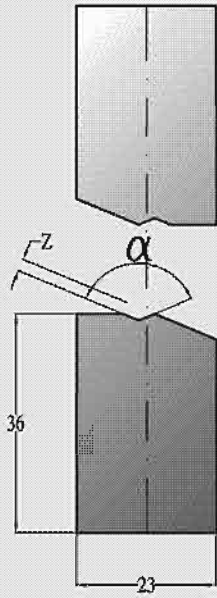


Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.ZDW



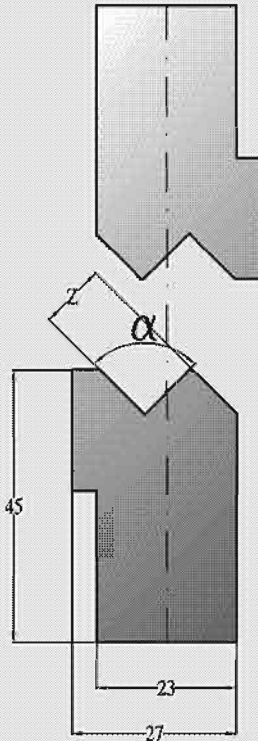
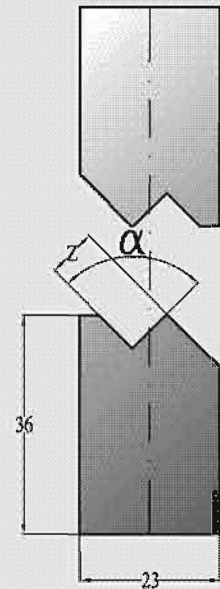
# Beilagen in Z/ Joggle insert



Modell/Model	Z	$\alpha$
30.Z1/160°	1	160°
30.Z1,5/160°	1,5	160°
30.Z2/150°	2	150°
30.Z2,5/140°	2,5	140°

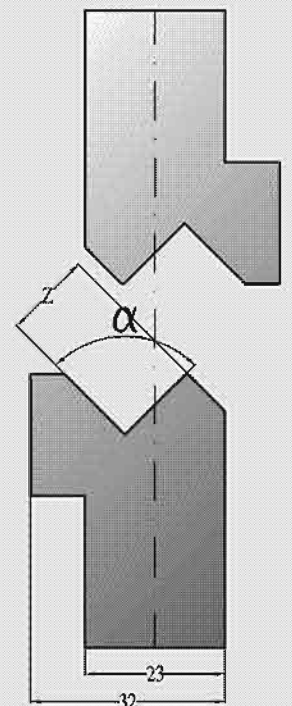
Stahl/Steel  
C45  
Härtet/Hardened  
Längen/Lengths  
415mm  
835mm

Modell/Model	Z	$\alpha$
30.Z1/90°	1	90°
30.Z1,5/90°	1,5	90°
30.Z2/90°	2	90°
30.Z2,5/90°	2,5	90°
30.Z3/90°	3	90°
30.Z3,5/90°	3,5	90°
30.Z4/90°	4	90°
30.Z4,5/90°	4,5	90°
30.Z5/90°	5	90°
30.Z5,5/90°	5,5	90°
30.Z6/90°	6	90°
30.Z6,5/90°	6,5	90°
30.Z7/90°	7	90°
30.Z7,5/90°	7,5	90°
30.Z8/90°	8	90°



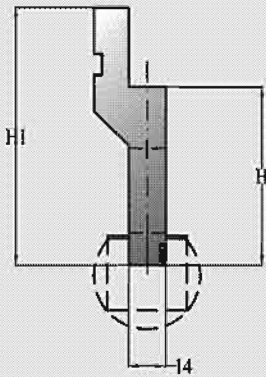
Modell/Model	Z	$\alpha$
30.Z9/90°	9	90°
30.Z10/90°	10	90°
30.Z11/90°	11	90°
30.Z12/90°	12	90°

Modell/Model	Z	$\alpha$
30.Z13/90°	13	90°
30.Z14/90°	14	90°
30.Z15/90°	15	90°



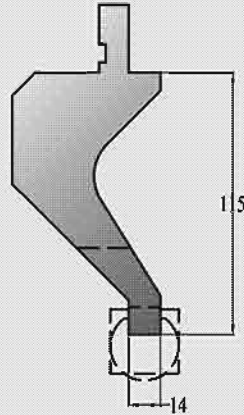
# Beiwerke-Halter/Round and Die Holder

Modell/Model	H	H1
40.05	67	97
40.05-100	100	130



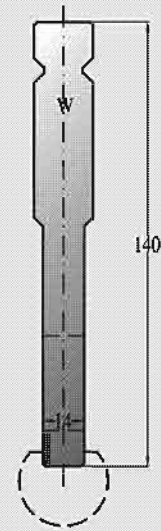
Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
412 mm 830 mm

Modell/Model
40.05-G



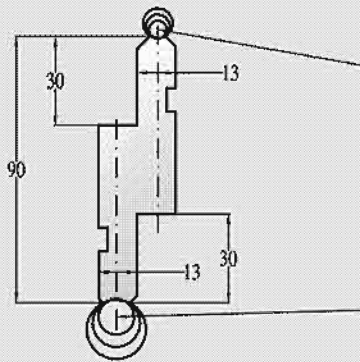
Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
412 mm 830 mm

Modell/Model
SPE 40.05

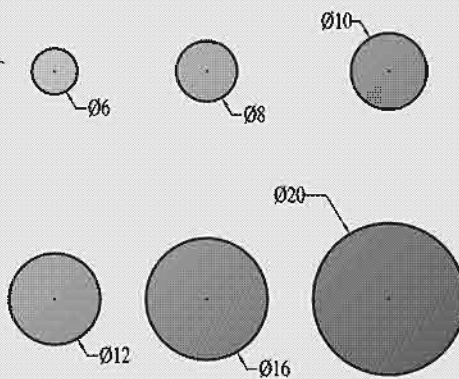


Stahl/Steel C45  
Geschliffen/Ground  
Längen/Lengths  
412 mm 830 mm

Modell/Model
40.30



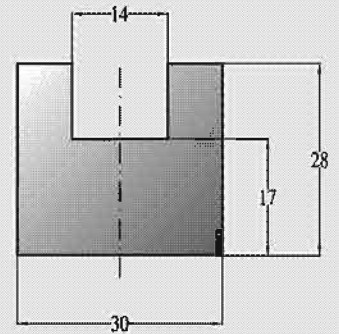
Modell/Model
40.31



Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm

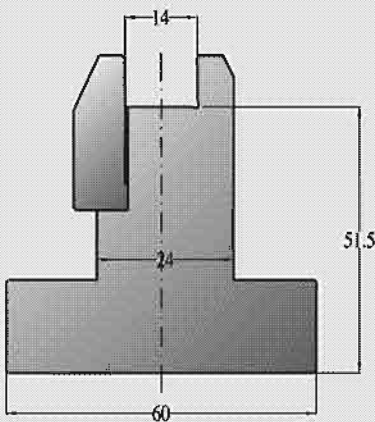
835 mm teil/sect (20-25-30-35-40-50-70-165-200-100+100 horn/horns)

Modell/Model
40.02



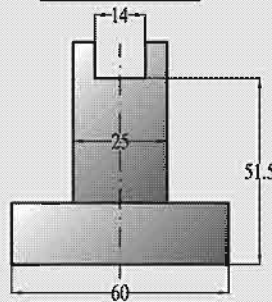
Stahl/Steel C45 Härten/Hardened  
Längen/Lengths  
415 mm 835 mm

Modell/Model
40.13



Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
415,835,1050,1250 mm

Modell/Model
40.14

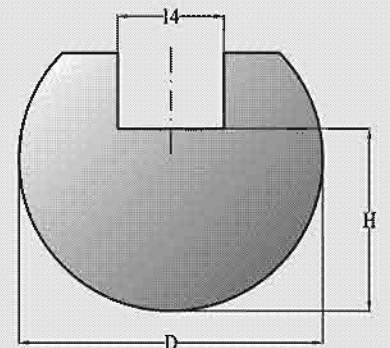


Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
415,835,1050,1250 mm

Modell/Model
40.14-TIBS



Modell/Model
40.09

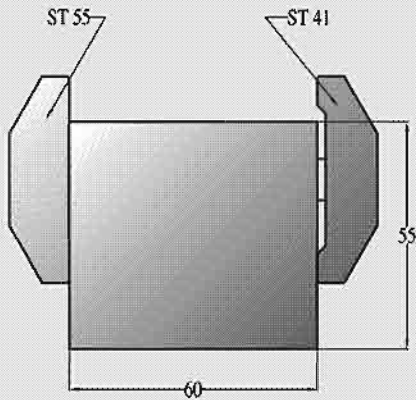


D	20	25	30	35	40	50	60	80	100
H	12	17	20	22	24	29	34	44	70

Stahl/Steel C45 Geschliffen/Ground  
Längen/Lengths  
415 mm 835 mm

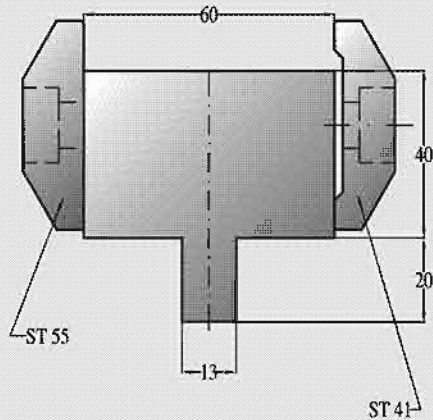
# Beiwerke-Halter/Accessories and Die Holder

Modell/Model  
40.55



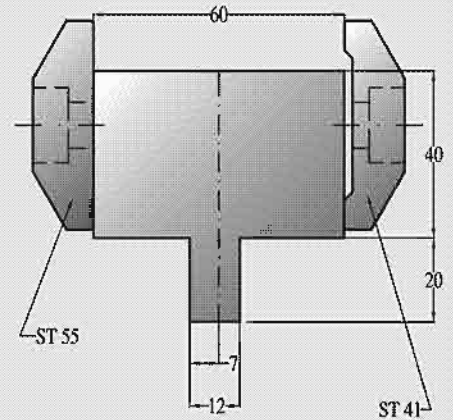
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.55-TR



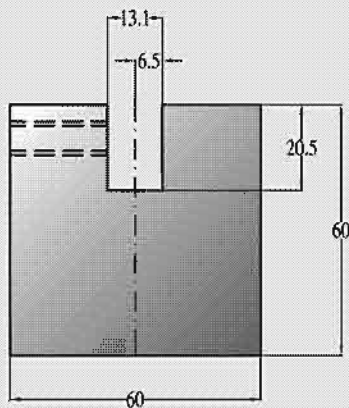
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.55-LVD



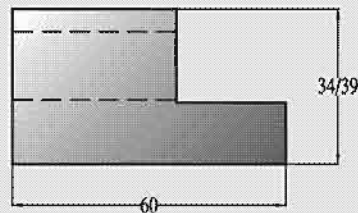
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.60



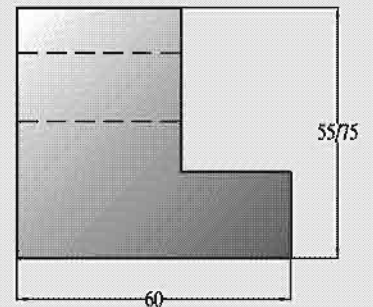
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.06/36  
40.06/39



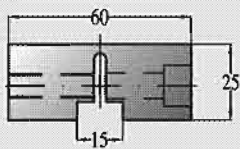
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.07/55  
40.07/75

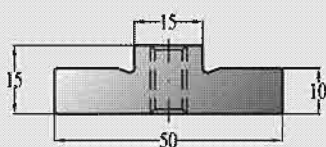


Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.15-TIBS

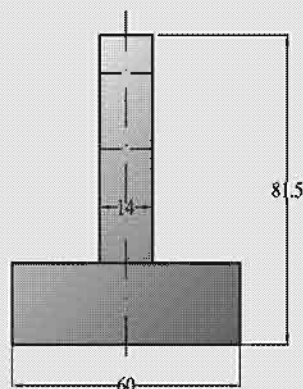


Modell/Model  
40.15



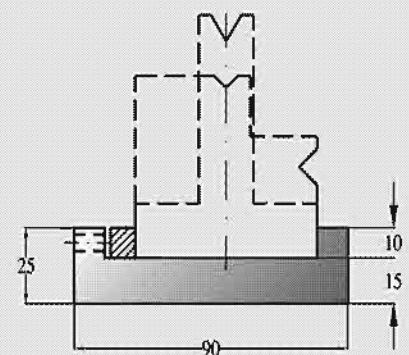
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
330



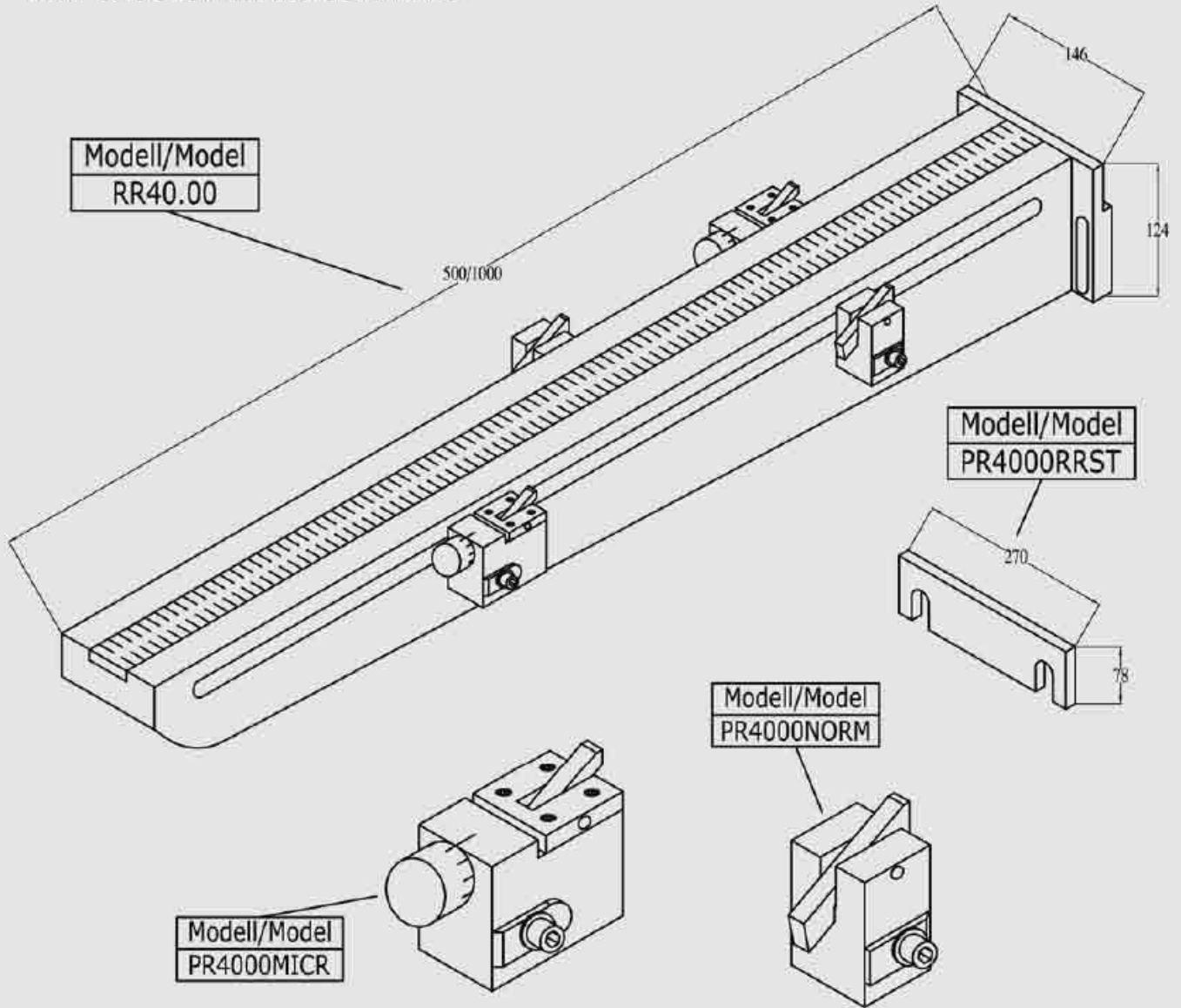
Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
415 mm 835 mm

Modell/Model  
40.60



Stahl/Steel C45 Geshliffen/Ground  
Längen/Lengths  
2100/2600/3100/4100mm

## ANSCHLÄGE FÜR ABKANTMASCHINEN ARM GAUGES FOR PRESSBRAKES



### SEITENANSCHLÄG SQUARE ARM



### ANSCHLAG MIT WINKELMESSER SQUARE ARM WITH GONIOMETER



## FILM ZUM WERKZEUGSSCHUTZ DIE COVER FILM



## PAARSPANNER PAIR OF TIGHTENERS



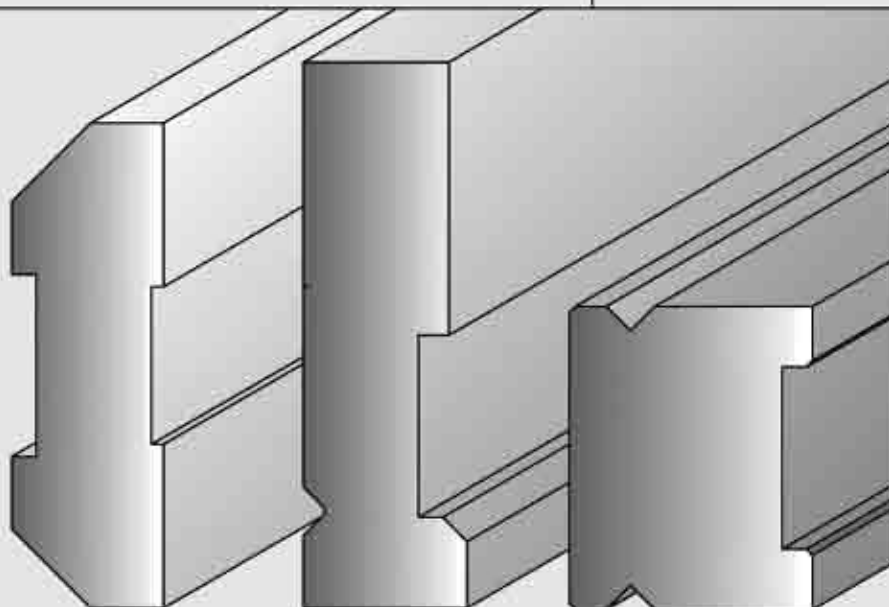
## ANSCHLÄGE HINTEN EINSTELLBAR FÜR ABKANTPRESSE ADJUSTABLE PRESS BRAKE BACK GAUGE

Lieferbar mit Anschluss (25 mm Durchmesser),  
Einfach- oder Doppelanschlag, 180 und 230 mm Länge  
und Einfachanschlag mit Sensor, Länge 230 mm.

Double or sample adjustable back gauges are  
available on 180 or 230 mm lengths, 25mm diameter.  
Adjustable back gauge for robot is available too, on  
230 mm length.

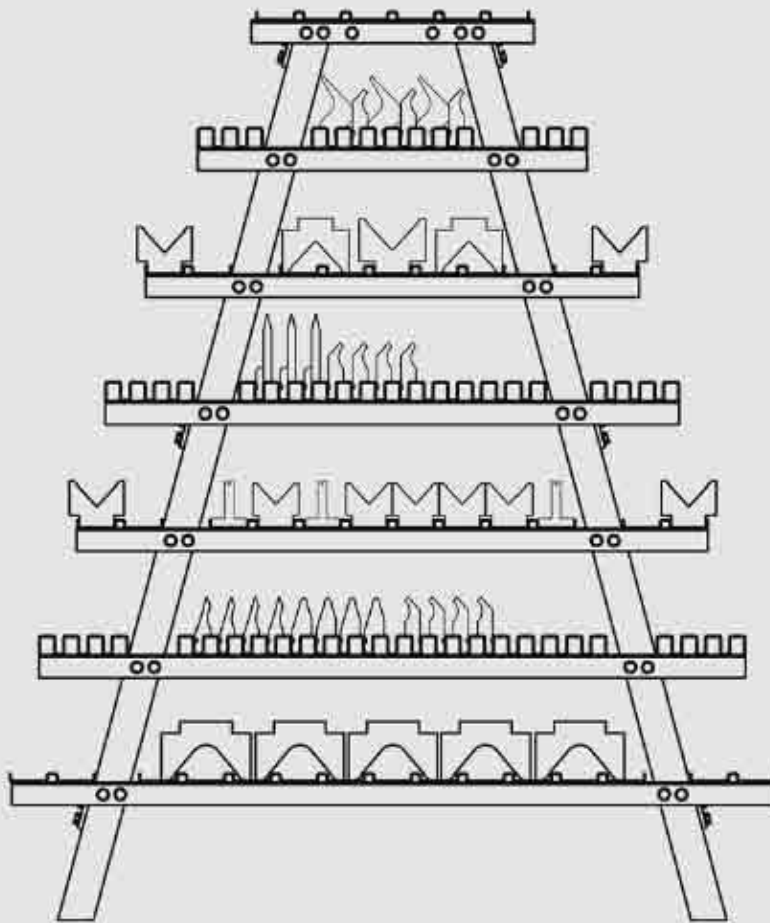


## WINKELMESSER MAGNETISCH MAGNETIC BENDING GONIOMETER



Auf Anfrage stellen wir  
Gleitschienen aus  
gehärtetem und  
geschliffenem Stahl in den  
unterschiedlichsten  
Querschnitten her, Länge bis  
8100 mm aus einem Stück.

On request we produce  
rectilinear  
slide guide on various shape,  
built of hardened and  
ground steel, until 8100 mm  
monoblock.



## WERKZEUGTRÄGERREGAL TOOLHOLDER STAND

### STEMPEL UND MATRIZEN TRÄGERREGAL

- Einfache und schnelle Montage
- Höchste Stabilität und Sicherheit
- Tragfähigkeit bis 90-100 Stempel und Matrizen verschiedener Modelle, ganz und zerlegt
- Mit Laufkran oder Stapler leicht verfahrbar
- Geringer Platzbedarf 90 x 130 cm
- Leichter Zugang und Handling der ganzen oder zerlegten Werkzeuge

### TOOLHOLDER STAND

- Simple and quick assembly
- Maximum stability and safety
- Capacity until 90-100 different models in one piece or in sections
- Easy displacement by an overhead traveling crane or by an elevating truck
- Restricted dimensions 90 x 130 cms
- Easy accessibility and bending tools handling



ABKANTWERKZEUGESHRANK LIEFEBAR FÜR:  
AMADA, BEYELER, LVD, COLLY, EHT,  
TRUMPF

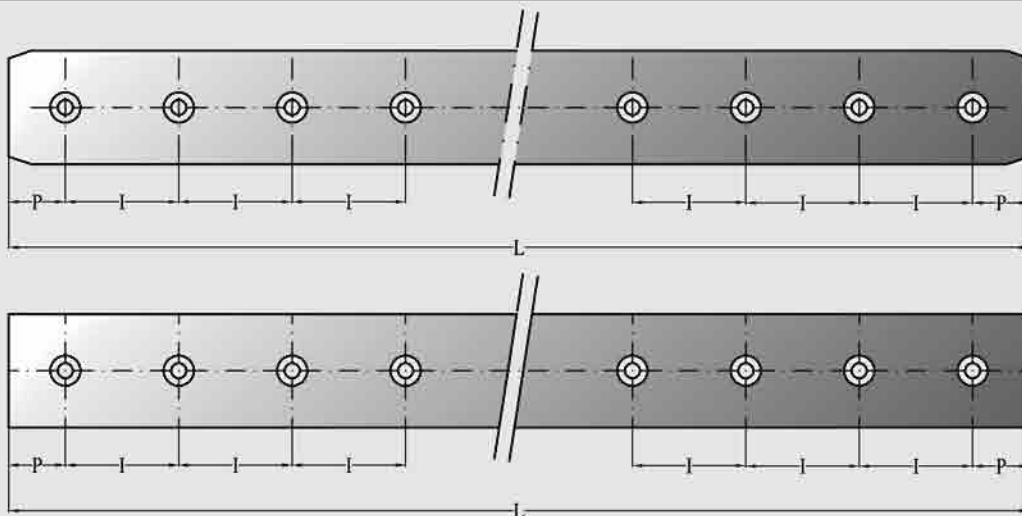
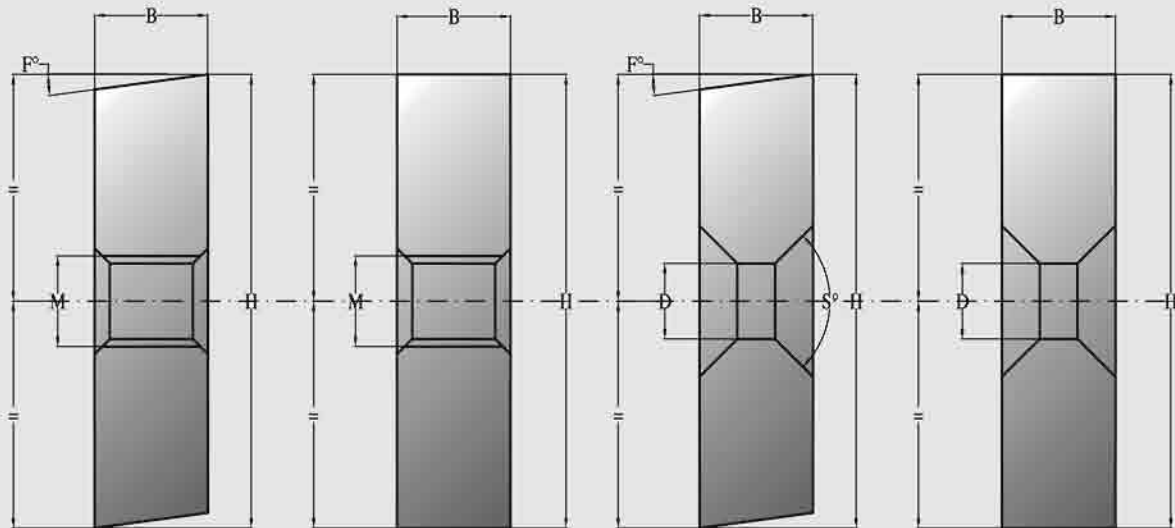
PRESS BRAKE TOOLING CABINET FOR:  
AMADA, BEYELER, LVD, COLLY, EHT, TRUMPF



# Shere klingen/Shear blades

In unserem Hause schleifen wir klingen für Scheren in 24-48 Stunden und auf Wunsch stellen wir klingen für alle Maschinenmarken und -modelle her. Für die Herstellung verwenden wir ausgewählte Qualitätsstähle, entsprechend den Schnitthanforderungen. Bei Ihren Anfragen bitten wir Sie, die gewünschten Merkmale anhand folgender Zeichnungen genau anzugeben:

We are able to give you a shear blade sharpening service in 24/48 hour in our factory and, on request we produce share blades for every kind of shearing machine. First quality steel are choosed for building as for needed sheet material cut and, for any enquiry please indicate the necessary features as for follows drawing:



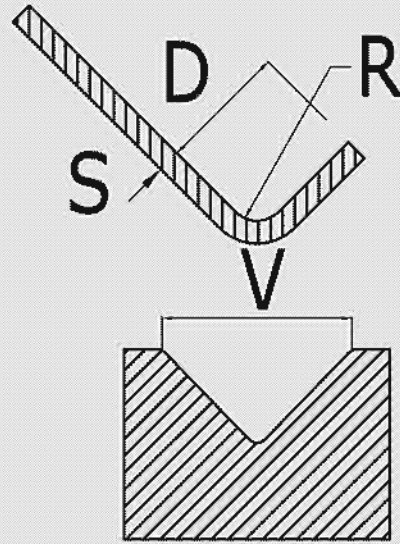
## Regenerierungs service/Repairing service



Wir bieten unseren Kunden auch einen wertvollen Regenerierungs- und Rückgewinnungsdienst für verschlissene Ausrüstungen mit eventuellem Austausch von nicht mehr brauchbaren Teilen.

An important repairing and rehabilitation service about worn tools is offered to our customer, with possible replacement of unrecoverable portion.

# Faltung tabelle/Bending chart



V	R	D	Dicke des Bleches/Sheet thickness																		
			0.5	0.8	1	1.2	1.5	2	2.5	3	4	5	6	8	10	12	15	20	25	30	
4	0.7	2.6	40	105																	
6	0.9	3.9	26	69	106	153															
8	1.5	5.2	20	55	80	115	180														
10	1.7	6.5		41	65	95	145	180													
12	2	7.8			55	80	120	215	335												
16	2.7	10.4				60	90	160	250	360											
20	3.4	13					75	130	200	290	520										
24	3.9	15.6						106	166	240	426	666									
30	5	20							140	190	340	540	770								
35	6	23								170	300	460	660								
40	7	26								150	260	400	580	1030							
50	8.5	32									210	320	460	820	1280						
55	9	36										300	420	750	1170						
60	10	39										270	390	690	1070						
70	11.7	45											330	590	920	1320					
80	13.5	52											290	520	800	1160	1800				
90	15	58												460	710	1030	1600				
100	17	65												410	640	930	1440				
120	20	78													540	770	1200				
140	24	91														660	1030	1830			
160	25	104															900	1598	2495		
200	31	130															719	1278	1997		
250	39	163																1022	1598	2300	
300	47	195																	852	1331	1917

P (kN/m)  
T=420-480 N/mm<sup>2</sup> (C=1)  
T=Widerstand des Bleches/Sheet strength

Optimale Bedingung/Optimal Condition

$P_1 = P \times C$