



Toolspress

high quality tooling systems

tools  **press**

LVD STYLE

Press Brake Tooling

www.toolspress.com

tools1press

Spirito d'Innovazione

Toolspress è leader mondiale nella progettazione e produzione di utensili e sistemi di bloccaggio di alta qualità, per presse piegatrici. Realizziamo prodotti all'avanguardia ed innovativi, sfruttando 30 anni di esperienza ed un ampio programma di produzione, con più di mille modelli standard, che ci permettono di valutare e risolvere le problematiche proposteci, ottimizzando i vostri sistemi di piegatura.

Toolspress è composta da Quattro importanti divisioni:

- Utensili Standard di Alta Precisione per Presse Piegatrici
- Utensili Speciali di Alta Precisione per Presse Piegatrici
- Sistemi di Bloccaggio per Presse Piegatrici
- Soluzioni Industriali per Presse Piegatrici
- Lame da cesoia

Queste quattro divisioni sono indipendenti e utilizzano le tecnologie più avanzate disponibili nel mercato mondiale, in questo modo possiamo garantire prodotti di alta qualità senza paragoni. La qualità Toolspress è ben conosciuta nel mercato mondiale da molti anni. I nostri clienti sono per noi partners tecnologici, grazie ad una stretta collaborazione, risolviamo e incrementiamo le loro performance di piegatura. Il mercato globale richiede sempre più tecnologia a prezzi molto competitivi e nel minor tempo possibile, per questi motivi la nostra società ricerca e sviluppa metodi di produzione che ci permettono di soddisfare le richieste dei nostri clienti.

The Spirit of Innovation

Toolspress is a world-class designer and manufacturer of high-quality press brake tooling and clamping system. We provide the most innovative products in the fabricators industries. Through a great manufacturing program with more than thousand standard model, we are able to guide your choice of the best bending system in the fastest time, due to the long experience we got in 30th years.

Toolspress has four important divisions:

- Precision Ground Standard Press Brakes Tooling
- Precision Ground Special Press Brakes Tooling
- Press Brakes Clamping System
- Industrial Solutions for Press Brakes
- Shear blades

These four divisions are independent and both use the ultimate technologies in manufacturing process available in the world market, in this way we can guarantee high precision quality products with no comparison. Toolspress quality is very well known in the world market since many years. Ours customers are for us technological partners, in fact through a tight cooperation they let us solve and improve their bending performance. The global market needs always more and more technology to a very competitive prices in the shortest time. In this way our company develops manufacturing methods that allow us to meet our costumers requirements.

The Spirit of Innovation

Toolspress® ist der weltweit führende Entwickler und Hersteller von qualitativ hochwertigen Abkantwerkzeugen und Werkzeug-Spannsysteme. Wir entwickeln und vertreiben die innovativsten Produkte im Bereich der Abkanttechnik. Durch unser großes Herstellungsprogramm mit über tausend Standardwerkzeugen sind wir in der Lage, das von Ihnen gewünschte Werkzeugsystem innerhalb kürzester Zeit zu liefern. Toolspress® verfügt über eine 30-jährige Erfahrung in der Abkanttechnik.

Toolspress® hat vier wichtige Bereiche:

- Präzisions Standard Abkantwerkzeuge
- Präzisions Spezial Abkantwerkzeuge
- Spannsysteme für Abkantwerkzeuge
- Industrielle Lösungen für Abkantpressen
- Shear blades

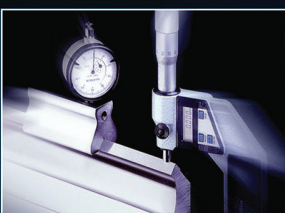
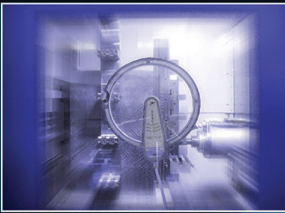
Diese vier Bereiche sind unabhängig, aber alle nutzen die neuesten auf dem Weltmarkt verfügbaren Fertigungstechnologie. Auf diese Weise können wir hochpräzise Qualitätsprodukte ohne Kompromisse garantieren.

Die Qualität von Toolspress® ist seit Jahren auf dem Markt bekannt.

Für uns sind unsere Kunden technologische Partner.

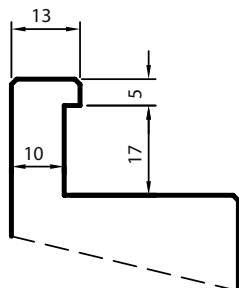
In enger Zusammenarbeit werden Lösungen erreicht und Abkanteleistungen verbessert.

Die globalen Marktanforderungen fordern immer mehr Technologien, zu wettbewerbsfähigen Preisen, in kürzester Zeit. Daher entwickeln wir ständig neue Herstellungsverfahren, die es uns erlauben den Kundenanforderungen zu entsprechen.

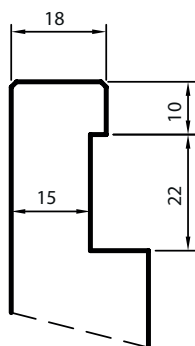


Attacco punzone Punch tang

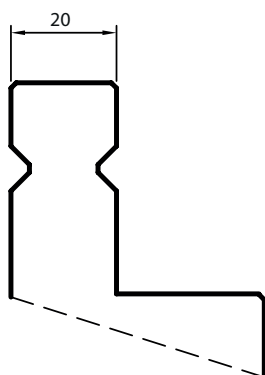
A



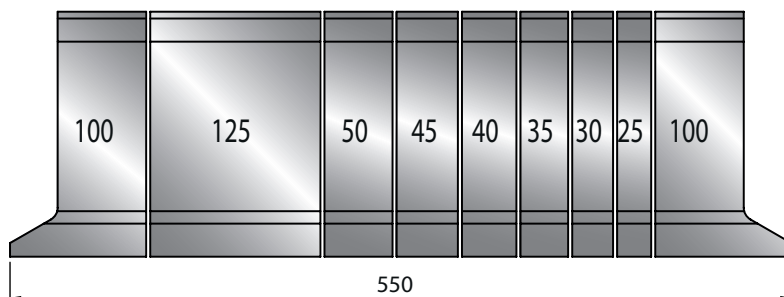
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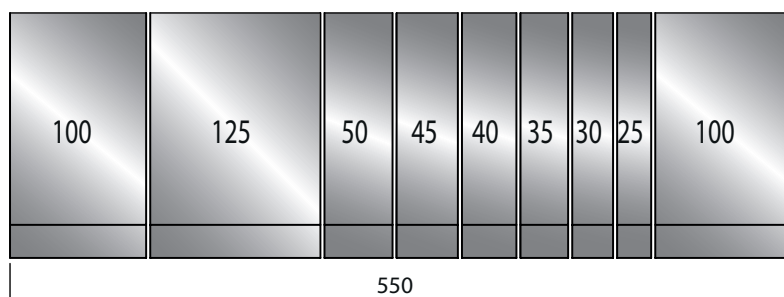
W



Frazionatura punzoni Punches available sections



Frazionatura matrici Dies available sections



Toolspress

42CRM04 Bonificato a 23-28 Hrc

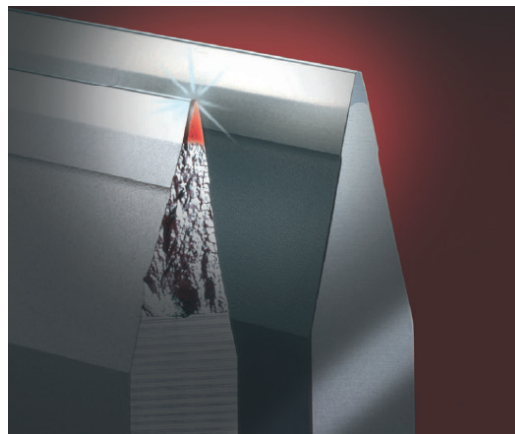
42CRM04 Hardening and Tempering to Hrc 23-28

42CRM04 Vergütet auf HRc 23-28

Temprato a Induzione a 55-58 Hrc

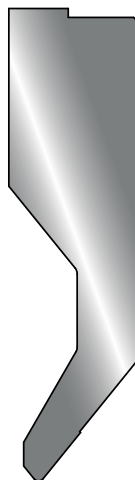
Induction Hardened to Hrc 55-58

Induktive gehartet auf HRc 55-58



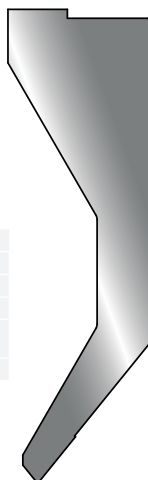
Punzoni - Punches - Stempel

LPC10-LPC10W



MOD.	LPC10	LPC10W
R	2	2
H	159	159
α	78°	78°
Attacco Tang type	A	W
kN/m	700	700

LPD10-LPD10W



MOD.	LPD10	LPD10W
R	1	1
H	159	159
α	78°	78°
Attacco Tang type	A	W
kN/m	400	400

LPE10-LPE10W



MOD.	LPE10	LPE10W
R	1	1
H	159	159
α	78°	78°
Attacco Tang type	A	W
kN/m	400	400

LPF10-LPF10W



MOD.	LPF10	LPF10W
R	1	1
H	159	159
α	26°	26°
Attacco Tang type	A	W
kN/m	400	400

LPJ10-LPJ10W



MOD.	LPJ10	LPJ10W
R	1	1
H	159	159
α	26°	26°
Attacco Tang type	A	W
kN/m	400	400

LPR10-LPR10W



MOD.	LPR10	LPR10W
R	2	2
H	159	159
α	78°	78°
Attacco Tang type	A	W
kN/m	800	800

LPP10.8-LPP10.8W



MOD.	LPPC10.8	LPPC10.8W
R	1	1
H1	169	169
H2	52	52
W	6,8	6,8
α	20°	20°
Attacco Tang type	A	W
kN/m _{90°}	400	400

LPP10.10-LPP10.10W



MOD.	LPPC10.10	LPPC10.10W
R	1	1
H1	169	169
H2	52	52
W	8,8	8,8
α	20°	20°
Attacco Tang type	A	W
kN/m _{90°}	400	400

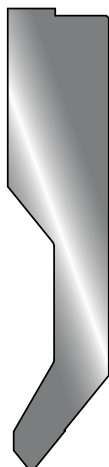
LPP10.12-LPP10.12W



MOD.	LPPC10.12	LPPC10.12W
R	1	1
H1	169	169
H2	52	52
W	10,8	10,8
α	20°	20°
Attacco Tang type	A	W
kN/m _{90°}	400	400

Punzoni - Punches - Stempel

LPC15-LPC15W



MOD.	LPC15	LPC15W
R	2	2
H	194	194
α	78°	78°
Attacco Tang type	B	W
kN/m	800	800

LPD15-LPD15W



MOD.	LPD15	LPD15W
R	2	2
H	194	194
α	78°	78°
Attacco Tang type	B	W
kN/m	750	750

LPE15-LPE15W



MOD.	LPE15	LPE15W
R	2	2
H	194	194
α	78°	78°
Attacco Tang type	B	W
kN/m	500	500

LPF15-LPF15W



MOD.	LPF15	LPF15W
R	2	2
H	194	194
α	26°	26°
Attacco Tang type	B	W
kN/m	500	500

LPJ15-LPJ15W



MOD.	LPJ15	LPJ15W
R	2	2
H	194	194
α	26°	26°
Attacco Tang type	B	W
kN/m	500	500

LPR15-LPR15W



MOD.	LPR15	LPR15W
R	3	3
H	194	194
α	78°	78°
Attacco Tang type	B	W
kN/m	1200	1200

LPP15.8-LPP15.8W



MOD.	LPPC15.8	LPPC15.8W
R	1	1
H1	214	214
H2	52	52
W	6,8	6,8
α	20°	20°
Attacco Tang type	A	W
kN/m_90°	400	400

LPP15.10-LPP15.10W



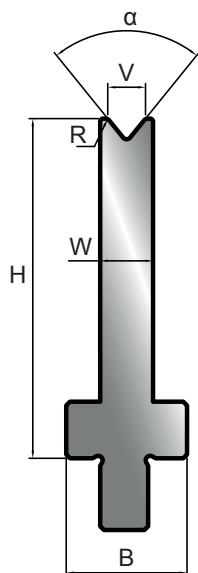
MOD.	LPPC15.10	LPPC15.10W
R	1	1
H1	214	214
H2	52	52
W	8,8	8,8
α	20°	20°
Attacco Tang type	A	W
kN/m_90°	400	400

LPP15.12-LPP15.12W

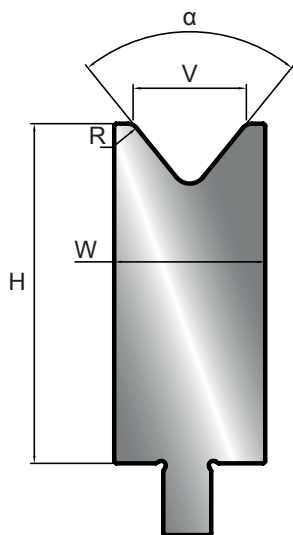


MOD.	LPPC15.12	LPPC15.12W
R	1	1
H1	214	214
H2	52	52
W	10,8	10,8
α	20°	20°
Attacco Tang type	A	W
kN/m_90°	400	400

Matrici - Dies

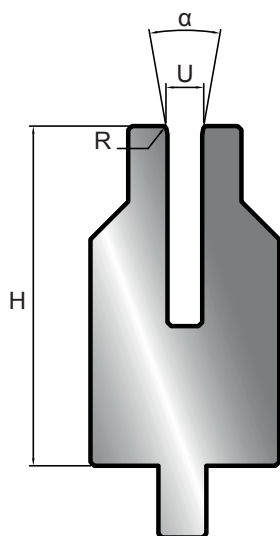
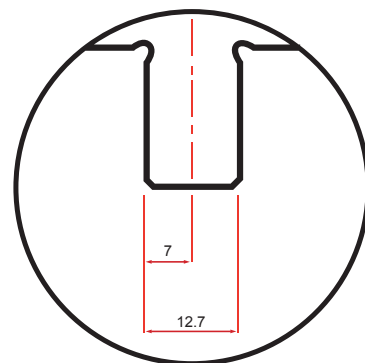


MOD.	V	α	W	B	R	H	kN/m
LM6.78	6	78	12	32	0,8	90/130	400
LM8.78	8	78	12	32	1	90/130	400
LM10.78	10	78	14	32	1,2	90/130	500
LM12.78	12	78	18	32	1,5	90/130	600
LM16.78	16	78	25	32	2	90/130	800
LM6.30	6	30	16	32	0,8	90/130	200
LM8.30	8	30	18	32	1	90/130	220
LM10.30	10	30	25	32	1,2	90/130	300



MOD.	V	α	W	R	H	kN/m
LM20.78	20	78	32	2,5	90/130	1000
LM24.78	24	78	32	3	90/130	1000
LM30.78	30	78	40	3	90/130	1100
LM40.78	40	78	50	3,5	90/130	1300
LM50.78	50	78	70	4	90/130	1500
LM60.78	60	78	70	5	90/130	1500
LM80.78	80	78	95	6	90/130	1500
LM100.78	100	78	120	8	90/130	1500
LM120.78	120	78	140	10	90/130	1500
LM12.30	12	30	32	1,5	90/130	380
LM16.30	16	30	32	2	90/130	380
LM20.30	20	30	40	2,5	90/130	380
LM24.30	24	30	45	3	90/130	550
LM30.30	30	30	56	4	90/130	550
LM40.30	40	30	76	5	90/130	600
LM50.30	50	30	95	6	90/130	780
LM30.60	30	60	42	3	90/130	500
LM40.60	40	60	55	3,5	90/130	660
LM50.60	50	60	70	4	90/130	1050
LM60.60	60	60	80	5	90/130	1350
LM80.60	80	60	102	6	90/130	1750
LM100.60	100	60	125	8	90	1500
LM120.60	120	60	140	10	90	1300

Attacco matrice
Die tang

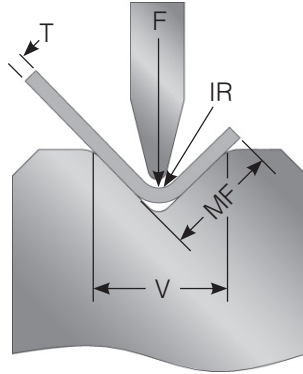


MOD.	U	α	R	H	kN/m
LHD08	8	20	1	90/130	350
LHD10	10	20	1	90/130	350
LHD12	12	20	1	90/130	350

Press Force Table

Required Press Force for 90° Air Bends

T = Material Thickness
F = Press Force (kN/m)
IR = Inside Radius
MF = Minimum Flange
V = Die V Opening



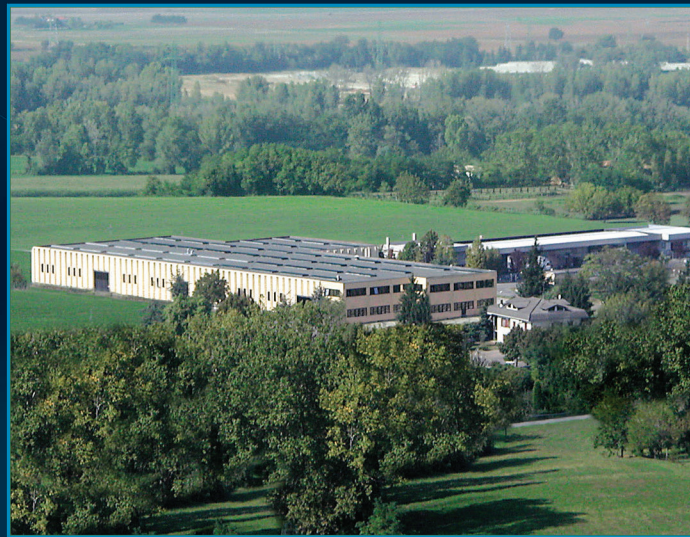
Notes

- * Optimum Die
- F in kN
- T, MF, V, IR in mm

		Material 400 N / mm² Mild Steel																
		6	8	10	12	16	20	24	30	40	50	60	70	80	90	100	120	V
		4.5	6	7.5	9	12	15	18	22.5	30	37.5	45	52.5	60	67.5	75	90	MF
Material Thickness		1	1.3	1.6	1.9	2.6	3.2	3.8	4.8	6.4	8	9.6	11	13	14	16	19	IR
	0.75	52*	39	31	26													F / m
	1	93	70*	56	47	35												
	1.25	145	109	87*	73	55	44											
	1.5	209	157	126	105*	79	63											
	1.75		214	171	143*	107	86	71										
	2			223	186	140*	112	93										
	2.5				291	218	175*	145	116									
	3					314	251	209*	168	126								
	3.5					428	342	285	228*	171	137							
	4						447	372	298*	223	179	149						
	4.5						566	471	377	283*	226	189	162					
	5								466	349*	279	233	200	175				
	6								670	503	402*	335	287	251	223			
	7									684	547*	456*	391	342	304	274		
	8										715	596*	511*	447	397	358	298	
	10												798*	698*	621	559	466	
12													1005	894*	804*	670		

		Material 700 N / mm² Stainless Steel																
		6	8	10	12	16	20	24	30	40	50	60	70	80	90	100	120	V
		4.5	6	7.5	9	12	15	18	22.5	30	37.5	45	52.5	60	67.5	75	90	MF
		1	1.3	1.6	1.9	2.6	3.2	3.8	4.8	6.4	8	9.6	11	13	14	16	19	IR
Material Thickness	0.75	87*	65	52	44													F / m
	1	155	116*	93	78	58												
	1.25	242	182	145*	121	91	73											
	1.5	349	262	209	175*	131	105											
	1.75		356	285	238*	178*	143	119										
	2			372	310	233*	186	155										
	2.5				485	364	291*	242	194									
	3					524	419	349*	279	209								
	3.5						570	475	380*	285	228							
	4							621	497*	372	298	248						
	4.5								628	471*	377	314	269					
	5									582*	466	388	333	291				
	6									838	670*	559	479	419				
	7										912*	760*	652	570	507			
	8										1192	993*	851*	745	662	596		
10												1330*	1164*	1034	931	776		
12														1675	1490*	1340*	1118	

TOOLSPRESS IN THE WORLD



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