Toolspress

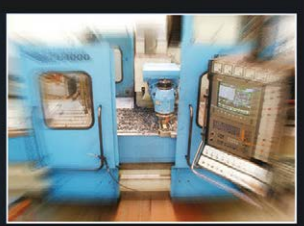
high quality tooling systems

toolspress

LVD STYLE

Press Brake Tooling

www.toolspress.com



toolspress

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 methodsthat 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 gewünschten 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*

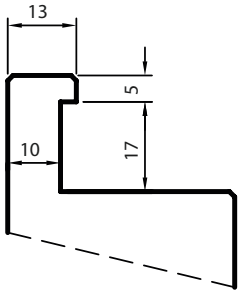
Diese vier Bereiche sind unabhängig, aber alle nutzen die neuesten auf dem Weltmarkt verfügbaren Fertigungstechnologie. Auf diese Weise können wir hochpräzise Qualitätsprodukte ohne Kompromisse garantieren. Die Qualität von Toolspress® ist seit Jahren auf dem Markt bekannt. Für uns sind unsere Kunden technologische Partner. In enger Zusammenarbeit werden Lösungen erreicht und Abkantleistungen 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.

Punzoni - Punches - Stempel

Informazioni tecniche - Technical information - Technoshe informationen

Attacco punzone
Punch tag

10



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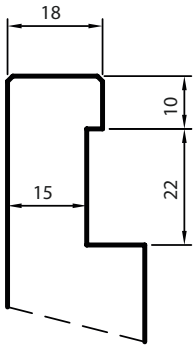

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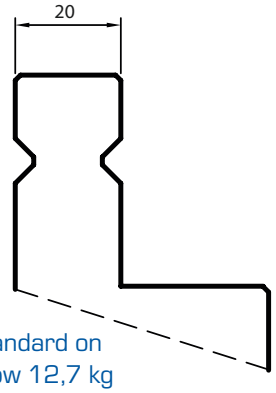
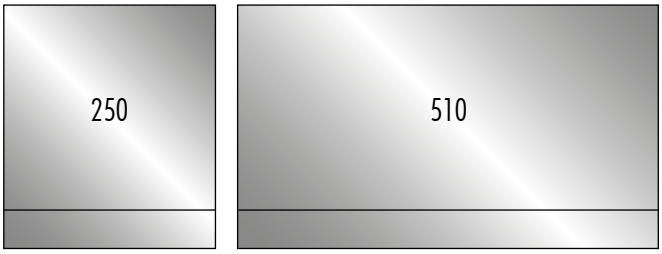
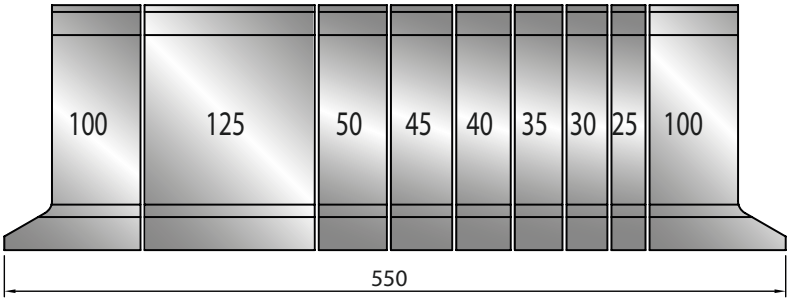


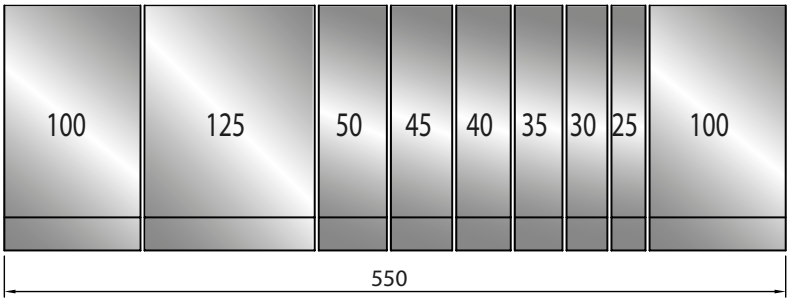
Safety clicks standard on
all punches below 12,7 kg

Frazionatura punzone
Punches available sections





Frazionatura matrici
Dies available sections



Toolspress

42CRM04 Bonificato a 23-28 Hrc

42CRM04 Hardening and Tempering to Hrc 23-28

42CRM04 Vergutet auf HRc 23-28

Temprato a Induzione a 55-58 Hrc

Induction Hardened to Hrc 55-58

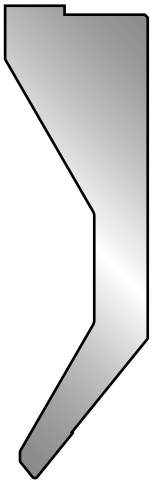
Induktive gehartet auf HRc 55-58

toolspress
Press Brake Tooling & Accessories

Contact: Tel: +39 0521 850510 | Fax: +39 0521 850796 | email: sales@toolspress.com

Punzoni - Punches - Stempel

LPD10-LPD10W



MOD	LPD10		LPD10W	
R	1	2	1	2
H	159		159	
a	78°		78°	
kN/m	400	750	400	750

LPE10-LPE10W

MOD	LPE10		LPE10W	
R	1	2	1	2
H	159		159	
a	78°		78°	
kN/m	400	680	400	680

LPJ10-LPJ10W

MOD	LPJ10		LPJ10W	
R	1	2	1	2
H	159		159	
a	26°		26°	
kN/m	400	600	400	600

LPR10-LPR10W

MOD.	LPR10	LPR10W
R	2	2
H	159	159
a	26°	26°
kN/m	800	800

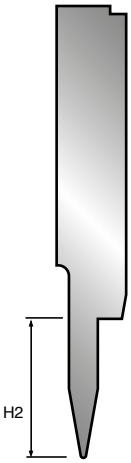
LPP10.8-LPP10.8W

MOD.	LPP10.8	LPP10.8W
R	1	1
H1	169	169
H2	52	52
W	6,8	6,8
a	20°	20°
kN/m_90°	400	400

LPP10.10-LPP10.10W

MOD.	LPP10.10	LPP10.10W
R	1	1
H1	169	169
H2	52	52
W	8,8	8,8
a	20°	20°
kN/m_90°	400	400

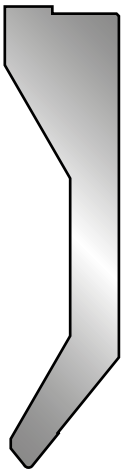
LPP10.12-LPP10.12W



MOD.	LPP10.12	LPP10.12W
R	1	1
H1	169	169
H2	52	52
W	10,8	10,8
a	20°	20°
kN/m_90°	400	400

Punzoni - Punches - Stempel

LPD15-LPD15W



MOD	LPD15		LPD15W	
R	1	2	1	2
H	194		194	
a	78°		78°	
kN/m	400	750	400	750

LPE15-LPE15W

MOD	LPE15		LPE15W	
R	1	2	1	2
H	194		194	
a	78°		78°	
kN/m	400	680	400	680

LPJ15-LPJ15W

MOD	LPJ15		LPJ15W	
R	1	2	1	2
H	194		194	
a	78°		78°	
kN/m	400	600	400	600

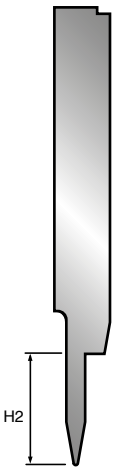
LPR15-LPR15W

MOD.	LPR15	LPR15W
R	3	3
H	194	194
a	26°	26°
kN/m	1200	1200

LPP15.8-LPP15.8W

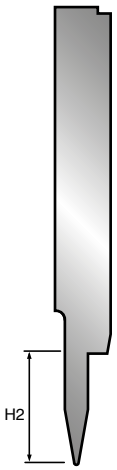
MOD.	LPP15.8	LPP15.8W
R	1	1
H1	214	214
H2	52	52
W	6,8	6,8
a	20°	20°
kN/m_90°	400	400

LPP15.10-LPP15.10W



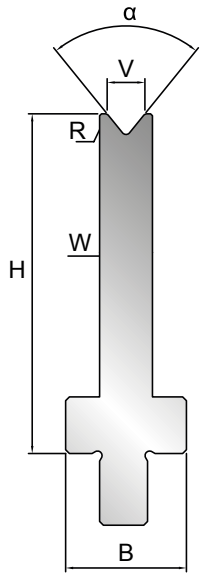
MOD.	LPP15.10	LPP15.10W
R	1	1
H1	214	214
H2	52	52
W	8,8	8,8
a	20°	20°
kN/m_90°	400	400

LPP15.12-LPP15.12W

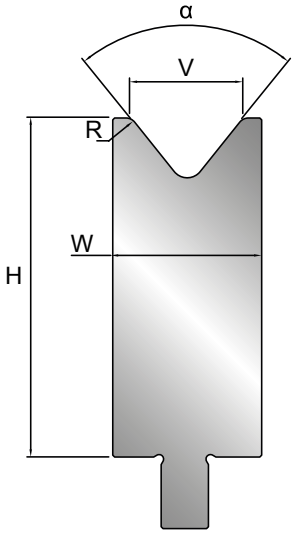


MOD.	LPP15.12	LPP15.12W
R	1	1
H1	214	214
H2	52	52
W	10,8	10,8
a	20°	20°
kN/m_90°	400	400

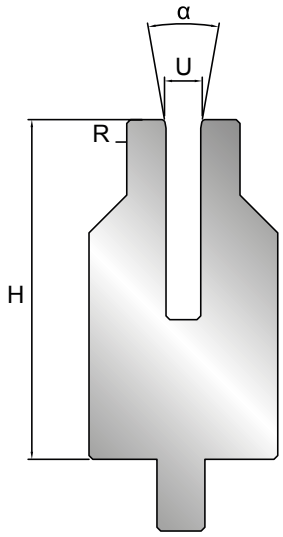
Matrici - Dies



MOD	V	α	W	B	R	H	kN/m_90°
LM6.78	6	78	10	26	0,8	90/130	280
LM8.78	8	78	12	26	1	90/130	320
LM10.78	10	78	14	26	1,2	90/130	360
LM12.78	12	78	18	26	1,5	90/130	500
LM6.30	6	30	14	26	0,8	90/130	250
LM8.30	8	30	16	26	1	90/130	260
LM10.30	10	30	22	26	1,2	90/130	360

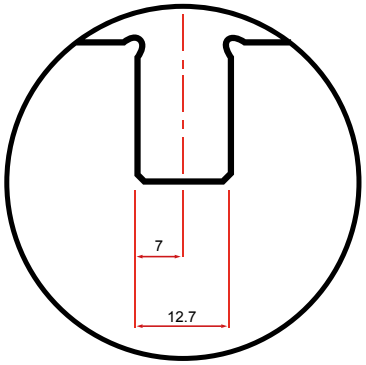


MOD.	V	α	W	R	H	kN/m
LM16.78	16	78	25	32	90/130	700
LM20.78	20	78	32	2,5	90/130	750
LM24.78	24	78	32	3	90/130	930
LM30.78	30	78	40	3	90/130	1150
LM40.78	40	78	50	3,5	90/130	1350
LM50.78	50	78	70	4	90/130	1500
LM60.78	60	78	70	5	90/130	1500
LM80.78	80	78	95	6	90/130	1500
LM100.78	100	78	120	8	90/130	1500
LM120.78	120	78	140	10	90/130	1500
LM12.30	12	30	32	1,5	90/130	460
LM16.30	16	30	32	2	90/130	510
LM20.30	20	30	40	2,5	90/130	680
LM24.30	24	30	45	3	90/130	930
LM30.30	30	30	56	4	90/130	1100
LM40.30	40	30	76	5	90/130	1400
LM50.30	50	30	95	6	90/130	1350



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

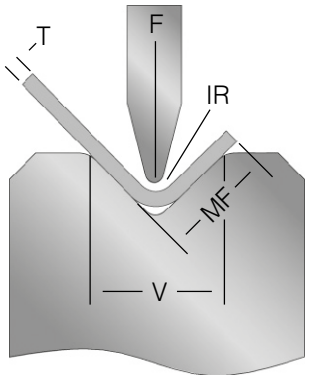
Attacco matrice
Die tang



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

Material Thickness		68		10	12	16	20	24	30	40	50	60	70	80	90	100	120	V
		4.56		7.59		12	15	18	22.53	0	37.54	5	52.56	0	67.57	59	0M	F
		11	.3	1.61	.9	2.63	.2	3.84	.8	6.48		9.61	11	31	41	61	9I	R
	0.75	52*	39	31	26													
	19	3	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							F / m
	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

Material Thickness		68		10	12	16	20	24	30	40	50	60	70	80	90	100	120	V
		4.56		7.59		12	15	18	22.53	0	37.54	5	52.56	0	67.57	59	0M	F
		11	.3	1.61	.9	2.63	.2	3.84	.8	6.48		9.61	11	31	41	61	9I	R
	0.75	87*	65	52	44													
	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							F / m
	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	

Contact: Tel: +39 0521 850510 | Fax: +39 0521 850796 | email: sales@toolspress.com

TOOLSPRESS IN THE WORLD

Scule pentru abkanturi LVD
Distribuitor: SM TECH https://www.sm-tech.ro

Tp Tooling srl - Via Argini, 17 - S. Maria del Piano - 43037 Lesignano dè Bagni - Parma - ITALY
Tel: +39 0521 850510 - Fax: +39 0521 850796
E-mail: sales@toolspress.com
Skype: sales.toolspress