

AMG
TOOLS SERVICE



UTENSILI
E ATTREZZATURE
PER PRESSE PIEGATRICI

*PRESS BRAKE
TOOLING
AND EQUIPMENT*

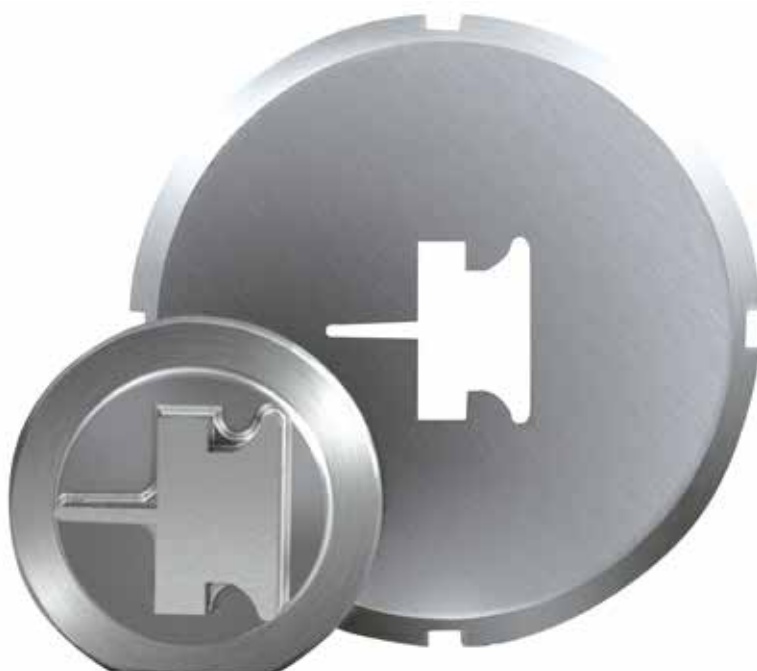


AFFIDABILITÀ MECCANICA GLOBALE / GLOBAL MECHANICAL RELIABILITY

La rete di vendita è rappresentata da professionisti del settore che offrono una consulenza costante e competente anche dal punto di vista tecnico. Per AMG è fondamentale consigliare al meglio i propri clienti e fornire la soluzione ottimale per le loro esigenze.

AMG sales force is made of an experienced team that gives technical and qualified advice to the customers.

AMG tools believes that it is important to follow at best the clients giving them the right solution to their needs.



LA NOSTRA LINEA PRODOTTI OUR PRODUCTS LINE

UTENSILI PER PUNZONATRICI
TOOLS FOR PUNCHING MACHINES



SERVIZI DI AFFILATURA
REGRINDING SERVICE



JETFORM
JETFORM



STAMPI
MOULDS



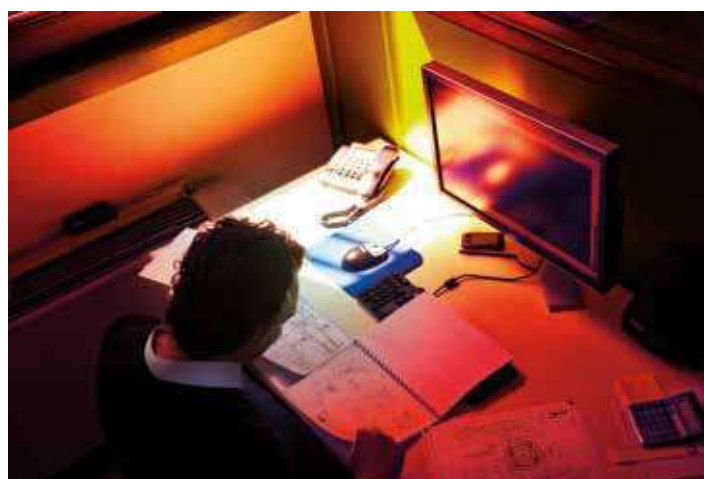
UTENSILI PER PRESSOPIEGATRICI
TOOLS FOR PRESS-BRAKE MACHINES



RICAMBI LASER
SPARE-PARTS FOR LASER



SOFTWARE CAD/CAM
CAD/CAM SOFTWARES





UTENSILI PER PUNZONATRICI / TOOLS FOR PUNCHING MACHINES

AMG offre ai propri clienti esclusivamente utensili di prima qualità e dalla lunga durata grazie agli ottimi materiali utilizzati dal partner con cui collabora. AMG propone soluzioni complete per macchine punzonatrici a controllo numerico quali ad esempio Amada, Euromac, Finn-Power, Murata Wiedemann, Trumpf®, Rainer, Technology, così come utensili per: Boschert, Rainer Manuale, Nisshimbo, Omes-Haco, Behrens, Fim, Imac, Simasv, Ficep, Omera, Geka, Ims, Vem-Mubea, Ogura e molte altre.

AMG offers to its customers only first quality and long lasting tools, thanks to the best quality of the materials used by the partners with whom it cooperates. AMG proposes complete solutions for CNC punching machines such as Amada, Euromac, Finn-Power, Murata Wiedemann, Trumpf, Rainer, Technology, so that tools for: Boschert, Rainer Manuale, Nisshimbo, Omes-Haco, Behrens, Fim, Imac, Simasv, Ficep, Omera, Geka, Ims, Vem-Mubea, Ogura and much more.



SERVIZIO DI AFFILATURA / REGRINDING SERVICE

Affilare gli utensili permette una maggior durata degli stessi così come una maggior qualità dei pezzi prodotti. Un utensile non affilato comporta un'usura esponenziale dello stesso, così come una scarsa qualità della lavorazione. AMG offre un rapido servizio di affilatura dei vostri utensili usurati. L'affilatura, però, potrebbe anche essere eseguita dagli stessi operatori della punzonatrice grazie a una macchina affilatrice altamente performante e di facile utilizzo che possiamo fornirvi dopo aver valutato le vostre esigenze.

Regrinding tools permits a longer life so that a better quality of the pieces produced. It is known that unsharpened tools are subject to wear and causes a poor quality of the punching work. AMG offers a fast service for regrinding ruined tools. However, the sharpening of the tools could be made also by the operators of the punching machine, thanks to a regrinding machine highly performant and easy to use that we can offer after having evaluated the real needs.





JETFORM / JETFORM



Per ottimizzare il processo di deformazione della lamiera, AMG offre ai suoi clienti la possibilità di eseguire tale operazione con gli utensili della linea Jetform per quanto riguarda le punzonatrici, oppure stampi ad hoc dedicati per pressopiegatrici e presse in generale.

For optimizing the process of deformation of metal sheets, AMG offers to its customers the opportunity of using the tools of Jetform line as regards punching machines, while for press-brake machines there are specific moulds



STAMPI / MOULDS

AMG vanta un team di tecnici di comprovata esperienza, in grado di fornire la giusta consulenza per la realizzazione di stampi a seconda delle necessità del cliente e del tipo di lavorazione desiderata. AMG segue il cliente dalla progettazione alla realizzazione effettiva di ciascun progetto, fornendo un servizio a 360 gradi.

AMG counts on a technical team with a long experience, that gives the right advice and assistance for the planning of moulds according to the needs of the customers and to the kind of work wanted. AMG gives to its customers an all-around service: from the project to the finished mould.





RICAMBI LASER / SPARE-PARTS FOR LASER

Anche nel campo dei ricambi laser AMG ha selezionato un partner efficiente ed affidabile per quanto riguarda la ricambistica necessaria ai laser.

Also in the field of spare-parts for laser, AMG has selected a reliable and efficient partner as regards all the spares needed to the laser cut

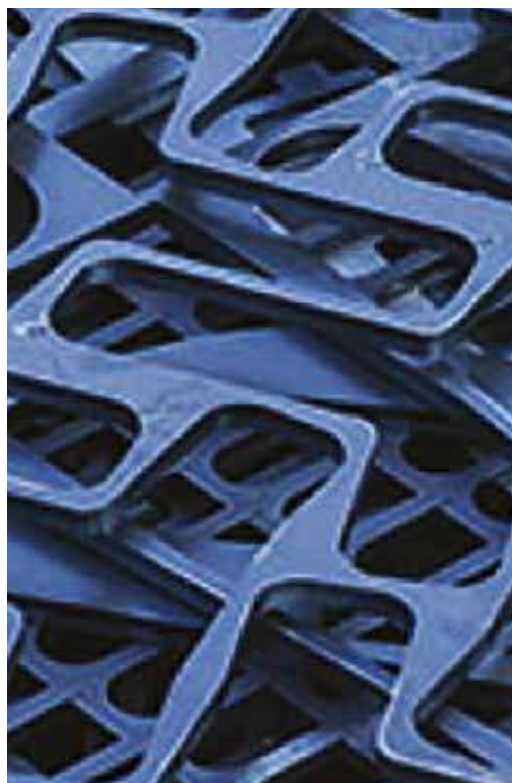


SOFTWARE CAD-CAM / CAD-CAM SOFTWARE



Metalix consente il migliore utilizzo dei materiali con AutoNest, il software di Nesting automatico. AutoNest è un potente strumento di Nesting di forma reale con una vasta gamma di metodi versatili per il miglior Nesting automatico e manuale. In pochi minuti AutoNest crea una soluzione complessa ed efficiente per le tue parti, tenendo conto degli attributi della parte e delle preferenze impostate. Le parti possono essere file nativi di cncKad, o disegni importati DXF, DWG, ecc.

The partner that AMG has chosen for softwares is Metalix. It offers optimal material utilization with AutoNest, the automatic nesting software. AutoNest is a powerful true shape nesting tool with a range of versatile methods for the best possible automatic and manual nesting. Within a few minutes AutoNest creates a complex and efficient solution for your parts, taking into account part attributes and your preferences. Your parts can be native cncKad, or imported DXF, DWG, etc.



AMADA PROMECAM STYLE

PU1NZONI / PUNCHES	Scarpette mobili / <i>Moving horns</i>	15
	Modifiche a richiesta / <i>Modifications on request</i>	16
	Punzoni / <i>Punches</i> 88°	17-24
	Punzoni / <i>Punches</i> 85°	25-27
	Punzoni / <i>Punches</i> 75°	28
	Punzoni / <i>Punches</i> 60°	29-32
	Punzoni / <i>Punches</i> 45°	33
	Punzoni / <i>Punches</i> 35°	34
	Punzoni / <i>Punches</i> 30°	35-37
	Punzoni / <i>Punches</i> 26°	38
MATRICI / DIES	Modifiche a richiesta / <i>Modifications on request</i>	40
	Rialzi per matrici 2V / <i>Die holders for 2V dies</i>	41
	Rialzi per matrici autocentranti / <i>Die holders for self centering dies</i>	42
	Fermo per matrici autocentranti / <i>Fixed bar for self centering dies</i>	42
	Esempio di montaggio / <i>Assembly example</i>	42
	Matrici 2V / <i>2V dies</i> 88°	43
	Matrici 2V / <i>2V dies</i> 60°/30°	44
	Matrici 2V autocentranti / <i>2V self centering dies</i>	45
	Matrici 2V L 90° / <i>2V dies 90°</i>	46
	Matrici 3U / <i>3U dies</i>	46
	Matrici 4V L / <i>4V L dies</i>	47
	Matrici 1V / <i>1V dies</i> 85°	48
	Matrici 1V / <i>1V dies</i> 80°	49
	Matrici 1V / <i>1V dies</i> 70°	50
	Matrici 1V / <i>1V dies</i> 60°	51
	Matrici 1V / <i>1V dies</i> 45°	52-53
	Matrici 1V / <i>1V dies</i> 30°	53
	Matrici a T H80 / <i>T dies H80</i> 88°	54-55
	Matrici a T H80 / <i>T dies H80</i> 85°	56-57
	Matrici a T H80 / <i>T dies H80</i> 60°	58-59
	Matrici a T H80 / <i>T dies H80</i> 45°	60-61
	Matrici a T H80 / <i>T dies H80</i> 30°	62-63
	Matrici a T H120 / <i>T dies H120</i> 88°	64-65
	Matrici a T H120 / <i>T dies H120</i> 85°	66-67
	Matrici a T H120 / <i>T dies H120</i> 60°	68-69
	Matrici a T H120 / <i>T dies H120</i> 45°	70-71
	Matrici a T H120 / <i>T dies H120</i> 30°	72-73
	Supporto per inserti matrici / <i>Die inserts holder</i>	74
	Inserti matrice / <i>Die inserts</i> 88°	75-76
	Inserti matrice / <i>Die inserts</i> 60°	77-78
	Inserti matrice / <i>Die inserts</i> 30°	79-80
	Piegasciaccia / <i>Flattening hemming tools</i>	81-83

WILA TRUMPF STYLE

PUNZONI / PUNCHES	Modifiche a richiesta / Modifications on request	88
	Punzoni / Punches 86°	92-94
	Punzoni / Punches 80°	95
	Punzoni / Punches 60°	95
	Punzoni / Punches 28°	96-98
	Punzoni / Punches 26°	98
	Pulsanti / Safety buttons	99

MATRICI / DIES	Modifiche a richiesta / Modifications on request	100-104
	Matrici 1V / 1V dies H 100 86°	105-107
	Matrici 1V / 1V dies H 100 80°	108
	Matrici 1V / 1V dies H 100 30°	109-110
	Matrici 1V / 1V dies H 100 86°	111-113
	Matrici 1V / 1V dies H 100 84°	114-115
	Matrici 1V / 1V dies H 100 80°	116
	Matrici 1V / 1V dies H 100/120 80°	117
	Matrici 1V / 1V dies H 120 60°	118
	Matrici 1V / 1V dies H 100 30°	119-121
	Matrici 1V / 1V dies H 150 86°	122-123
	Matrici 1V / 1V dies H 150 30°	124-125
	Piegaschiaccia / Flattening hemming tools	126-128

WILA STYLE

PUNZONI / PUNCHES	Modifiche a richiesta / Modifications on request	130-131
	Punzoni / Punches 86°	132
	Punzoni / Punches 80°	133-134
	Punzoni / Punches 60°	135
	Punzoni / Punches 28°	136

MATRICI / DIES	Modifiche a richiesta / Modifications on request	137-138
	Matrici / dies 86°	139-142
	Matrici / dies 80°	143
	Matrici / dies 30°	144-147

BYSTRONIC STYLE

PUNZONI / PUNCHES	Modifiche a richiesta / Modifications on request	150-151
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BYSTRONIC R	Punzoni / Punch type R 86°	152
	Punzoni / Punch type R 85°	152
	Punzoni / Punch type R 30°	153-154
	Punzoni / Punch type R 28°	154

BYSTRONIC RF-A	Punzoni / Punch type R 88°	155
	Punzoni / Punch type R 30°	156

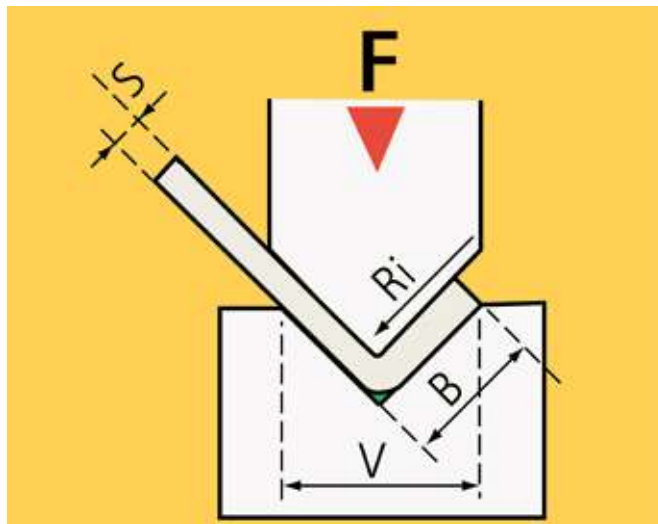
MATRICI / DIES	Modifiche a richiesta / Modifications on request	158
	Matrici 1V / 1V dies 88°	159
	Matrici 1V / 1V dies 85°-60°	160
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Lame per cesoia / <i>Shear blades</i>	214
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$$\mathbf{F} = \frac{\mathbf{S}^2 \times 2 \times \mathbf{R}}{1.4 \times \mathbf{V}} = \dots \text{ ton/m}$$



S	Spessore lamiera - mm Sheet metal thickness - mm
V	Larghezza del V V-opening
F	Forza in T/m Force in T/m
B	Bordo minimo Shortest edge
Ri	Raggio interno Inside radius
R	Alluminio 20-25 kg/mm ² Aluminium 20-25 kg/mm ²
R	Acciaio dolce 40-45 kg/mm ² Mild steel 40-45 kg/mm ²
R	Inox 65-70 kg/mm ² Stainless steel 65-70 kg/mm ²

Relazione tra spessore lamiera e larghezza V
Sheet metal thickness / V-shape width ratio

S	Spessore lamiera - mm Sheet metal thickness - mm	0,5-2,5	3-8	9-10	12 o più 12 or more
V	Larghezza del V "V" width	6 S	8 S	10 S	12 S

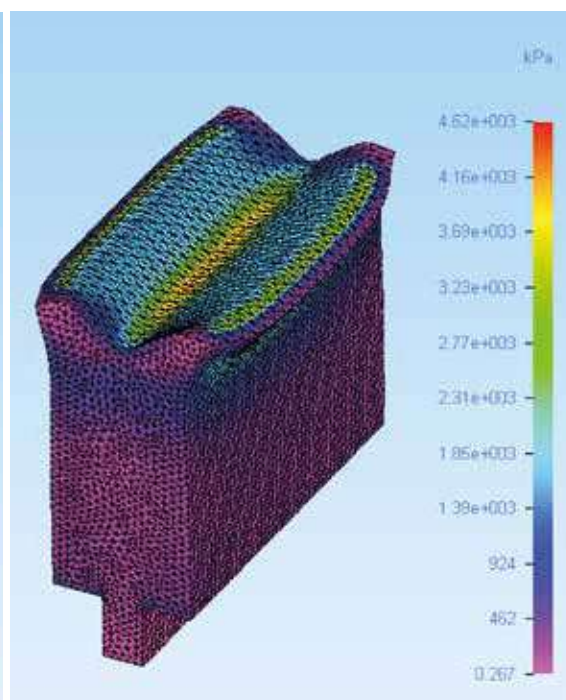
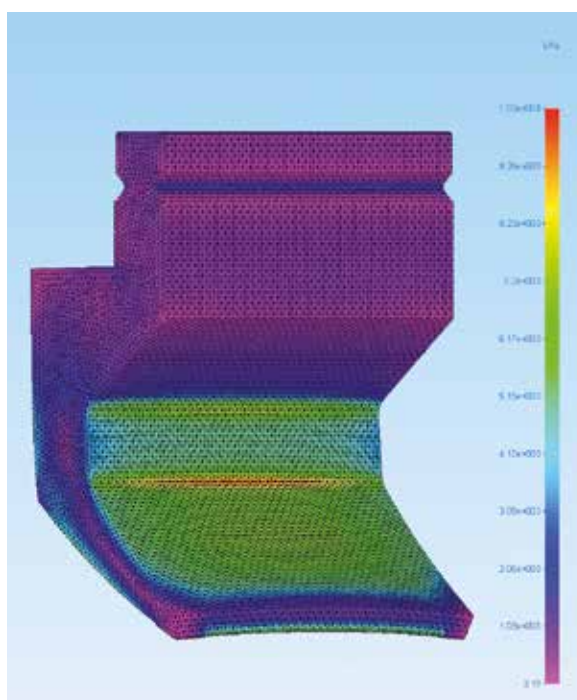


Tabella di piegatura in aria - Acciaio dolce / Air bending table - Mild Steel

S	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	160	200	250	V
	2,8	4	5	5,5	7	8,5	10	11	13,5	14	17,5	22	28	35	45	55	71	89	113	140	175	B
	0,7	1	1,1	1,3	1,6	2	2,3	2,6	3	3,3	4	5	6,5	8	10	13	16	20	26	33	41	Ri
mm																						
0,5	4	3																				
0,6	6	4	4	4																		
0,8		7	7	5	4																	
1		11	10	8	7	6																
1,2			14	12	10	8	7	6														
1,5				20	17	15	13	11	10	9												
2						22	19	17	15	13	11											
2,5								28	25	22	18	14										
3									34	30	24	19	15									
3,2										34	27	22	17	14								
3,5											33	26	20	16	13							
4											43	34	27	21	17							
4,5												44	34	27	21							
5												52	42	33	26	21						
6													60	48	38	30	24					
8													107	85	68	53	43					
10																85	67	53	42			
12																	96	78	60	55		
15																	150	120	95	75		
20																		215	170	135	108	
25																				210	170	
30																					240	

t/m

Tabella di piegatura in aria - Acciaio inox / Air bending table - Stainless Steel

S	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	160	200	250	V
	2,8	4	5	5,5	7	8,5	10	11	13,5	14	17,5	22	28	35	45	55	71	89	113	140	175	B
	0,7	1	1,1	1,3	1,6	2	2,3	2,6	3	3,3	4	5	6,5	8	10	13	16	20	26	33	41	Ri
mm																						
0,5	6	5																				
0,6	9	6	6	6																		
0,7	12	8	8	6	6																	
0,8		11	11	8	7																	
0,9		13	12	10	8	7																
1		17	15	12	11	8																
1,2			21	18	15	12	11	9														
1,5						20	17	15	13	12												
2						33	29	26	23	20	17											
2,5								39	35	30	25	19										
3									51	45	36	29	23									
4											65	51	41	32	26							
5												78	63	50	39	32						
6													90	72	57	45	36					
8															102	81	65	51				
10																129	101	80	63			
12																	144	117	90	83		
15																		180	141	114		
20																			250	208	167	
25																				315	255	
30																					360	

t/m

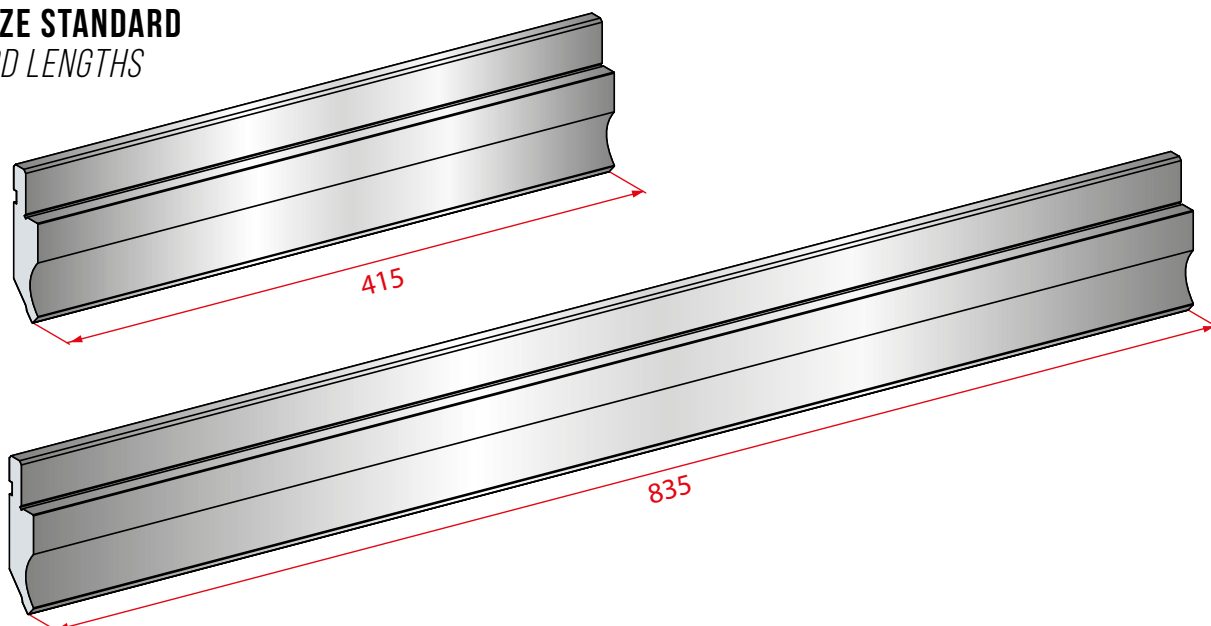




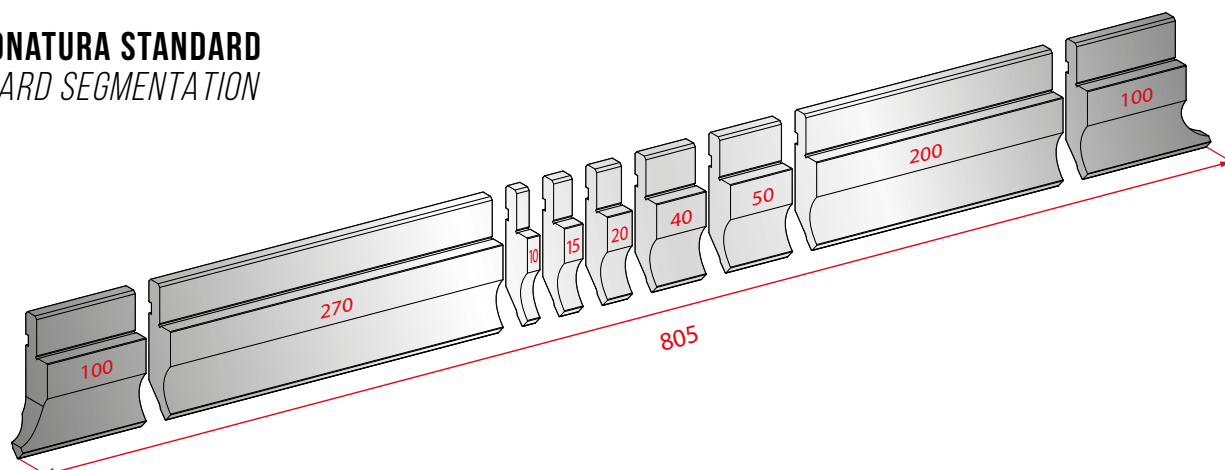
AMADA

PROMECAM STYLE INDEX

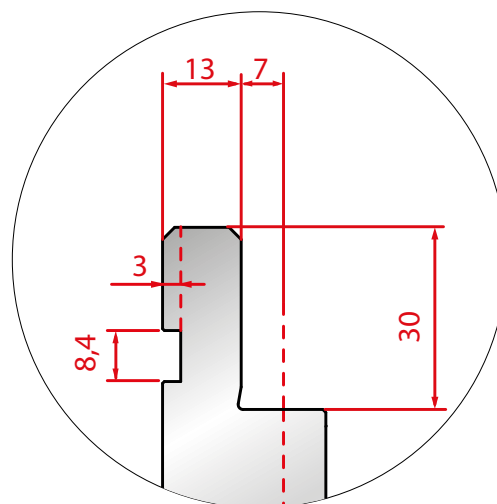
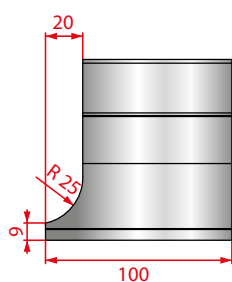
LUNGHEZZE STANDARD
STANDARD LENGTHS

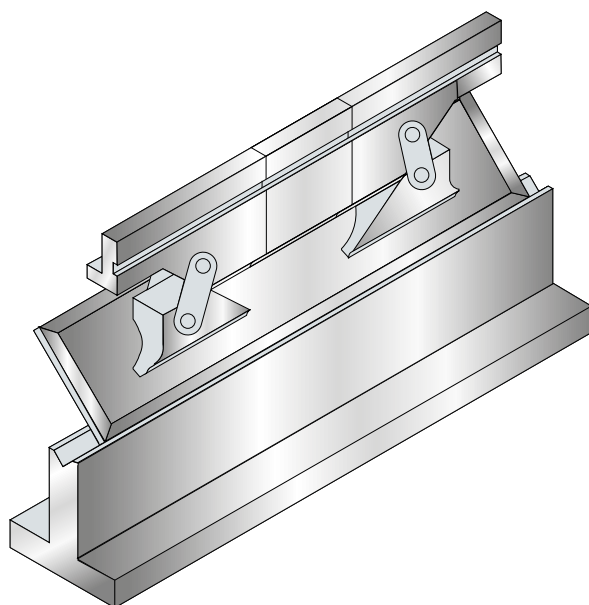
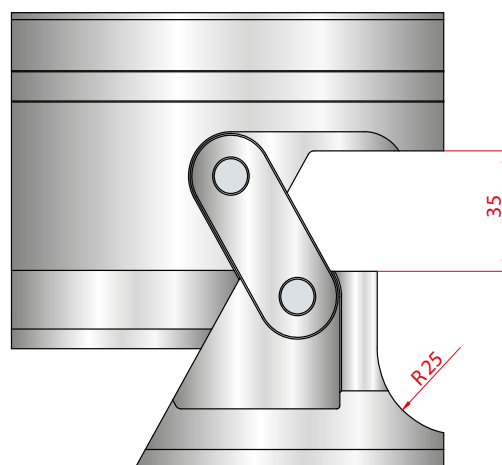
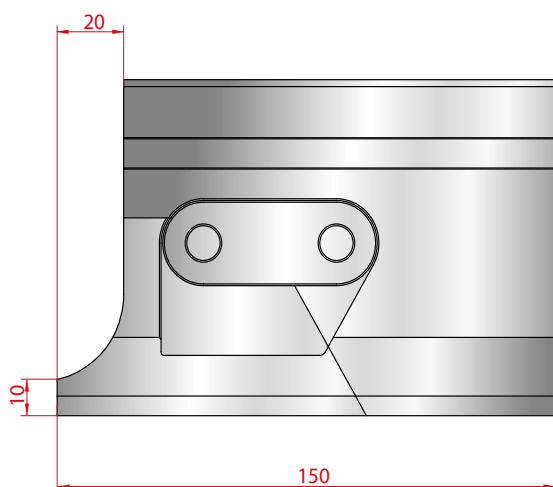


FRAZIONATURA STANDARD
STANDARD SEGMENTATION



FRESATURA SCARPETTA
MILLED HORN



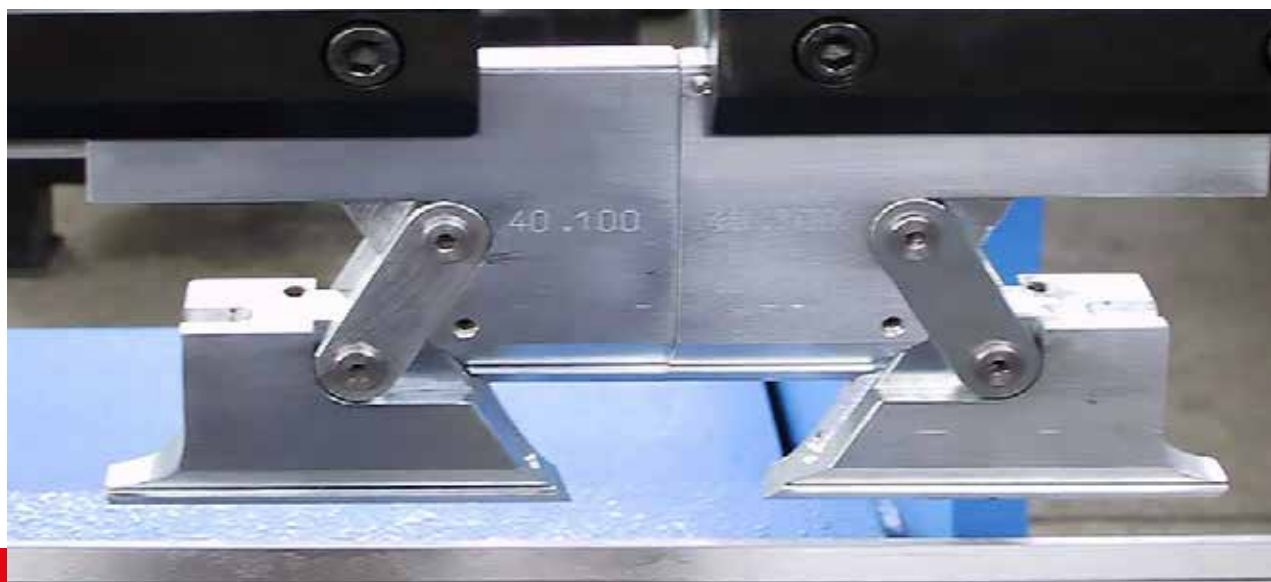


Punzone
Punch

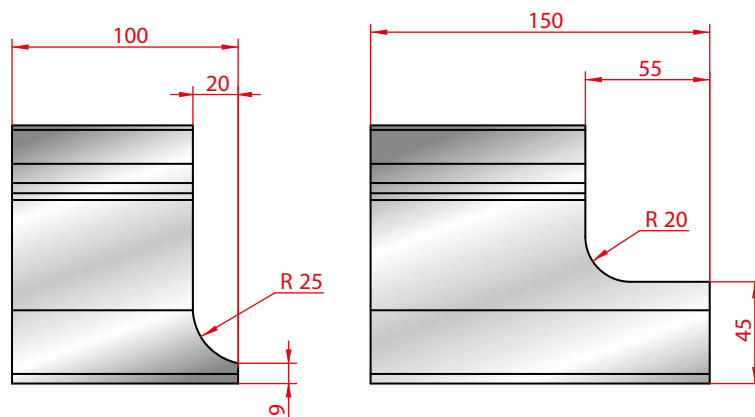
Scarpette mobili
Moving Horns

15165
15975
15705

15165/S
15975/S
15705/S



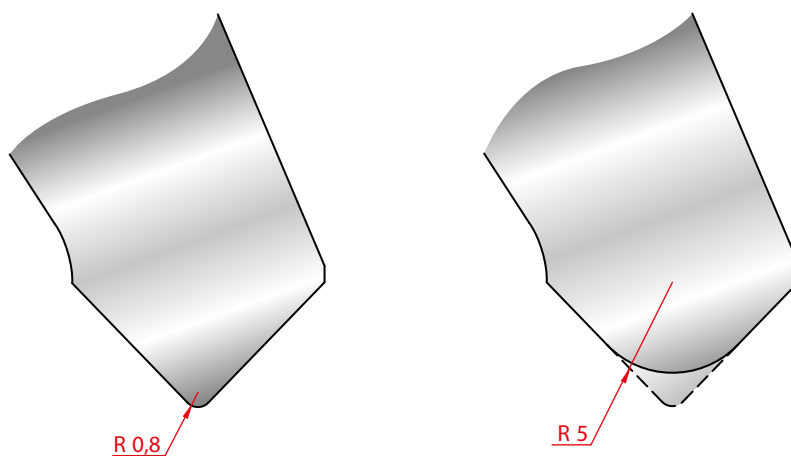
SCARPETTE SPECIALI
SPECIAL HORNS

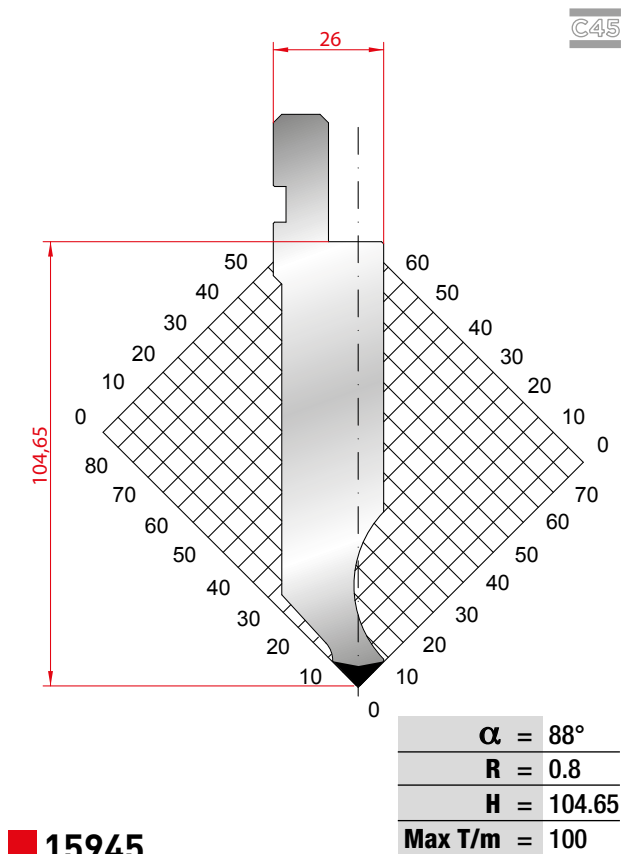
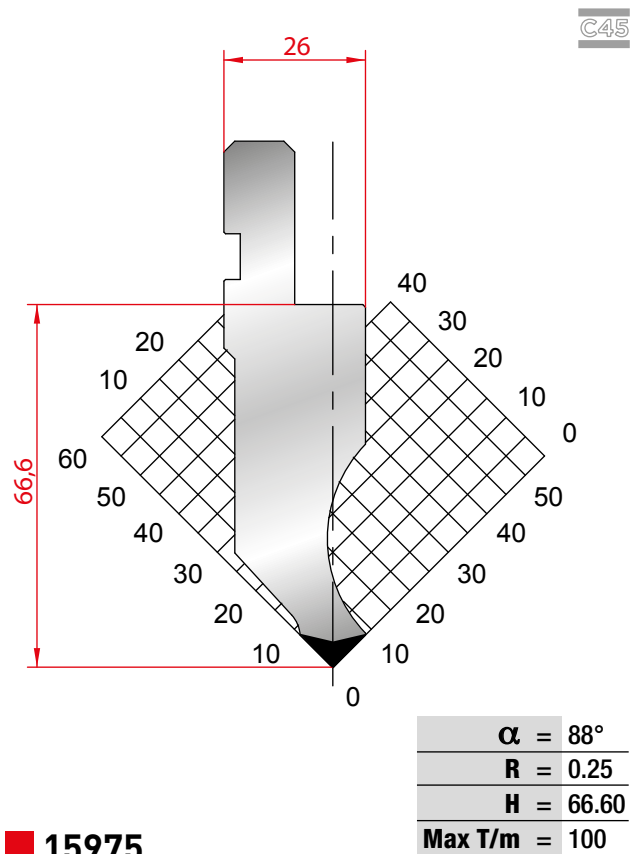
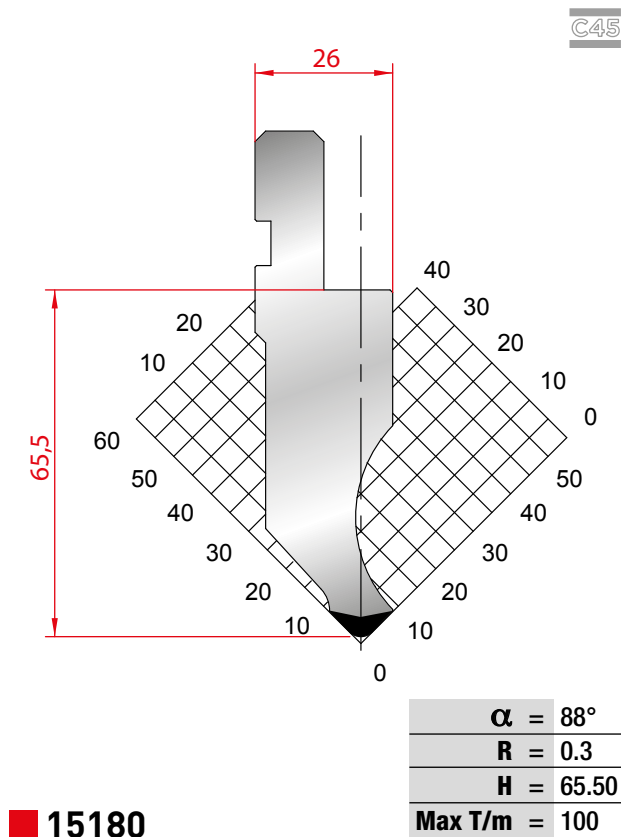
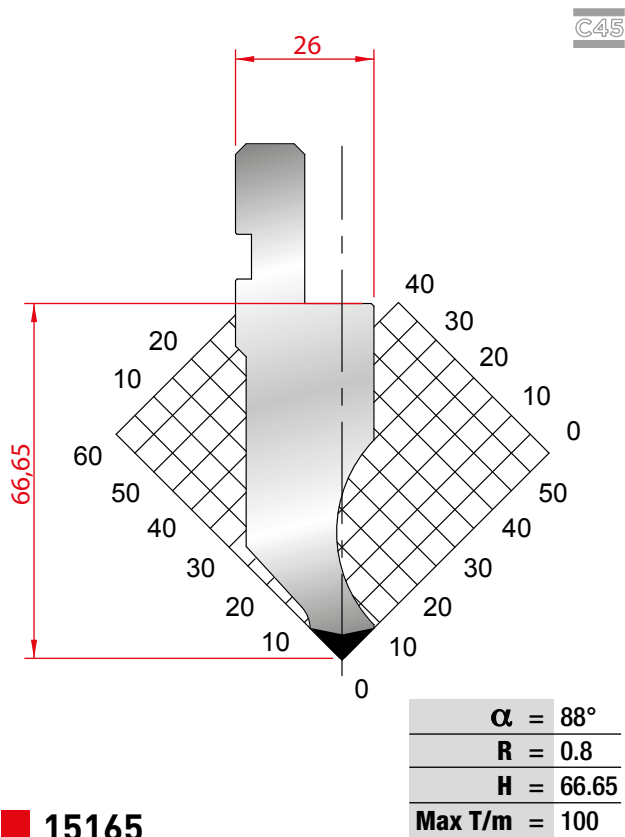


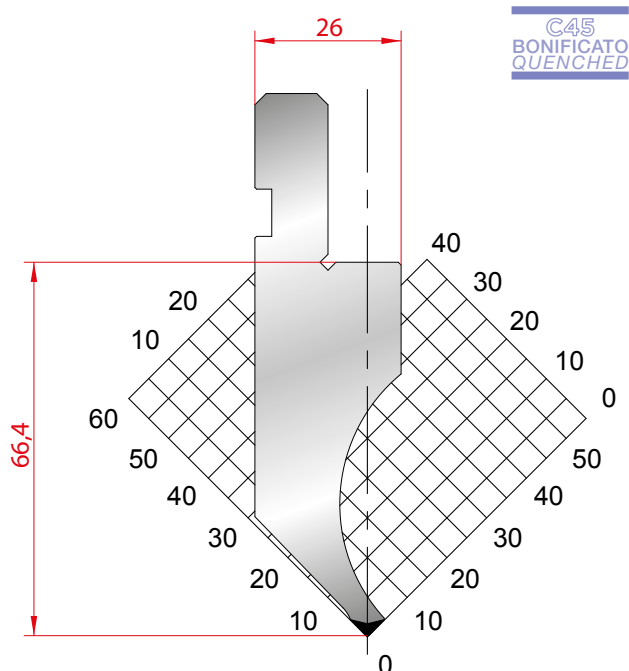
TAGLI A RICHIESTA
SPECIAL SEGMENTATION



MODIFICA RAGGIO
RADIUS MODIFICATION

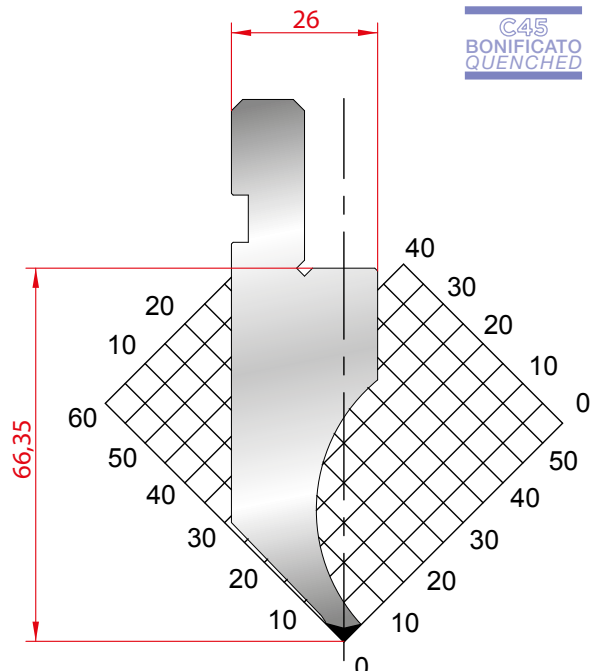






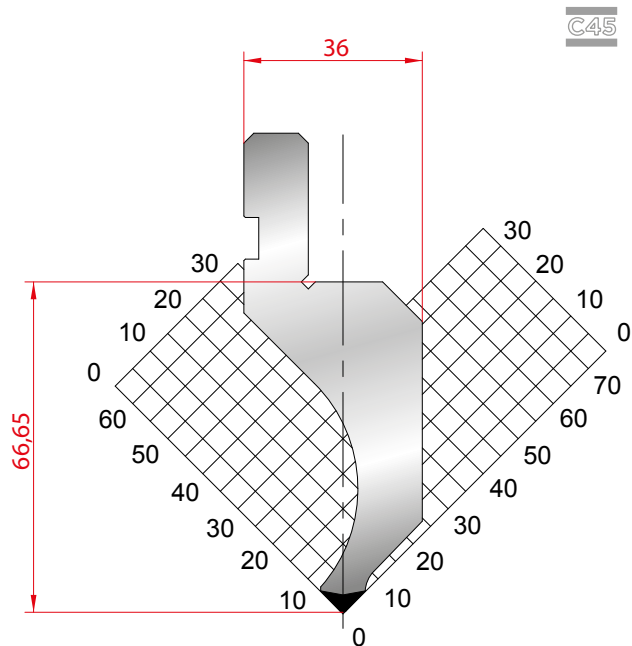
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$R = 0.6$
$H = 66.40$
Max T/m = 35

15735



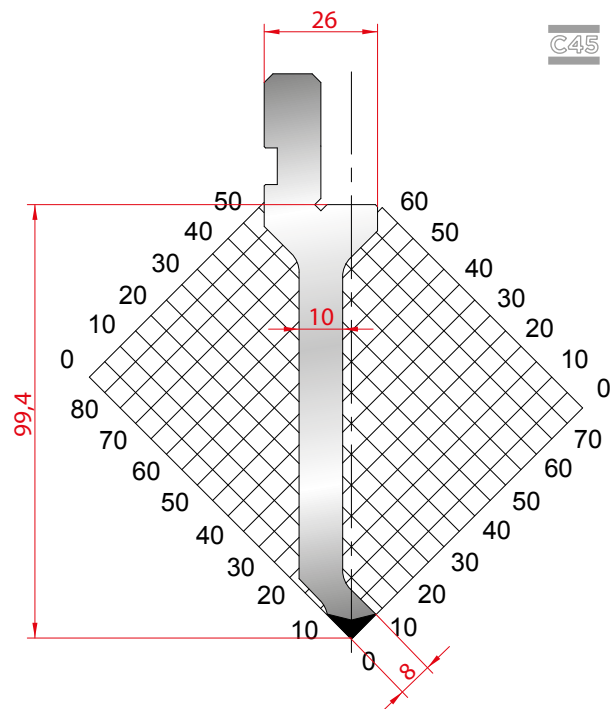
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$H = 66.35$
Max T/m = 35

18960



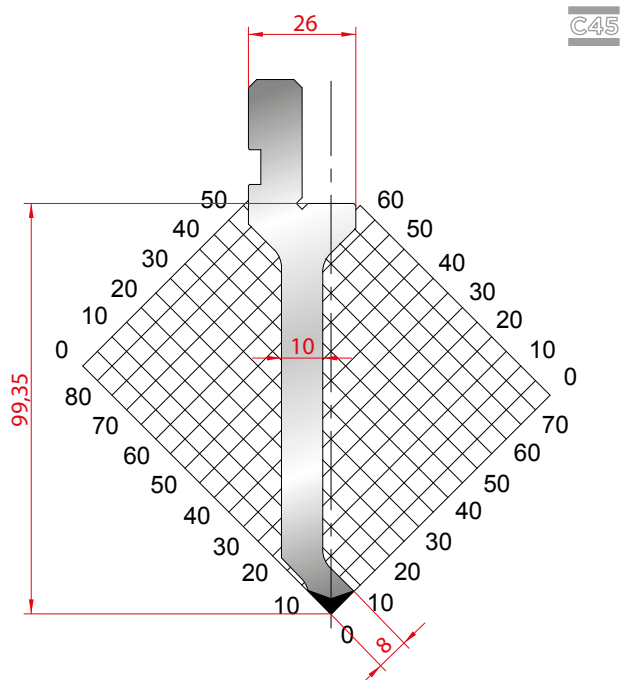
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$R = 0.8$
$H = 66.65$
Max T/m = 60

16215



$\alpha = 88^\circ$
$R = 0.6$
$H = 99.40$
Max T/m = 50

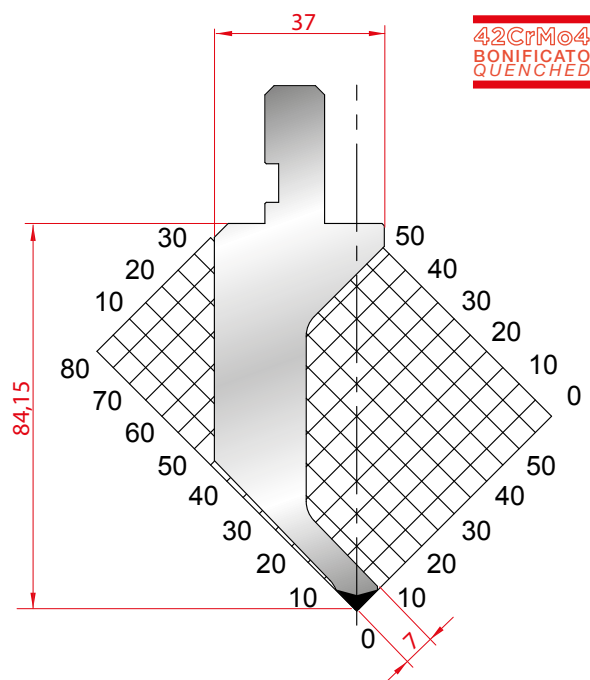
15435



C45

$\alpha = 88^\circ$
$R = 0.25$
$H = 99.35$
Max T/m = 50

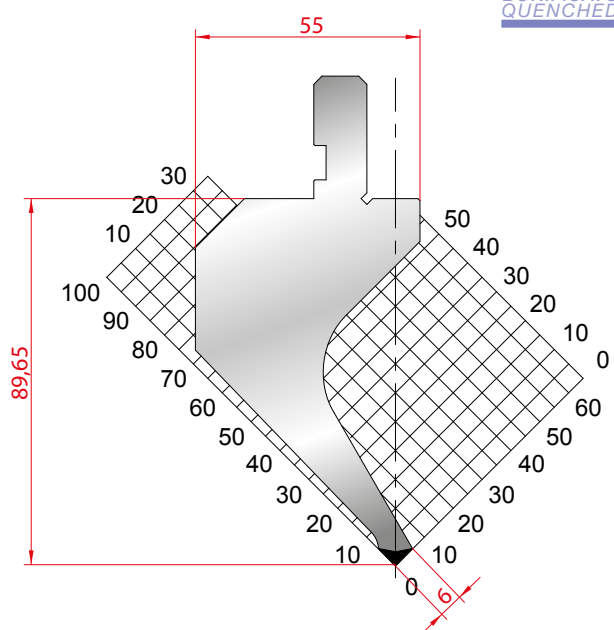
18930



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 88^\circ$
$R = 0.6$
$H = 84.15$
Max T/m = 20

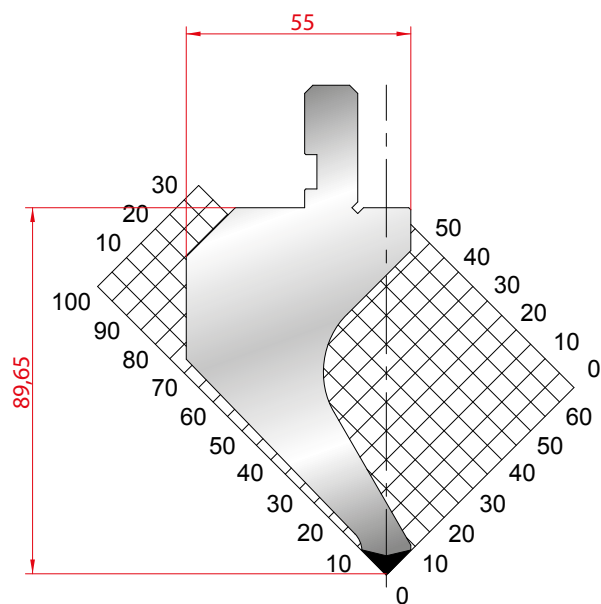
15300



C45
BONIFICATO
QUENCHED

$\alpha = 88^\circ$
$R = 0.8$
$H = 89.65$
Max T/m = 50

17625

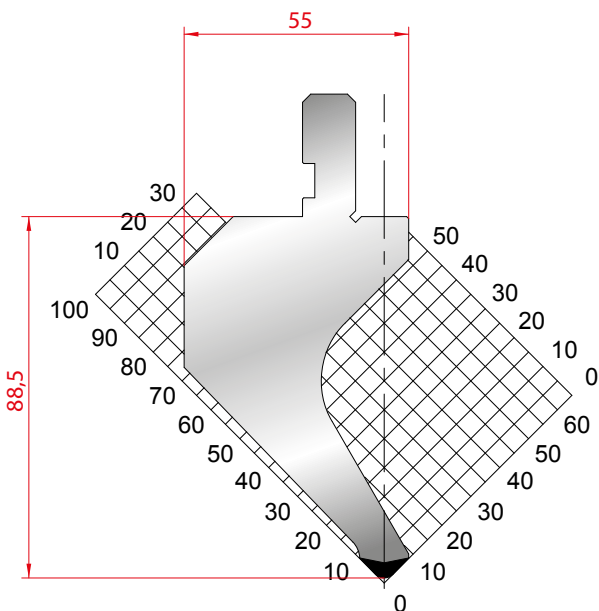


C45

$\alpha = 88^\circ$
$R = 0.8$
$H = 89.65$
Max T/m = 60

15210

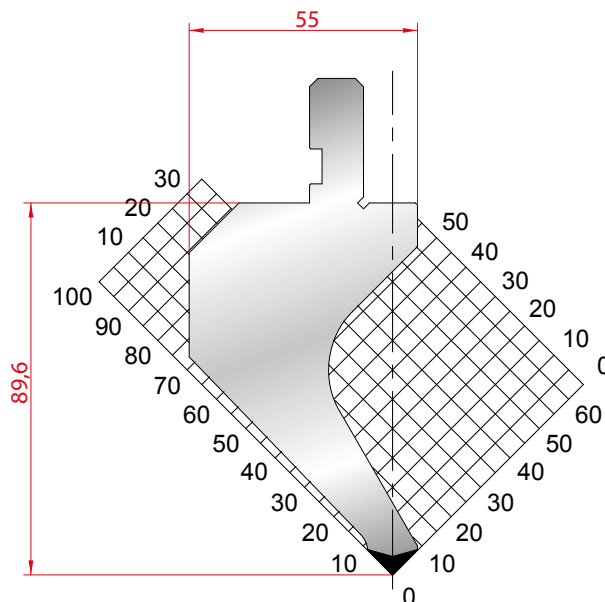
C45



$\alpha = 88^\circ$
$R = 3$
$H = 88.50$
Max T/m = 60

15225

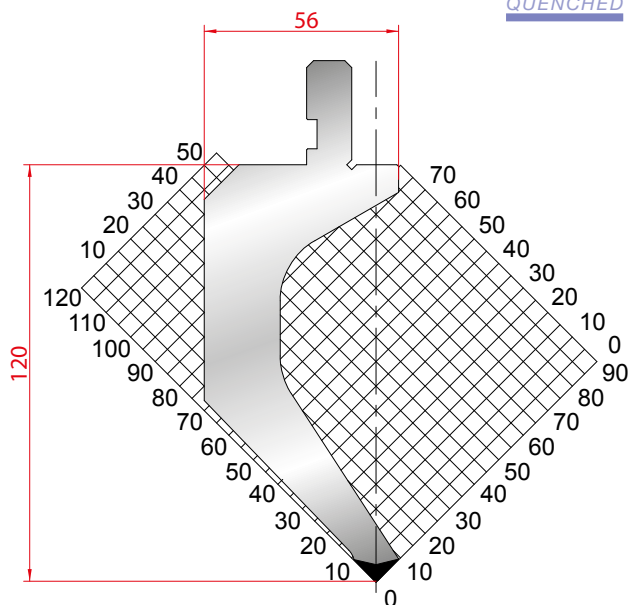
C45



$\alpha = 88^\circ$
$R = 0.25$
$H = 89.60$
Max T/m = 60

18990

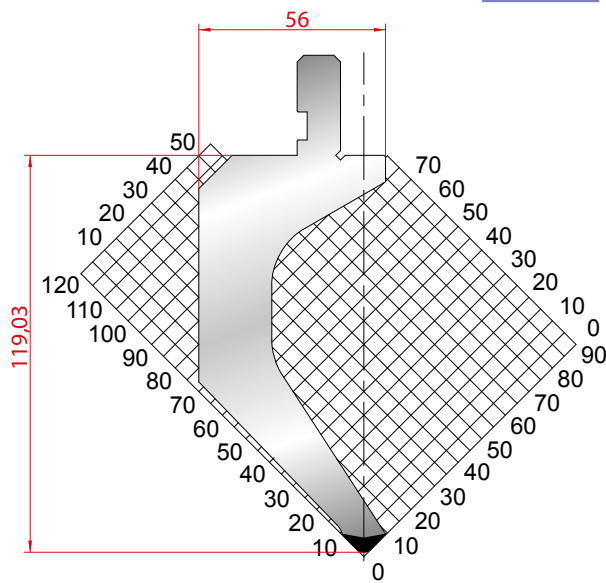
C45
BONIFICATO
QUENCHED



$\alpha = 88^\circ$
$R = 0.8$
$H = 120.00$
Max T/m = 50

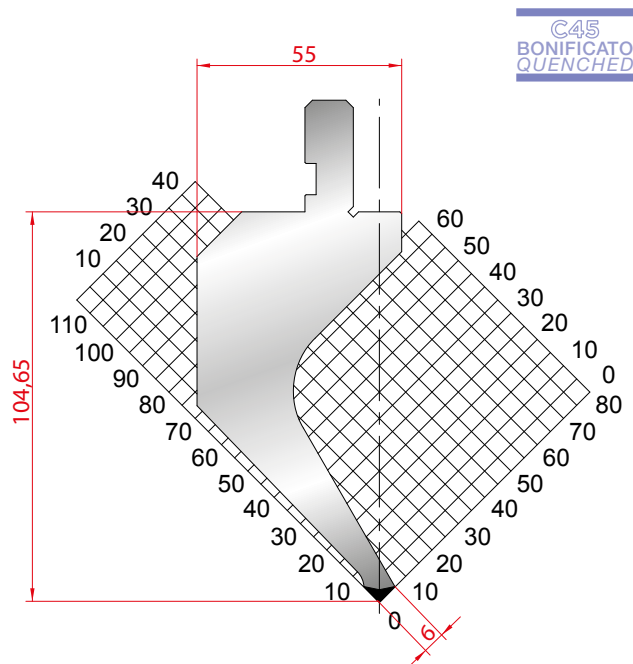
15915

C45
BONIFICATO
QUENCHED



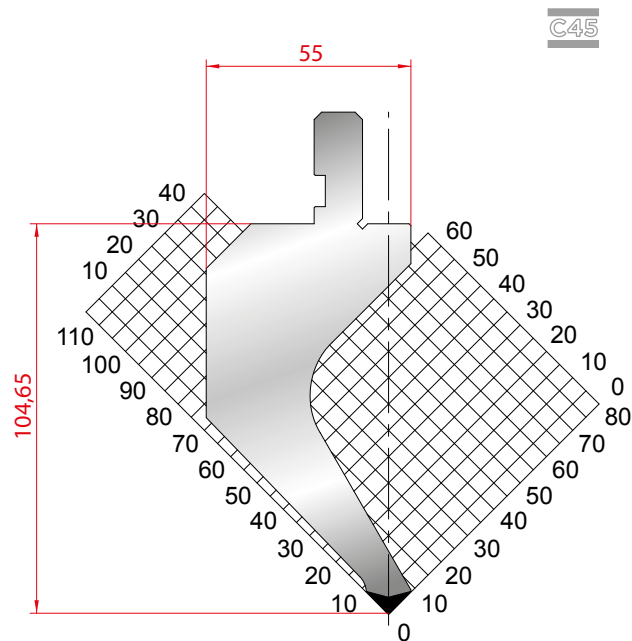
$\alpha = 88^\circ$
$R = 3$
$H = 119.03$
Max T/m = 50

15930



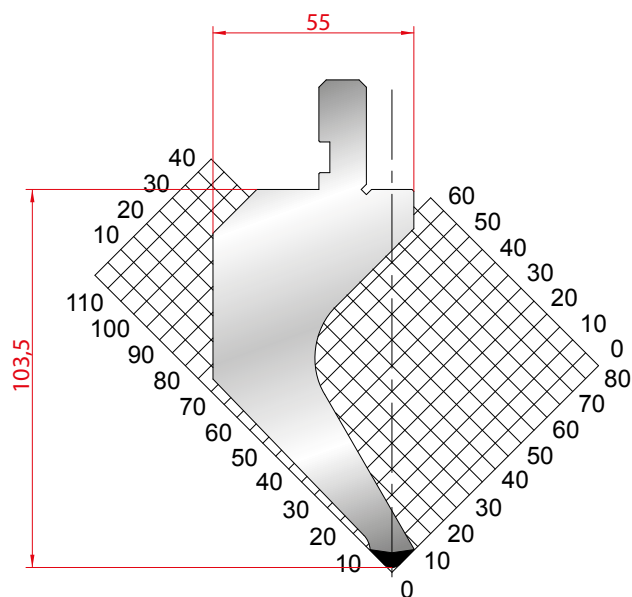
$\alpha = 88^\circ$
$R = 0.8$
$H = 104.65$
Max T/m = 50

17595



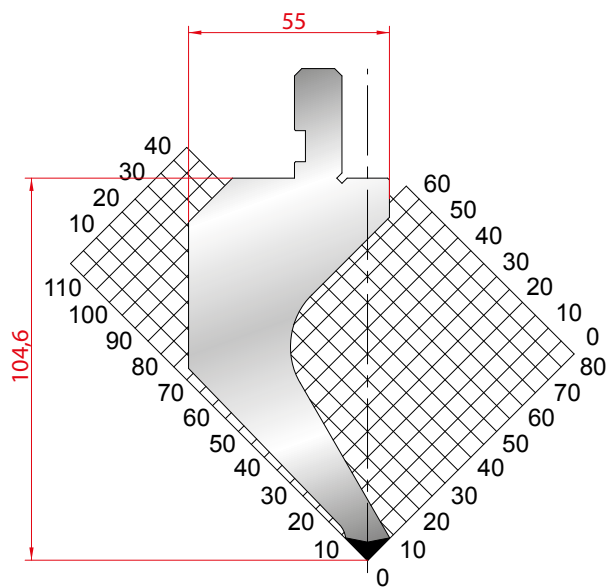
$\alpha = 88^\circ$
$R = 0.8$
$H = 104.65$
Max T/m = 50

15255



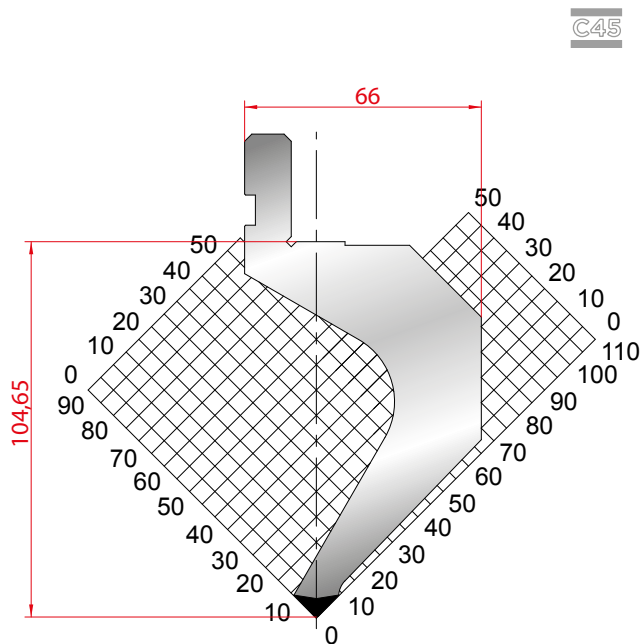
$\alpha = 88^\circ$
$R = 3$
$H = 103.50$
Max T/m = 50

15270



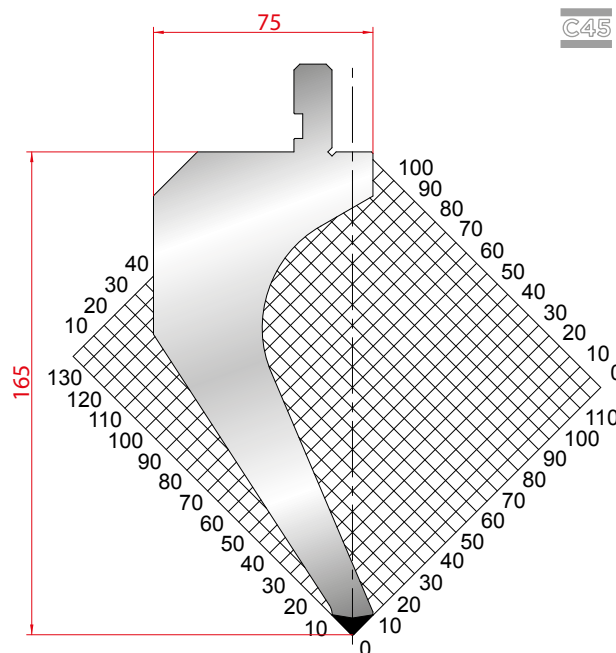
$\alpha = 88^\circ$
$R = 0.25$
$H = 104.60$
Max T/m = 50

19020



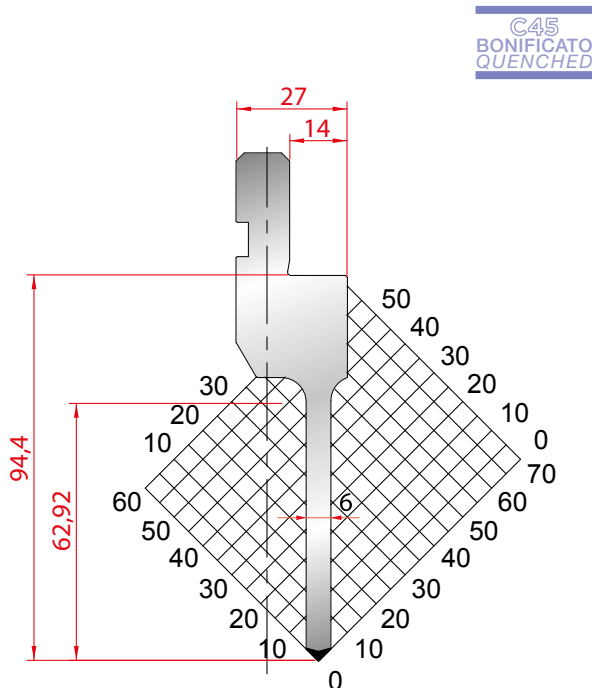
$\alpha = 88^\circ$
$R = 0.8$
$H = 104.65$
$\text{Max T/m} = 45$

16230



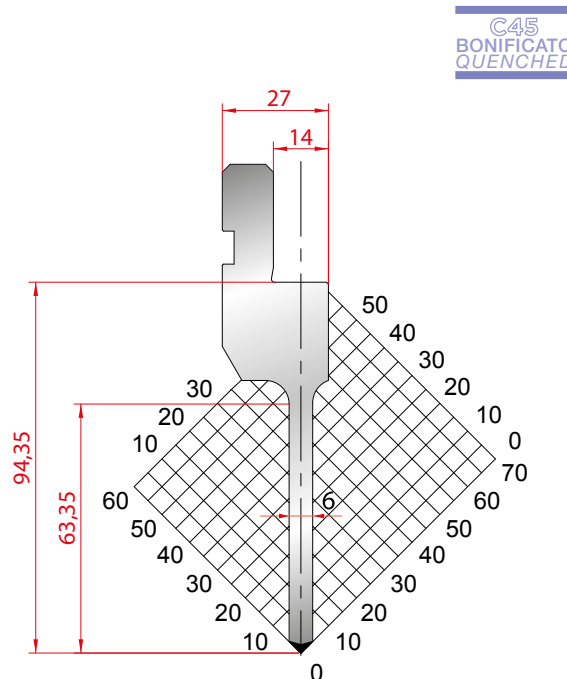
$\alpha = 88^\circ$
$R = 0.8$
$H = 165.00$
$\text{Max T/m} = 60$

15465



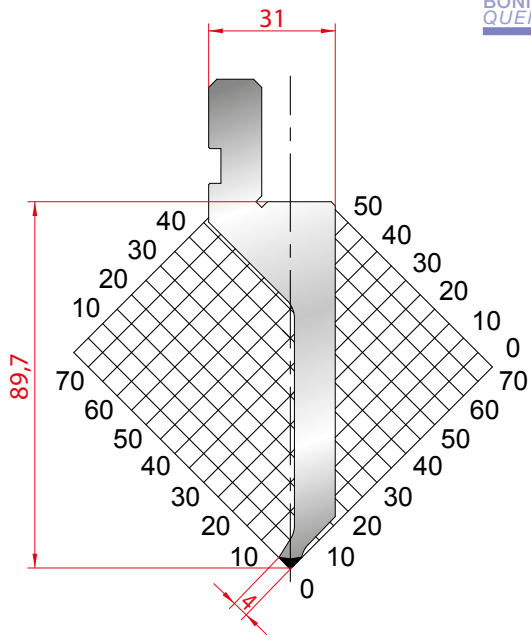
$\alpha = 88^\circ$
$R = 0.6$
$H = 94.40$
$\text{Max T/m} = 50$

16260



$\alpha = 88^\circ$
$R = 0.25$
$H = 94.35$
$\text{Max T/m} = 50$

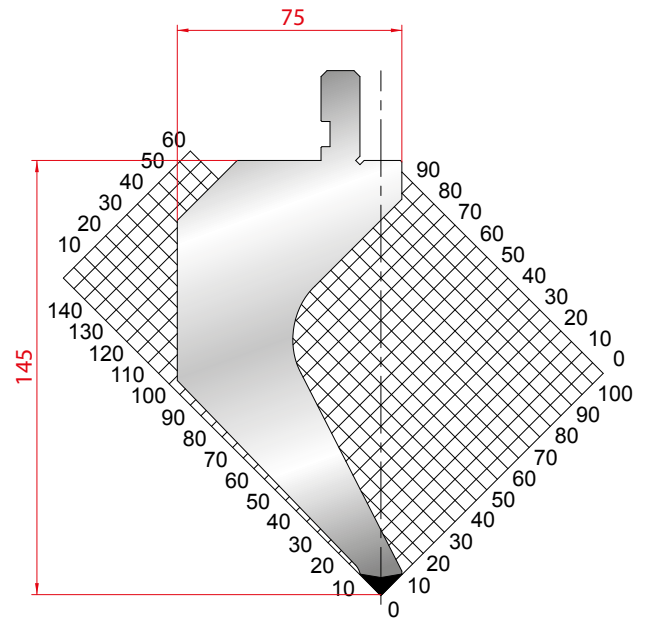
19050



C45
BONIFICATO
QUENCHED

$\alpha = 88^\circ$
$R = 0.6$
$H = 89.70$
$\text{Max T/m} = 30$

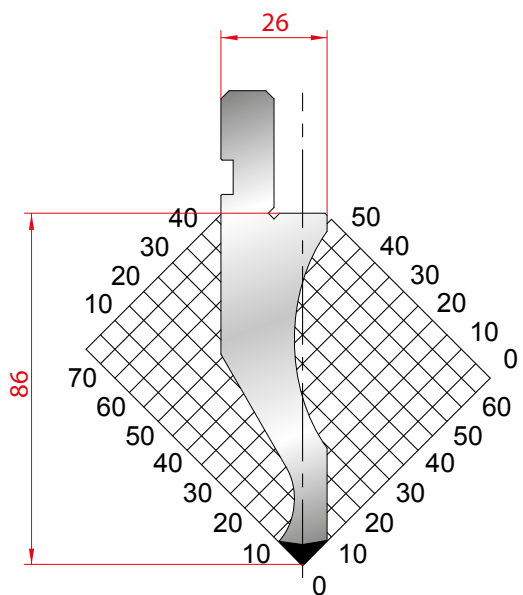
19350



C45

$\alpha = 88^\circ$
$R = 0.8$
$H = 145.00$
$\text{Max T/m} = 80$

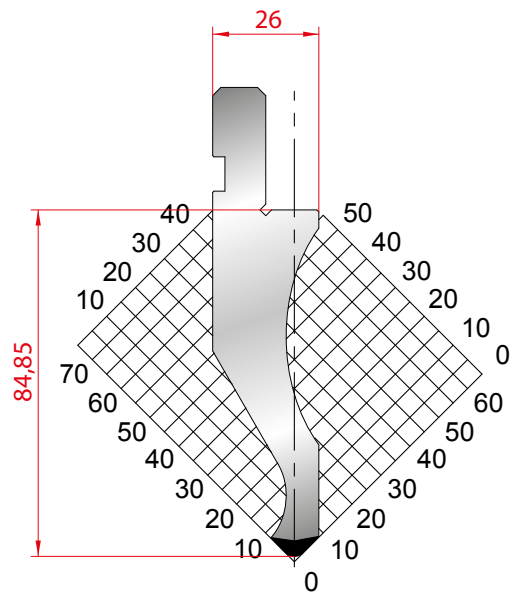
15450



C45

$\alpha = 88^\circ$
$R = 0.8$
$H = 86.00$
$\text{Max T/m} = 100$

15330

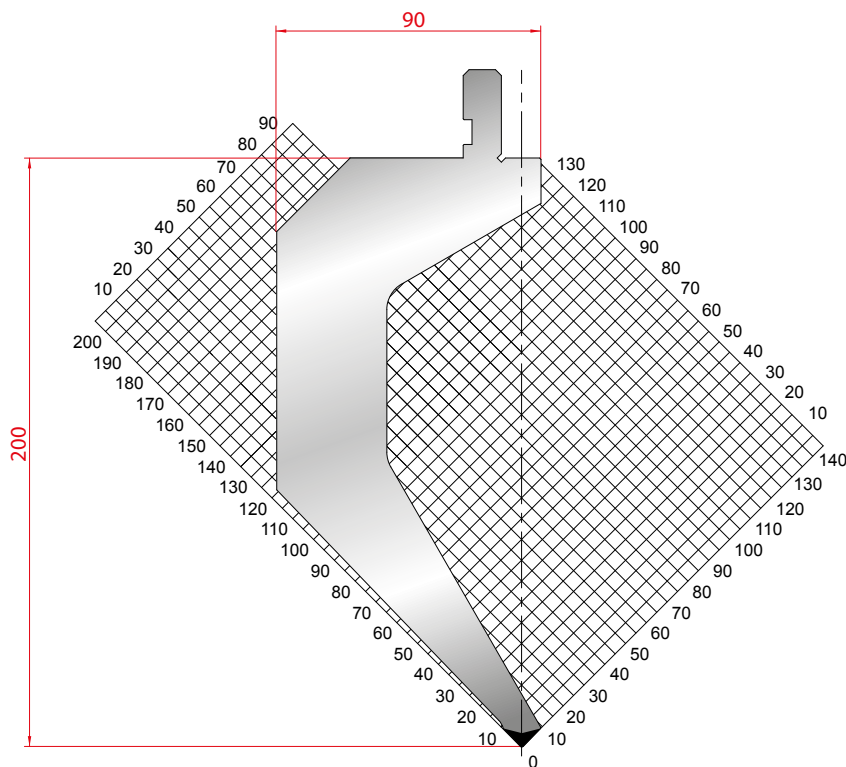


C45

$\alpha = 88^\circ$
$R = 3$
$H = 84.85$
$\text{Max T/m} = 100$

15345

C45
BONIFICATO
QUENCHED

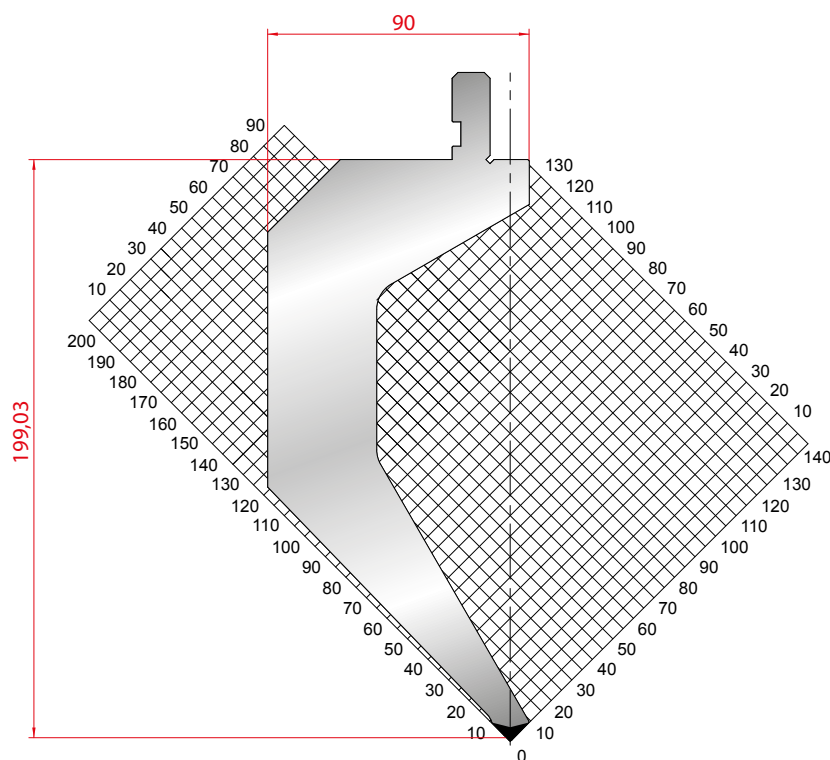


L= 505
L= 805 FRAZ/SECT

α	= 88°
R	= 0.8
H	= 200.00
Max T/m	= 85

19365

C45
BONIFICATO
QUENCHED

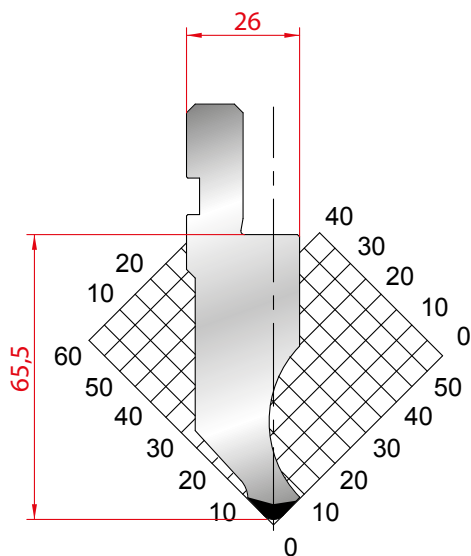


L= 505
L= 805 FRAZ/SECT

α	= 88°
R	= 3
H	= 199.03
Max T/m	= 85

19515

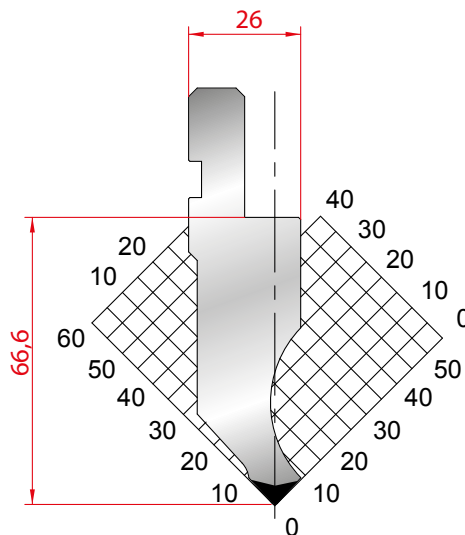
C45



$\alpha = 85^\circ$
$R = 3$
$H = 65.50$
Max T/m = 100

17655

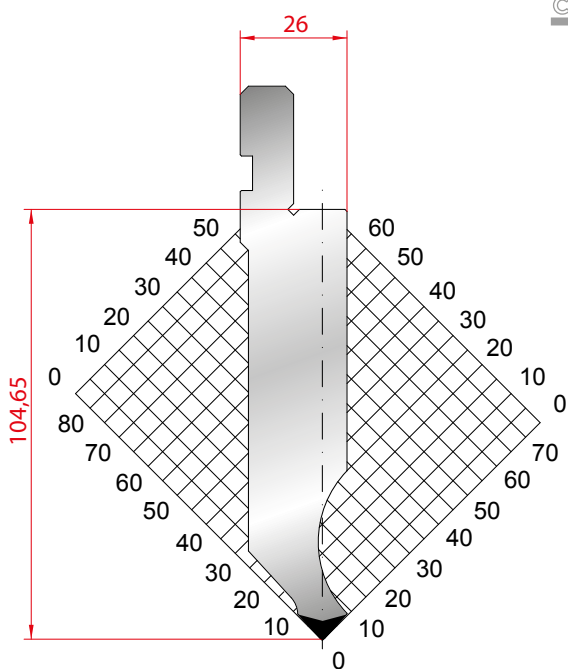
C45



$\alpha = 85^\circ$
$R = 0.8$
$H = 66.60$
Max T/m = 100

18900

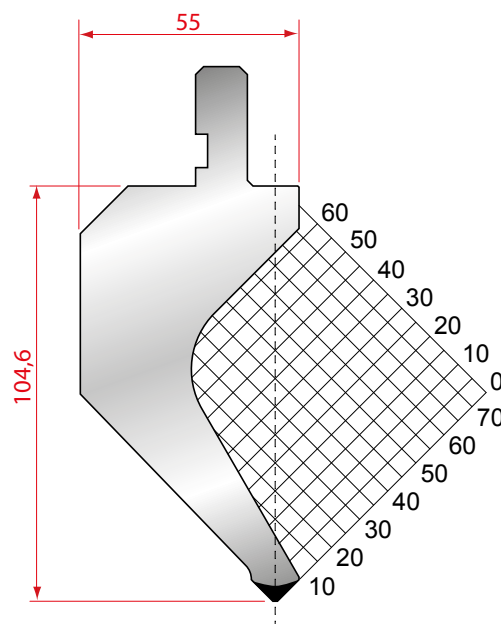
C45



$\alpha = 85^\circ$
$R = 0.8$
$H = 104.65$
Max T/m = 100

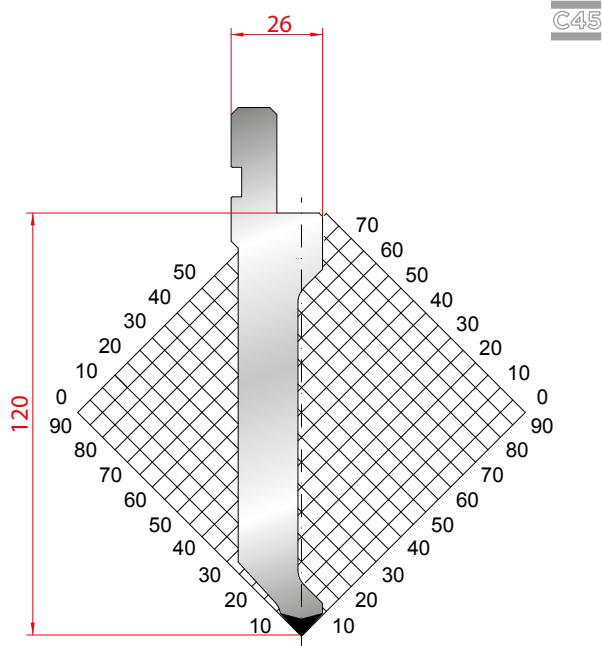
19215

C45



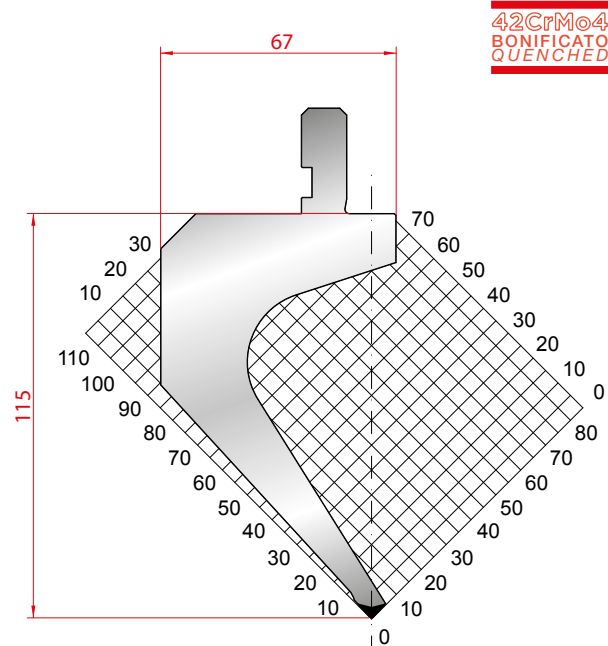
$\alpha = 85^\circ$
$R = 0.8$
$H = 104.60$
Max T/m = 50

17580



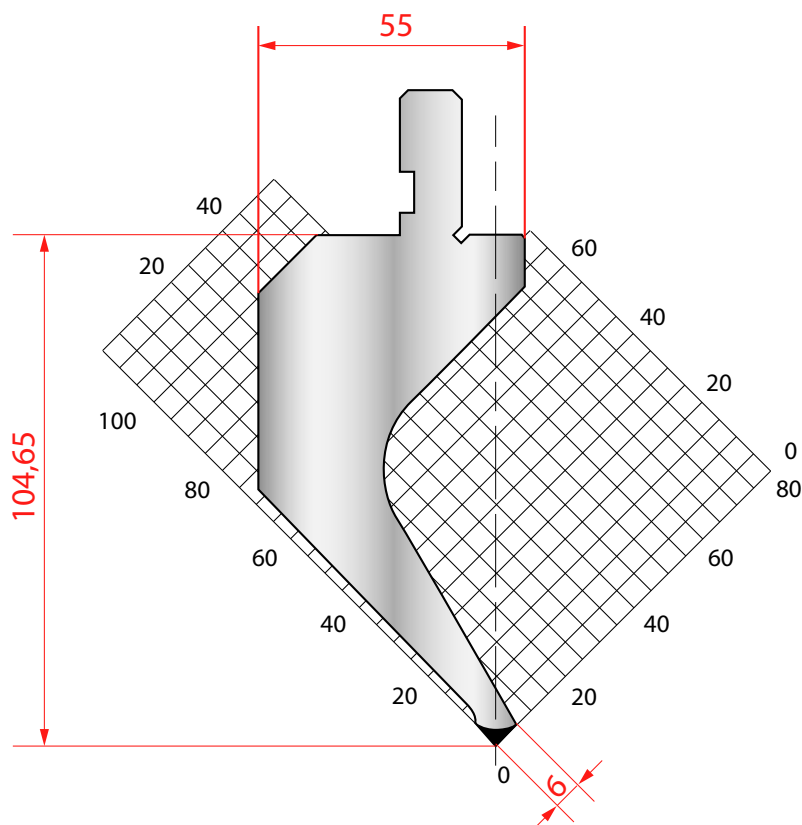
$\alpha = 85^\circ$
$R = 0.8$
$H = 120.00$
$\text{Max T/m} = 70$

19635



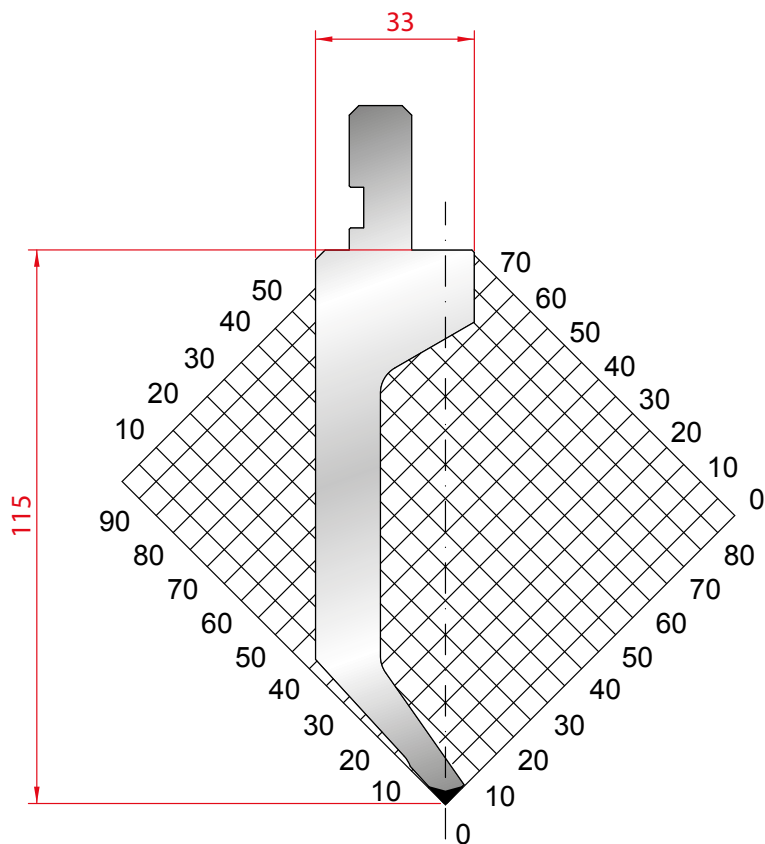
$\alpha = 85^\circ$
$R = 0.8$
$H = 115.00$
$\text{Max T/m} = 35$

19650



$\alpha = 85^\circ$
$R = 0.8$
$H = 104.65$
$\text{Max T/m} = 50$

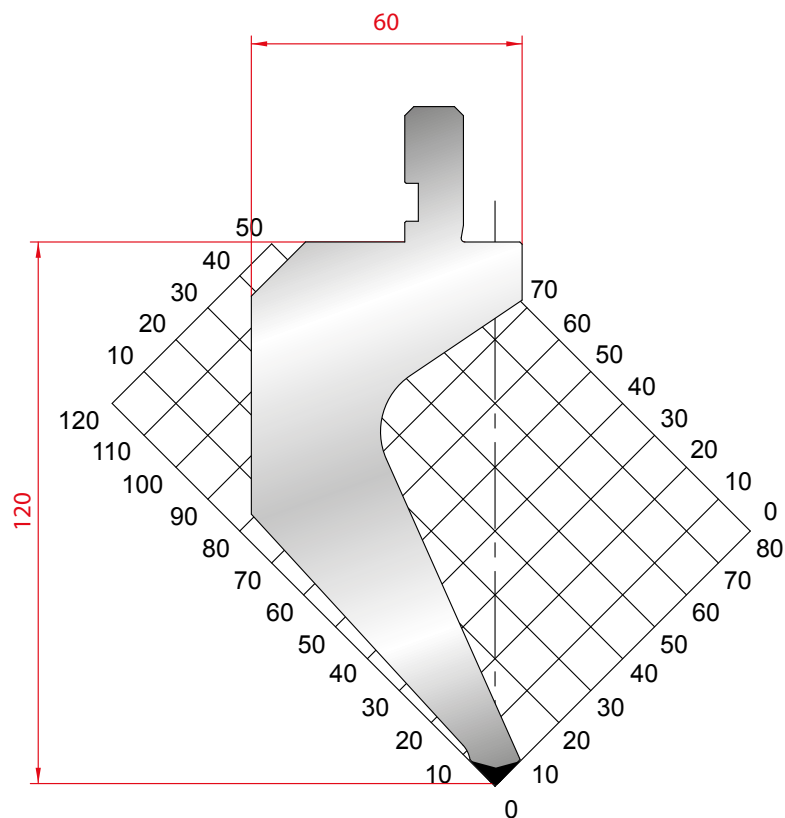
17565



42CrMo4
BONIFICATO
QUENCHED

α	= 85°
R	= 0.6
H	= 115.00
Max T/m	= 20

19680



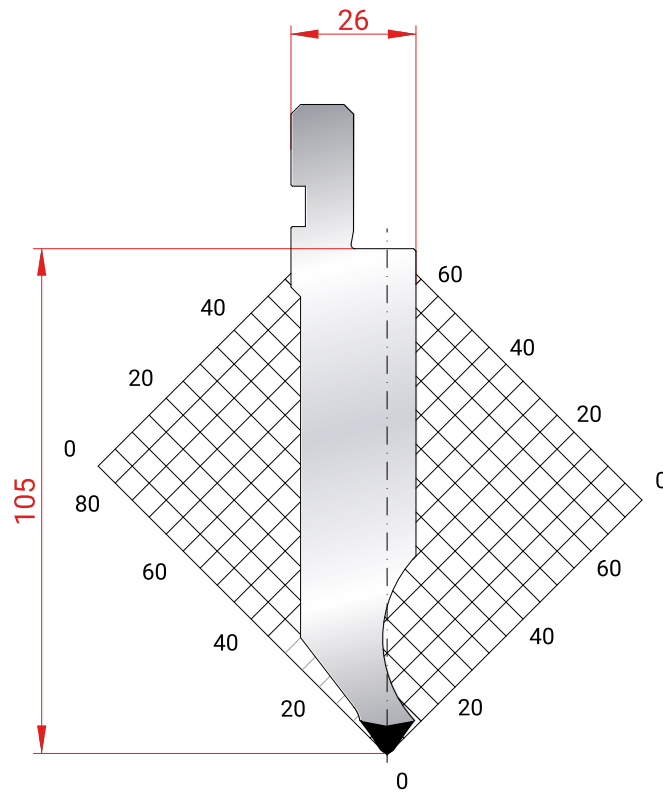
42CrMo4
BONIFICATO
QUENCHED

α	= 85°
R	= 1.5
H	= 120.00
Max T/m	= 100



19830

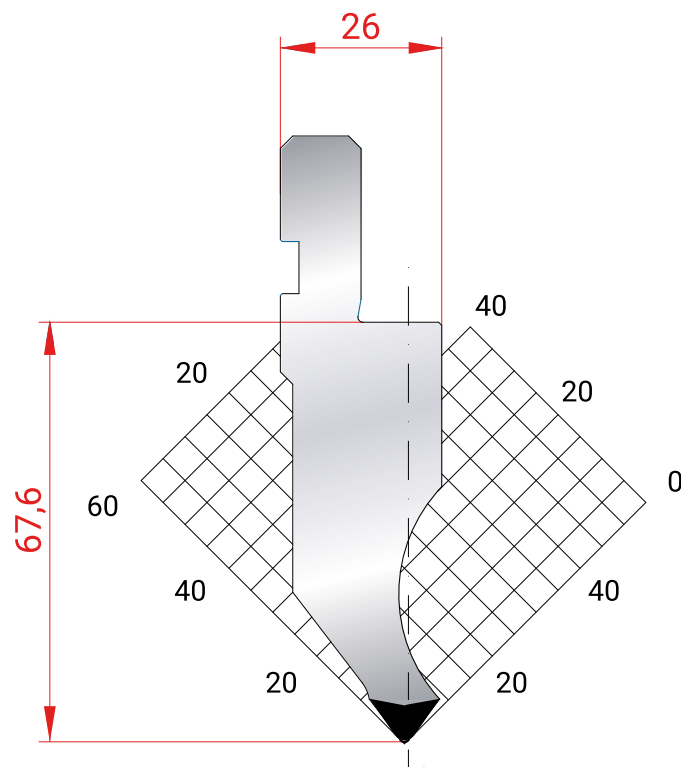
42CrMo4
BONIFICATO
QUENCHED



α	= 75°
R	= 0.8
H	= 105.00
Max T/m	= 100

20070

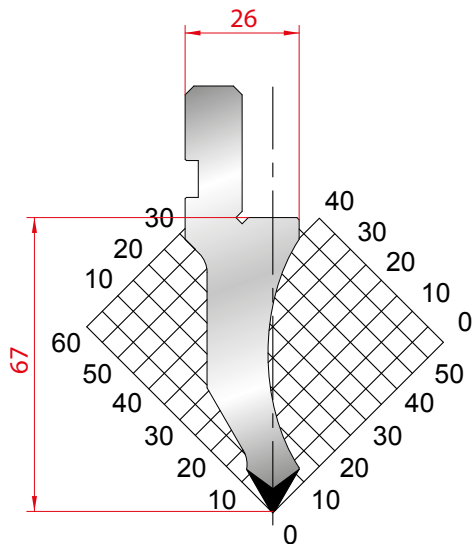
42CrMo4
BONIFICATO
QUENCHED



α	= 75°
R	= 0.8
H	= 67,60
Max T/m	= 100

20085

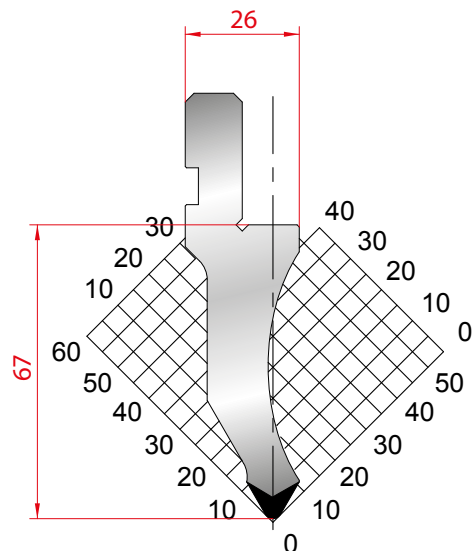
C45



$\alpha = 60^\circ$
$R = 0.8$
$H = 67.00$
Max T/m = 80

15390

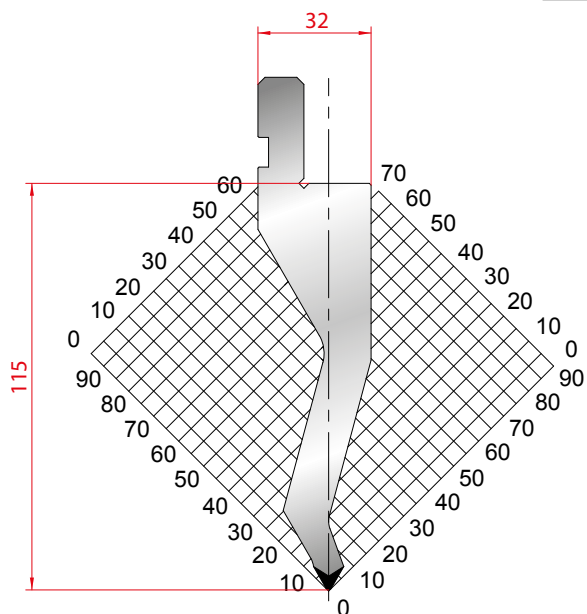
C45



$\alpha = 60^\circ$
$R = 2$
$H = 67.00$
Max T/m = 80

15405

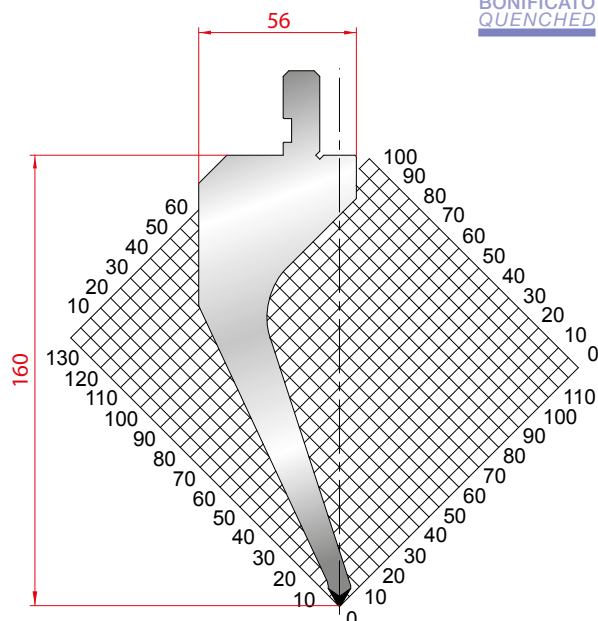
C45



$\alpha = 60^\circ$
$R = 0.8$
$H = 115.00$
Max T/m = 60

17865

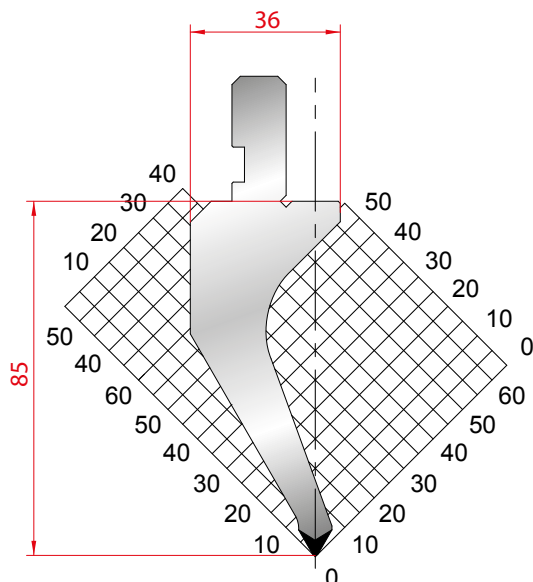
C45
BONIFICATO
QUENCHED



$\alpha = 60^\circ$
$R = 0.8$
$H = 160.00$
Max T/m = 40

17850

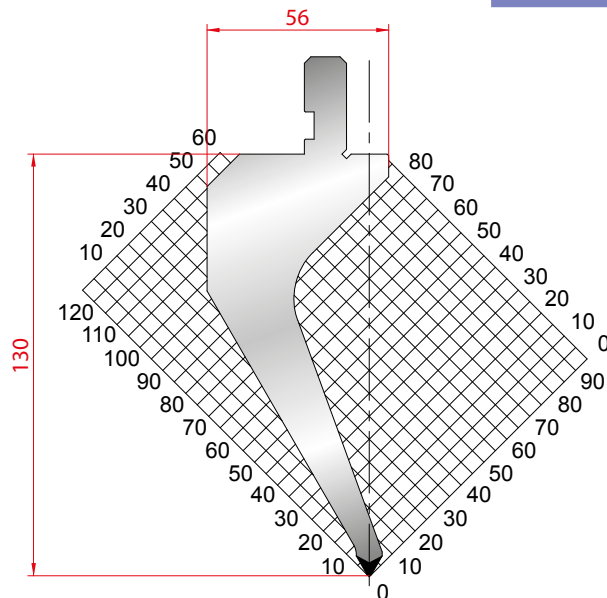
42CrMo4
BONIFICATO
QUENCHED



$\alpha = 60^\circ$
$R = 0.8$
$H = 85.00$
Max T/m = 40

17430

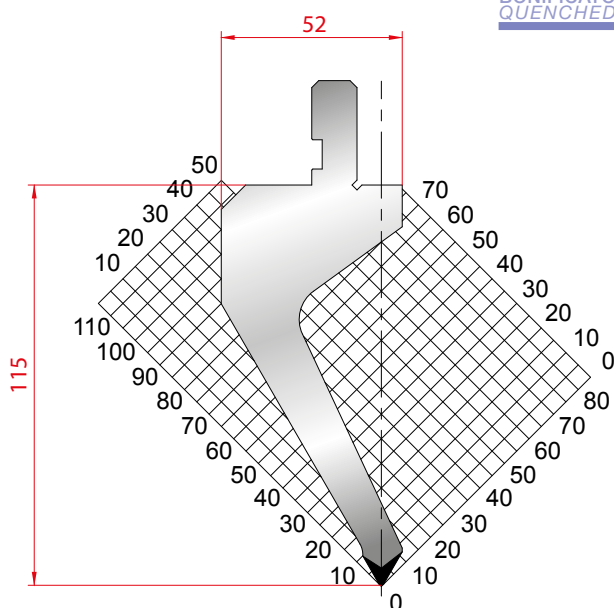
C45
BONIFICATO
QUENCHED



$\alpha = 60^\circ$
$R = 0.8$
$H = 130.00$
Max T/m = 40

17445

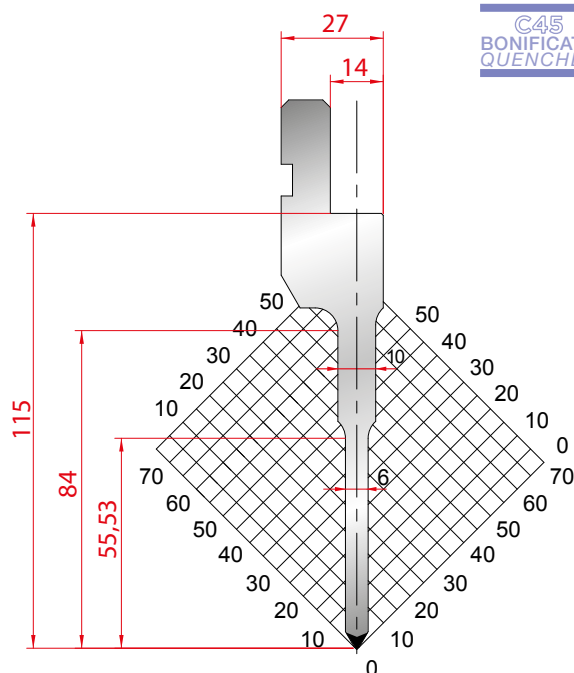
C45
BONIFICATO
QUENCHED



$\alpha = 60^\circ$
$R = 0.8$
$H = 115.00$
Max T/m = 40

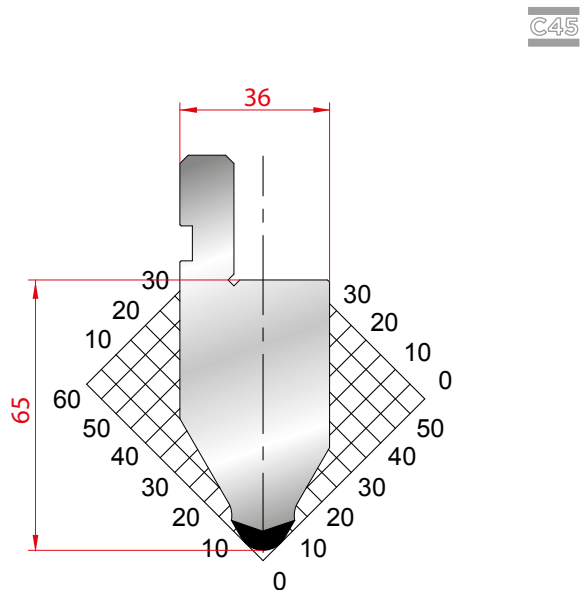
19080

C45
BONIFICATO
QUENCHED



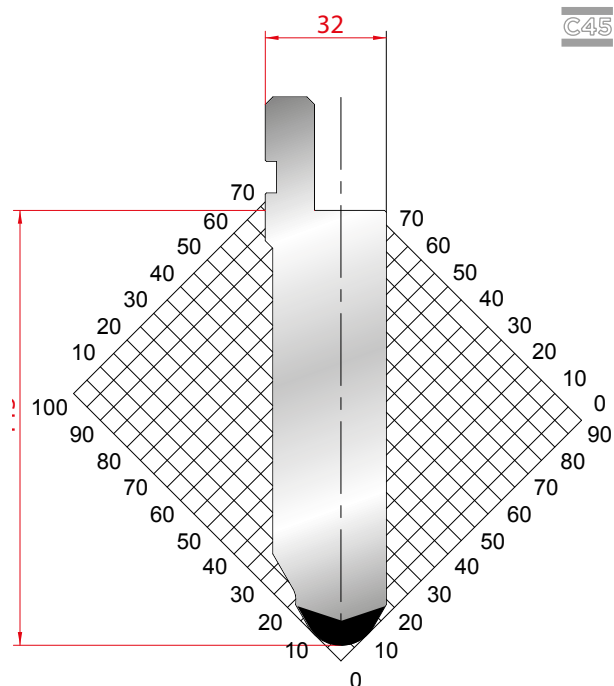
$\alpha = 60^\circ$
$R = 0.8$
$H = 115.00$
Max T/m = 50

19065



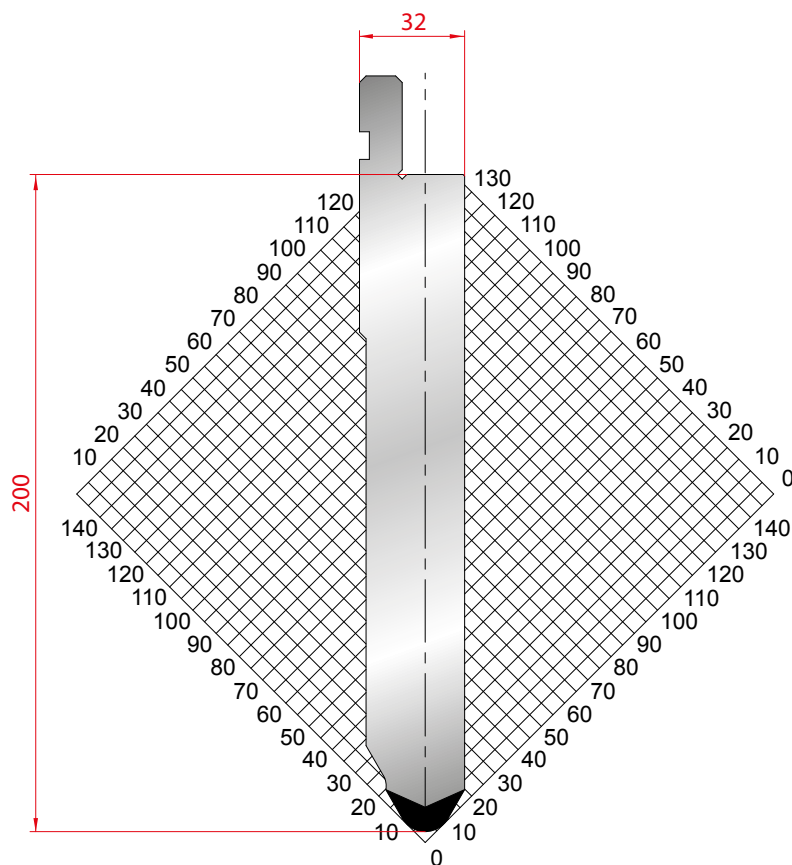
$\alpha = 60^\circ$
$R = 60$
$H = 65.00$
Max T/m = 120

15480



$\alpha = 60^\circ$
$R = 10$
$H = 115.00$
Max T/m = 150

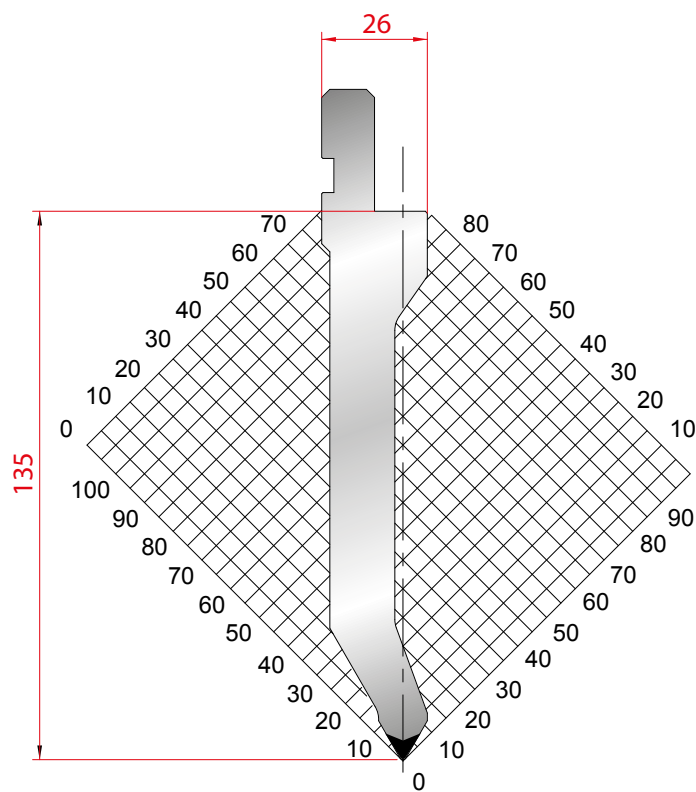
19245



$\alpha = 60^\circ$
$R = 8$
$H = 200.00$
Max T/m = 150

19395

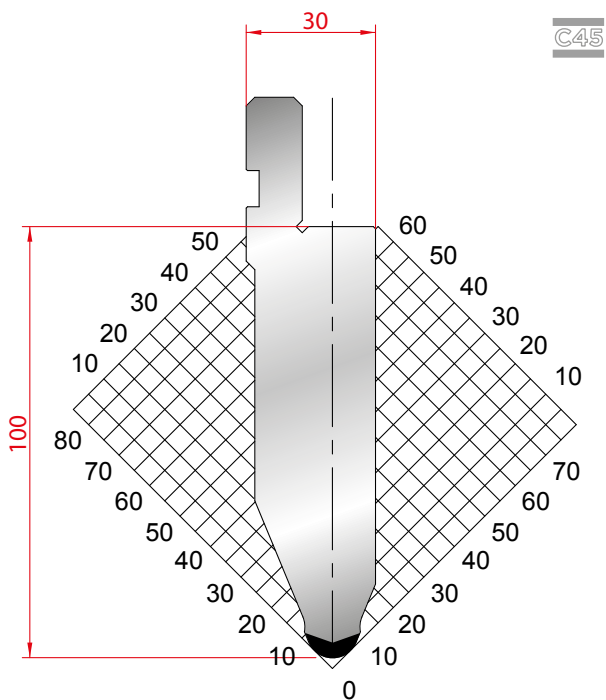
C45



19260

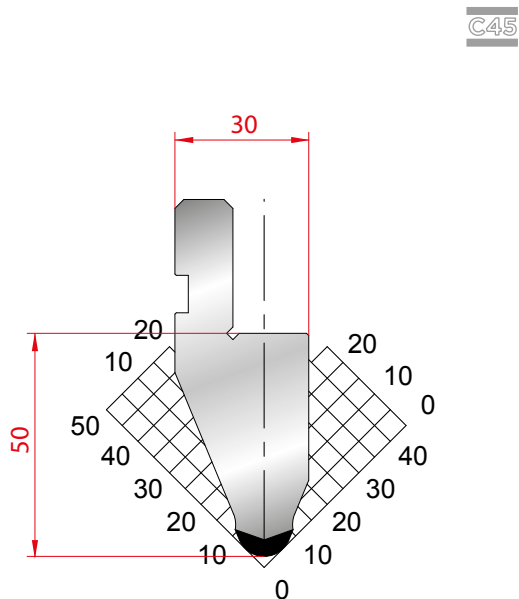
α	= 60°
R	= 0.8
H	= 135.00
Max T/m	= 70





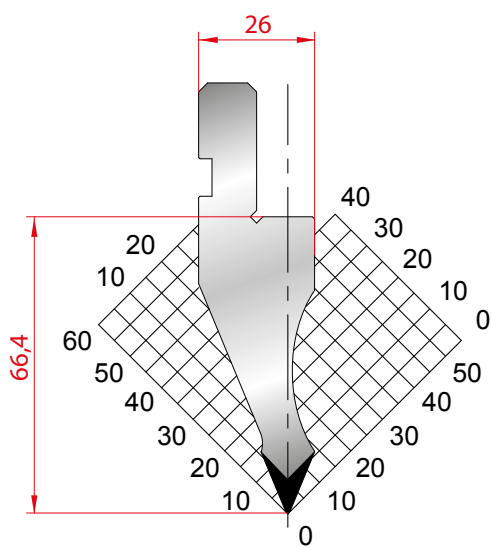
α	= 45°
R	= 6
H	= 100.00
Max T/m	= 100

15795



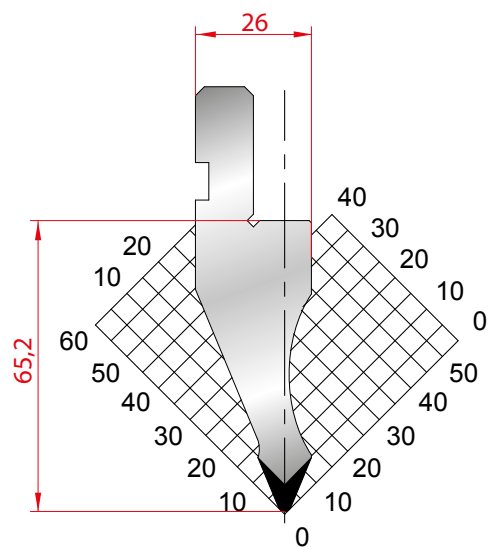
α	= 45°
R	= 6
H	= 50.00
Max T/m	= 100

15810



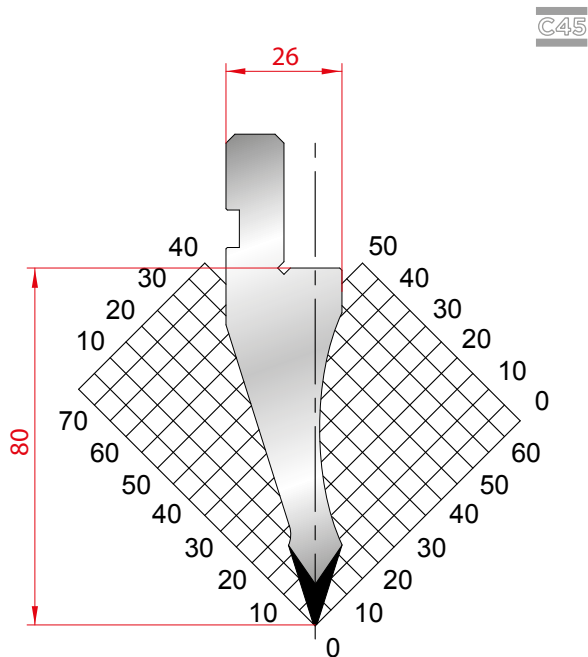
α	= 45°
R	= 0.5
H	= 66.40
Max T/m	= 80

15360



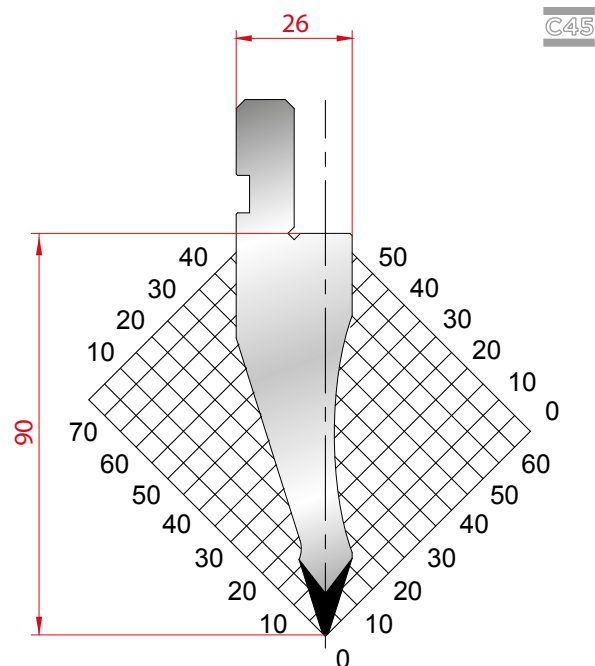
α	= 45°
R	= 1.5
H	= 65.20
Max T/m	= 80

15375



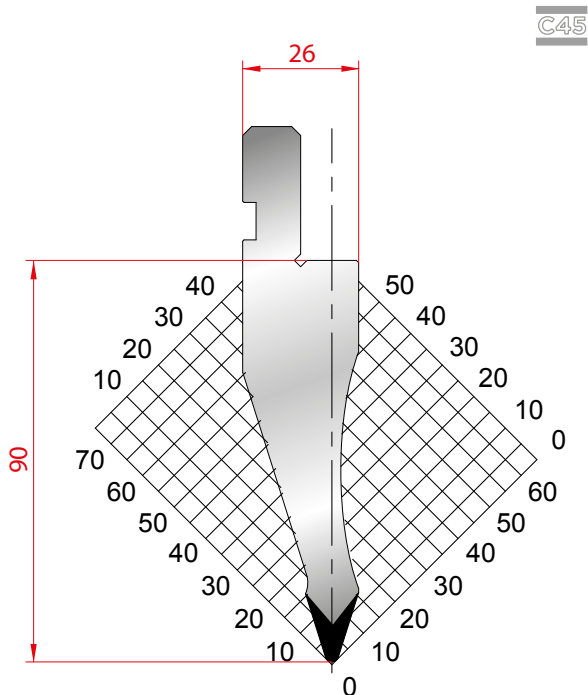
$\alpha = 35^\circ$
$R = 0.5$
$H = 80.00$
Max T/m = 70

15525



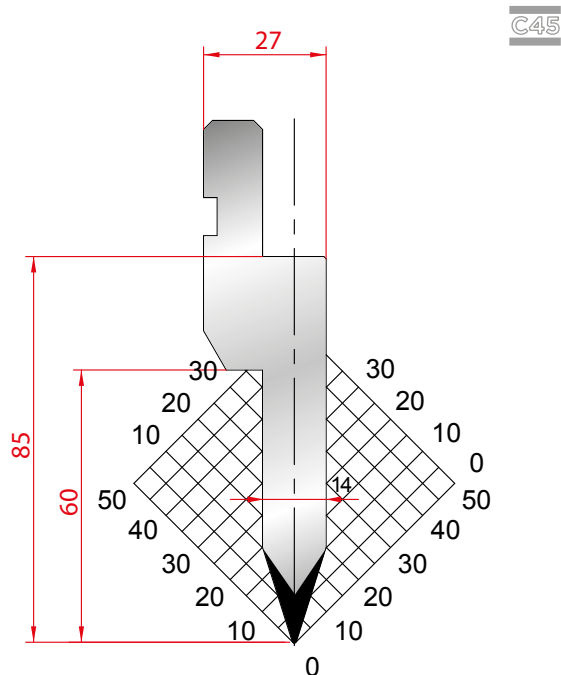
$\alpha = 35^\circ$
$R = 0.8$
$H = 90.00$
Max T/m = 70

15705



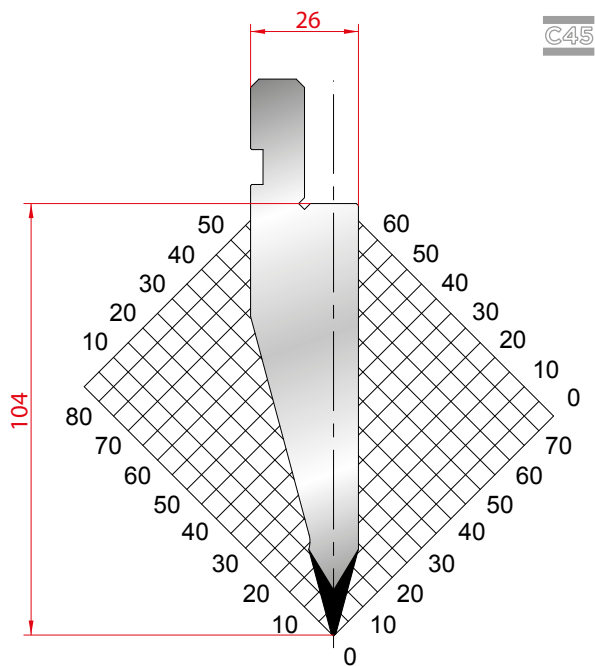
$\alpha = 35^\circ$
$R = 1.5$
$H = 90.00$
Max T/m = 70

19230



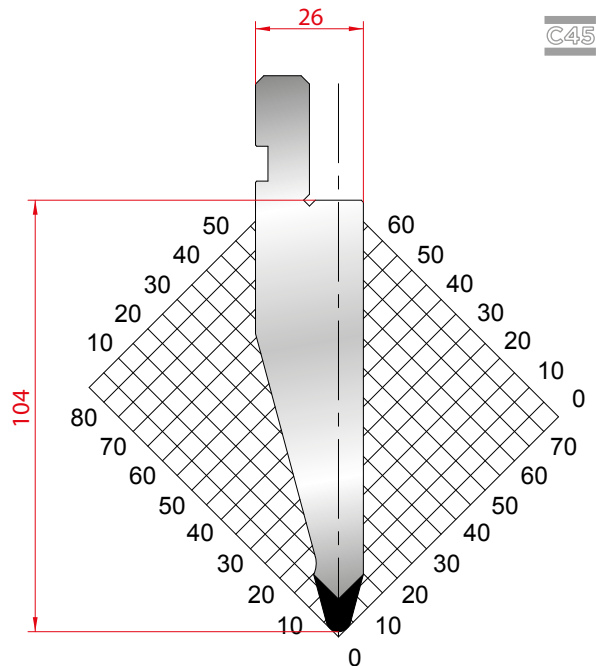
$\alpha = 35^\circ$
$R = 0.8$
$H = 85.00$
Max T/m = 100

15510



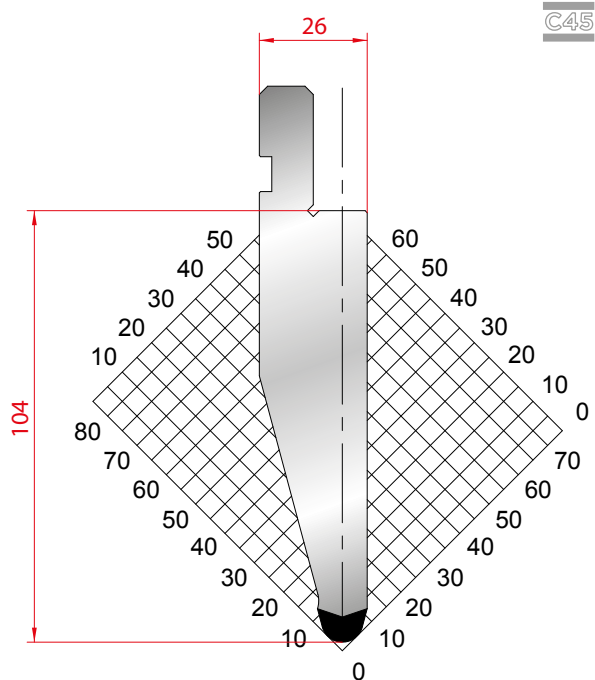
$\alpha = 30^\circ$
$R = 0.6$
$H = 104.00$
Max T/m = 100

17895



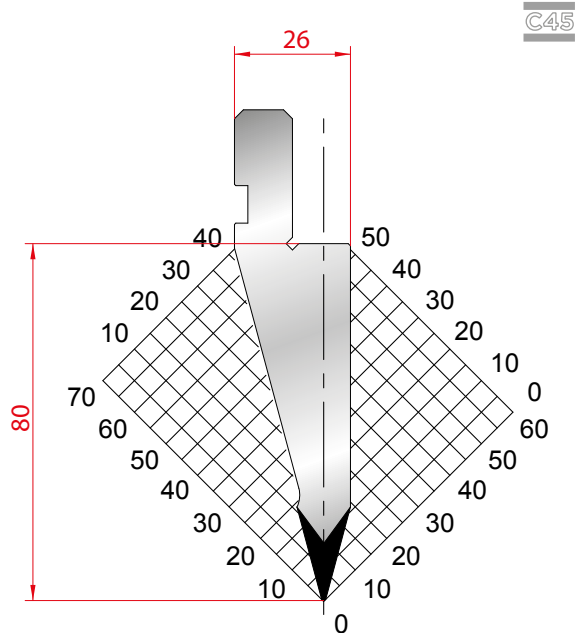
$\alpha = 30^\circ$
$R = 3$
$H = 104.00$
Max T/m = 100

19335



$\alpha = 30^\circ$
$R = 5$
$H = 104.00$
Max T/m = 100

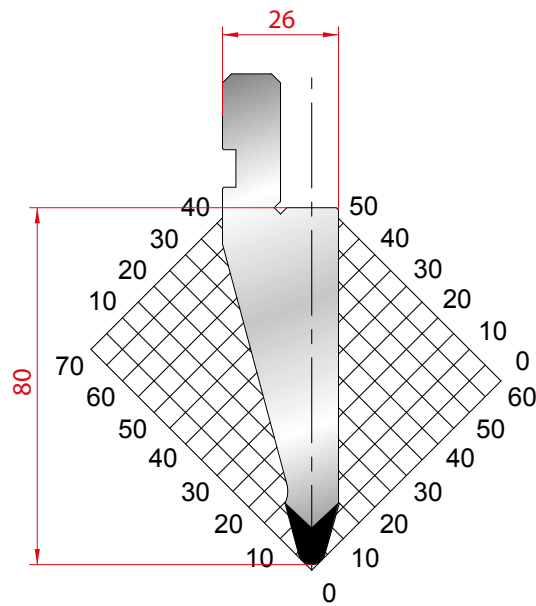
17910



$\alpha = 30^\circ$
$R = 0.5$
$H = 80.00$
Max T/m = 100

15840

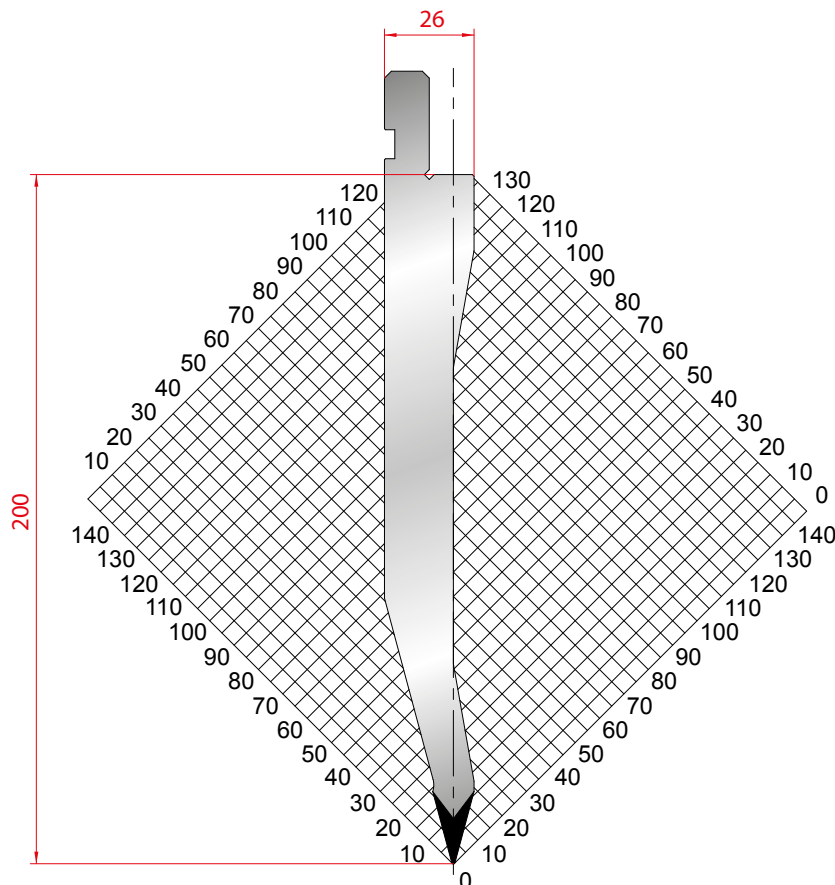
C45



15855

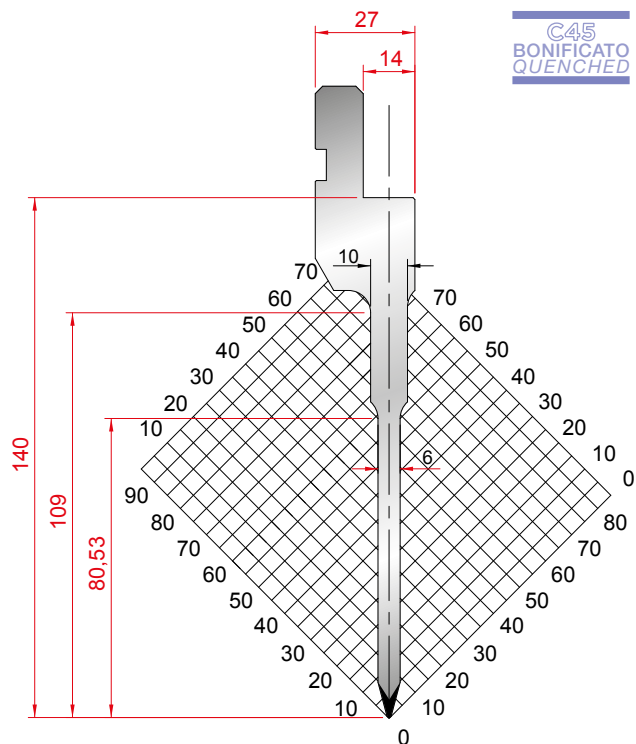
α	= 30°
R	= 3
H	= 80.00
Max T/m	= 100

C45



19380

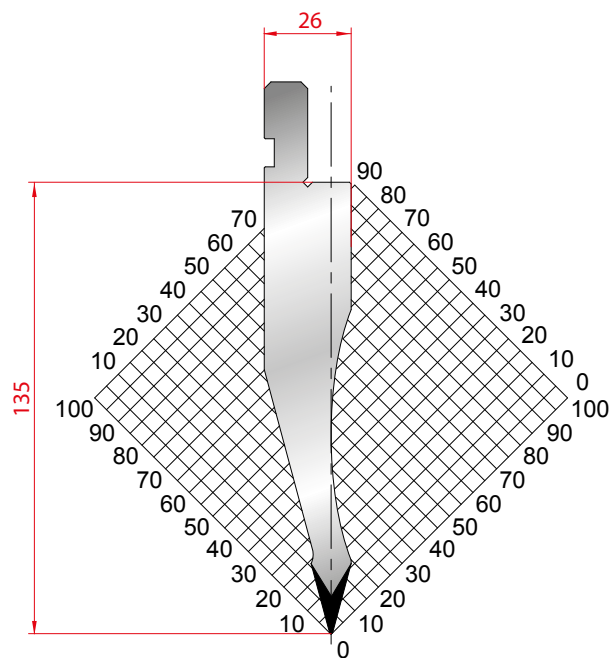
α	= 30°
R	= 0.5
H	= 200.00
Max T/m	= 50



C45

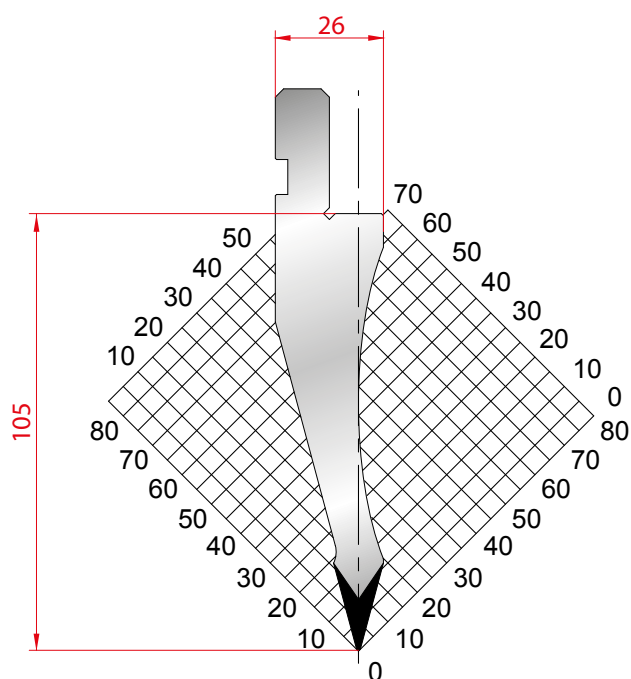
$\alpha = 30^\circ$
$R = 0.6$
$H = 140.00$
Max T/m = 40

16290



$\alpha = 30^\circ$
$R = 0.5$
$H = 135.00$
Max T/m = 50

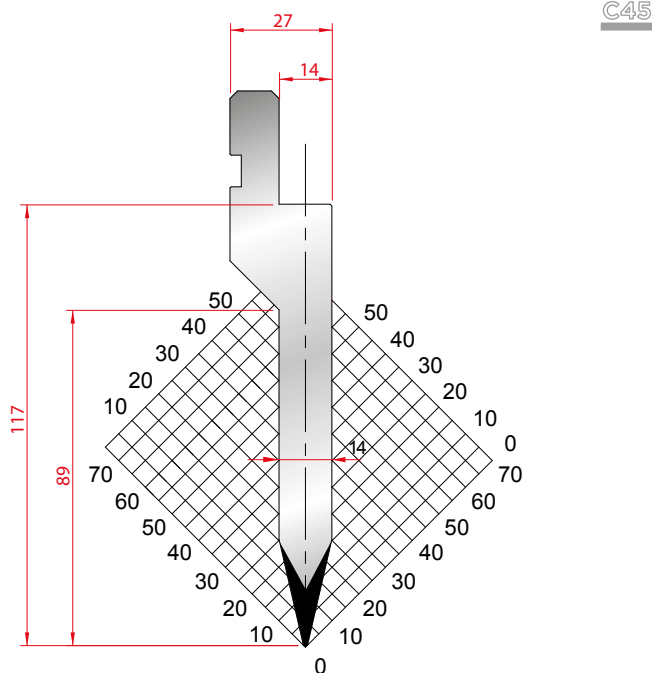
15780



C45

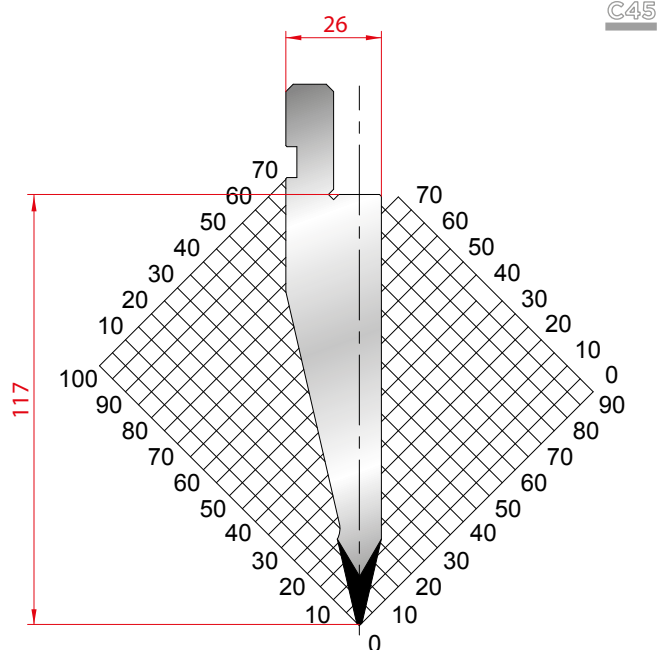
$\alpha = 30^\circ$
$R = 0.5$
$H = 105.00$
Max T/m = 50

15825



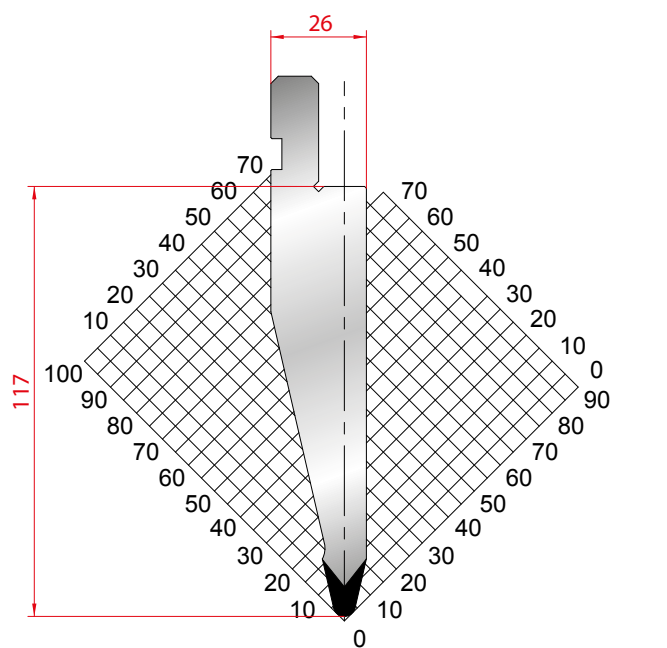
$\alpha = 26^\circ$
$P = 1$
$H = 117.00$
$\text{Max T/m} = 100$

15495



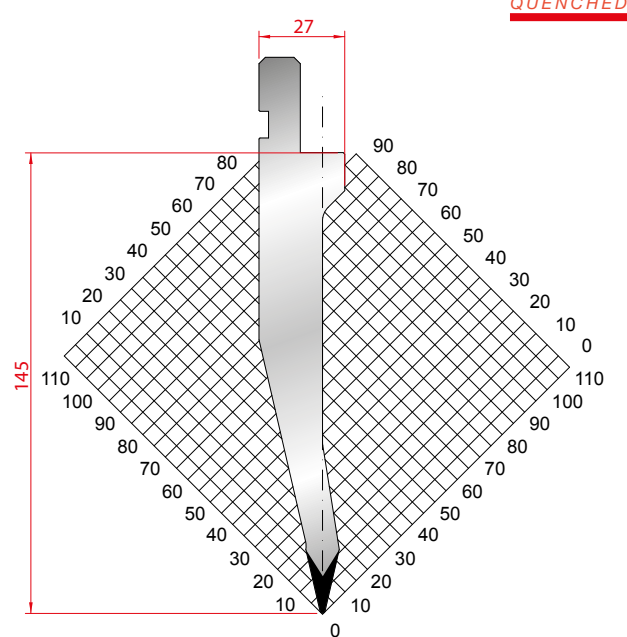
$\alpha = 26^\circ$
$R = 0.8$
$H = 117.00$
$\text{Max T/m} = 100$

17670



$\alpha = 26^\circ$
$R = 3$
$H = 117.00$
$\text{Max T/m} = 100$

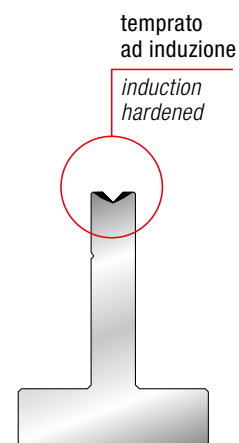
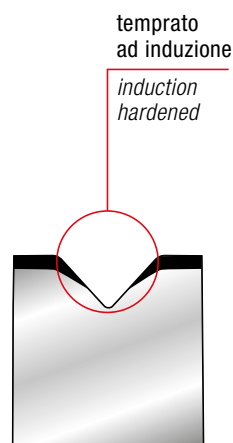
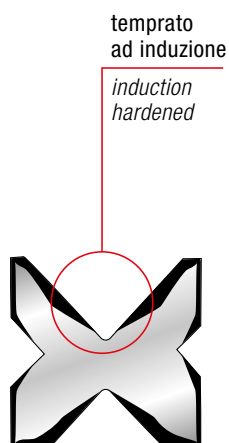
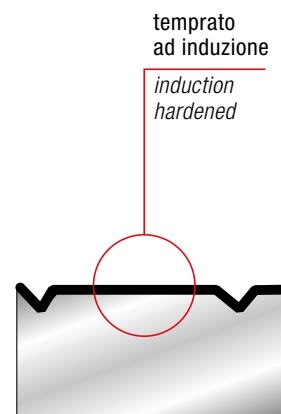
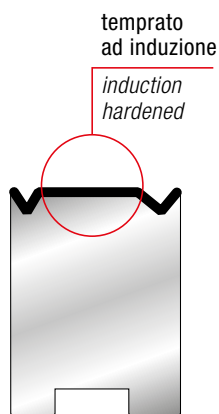
17880



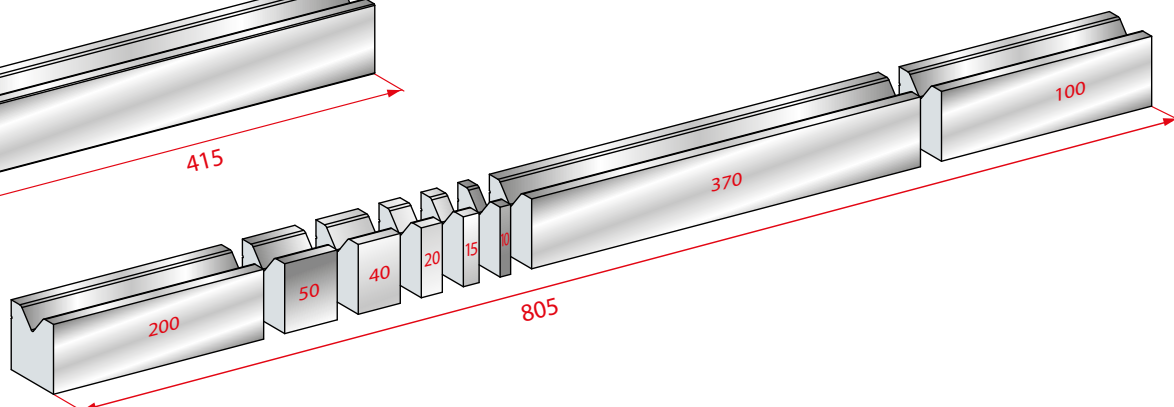
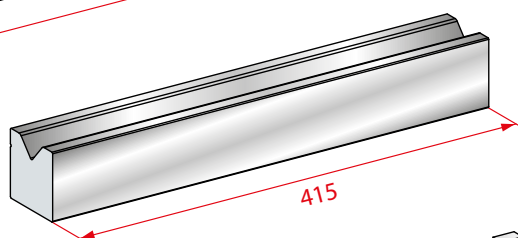
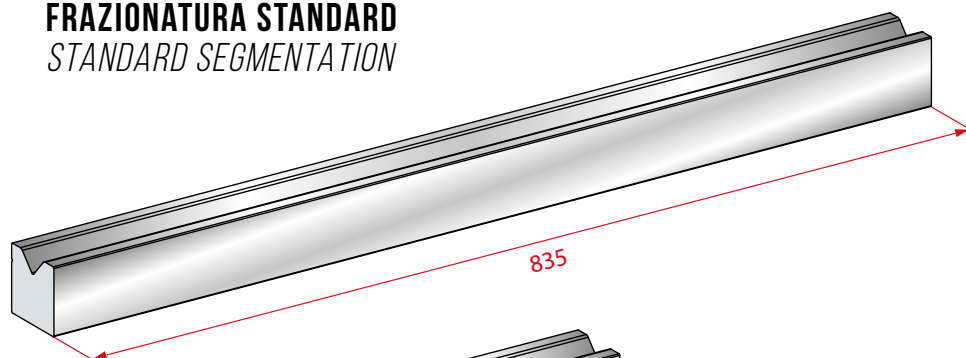
$\alpha = 26^\circ$
$R = 0.8$
$H = 145.00$
$\text{Max T/m} = 100$

19665

LUNGHEZZE STANDARD
STANDARD LENGTHS



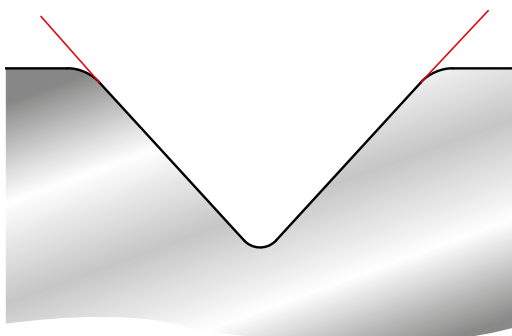
FRAZIONATURA STANDARD
STANDARD SEGMENTATION



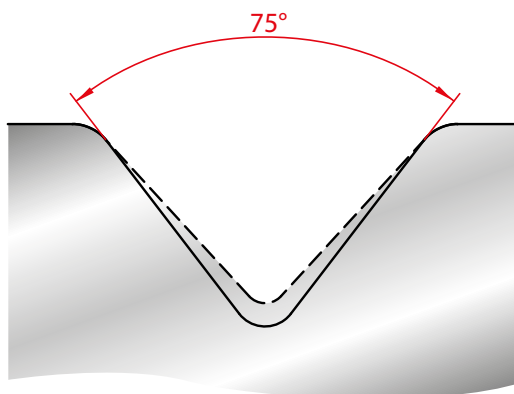
TAGLI A RICHIESTA
SPECIAL SEGMENTATION

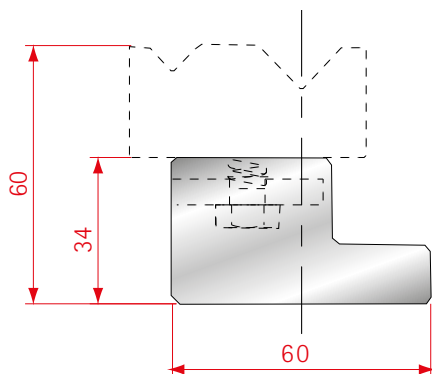


MODIFICA RAGGIO
RADIUS MODIFICATION



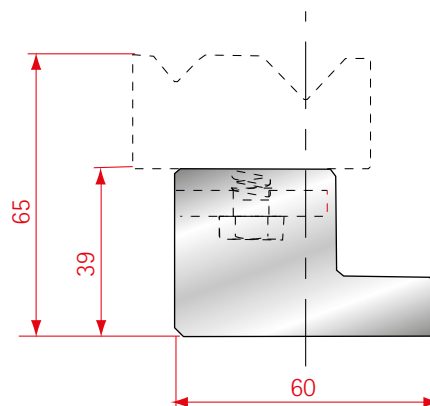
MODIFICA ANGOLO
ANGLE MODIFICATION





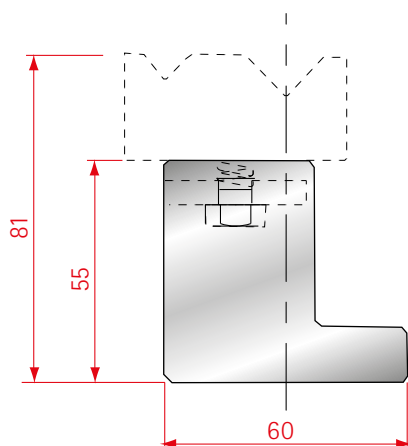
C45

30270



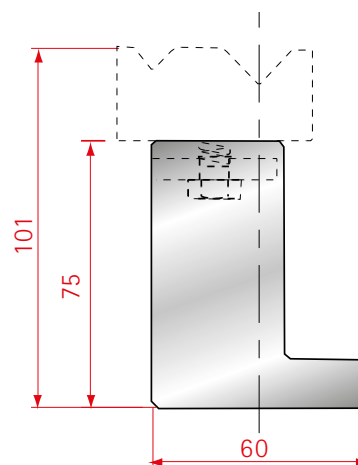
C45

30585



C45

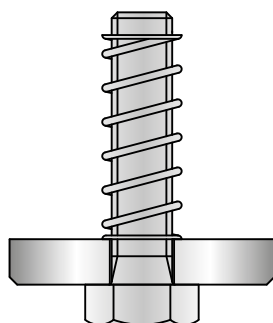
30285



C45

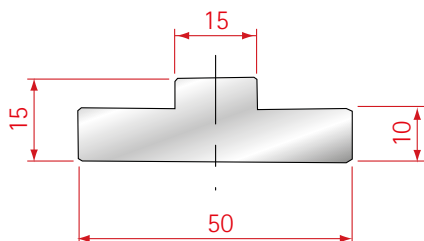
30525

C45



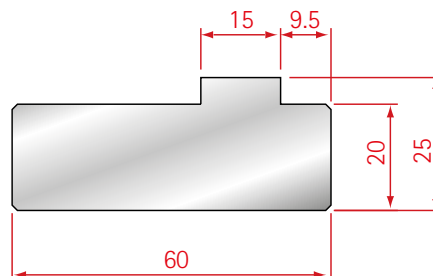
64155

C45



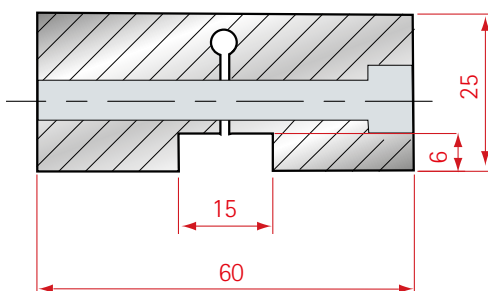
30870

C45



30885

C45



30900

30780

30900

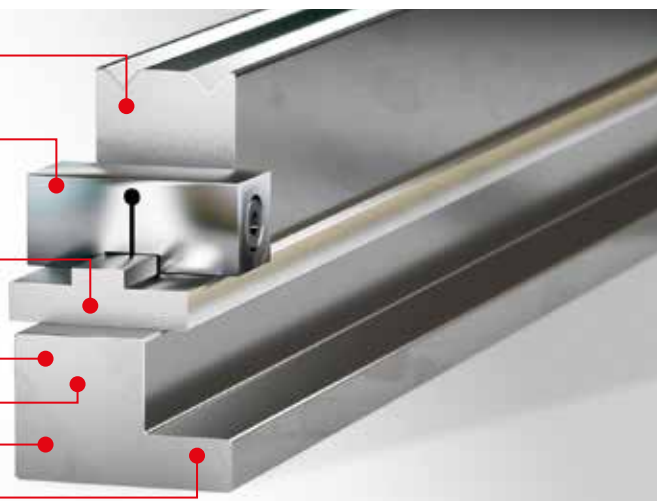
30870

30270

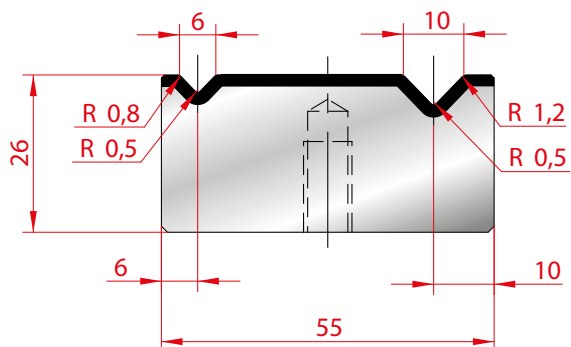
30585

30285

30525



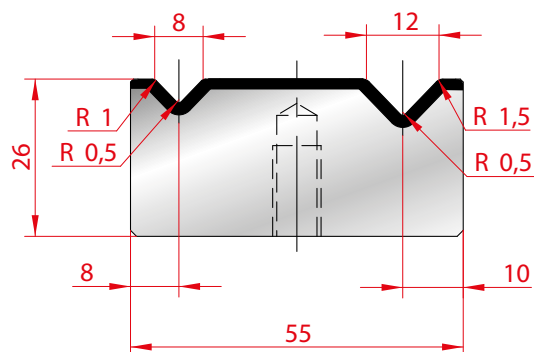
C45



30690

Max T/m = 100

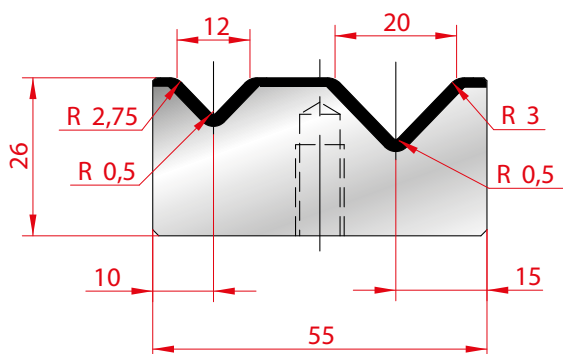
C45



30615

Max T/m = 100

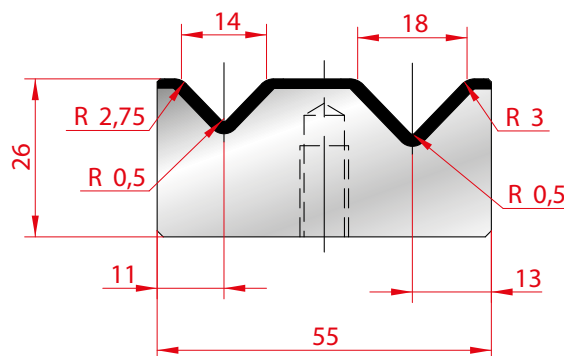
C45



30195

Max T/m = 100

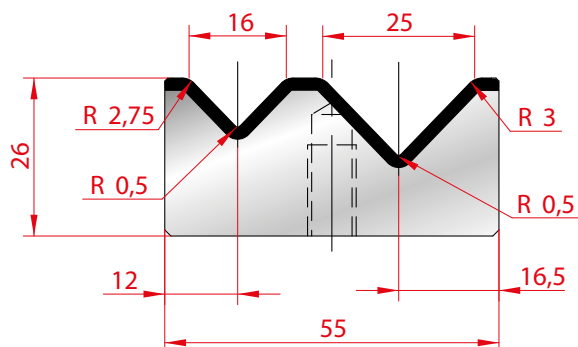
C45



30480

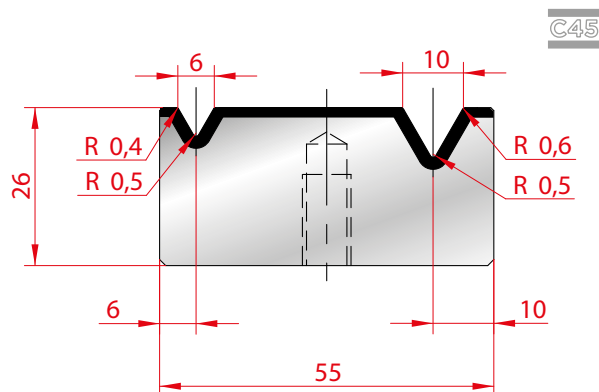
Max T/m = 100

C45



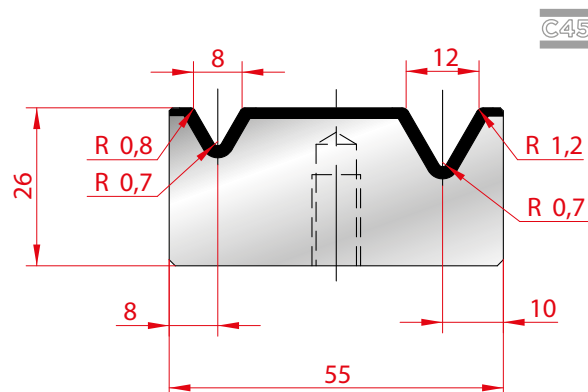
30210

Max T/m = 100



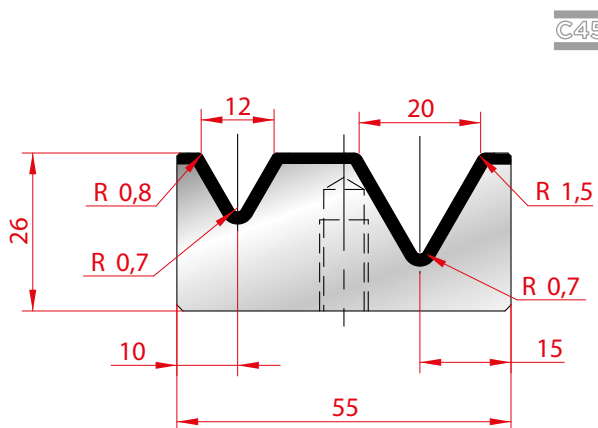
30225

Max T/m = 60



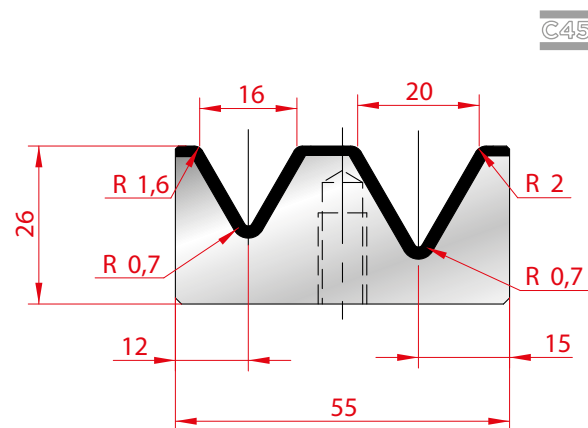
30240

Max T/m = 60



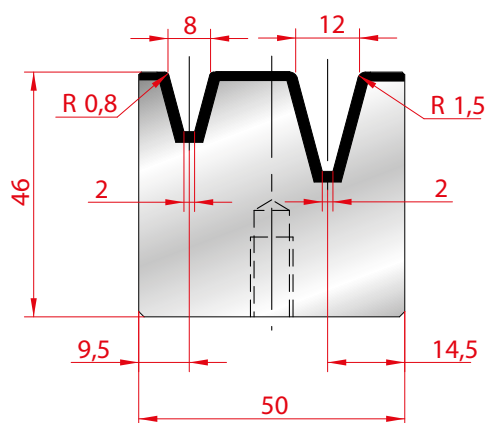
30495

Max T/m = 60



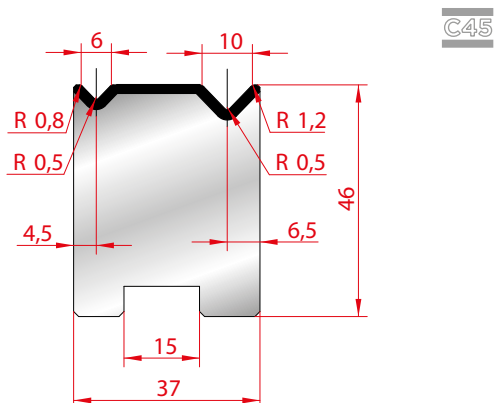
30255

Max T/m = 60



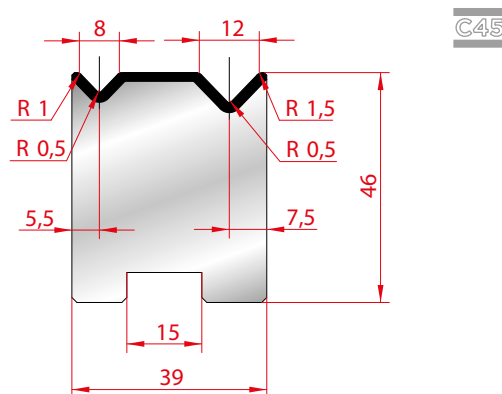
30705

Max T/m = 40



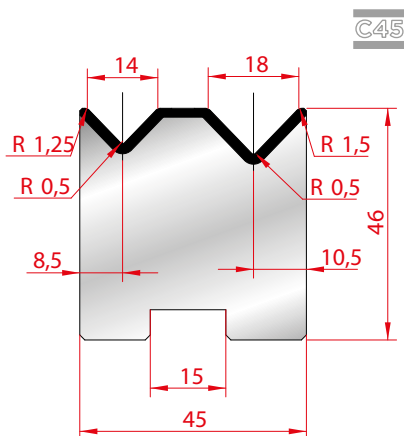
30750

Max T/m = 80



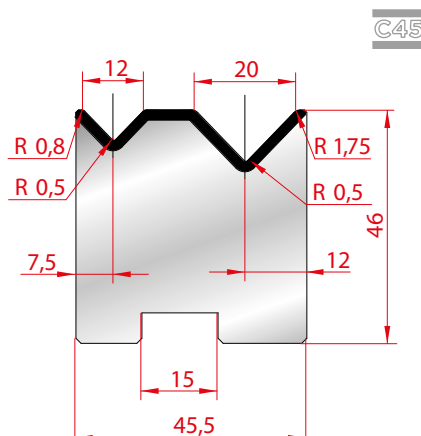
30780

Max T/m = 80



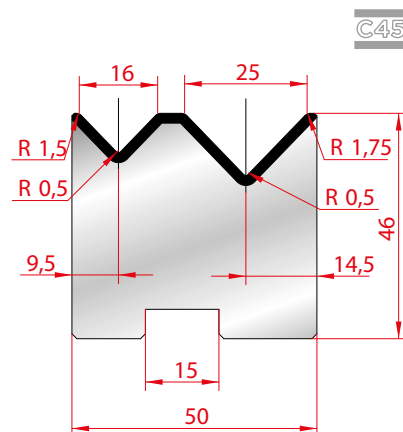
30795

Max T/m = 80



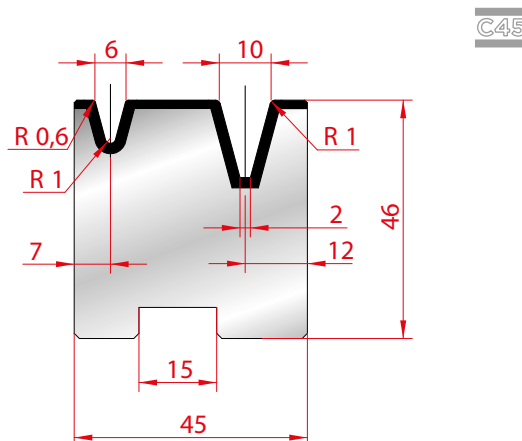
30810

Max T/m = 80



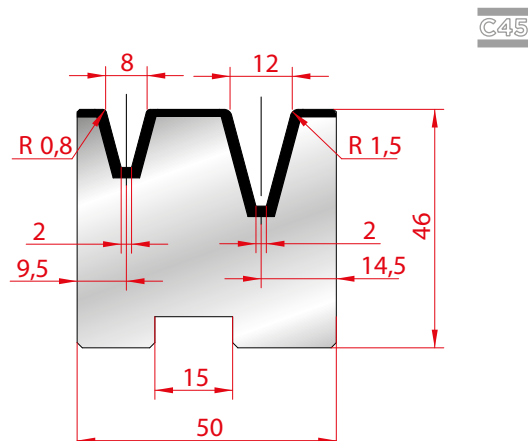
30825

Max T/m = 80



30855

Max T/m = 40

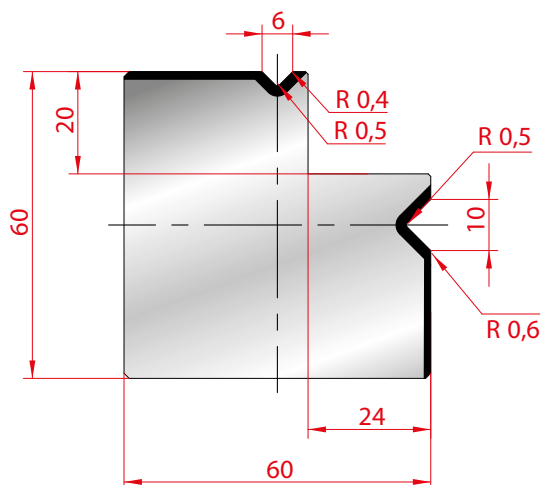


30840

Max T/m = 40

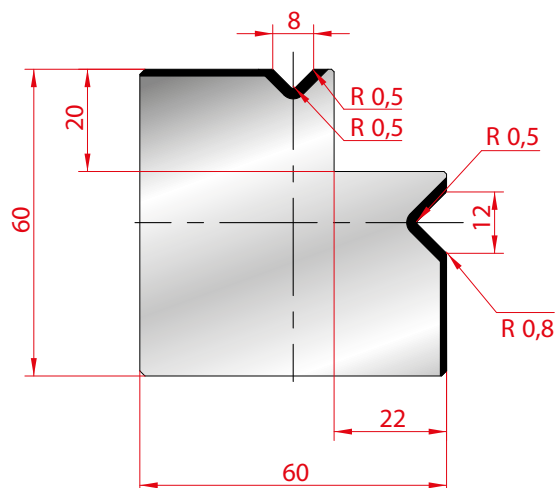
C45

C45



30420

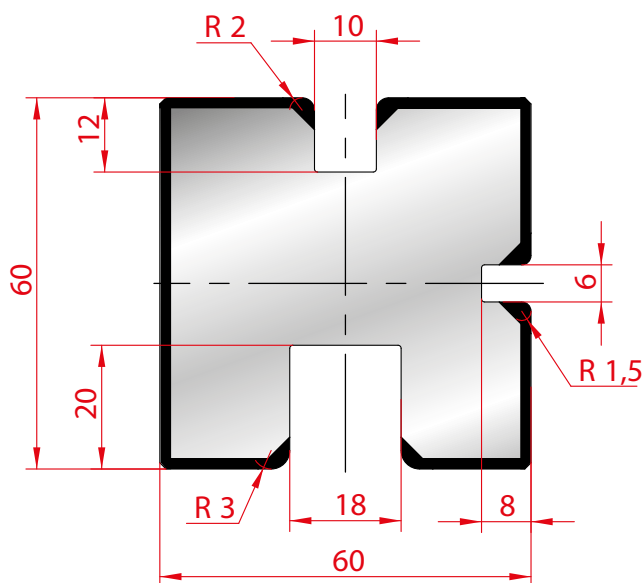
Max T/m = 80



30435

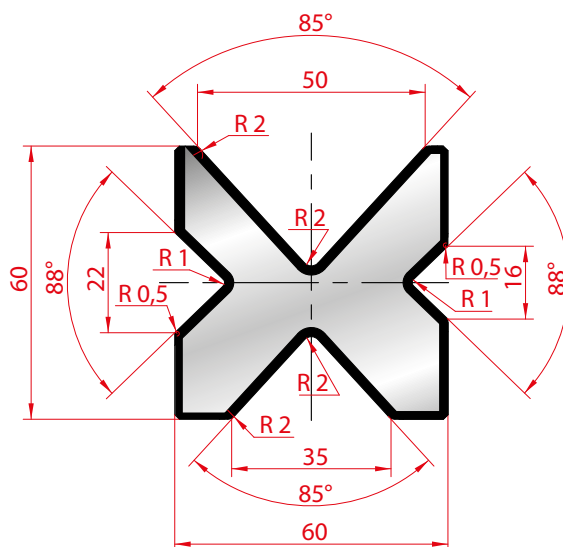
Max T/m = 80

C45



30465

Max T/m = 100



C45

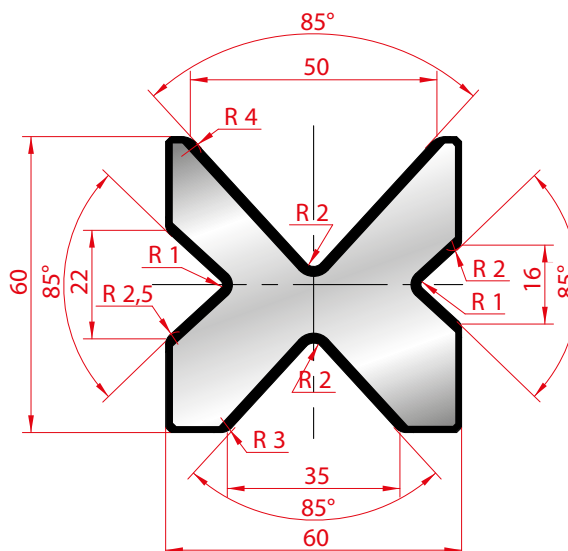
ANGOLI CONTRAPPOSTI
OPPOSITE CORNERS

88°

85°

Max T/m = 80

30450



C45

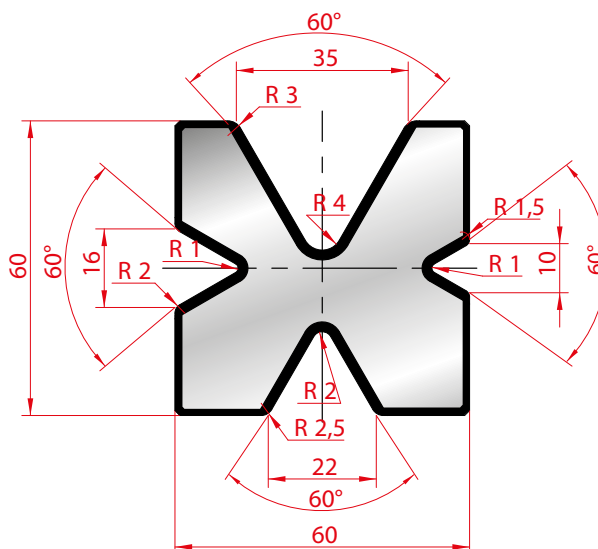
ANGOLI CONTRAPPOSTI
OPPOSITE CORNERS

85°

85°

Max T/m = 80

31005



C45

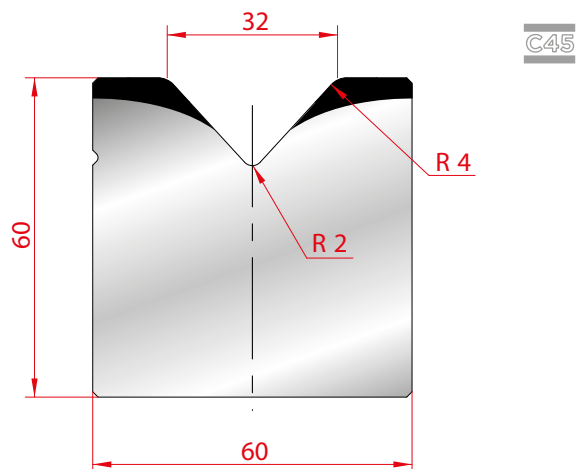
ANGOLI CONTRAPPOSTI
OPPOSITE CORNERS

60°

60°

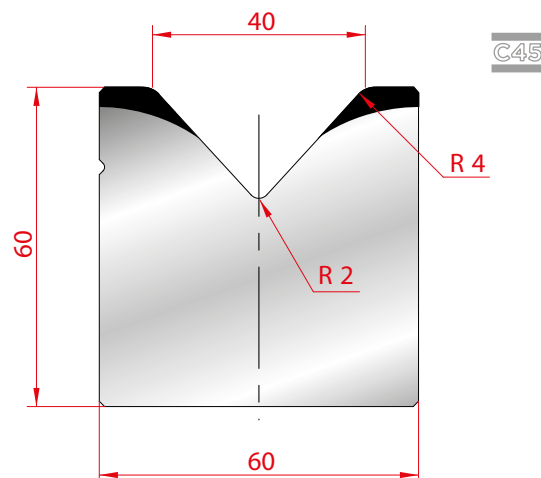
Max T/m = 60

30510



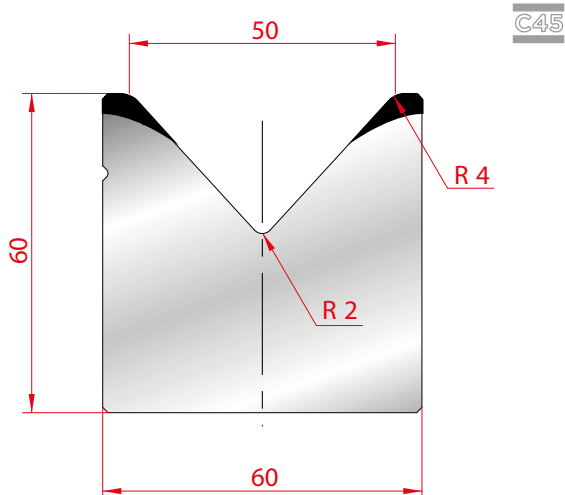
30300

Max T/m = 80



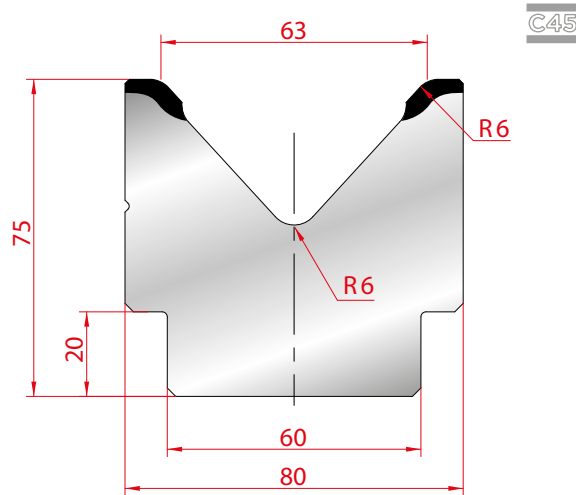
30315

Max T/m = 100



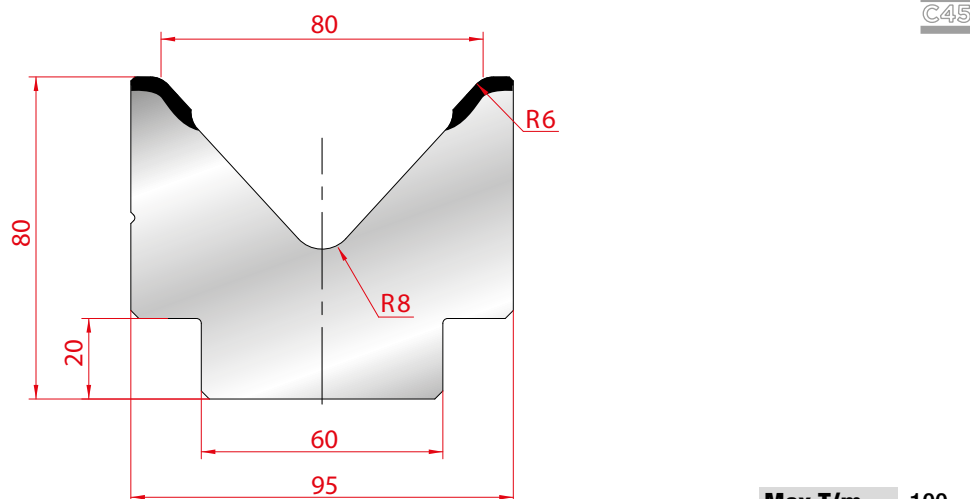
30330

Max T/m = 80



30345

Max T/m = 100

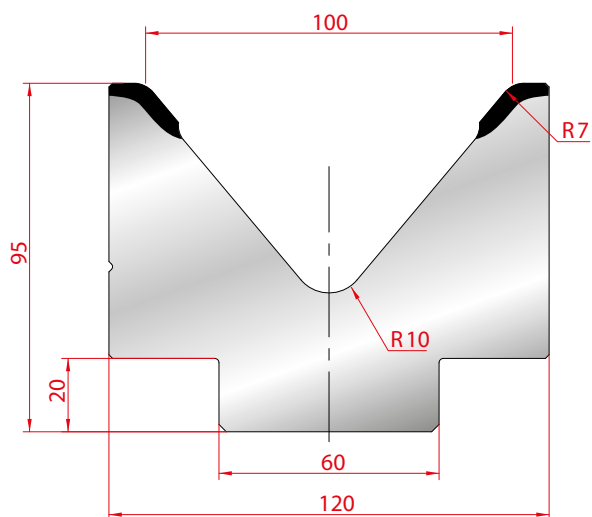


30360

Max T/m = 100

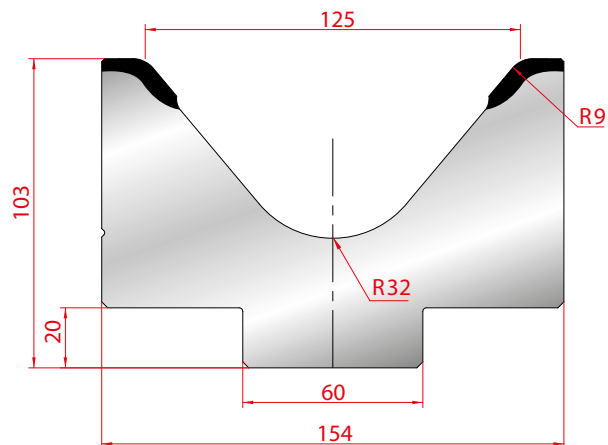
C45

C45



30375

Max T/m = 120

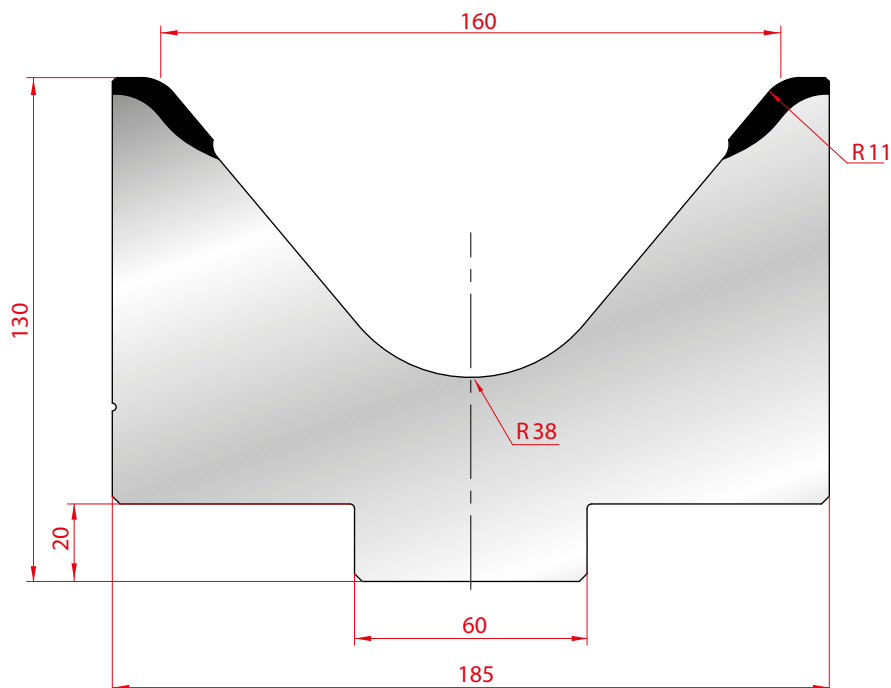


30390

Max T/m = 120

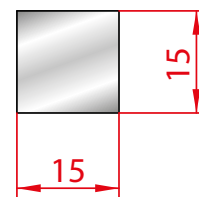
C45

C45



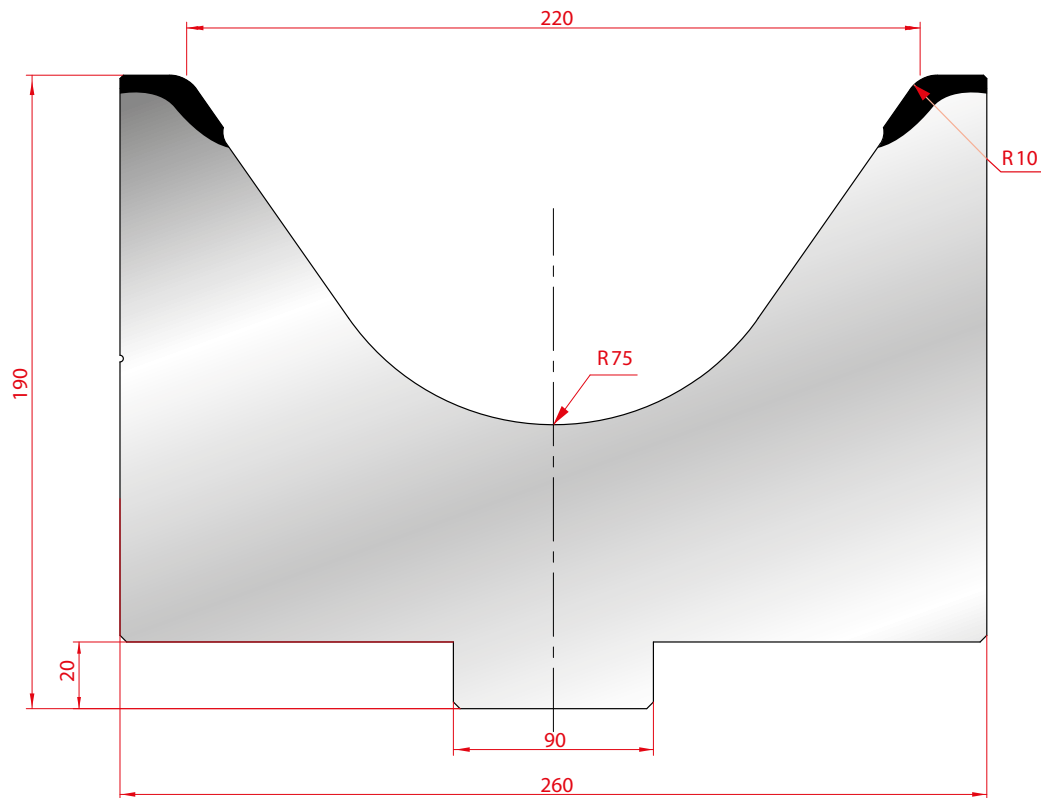
30405

Max T/m = 120



TRAFILATI 15X15
DRAWN INSERTS 15X15

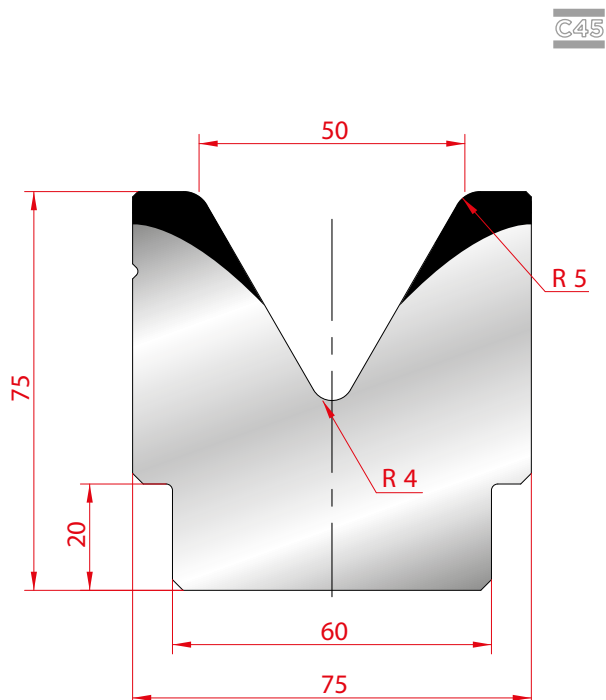
121590



109350 L= 505

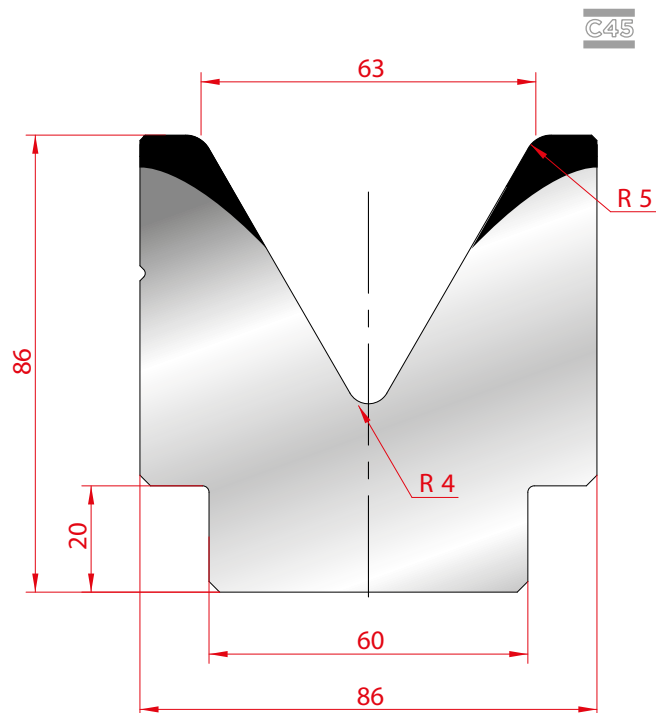
Max T/m = 200





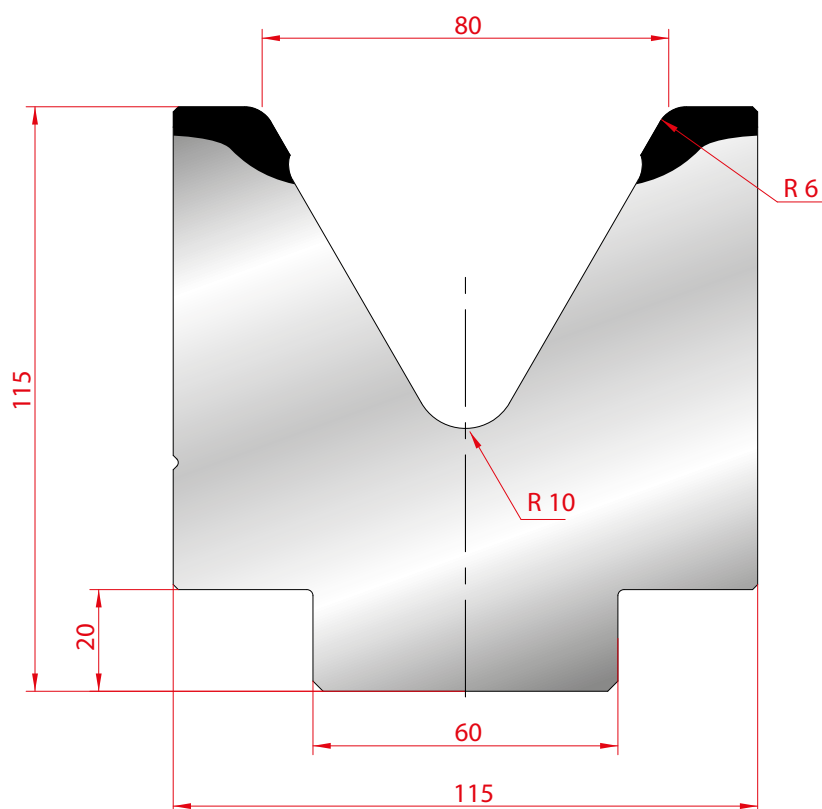
31230

Max T/m = 100



31245

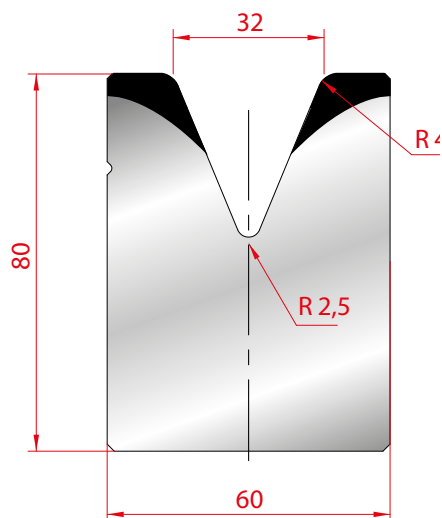
Max T/m = 100



31335

Max T/m = 100

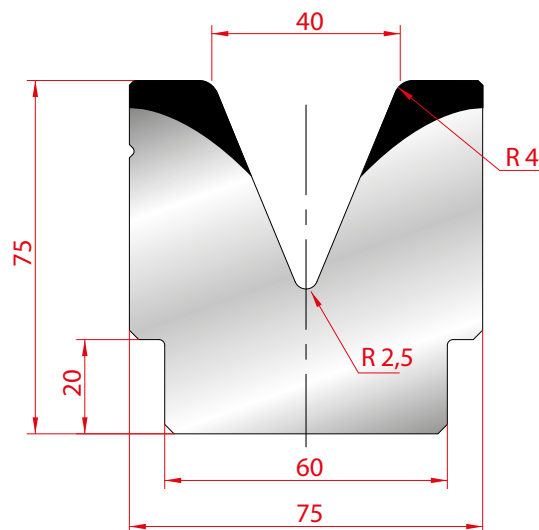
C45



31320

Max T/m = 100

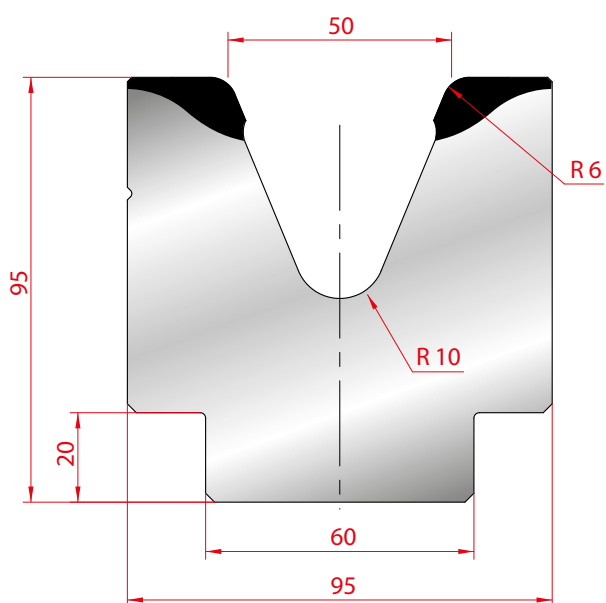
C45



31215

Max T/m = 100

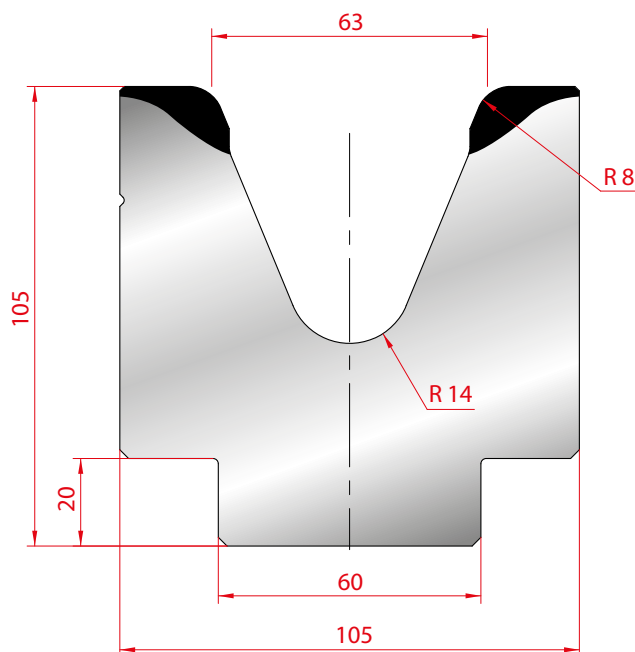
C45



31770

Max T/m = 100

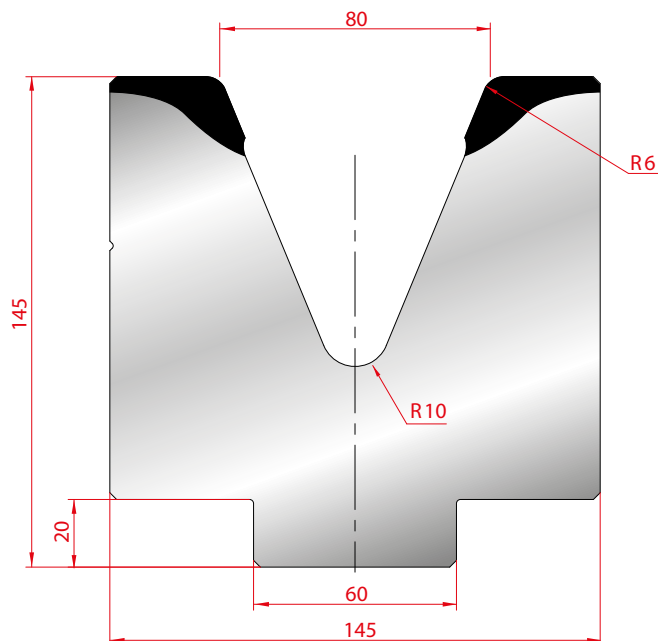
C45



31755

Max T/m = 100

C45

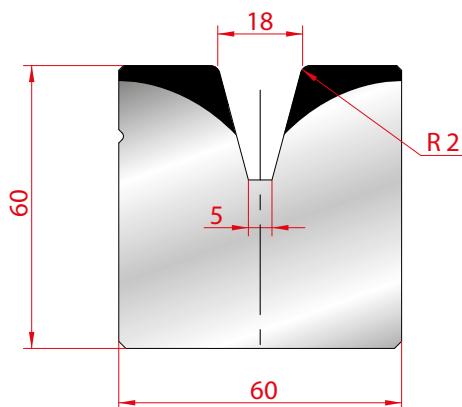


31260

Max T/m = 100

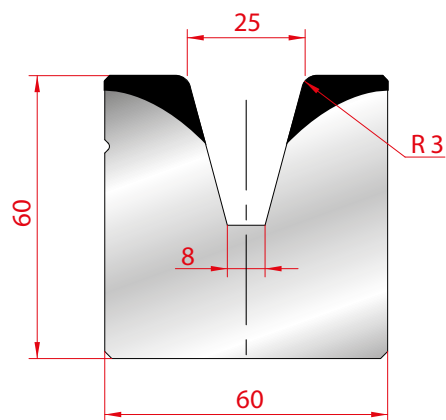
C45

C45



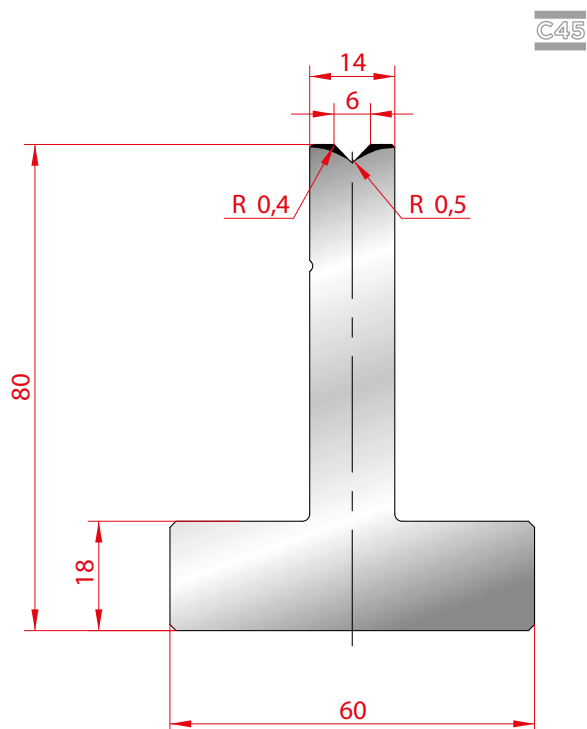
31290

Max T/m = 100



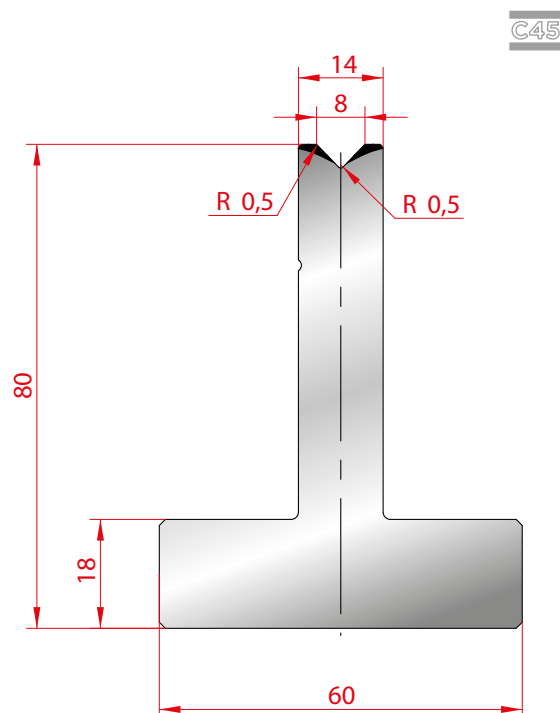
31305

Max T/m = 100



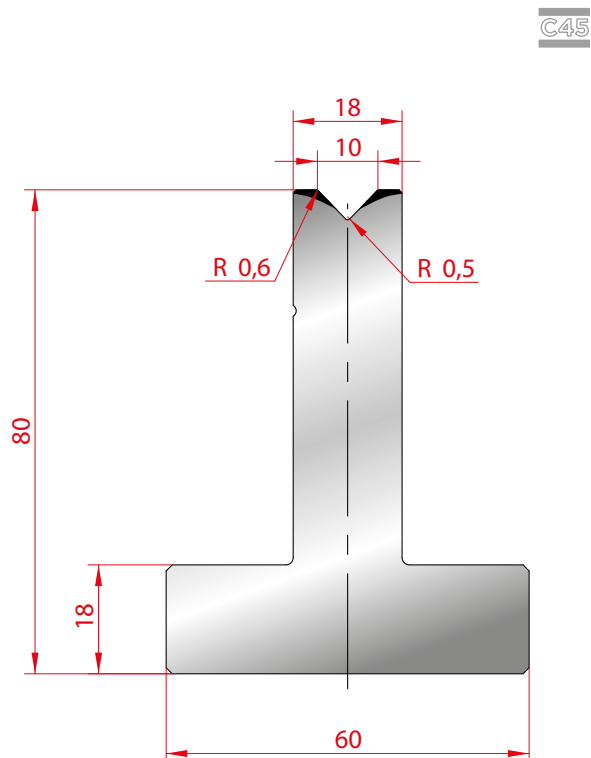
46200

Max T/m = 100



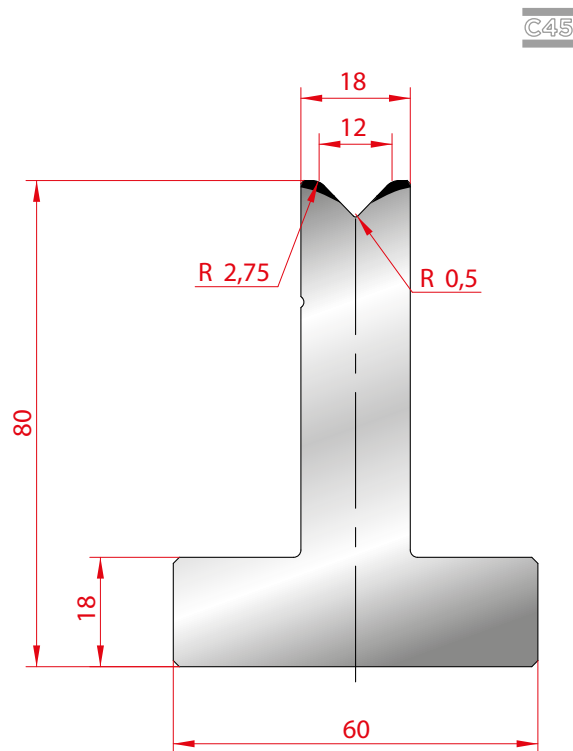
46215

Max T/m = 100



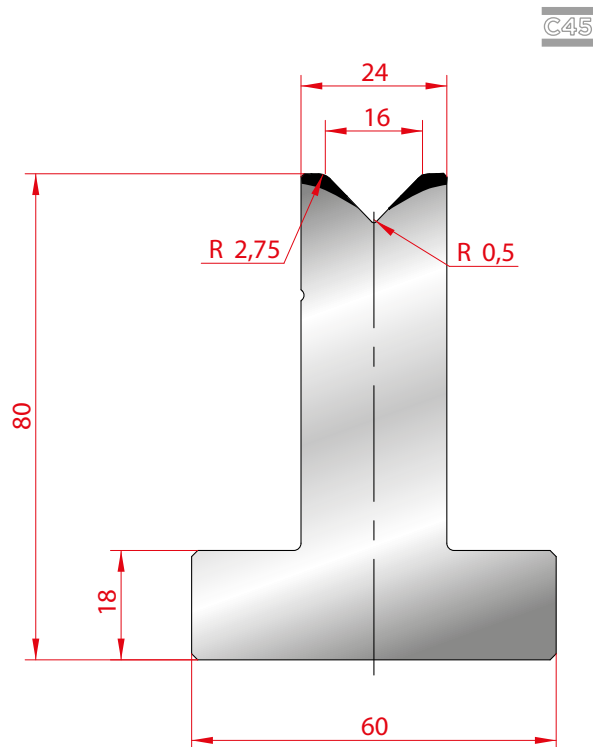
46230

Max T/m = 100



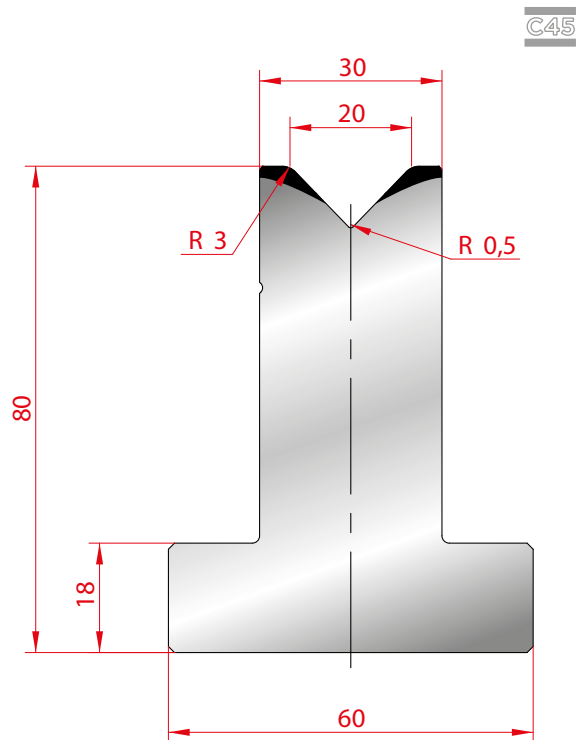
45225

Max T/m = 100



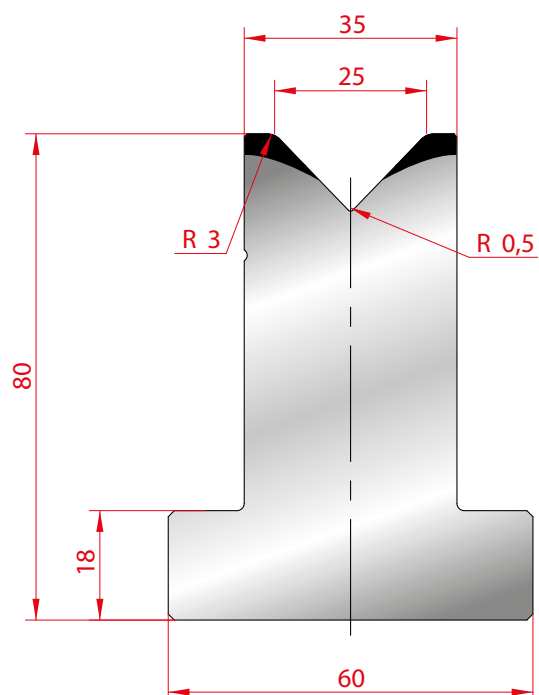
45240

Max T/m = 100



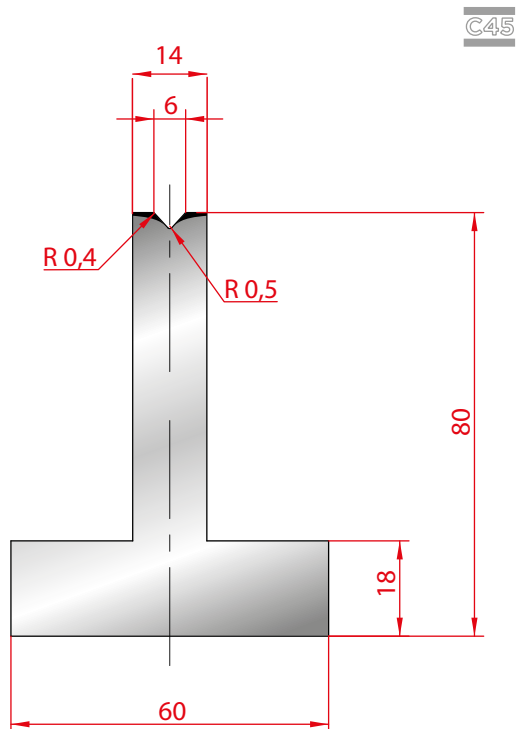
45255

Max T/m = 100



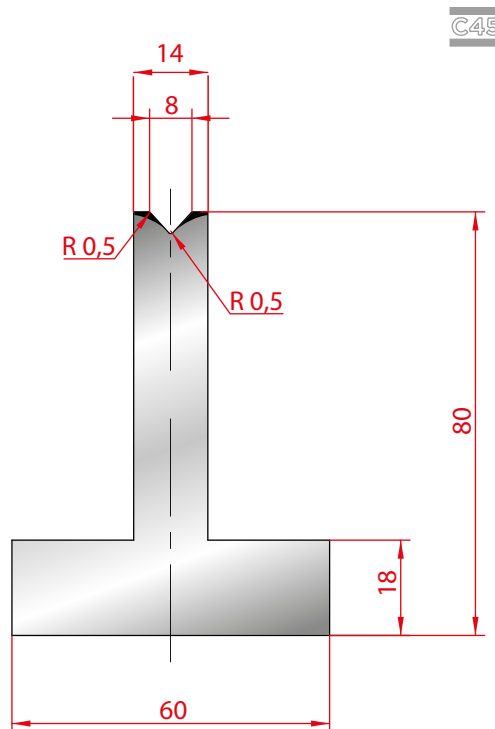
45270

Max T/m = 100



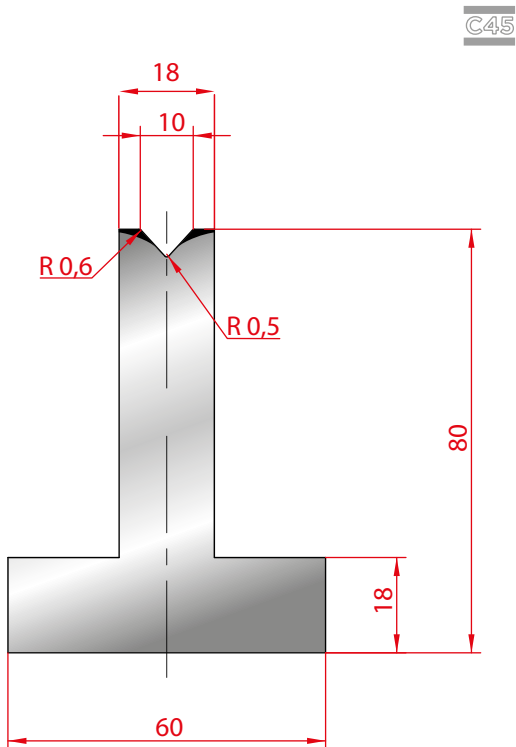
46290

Max T/m = 100



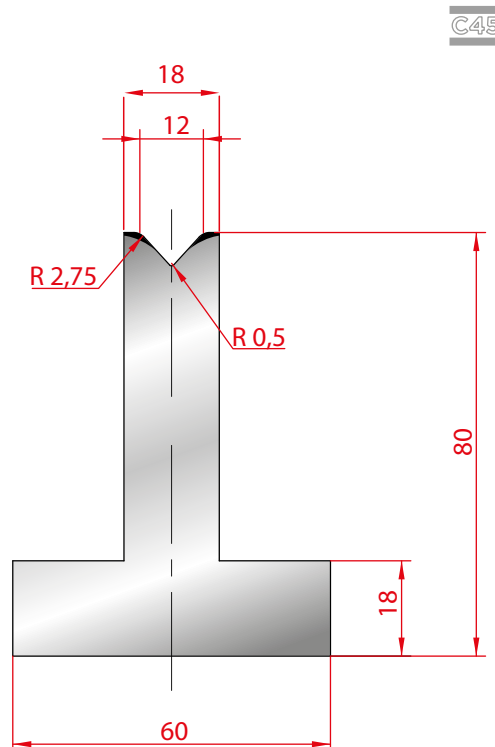
46305

Max T/m = 100



46320

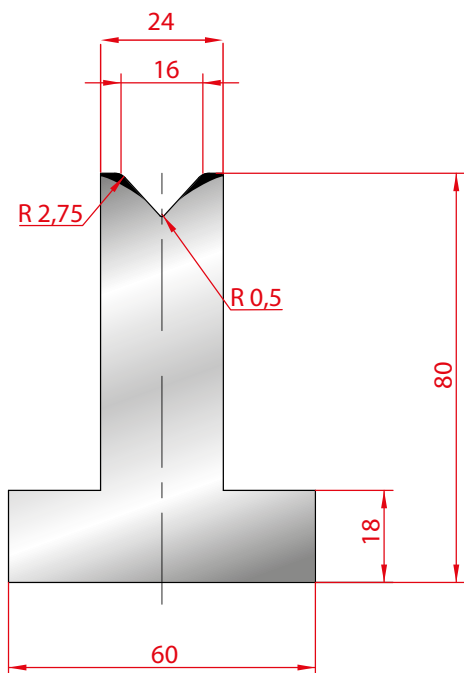
Max T/m = 100



46335

Max T/m = 100

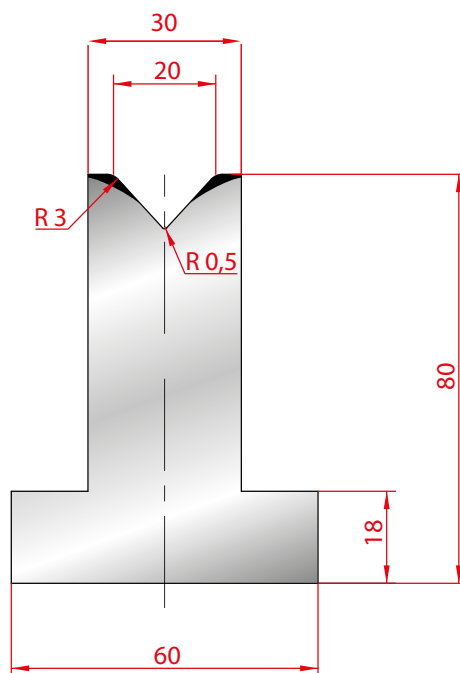
C45



46350

Max T/m = 100

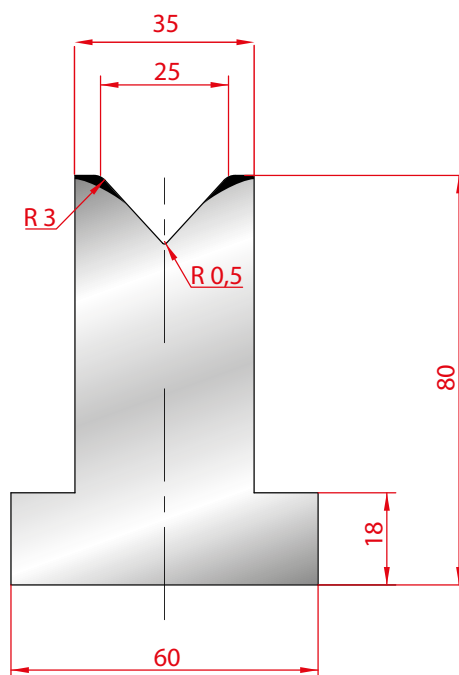
C45



46365

Max T/m = 100

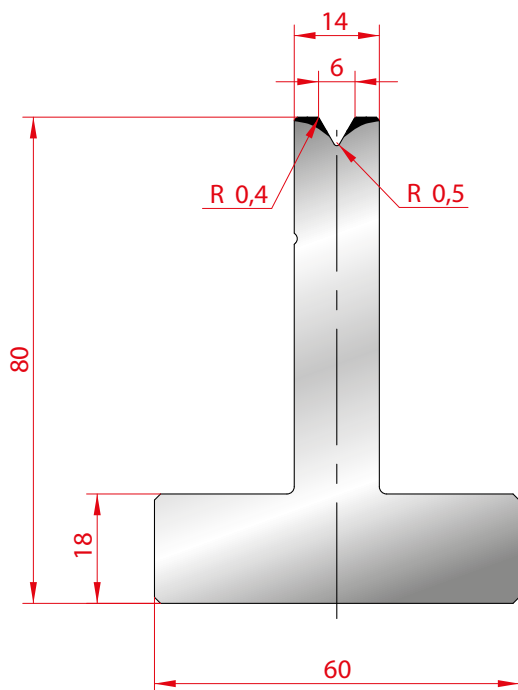
C45



46380

Max T/m = 100

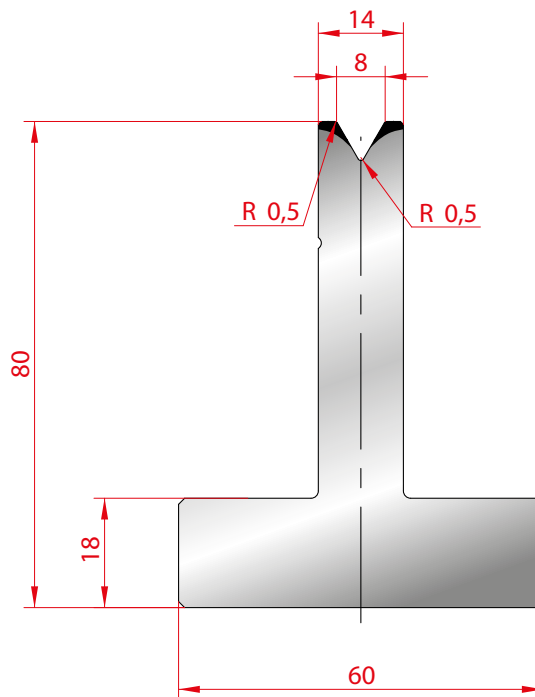
C45



45285

Max T/m = 60

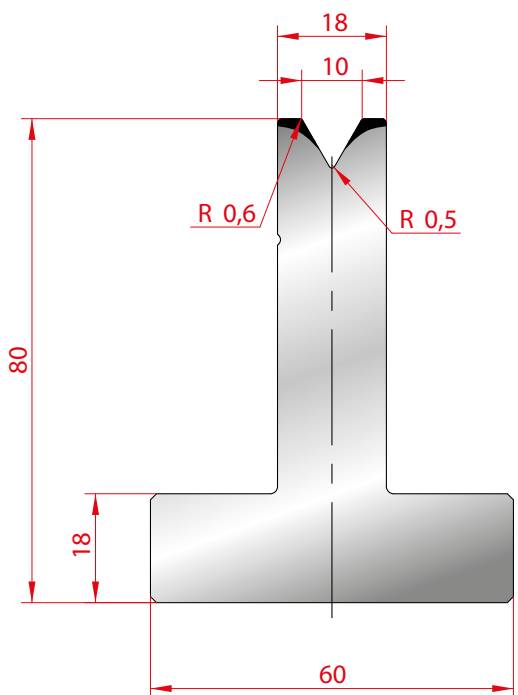
C45



45300

Max T/m = 60

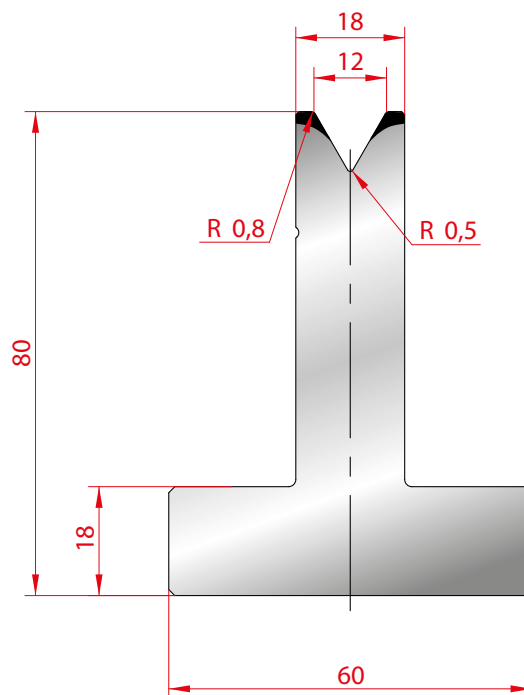
C45



45315

Max T/m = 60

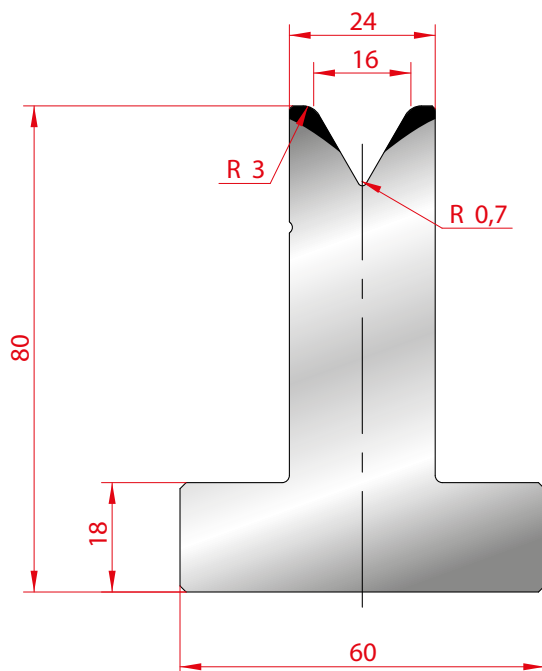
C45



45330

Max T/m = 75

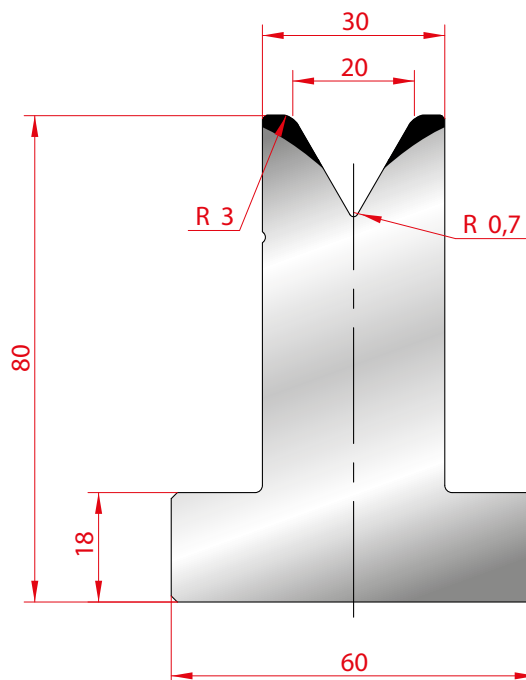
C45



45345

Max T/m = 70

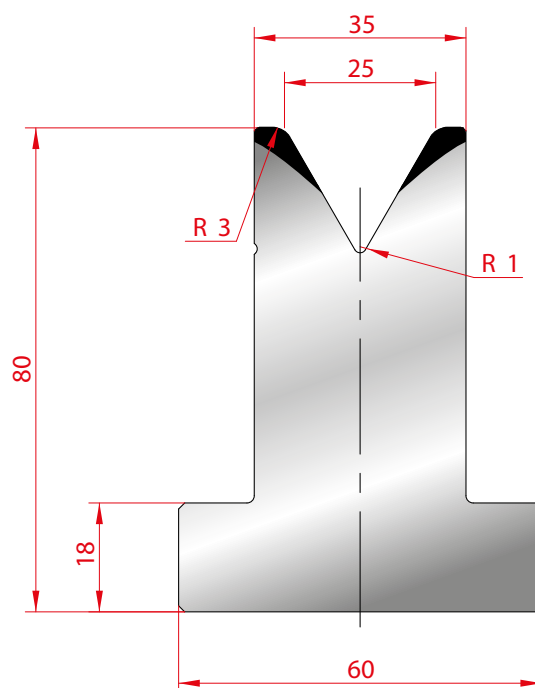
C45



45360

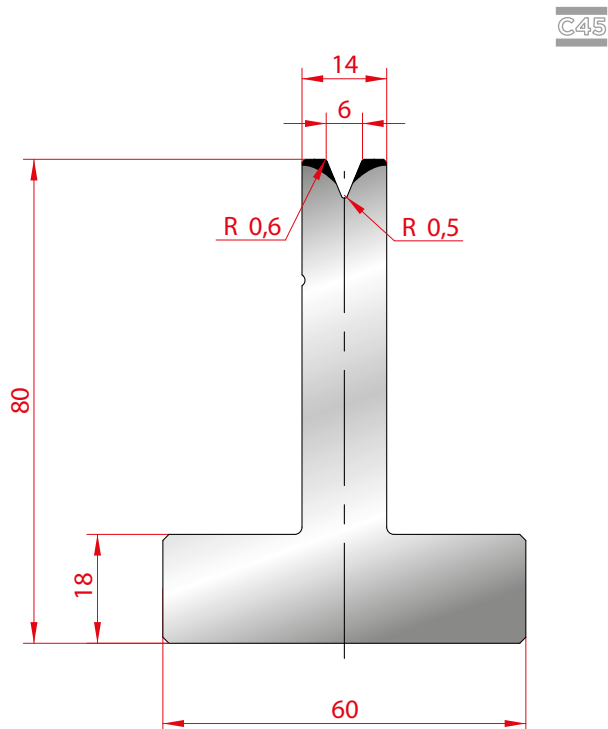
Max T/m = 65

C45



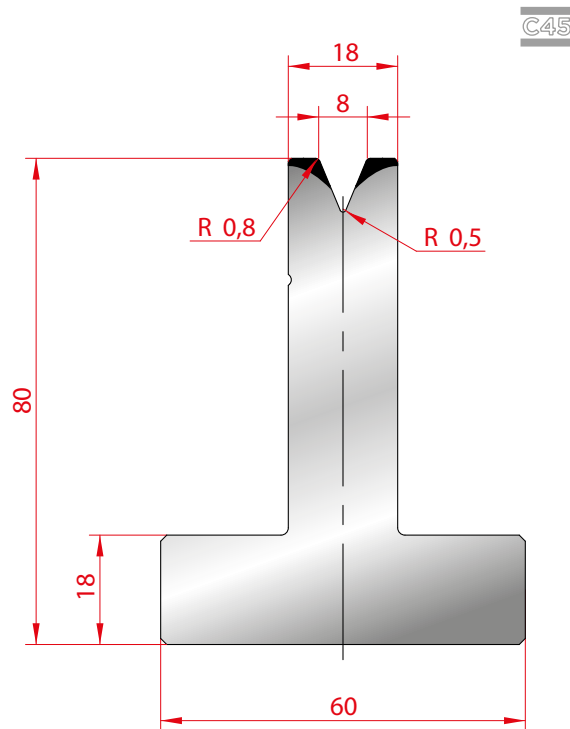
45375

Max T/m = 60



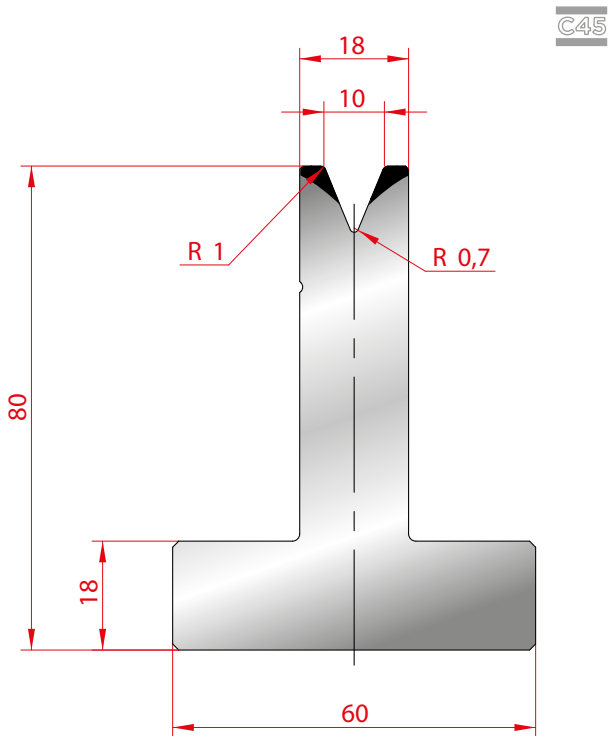
45390

Max T/m = 50



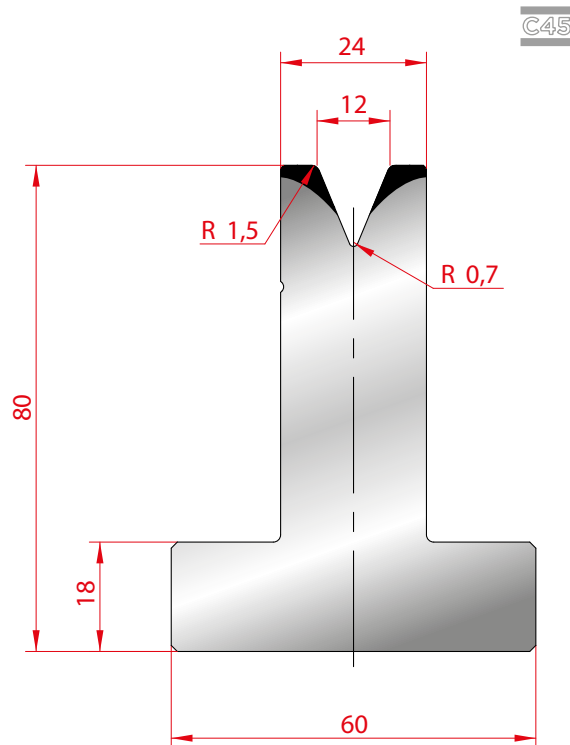
45405

Max T/m = 50



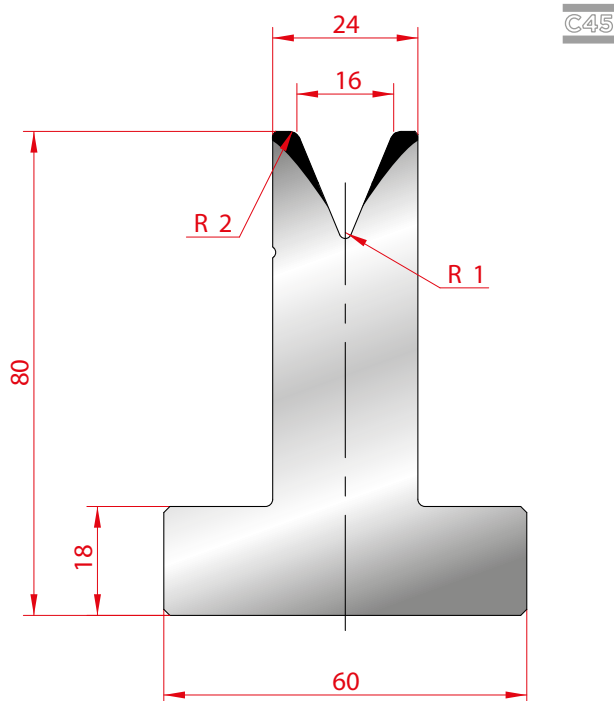
45420

Max T/m = 50



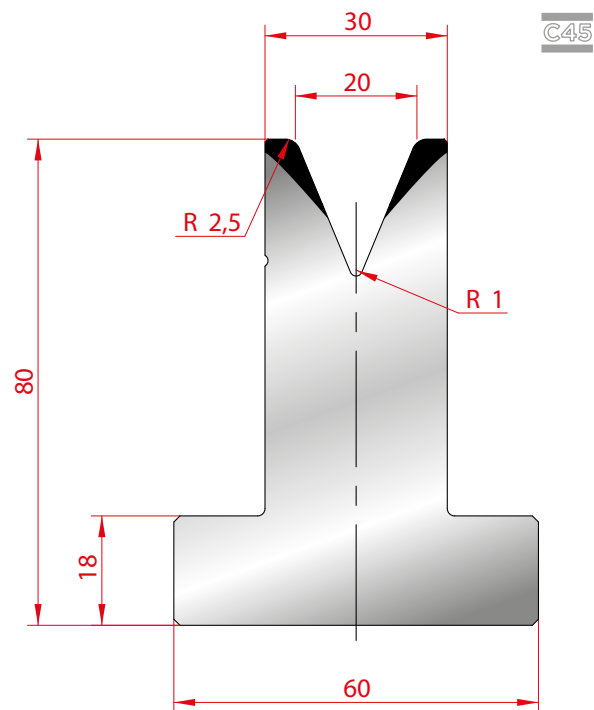
45435

Max T/m = 50



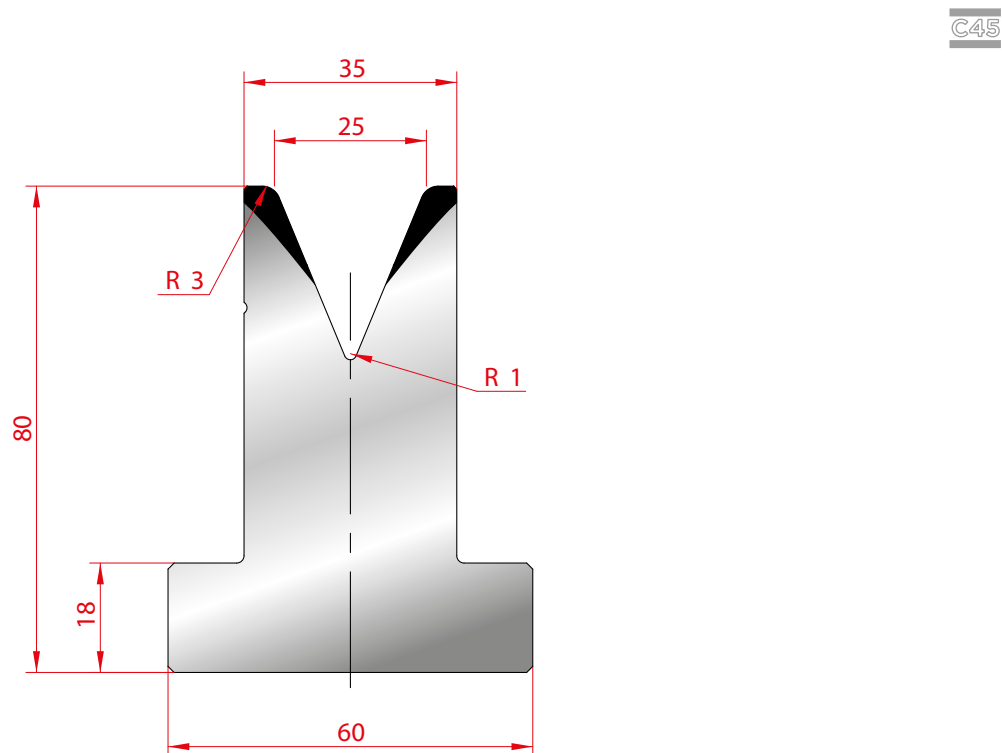
45450

Max T/m = 50



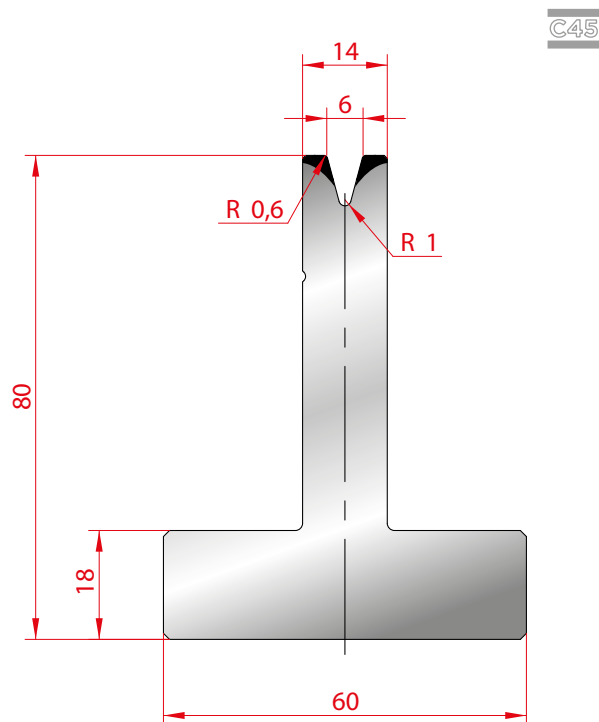
45465

Max T/m = 50



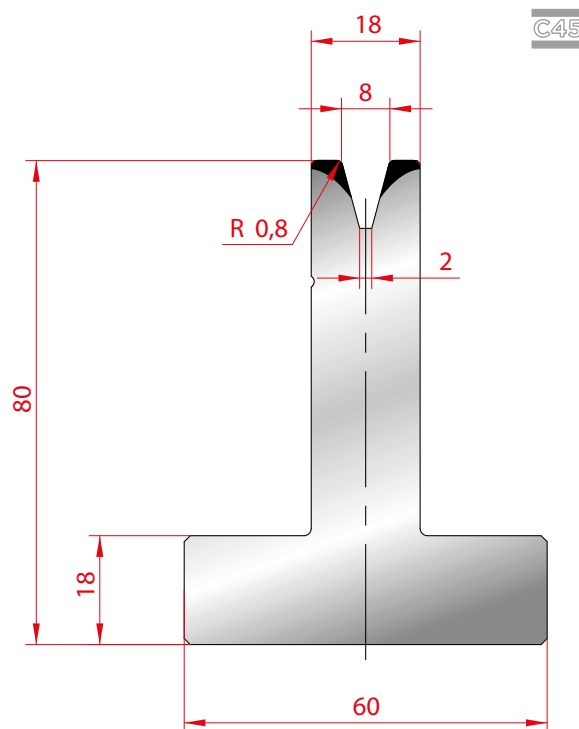
45480

Max T/m = 50



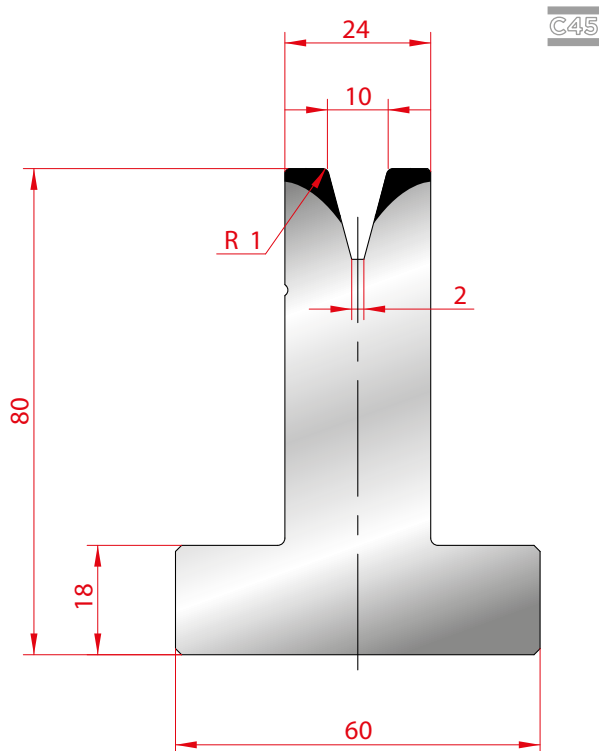
45630

Max T/m = 35



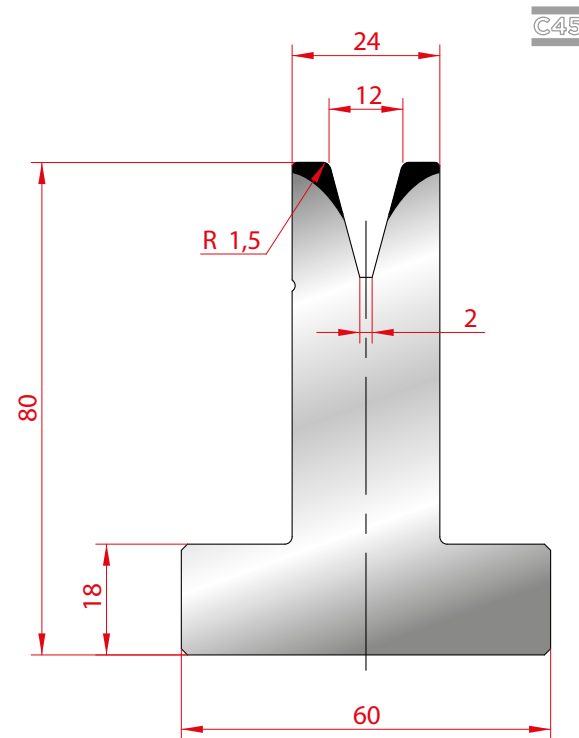
45645

Max T/m = 40



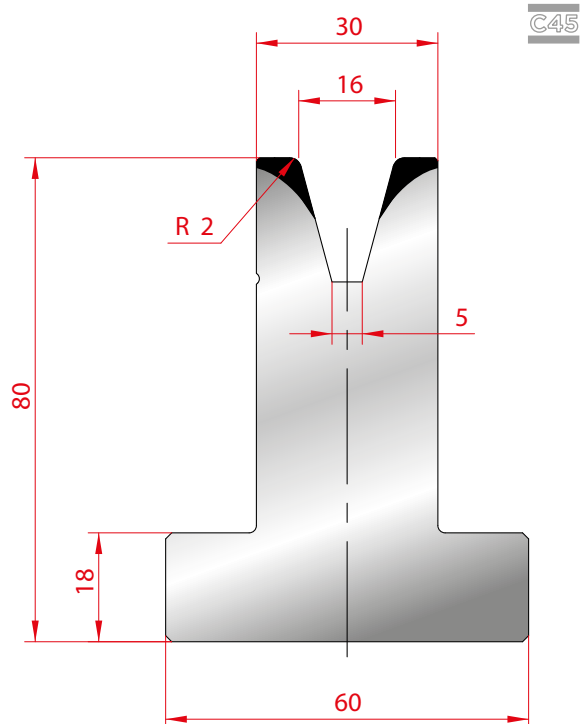
45660

Max T/m = 50



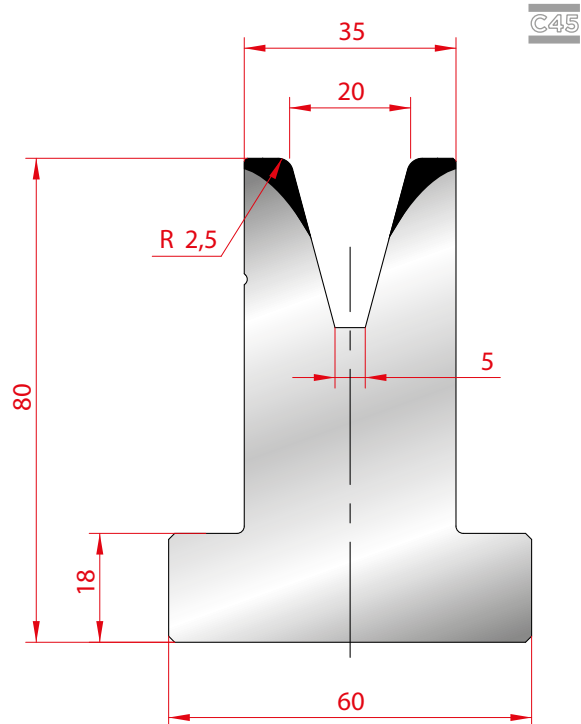
45675

Max T/m = 50



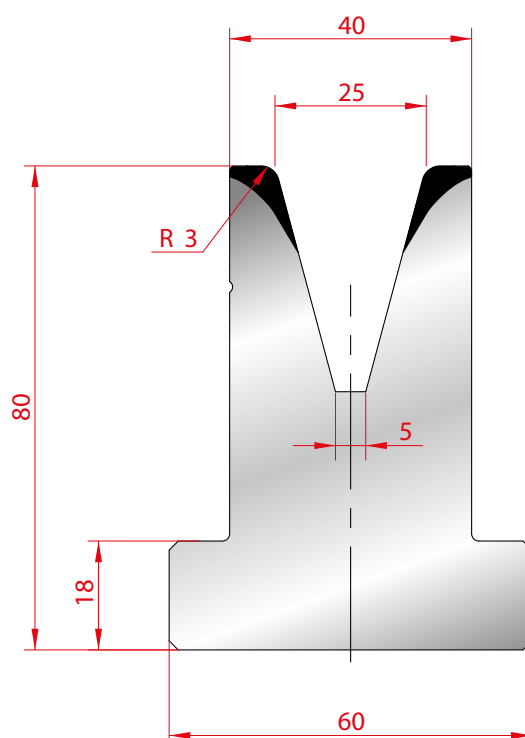
45690

Max T/m = 50



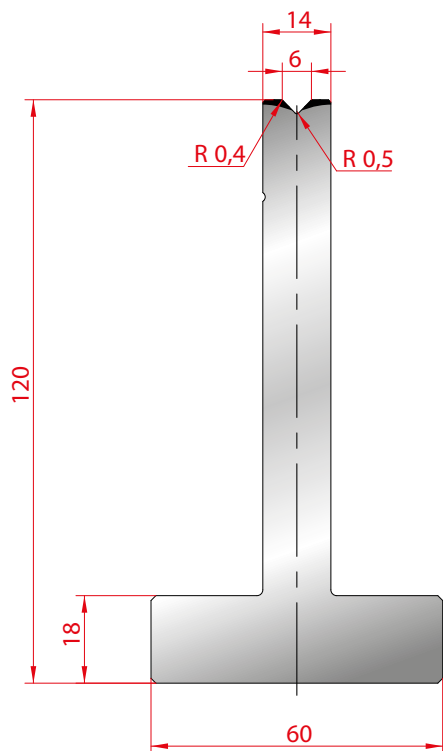
45705

Max T/m = 55



45720

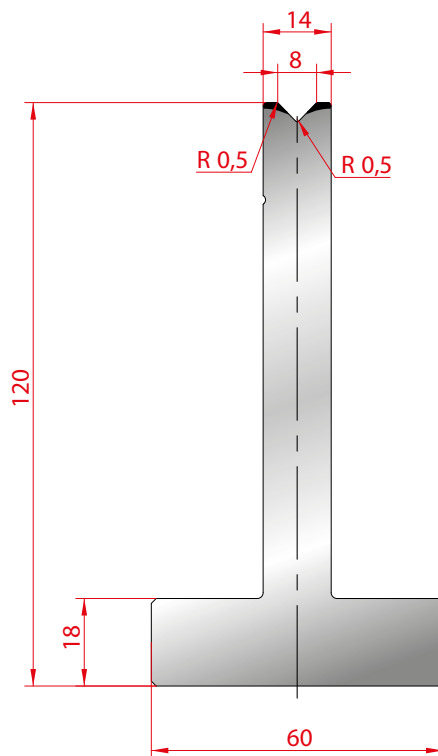
Max T/m = 55



C45

46245

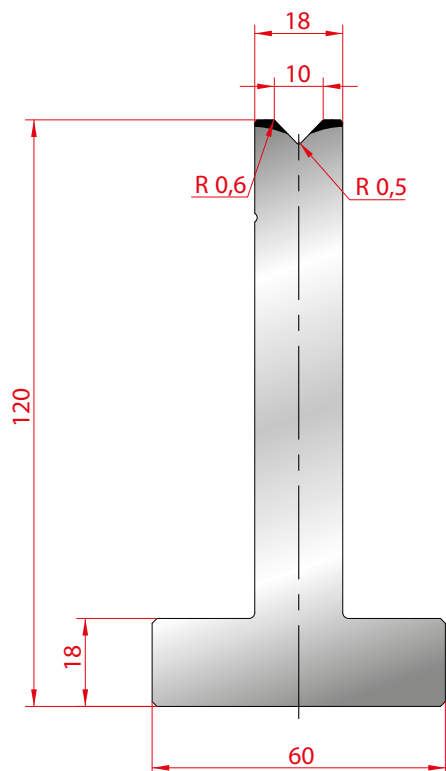
Max T/m = 100



C45

46260

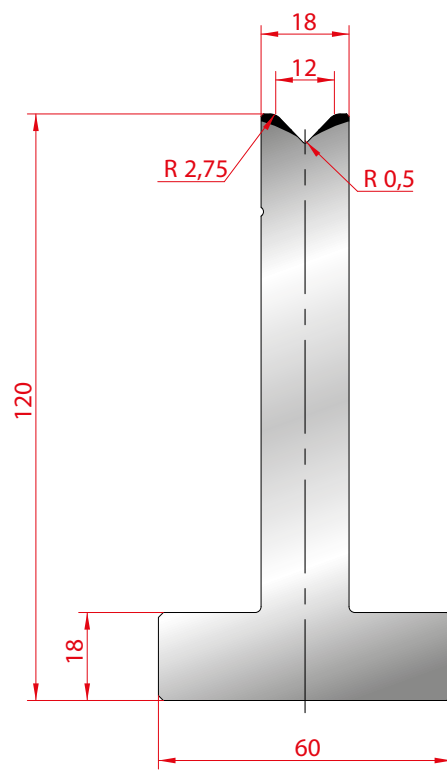
Max T/m = 100



C45

46275

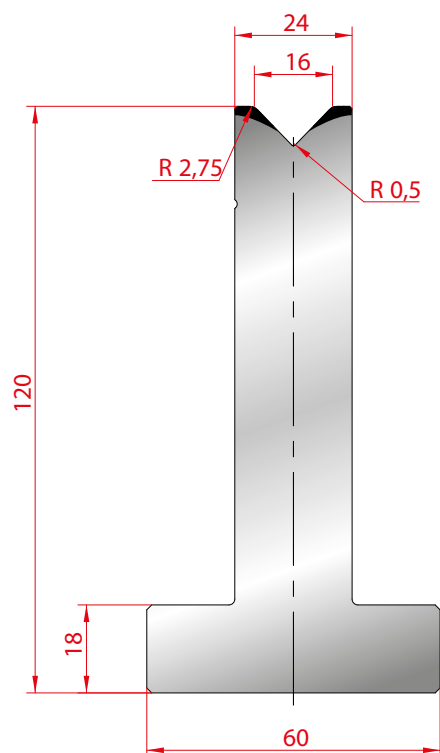
Max T/m = 100



C45

45825

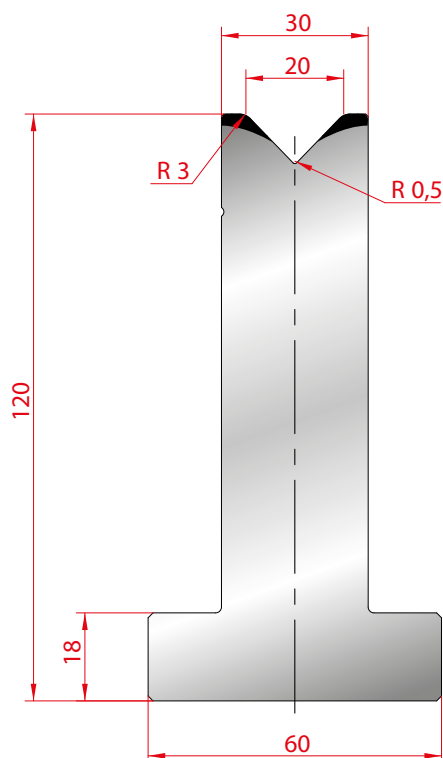
Max T/m = 100



C45

45840

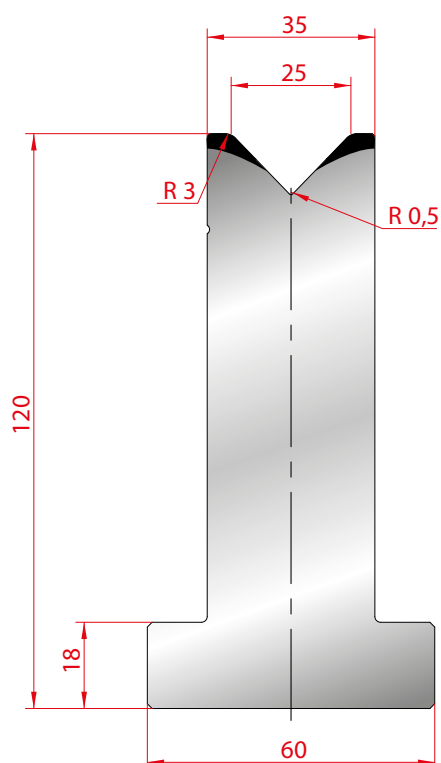
Max T/m = 100



C45

45855

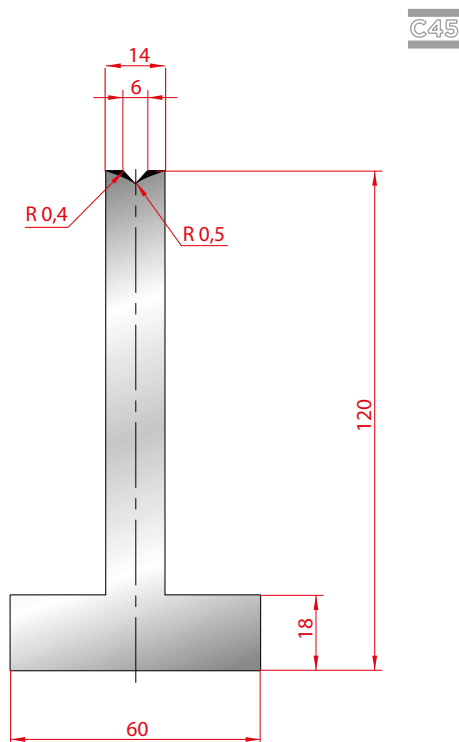
Max T/m = 100



C45

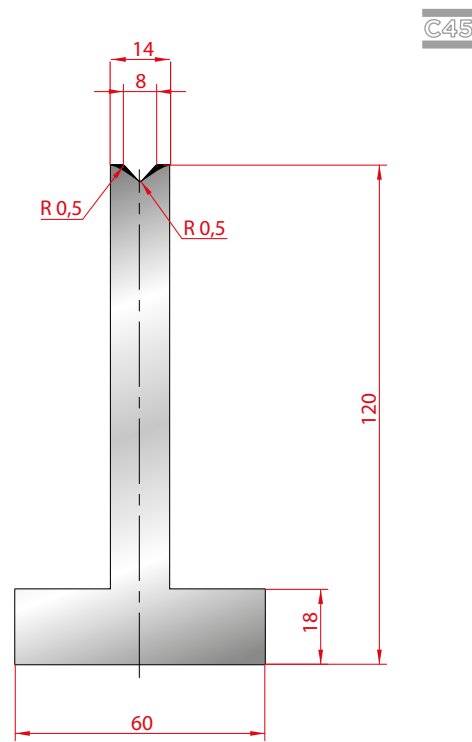
45870

Max T/m = 100



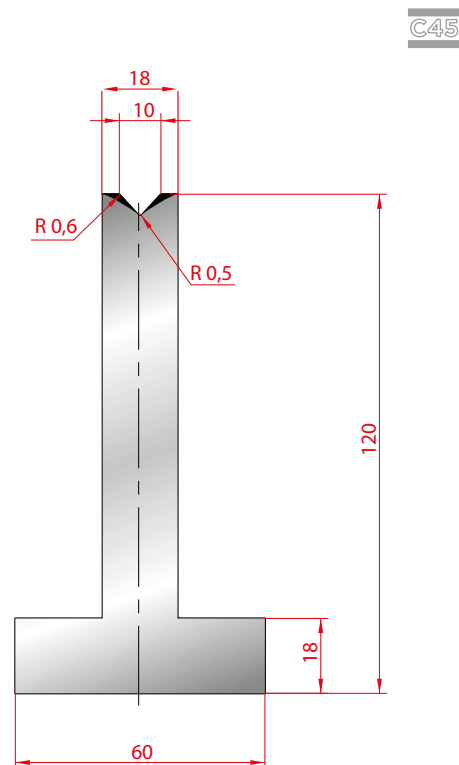
46395

Max T/m = 100



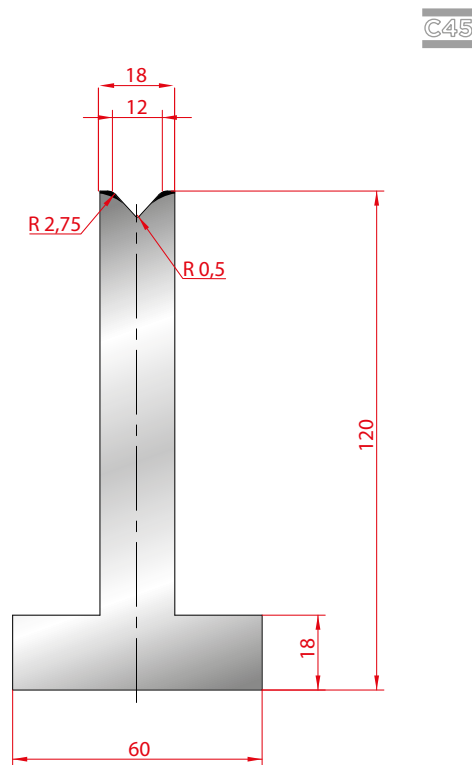
46410

Max T/m = 100



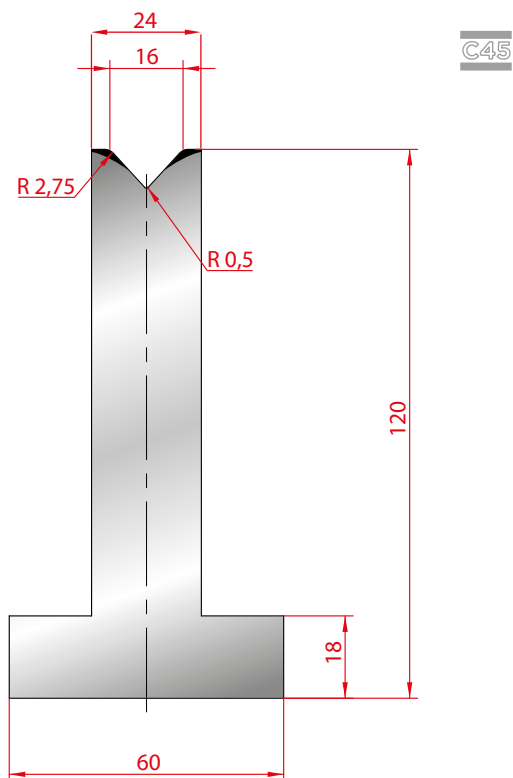
46425

Max T/m = 100



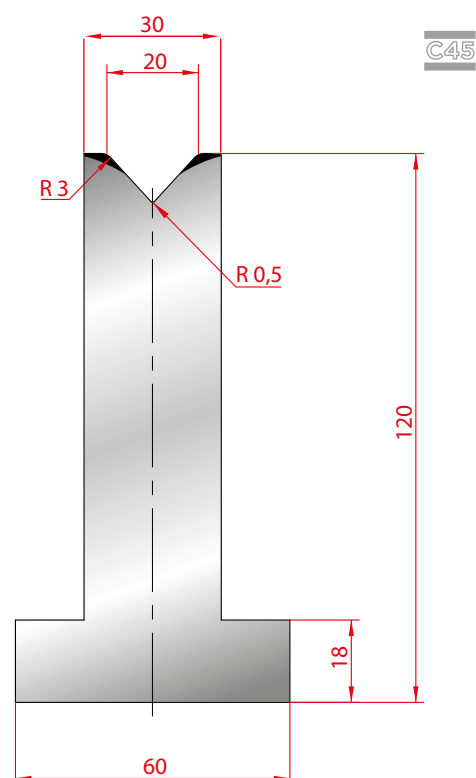
46440

Max T/m = 100



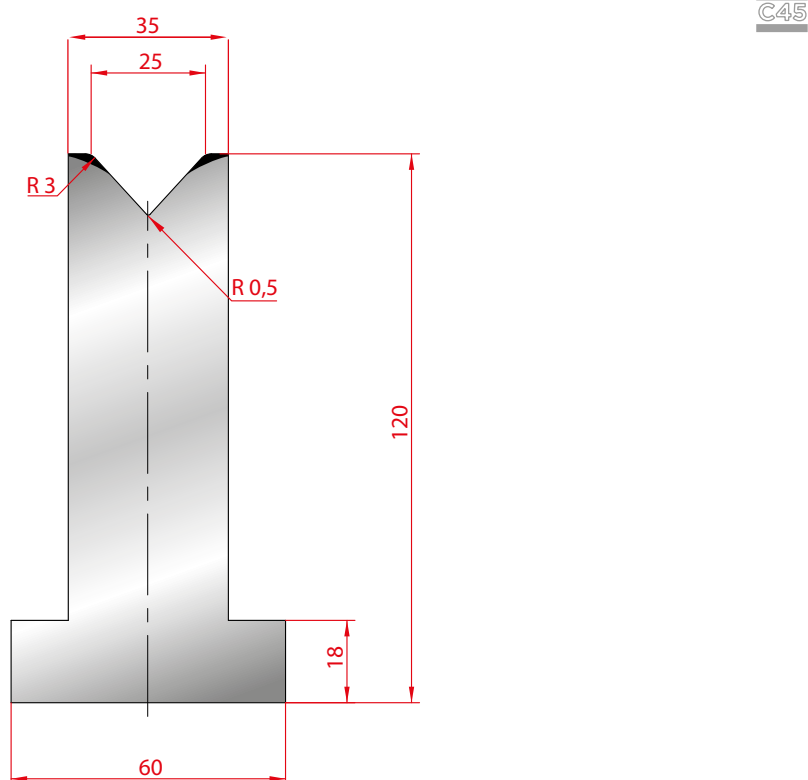
46455

Max T/m = 100



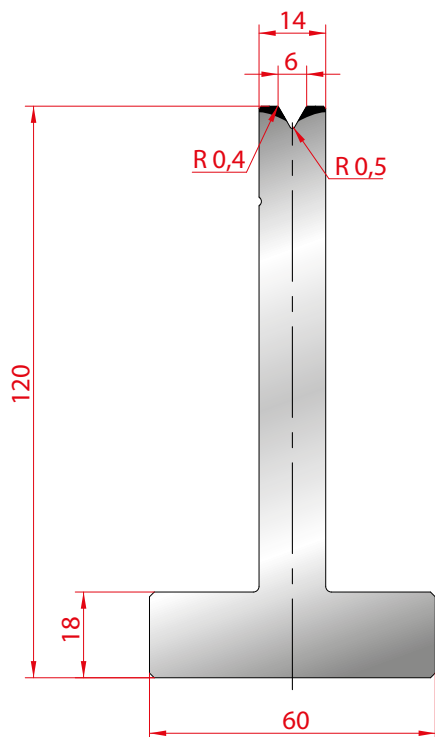
46470

Max T/m = 100



46485

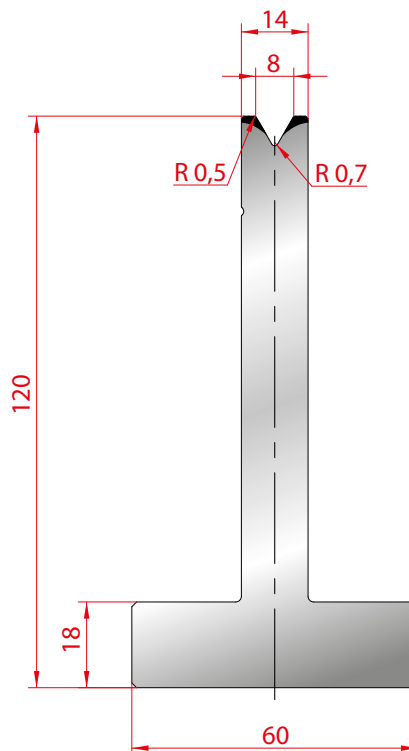
Max T/m = 100



C45

45885

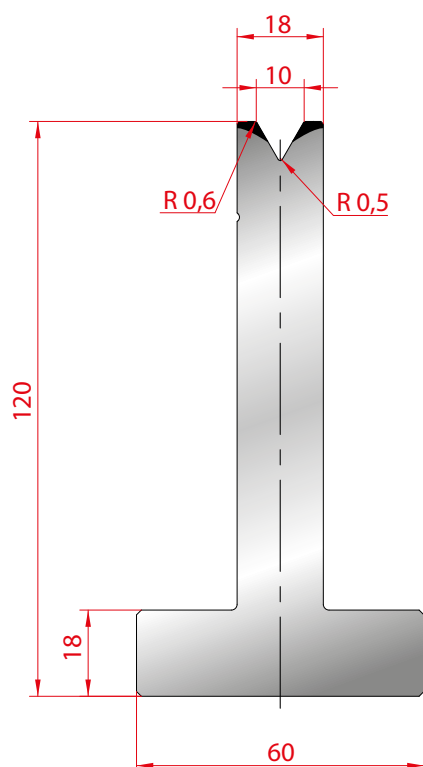
Max T/m = 60



C45

45900

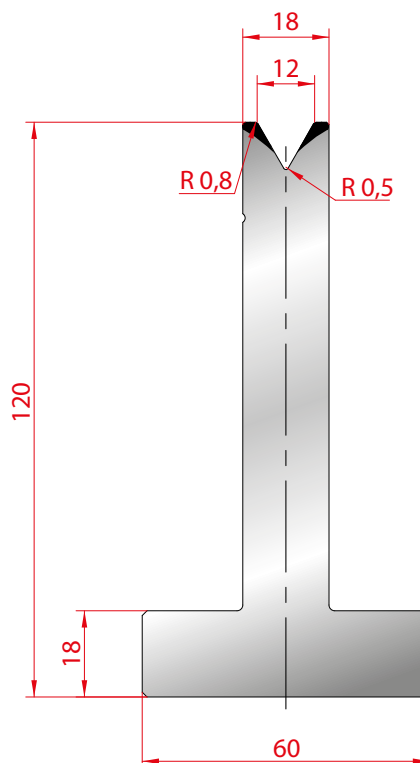
Max T/m = 60



C45

45915

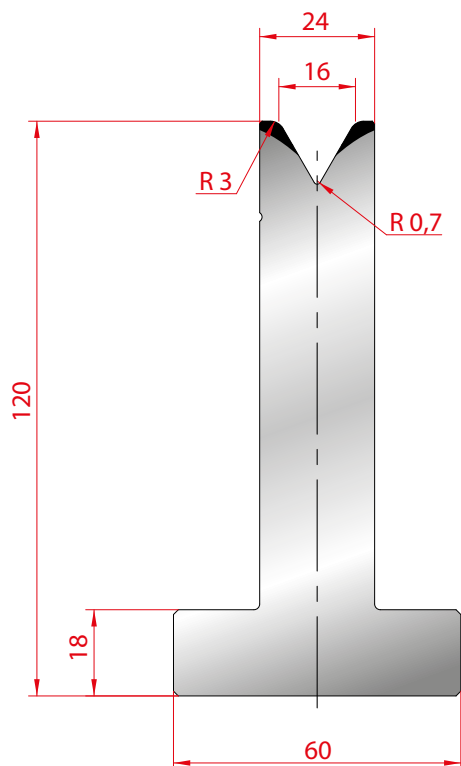
Max T/m = 60



C45

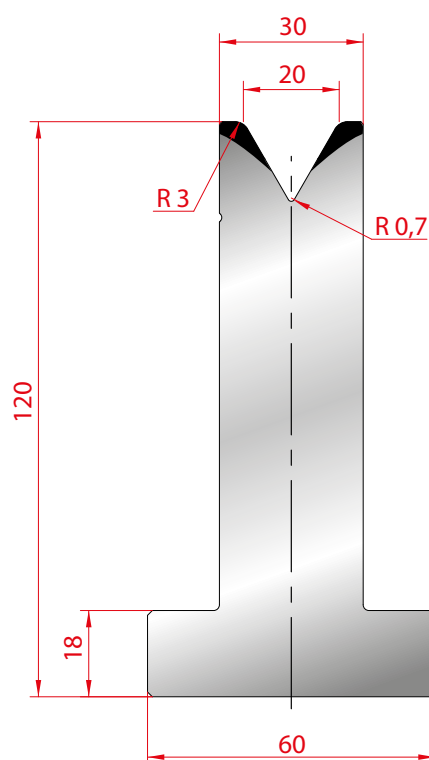
45930

Max T/m = 75



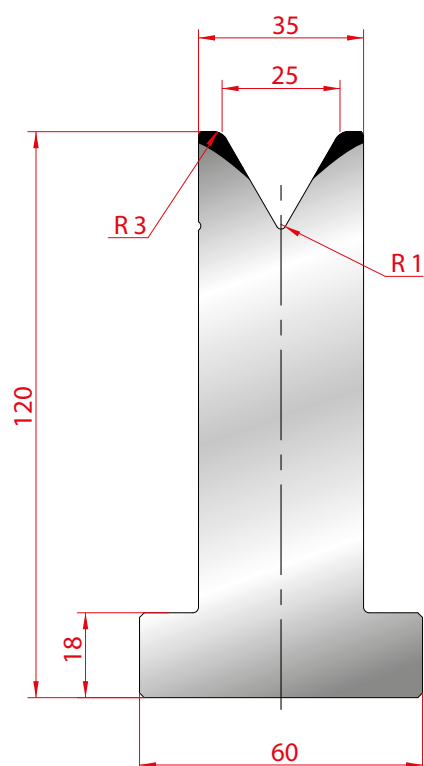
45945

Max T/m = 70



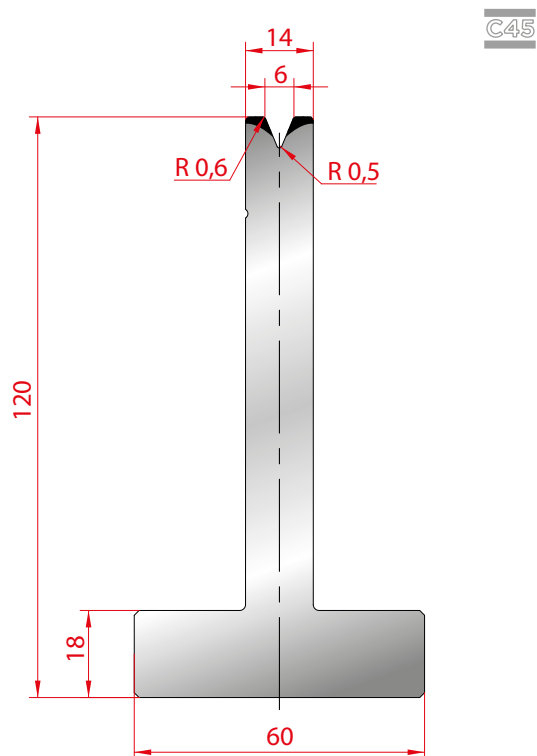
45960

Max T/m = 65



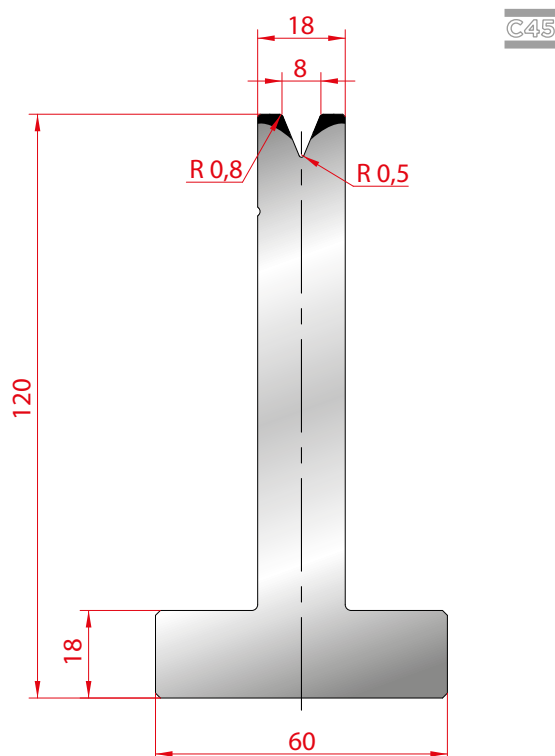
45975

Max T/m = 60



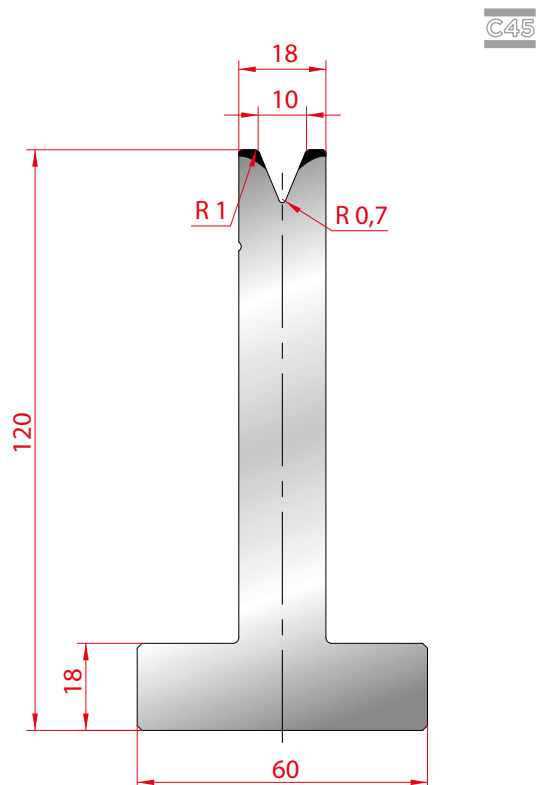
45990

Max T/m = 50



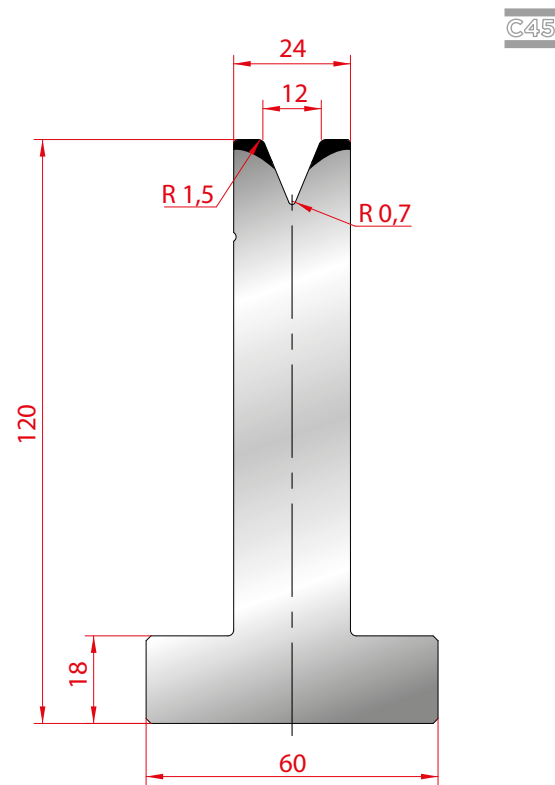
46005

Max T/m = 50



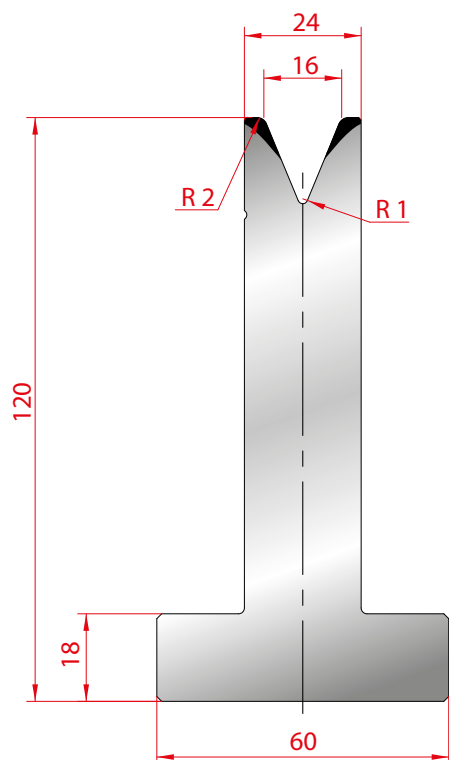
46020

Max T/m = 50



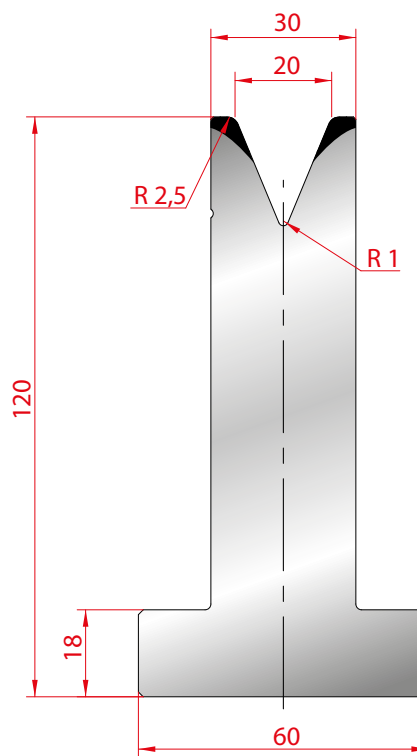
46035

Max T/m = 50



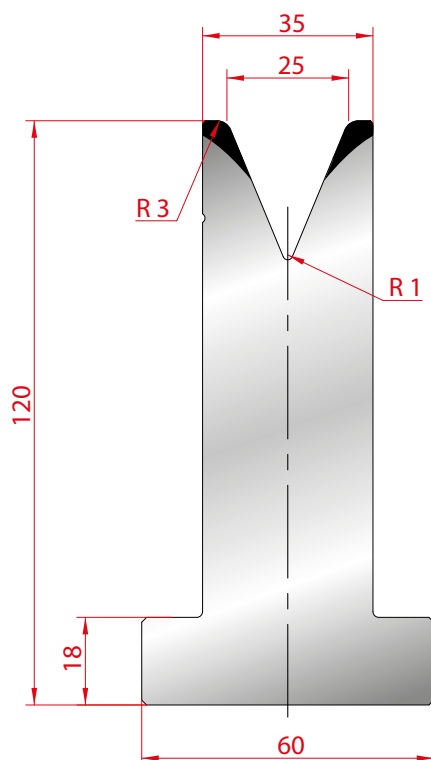
46050

Max T/m = 50



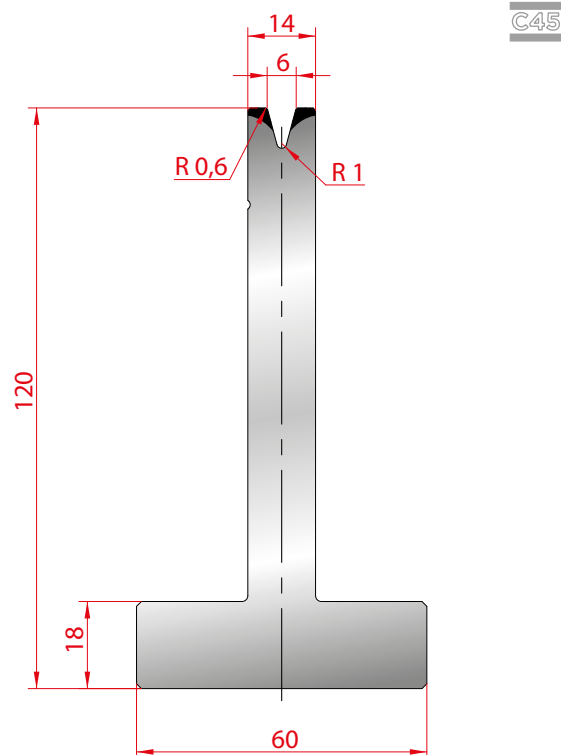
46065

Max T/m = 50



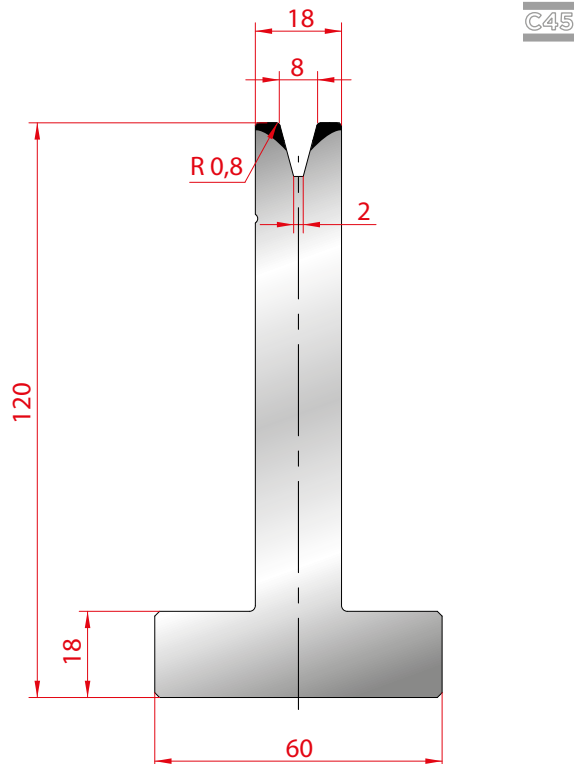
46080

Max T/m = 50



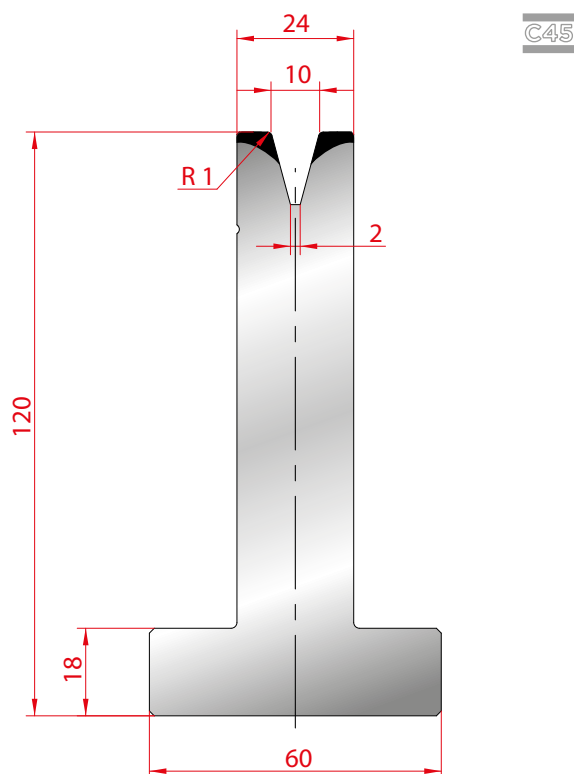
46095

Max T/m = 35



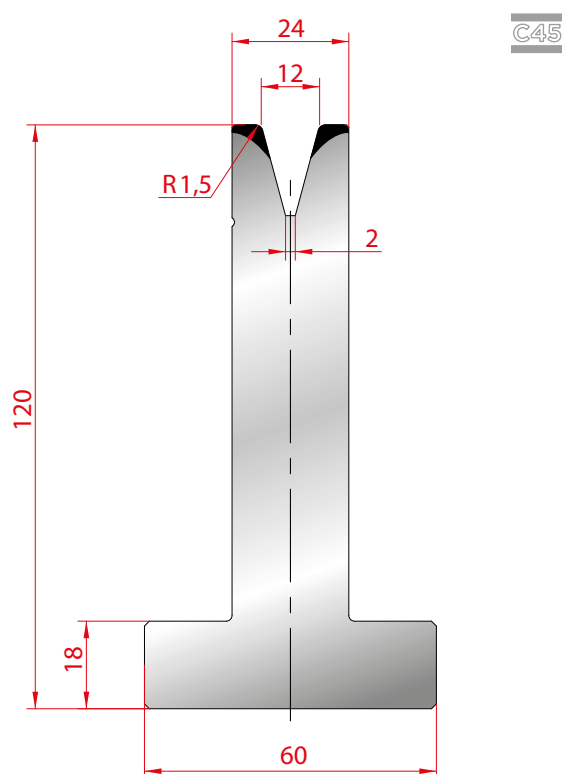
46110

Max T/m = 40



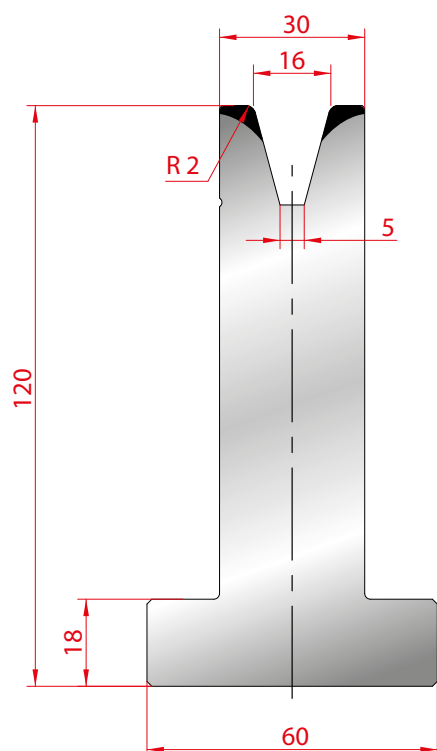
46125

Max T/m = 50

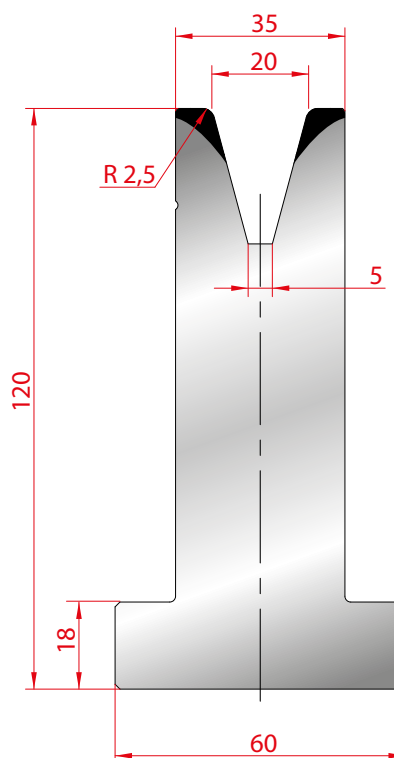


46140

Max T/m = 50



C45



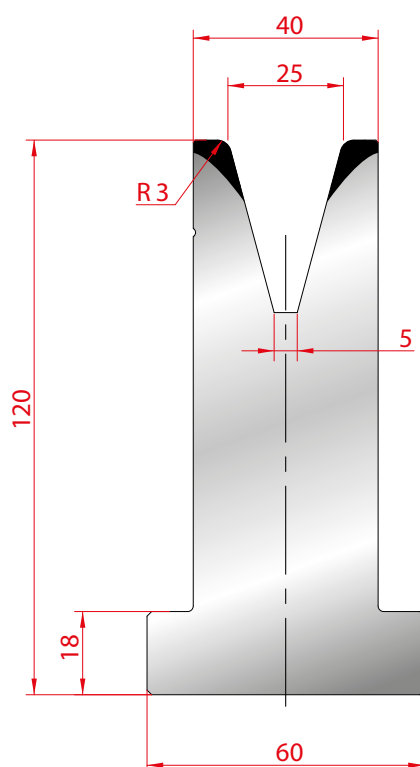
C45

46155

Max T/m = 50

46170

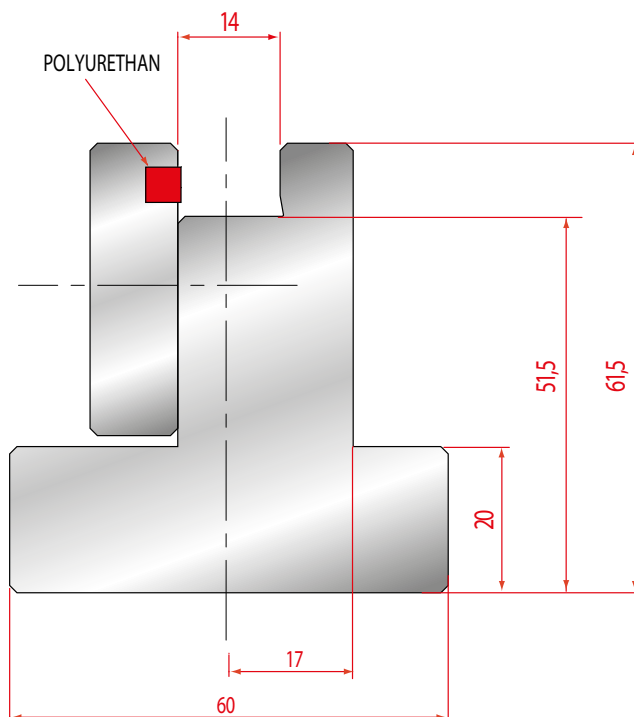
Max T/m = 55



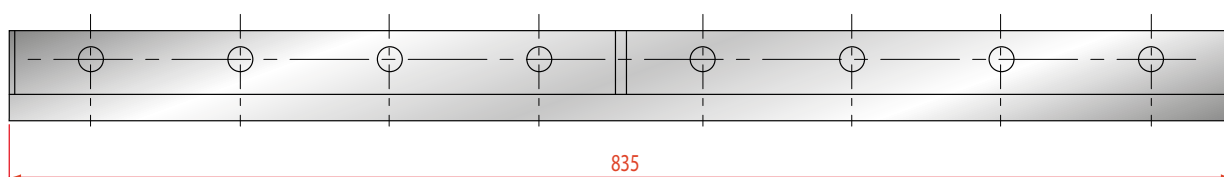
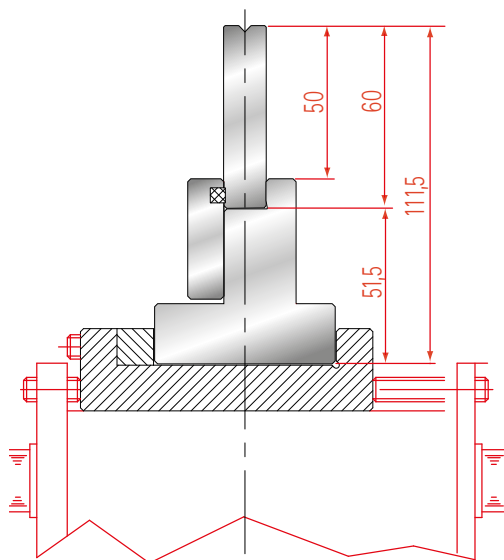
C45

46185

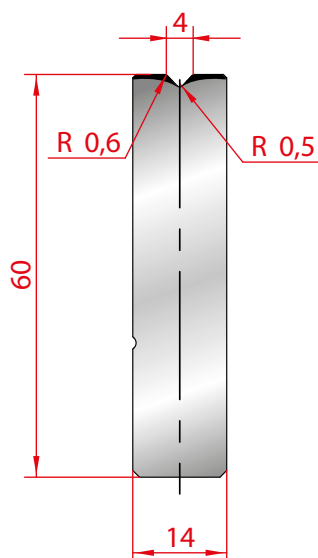
Max T/m = 50



Esempio di montaggio
Assembly example



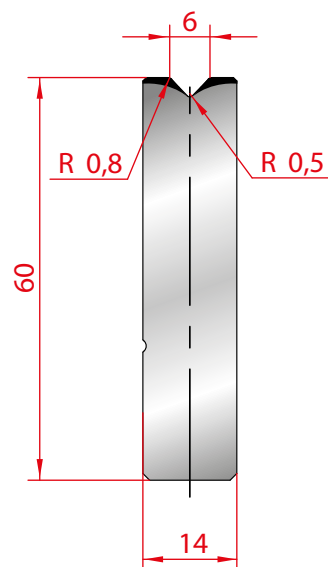
C45



47370

Max T/m = 100

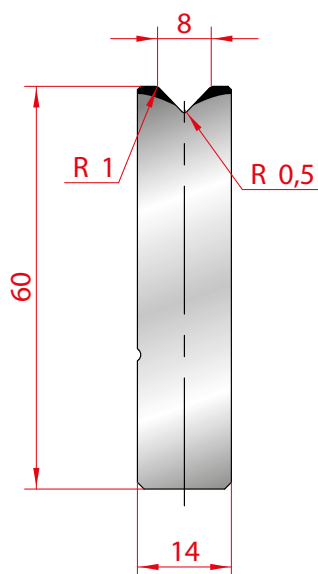
C45



47385

Max T/m = 100

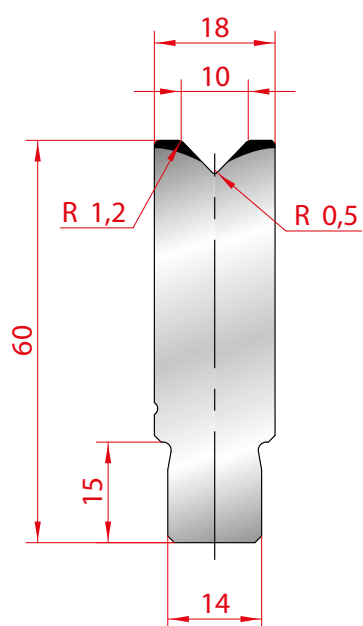
C45



47400

Max T/m = 100

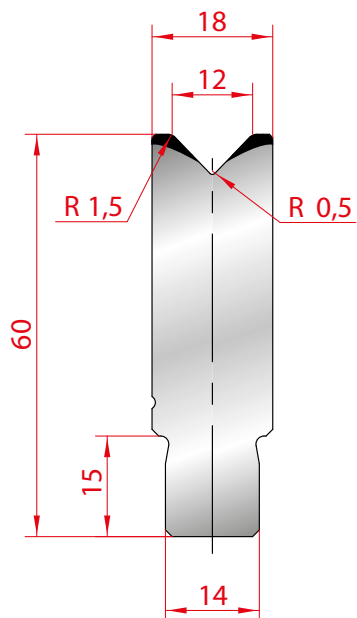
C45



47415

Max T/m = 100

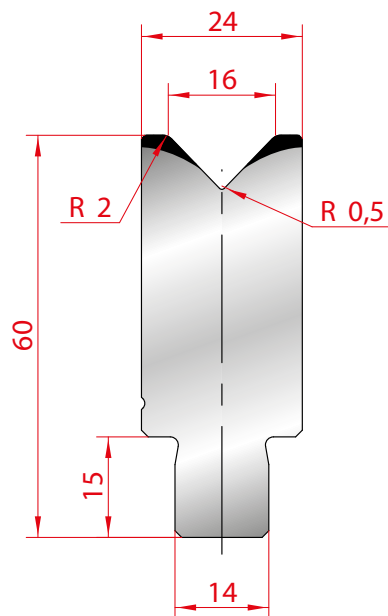
C45



47430

Max T/m = 100

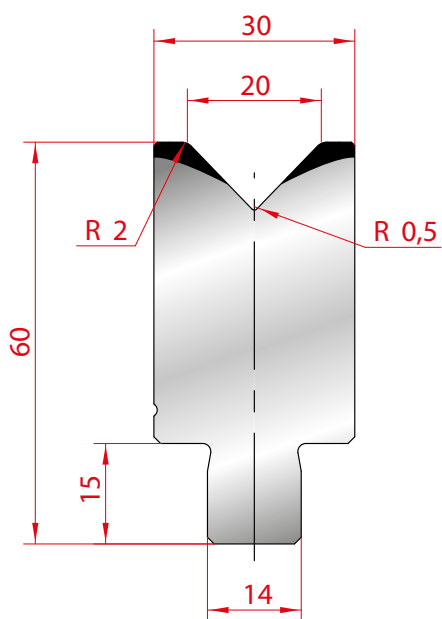
C45



47445

Max T/m = 100

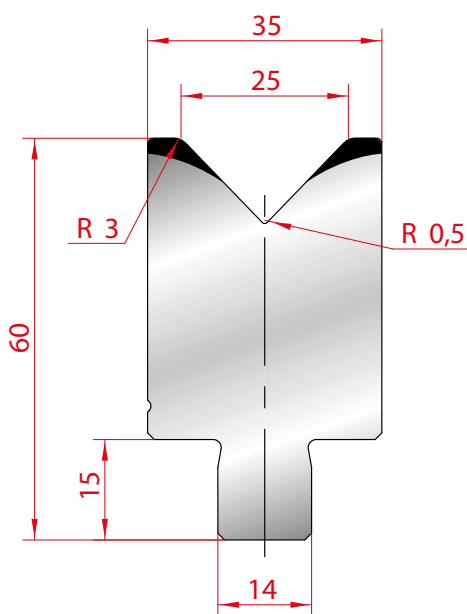
C45



47460

Max T/m = 100

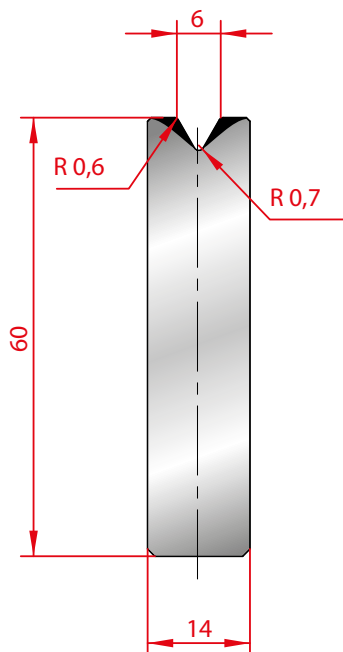
C45



47475

Max T/m = 100

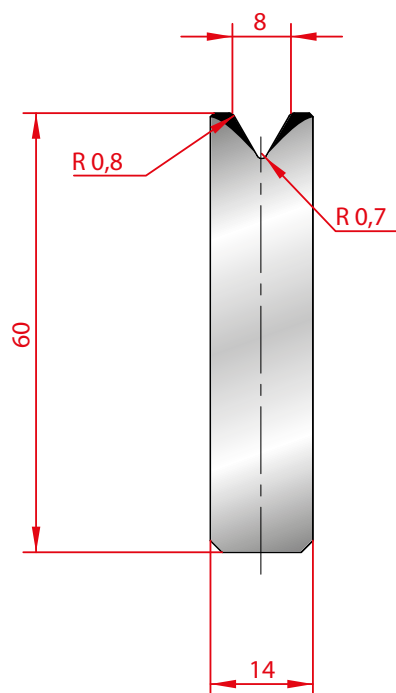
C45



47895

Max T/m = 100

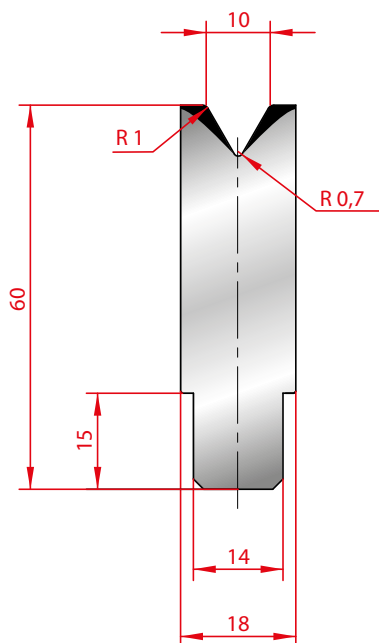
C45



47910

Max T/m = 100

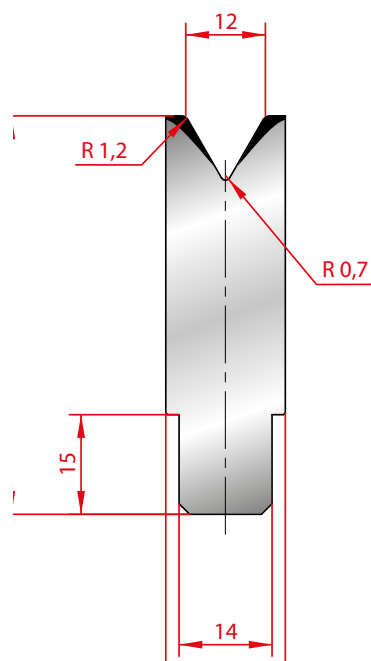
C45



47925

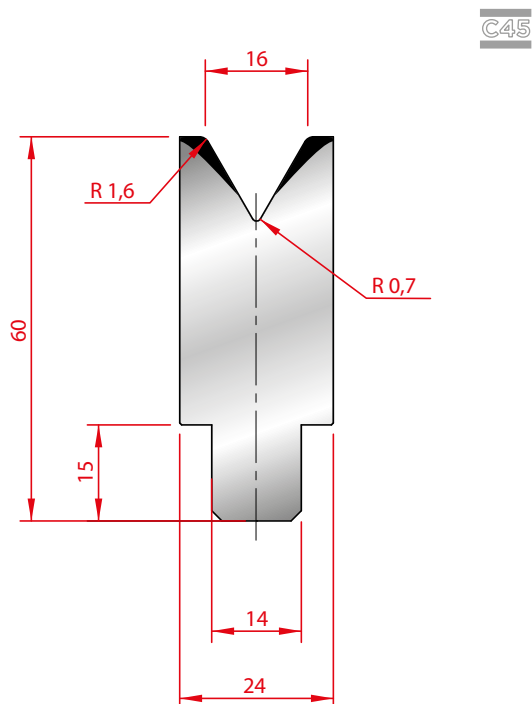
Max T/m = 100

C45



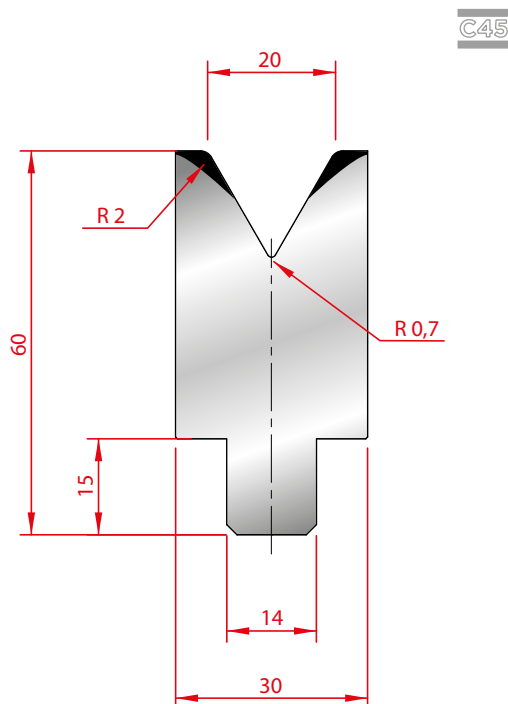
47940

Max T/m = 100



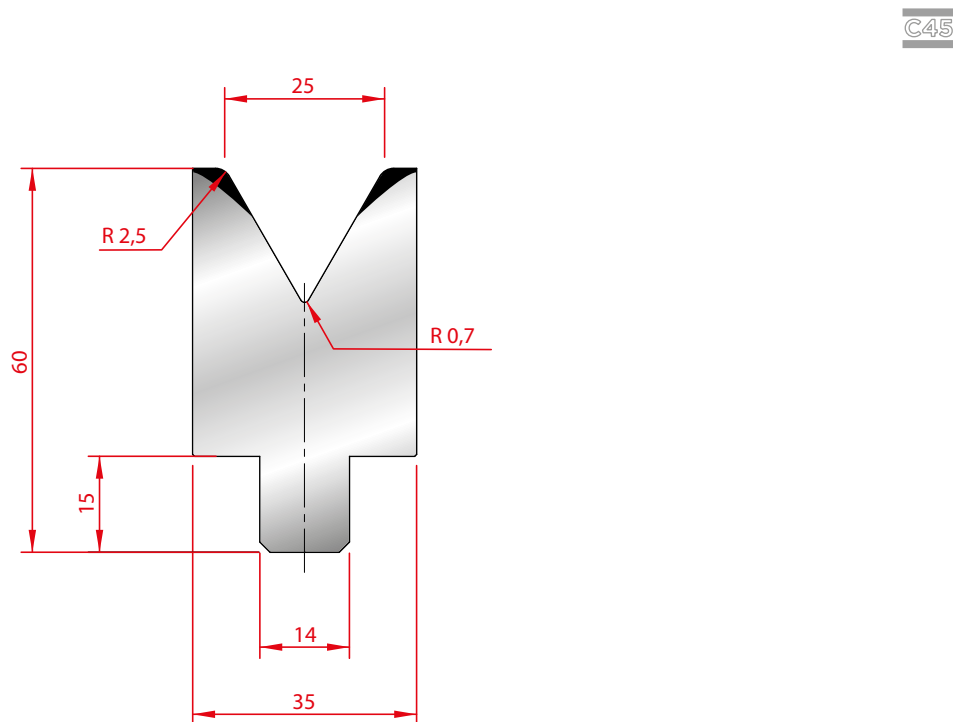
47955

Max T/m = 100



47970

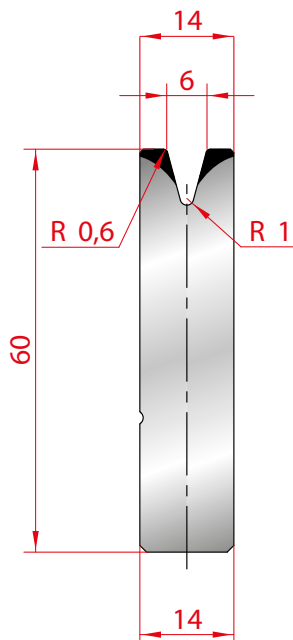
Max T/m = 100



47985

Max T/m = 100

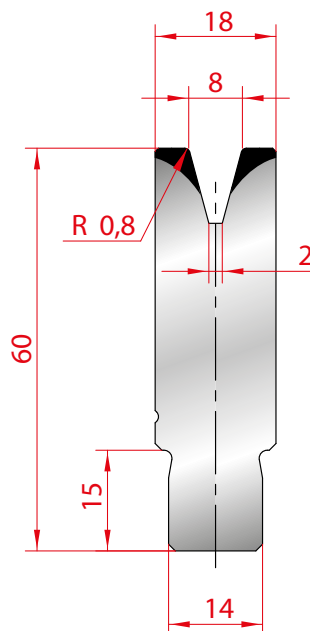
C45



47490

Max T/m = 35

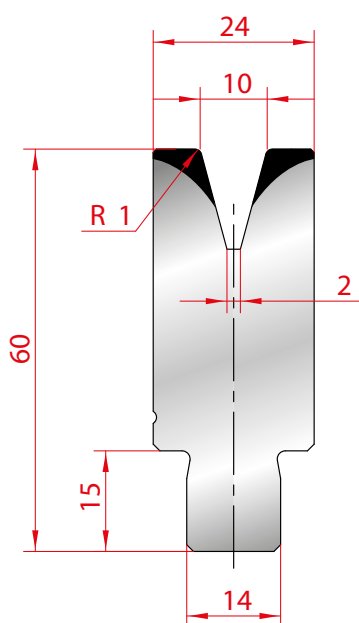
C45



47505

Max T/m = 40

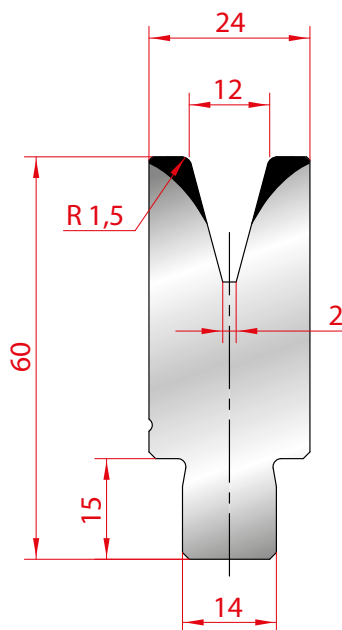
C45



47520

Max T/m = 50

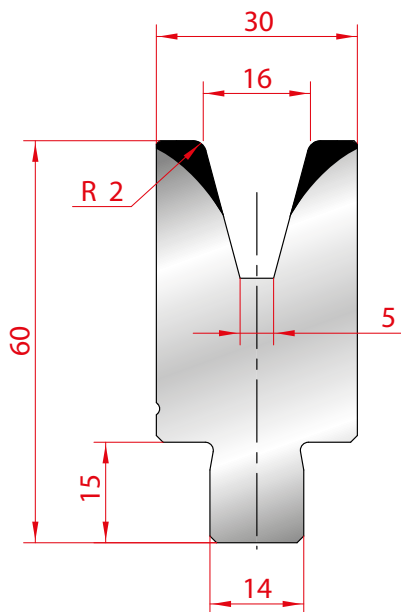
C45



47535

Max T/m = 50

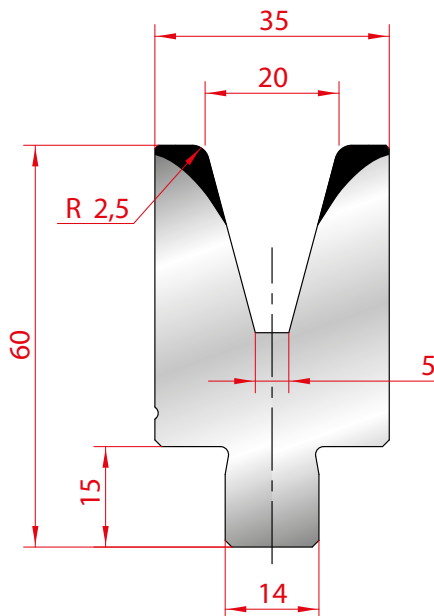
C45



47550

Max T/m = 50

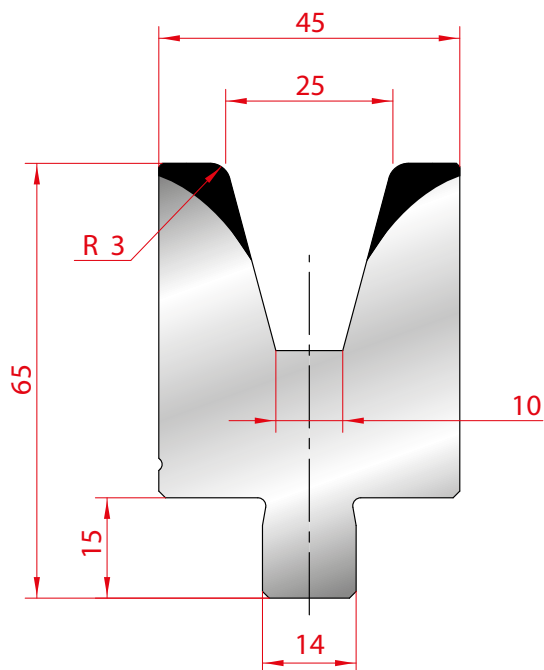
C45



47565

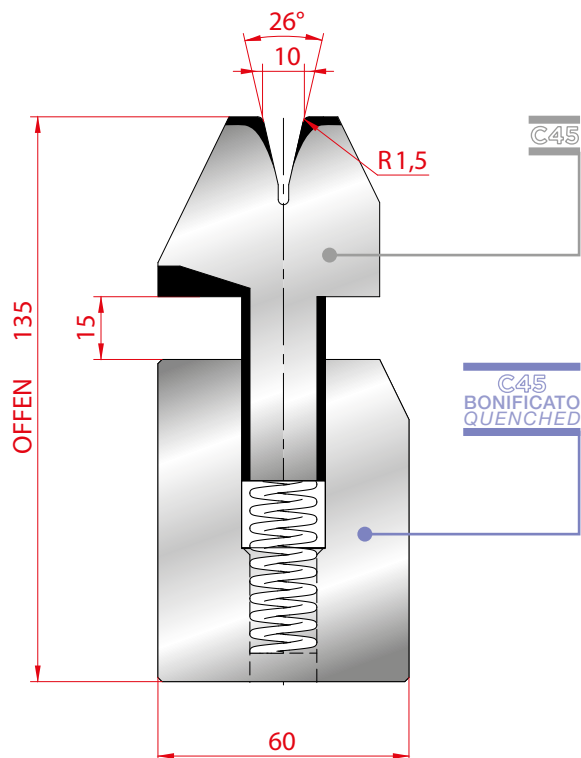
Max T/m = 55

C45



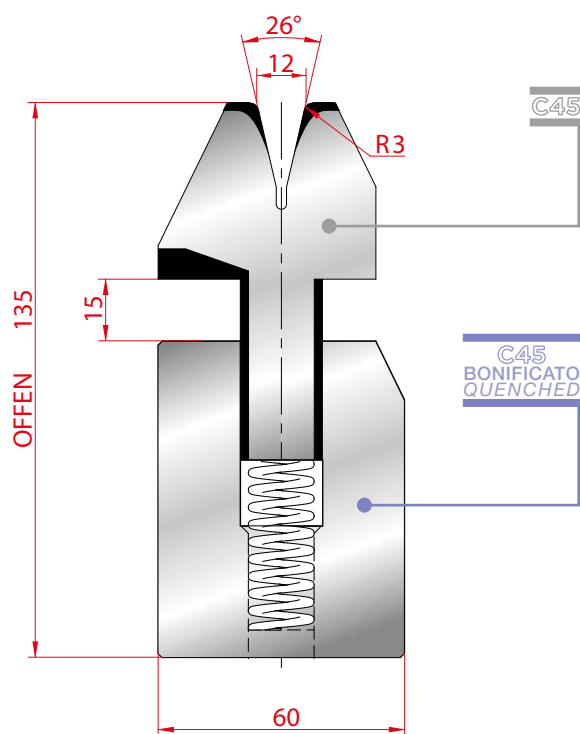
47580

Max T/m = 55



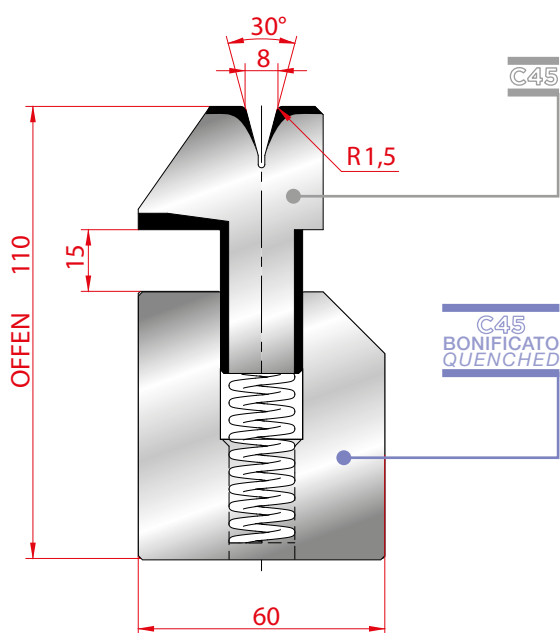
Spessore	= da 15/10 a 25/10
Sheet metal thickness	= from 1,5 to 2,5 mm
Max T/m	= 100

45570



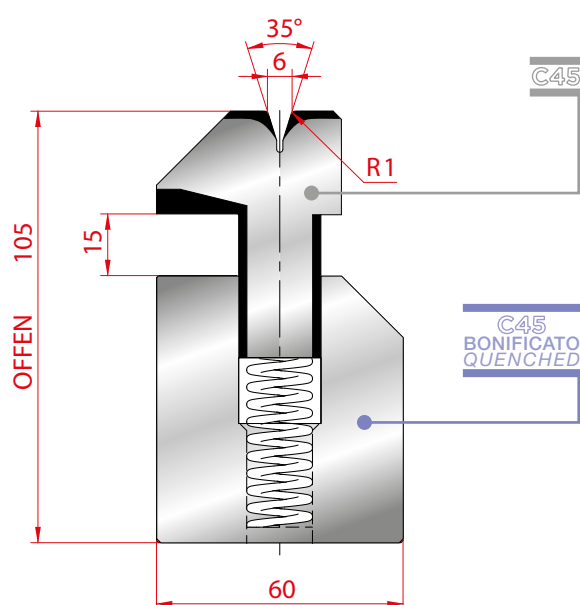
Spessore	= da 15/10 a 30/10
Sheet metal thickness	= from 1,5 to 3,0 mm
Max T/m	= 100

45600



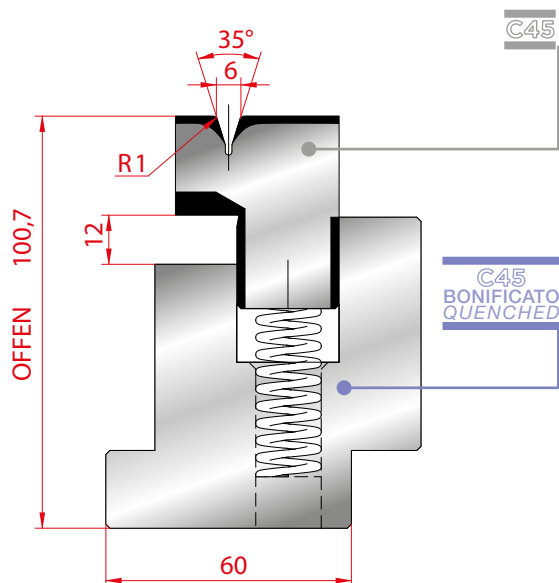
Spessore	= max 15/10
Sheet metal thickness	= max 1,5 mm
Max T/m	= 80

45615



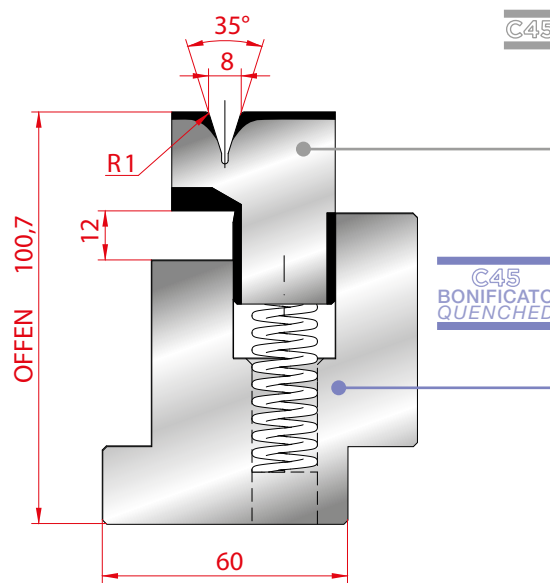
Spessore	= max 10/10
Sheet metal thickness	= max 1,0 mm
Max T/m	= 80

45585



Spessore	=	max 10/10
Sheet metal thickness	=	max 1,0 mm
Max T/m	=	60

45555/6



Spessore	=	max 12/10
Sheet metal thickness	=	max 1,2 mm
Max T/m	=	60

45555/8

TABELLA DI PIEGATURA BENDING CHART

Ferro normale R.45 Kg/mm^q
Mild Steel R.45 Kg/mm^q

S mm	A mm	Ton /M	2xS	Ton /M
0,6	3	9	1,2	23
0,8	3	12	1,6	32
1	3,5	15	2	40
1,25	3,5	17	2,5	50
1,5	4,6	22	3	63
2	5,5	30	4	80
2,5	6,5	55	5	90
3	8	70	6	100

Inox R.70 Kg/mm^q
Stainless Steel R.70 Kg/mm^q

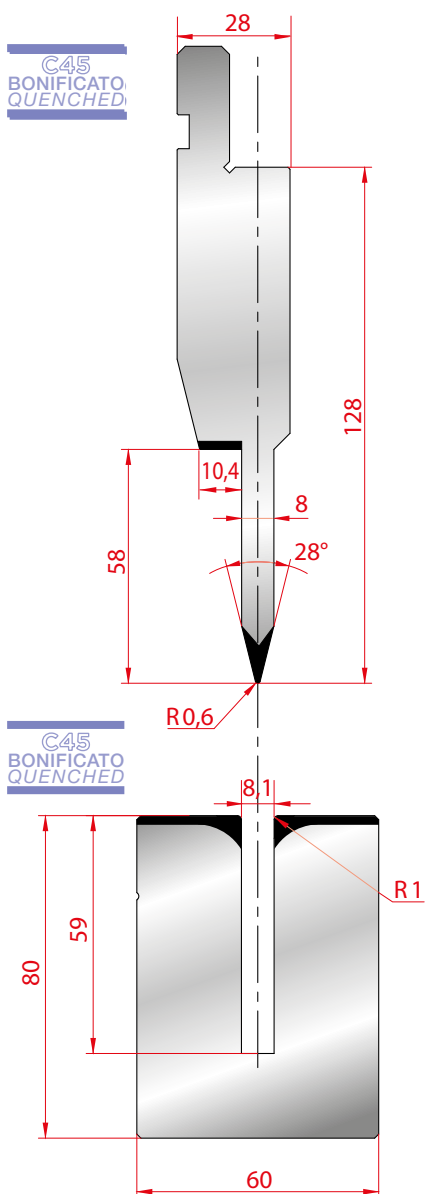
S mm	A mm	Ton /M	2xS	Ton /M
0,6	3	15	1,2	35
0,8	3	20	1,6	50
1	3,5	25	2	60
1,25	3,5	26	2,5	80
1,5	4,6	38	3	95
2	5,5	50	4	130

835-415 Frazionato (Bonificato)
Segmented (Quenched)

17925

Max T/m = 80

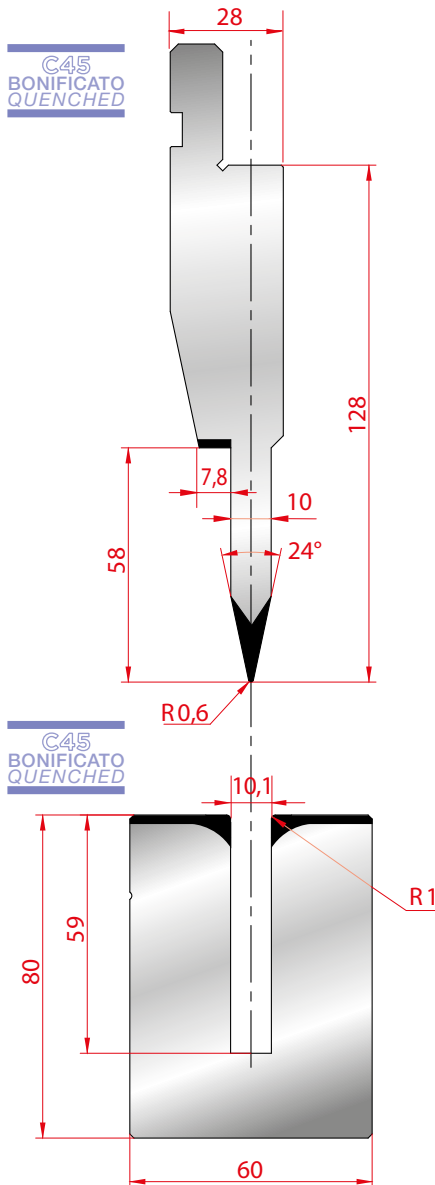
spessore max di lamiera (ferro normale) 1,2 mm
max sheet metal thickness mild steel 1,2 mm



17940

Max T/m = 80

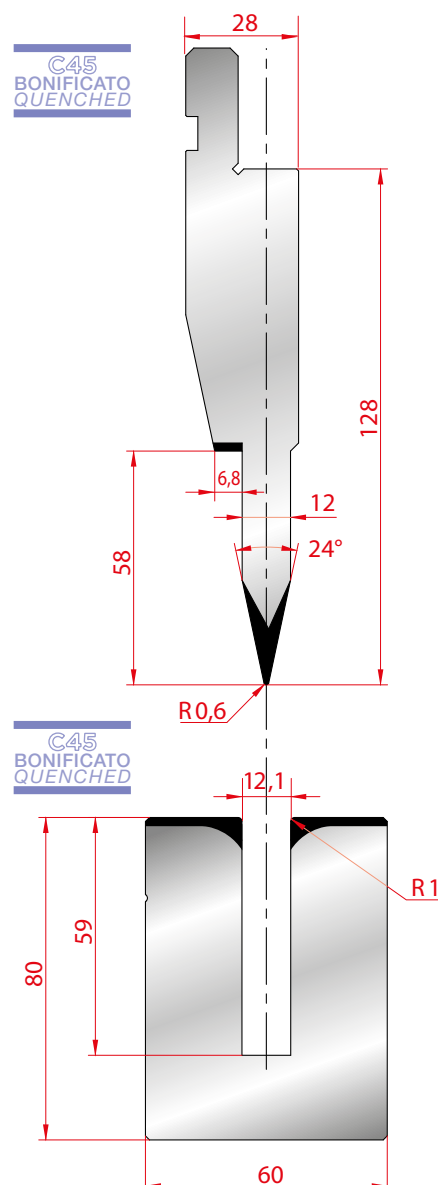
spessore max di lamiera (ferro normale) 1,5 mm
max sheet metal thickness mild steel 1,5 mm



17955

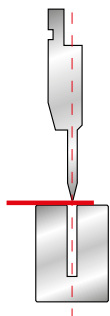
Max T/m = 80

spessore max di lamiera (ferro normale) 1,5 mm
max sheet metal thickness mild steel 1,5 mm



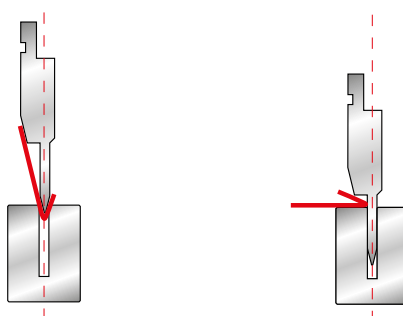
47640

Max T/m = 50



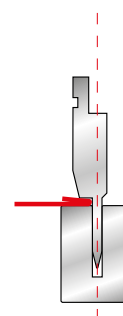
47655

Max T/m = 50



47670

Max T/m = 50



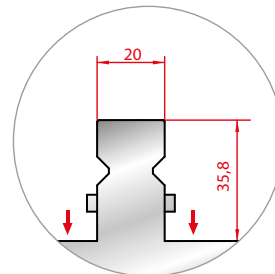
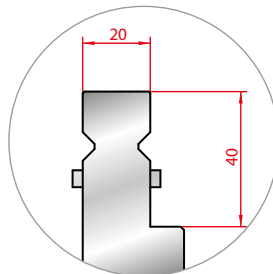
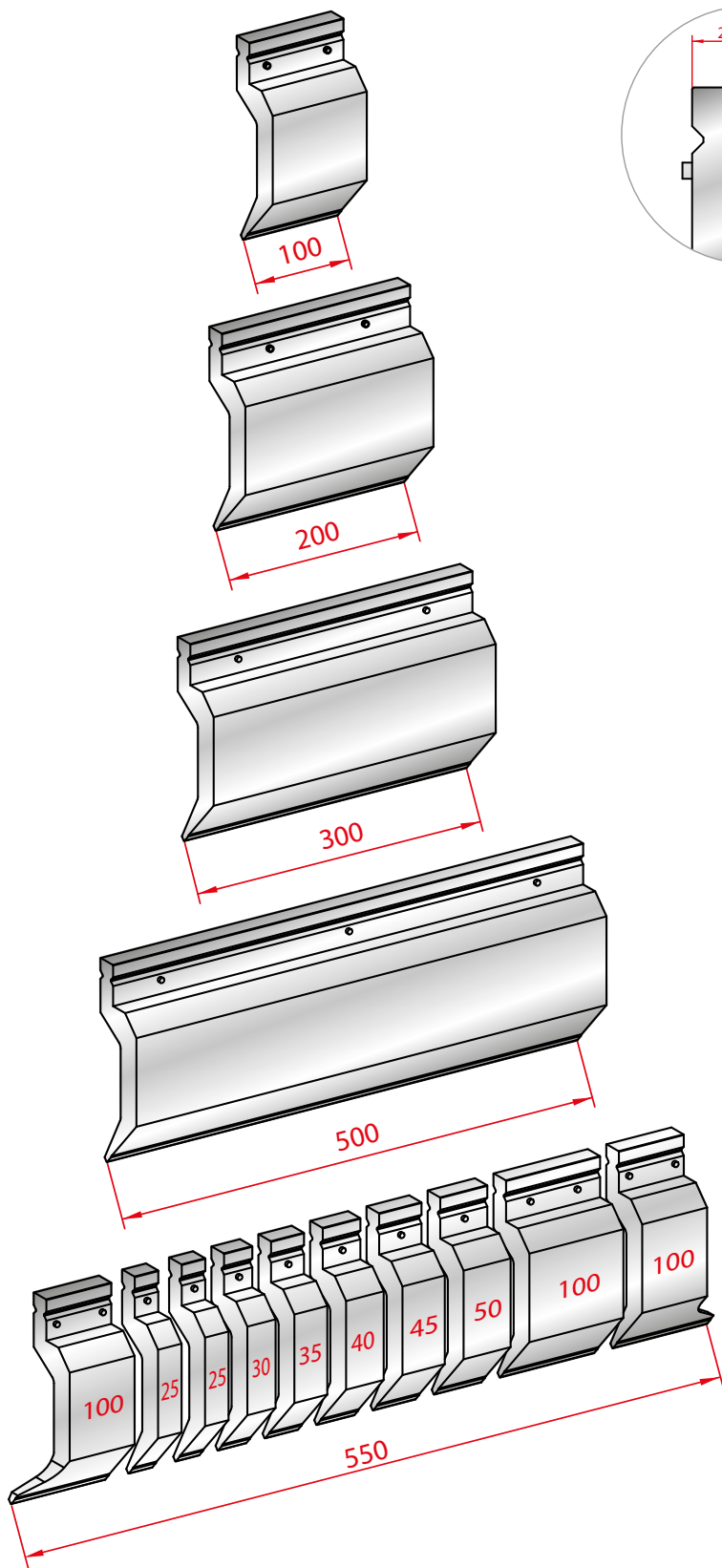




TRUMPF

WILA-TRUMPF STYLE

FRAZIONATURA STANDARD STANDARD SEGMENTATION



SAFETY BUTTON

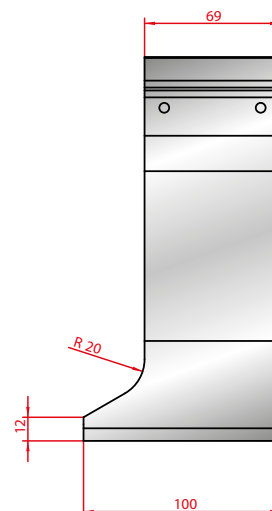
su richiesta quando
il peso dell'utensile
è inferiore a 13,5 Kg.

SAFETY BUTTON

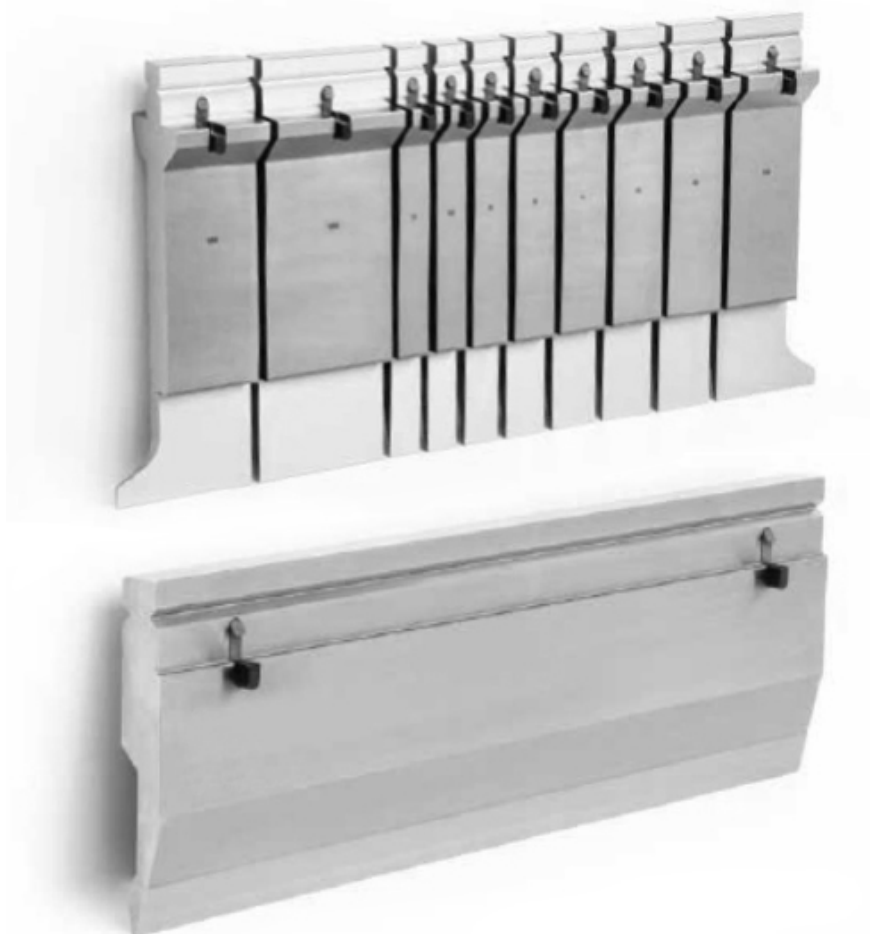
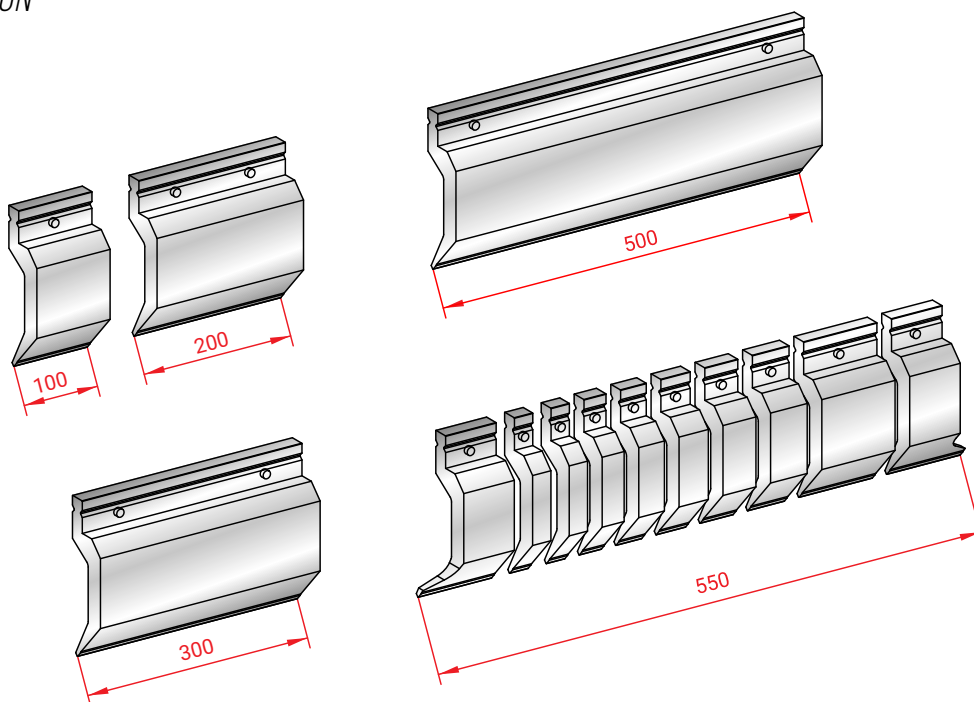
on demand when
the weight of the tool
is less than 13,5 Kg.



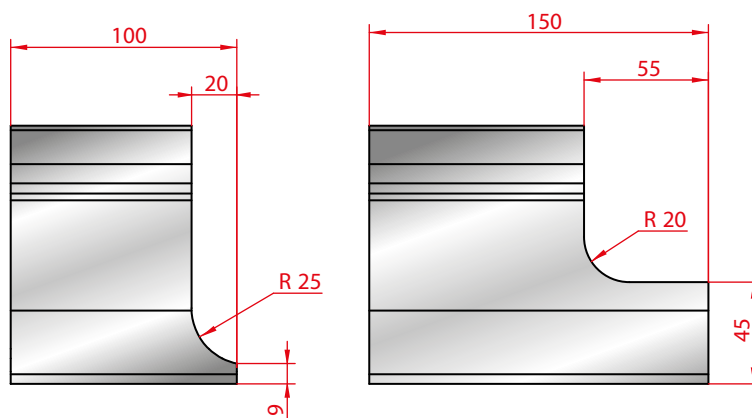
FRESATURA A SCARPETTA MILLED HORN



PULSANTI
SAFETY BUTTON



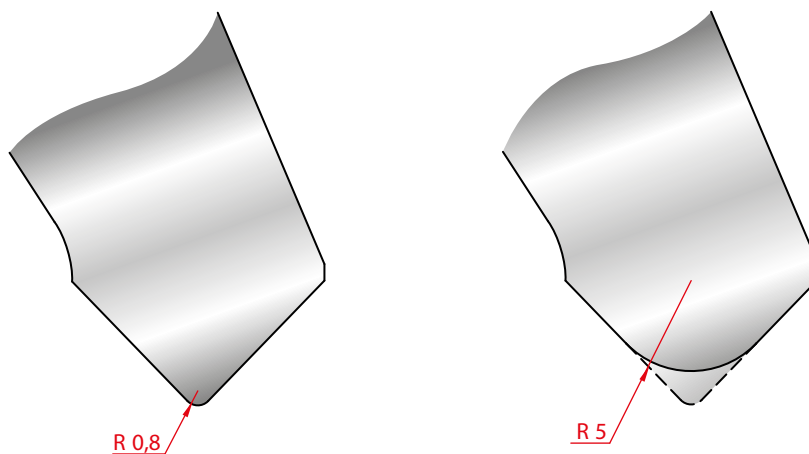
SCARPETTE SPECIALI
SPECIAL HORNS



TAGLI A RICHIESTA
SPECIAL SEGMENTATION



MODIFICA RAGGIO
RADIUS MODIFICATION

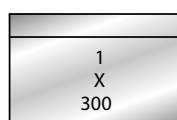
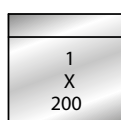


PER PUNZONI
FOR PUNCHES

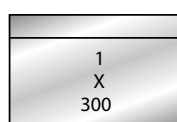
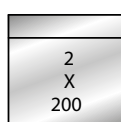
18495 - 18510 - 18525 - 18540
18555 - 18570 - 19425 - 19530
19620 - 19695 - 19710 - 19740
19755 - 19770



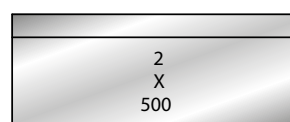
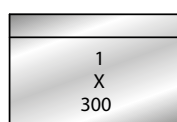
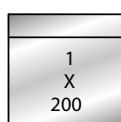
550



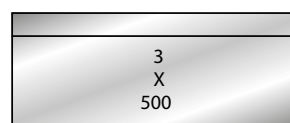
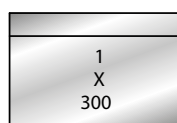
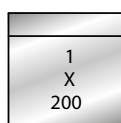
1050



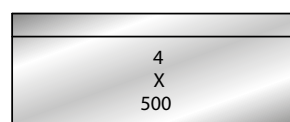
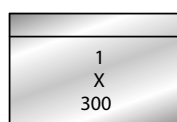
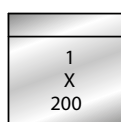
1250



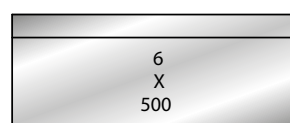
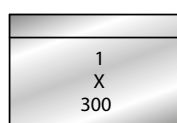
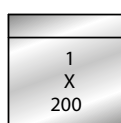
2050



2550



3050



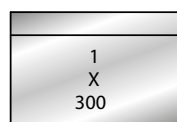
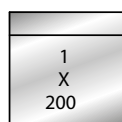
4050

PER PUNZONI
FOR PUNCHES

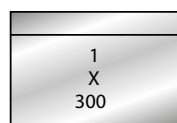
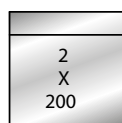
19410 - 19545 - 19785 - 19800



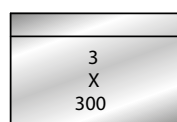
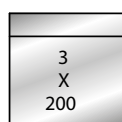
550



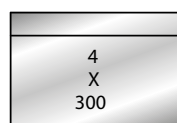
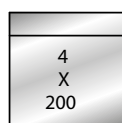
1050



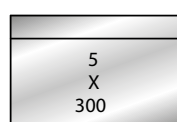
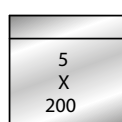
1250



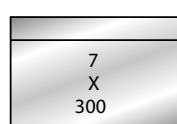
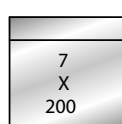
2050



2550



3050



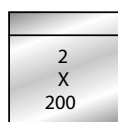
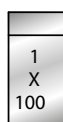
4050

PER PUNZONI
FOR PUNCHES

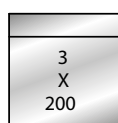
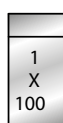
19725



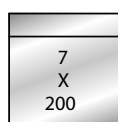
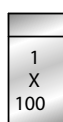
550



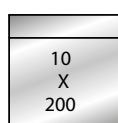
1050



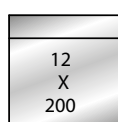
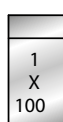
1250



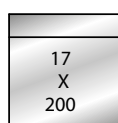
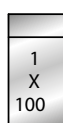
2050



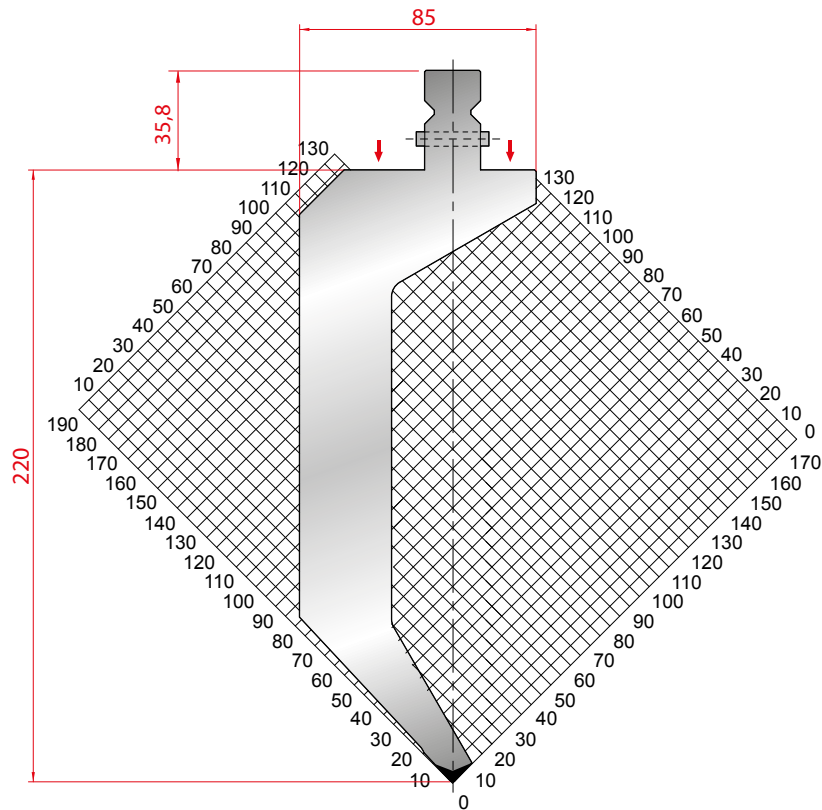
2550



3050



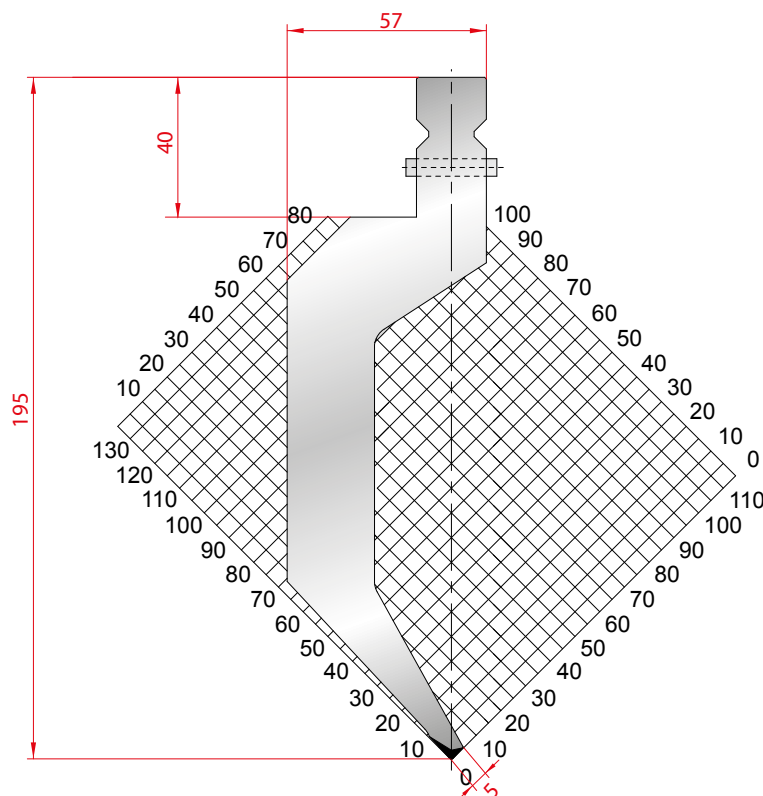
4050



42CrMo4
BONIFICATO
QUENCHED

α	= 86°
R	= 1
H	= 220.00
Max T/m	= 85

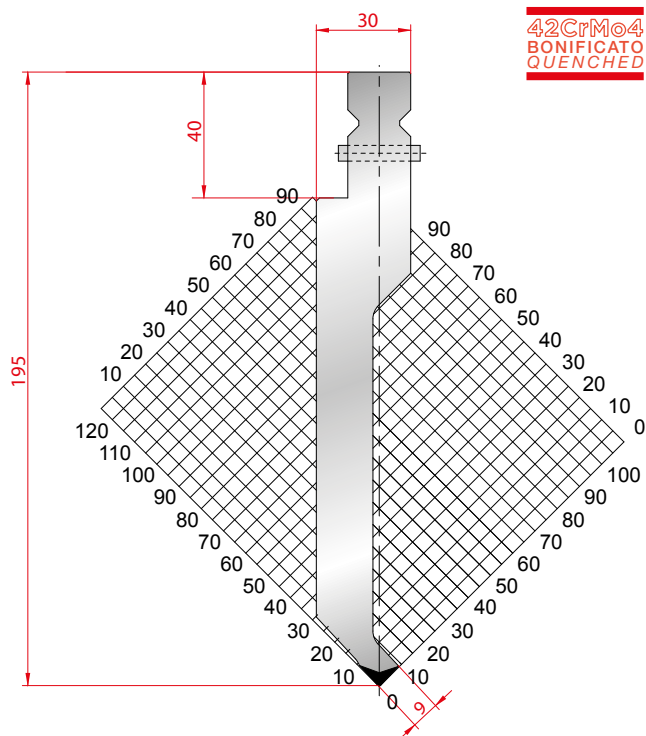
19410



42CrMo4
BONIFICATO
QUENCHED

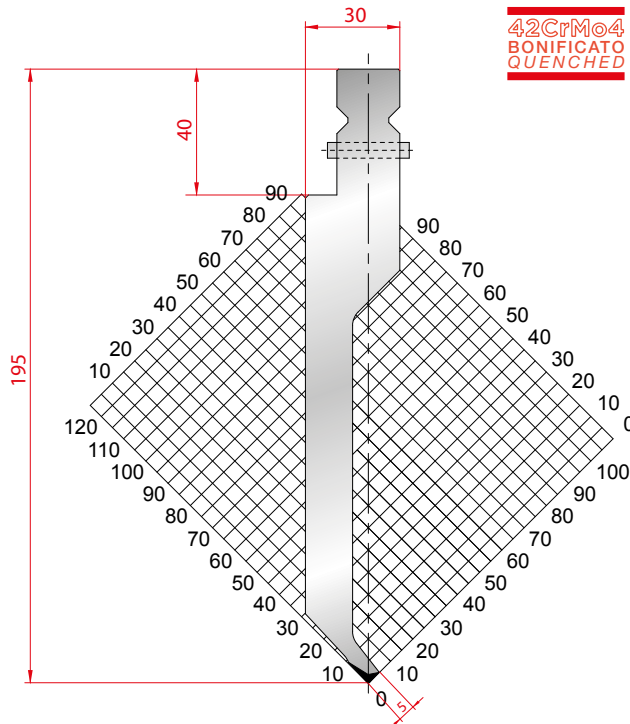
α	= 86°
R	= 0.8
H	= 195.00
Max T/m	= 40

18495



$\alpha = 86^\circ$
$R = 0.8$
$H = 195.00$
$\text{Max T/m} = 100$

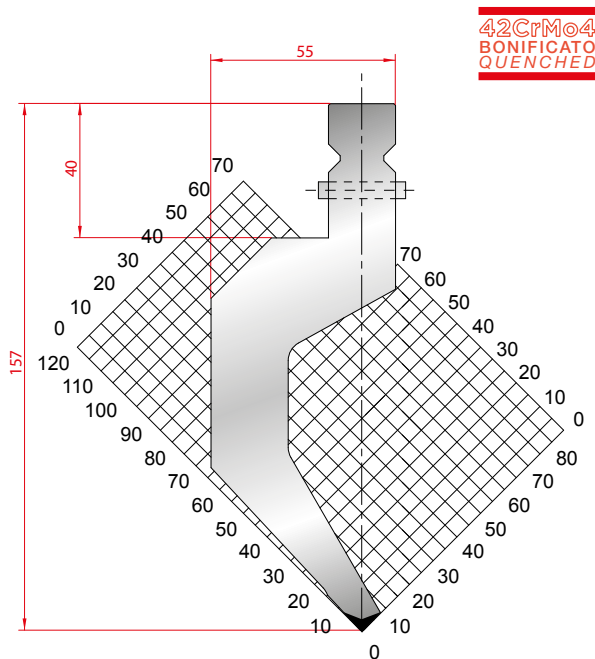
18525



$\alpha = 86^\circ$
$R = 0.6$
$H = 195.00$
$\text{Max T/m} = 30$

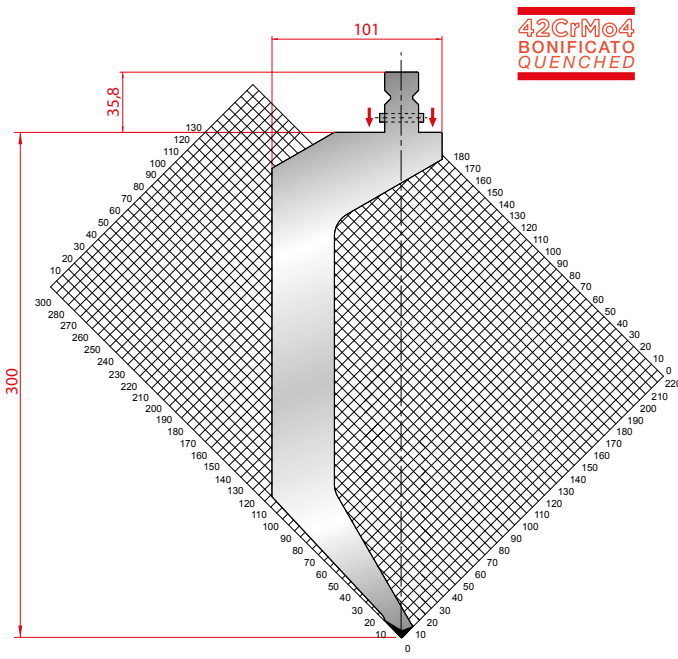
18510





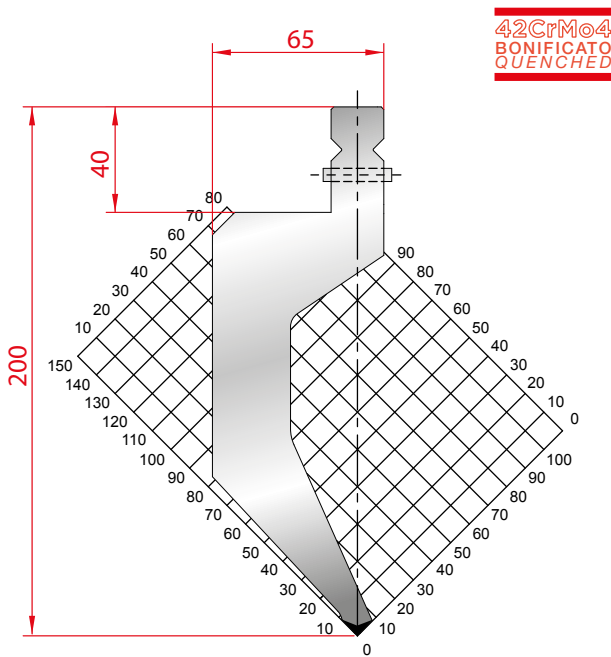
$\alpha = 86^\circ$
$R = 1$
$H = 157.00$
Max T/m = 65

19710



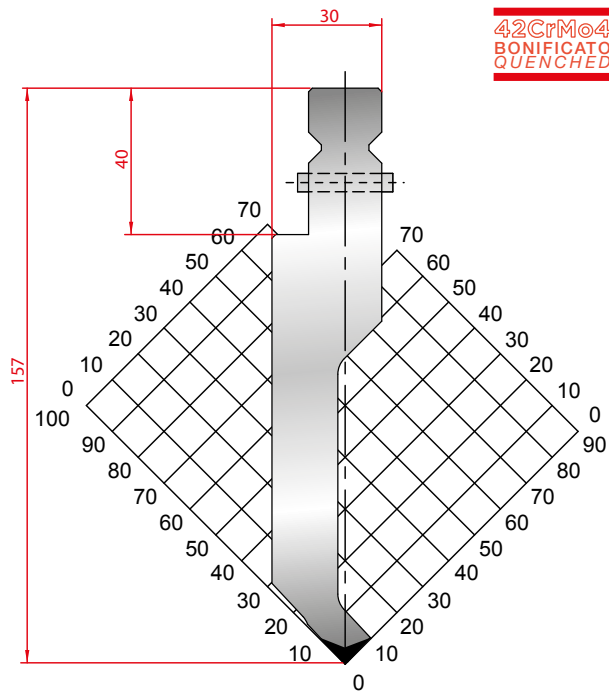
$\alpha = 86^\circ$
$R = 1$
$H = 300.00$
Max T/m = 80

19725 spinta laterale
shoulder load



$\alpha = 86^\circ$
$R = 1.5$
$H = 200.00$
Max T/m = 100

19800

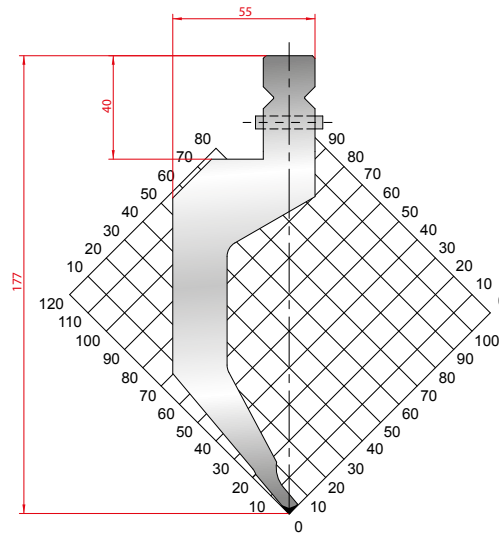


$\alpha = 86^\circ$
$R = 1$
$H = 157.00$
Max T/m = 100

19755

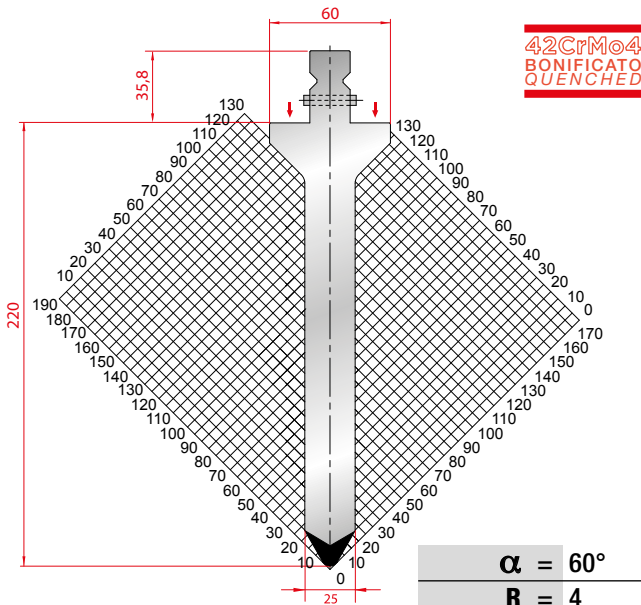


19785



42CrMo4
BONIFICATO
QUENCHED

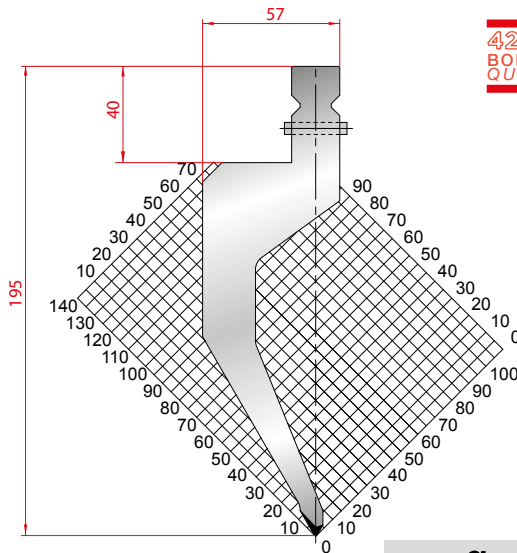
α	= 80°
R	= 0.5
H	= 177.00
Max T/m	= 20



42CrMo4
BONIFICATO
QUENCHED

α	= 60°
R	= 4
H	= 200.00
Max T/m	= 100

19545 spinta laterale
shoulder load (blue arrow)



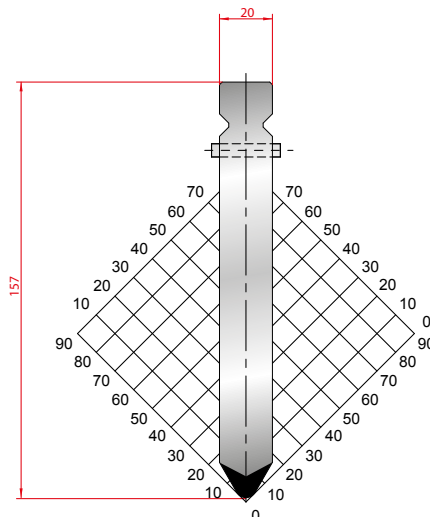
42CrMo4
BONIFICATO
QUENCHED

α	= 60°
R	= 0.8
H	= 195.00
Max T/m	= 40

18540

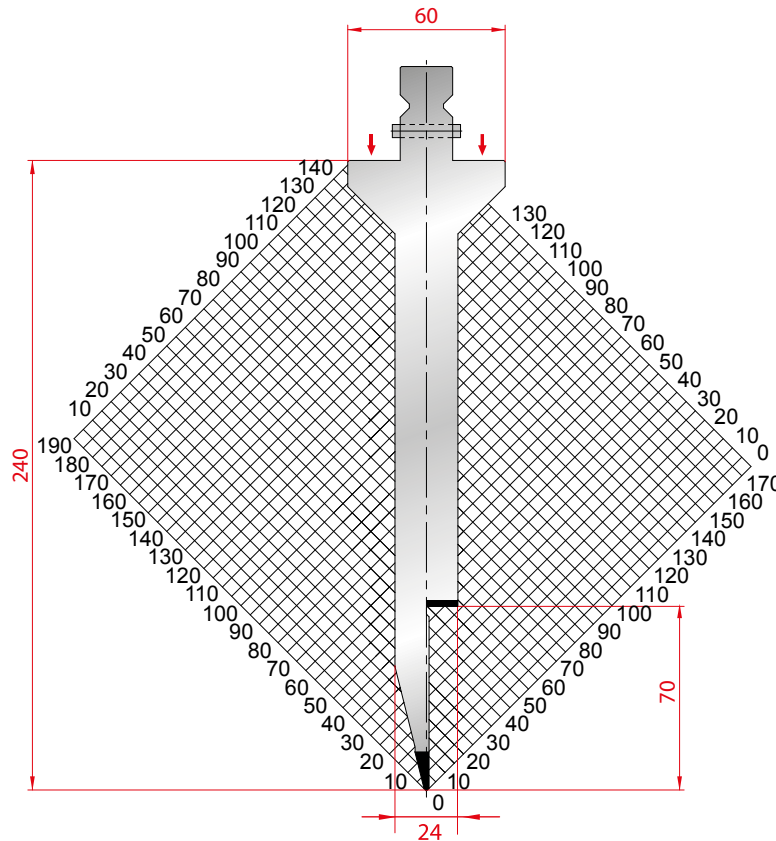


19770



42CrMo4
BONIFICATO
QUENCHED

α	= 60°
R	= 4
H	= 157.00
Max T/m	= 100

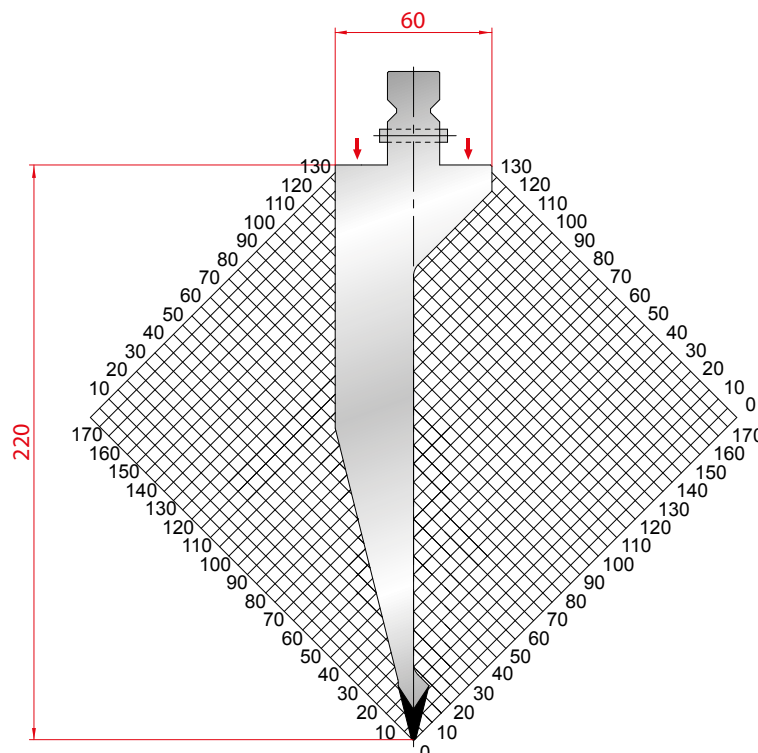


42CrMo4
BONIFICATO
QUENCHED

19425

spinta laterale (↓)
shoulder load

α	= 28°
R	= 1
H	= 240.00
Max T/m	= 40

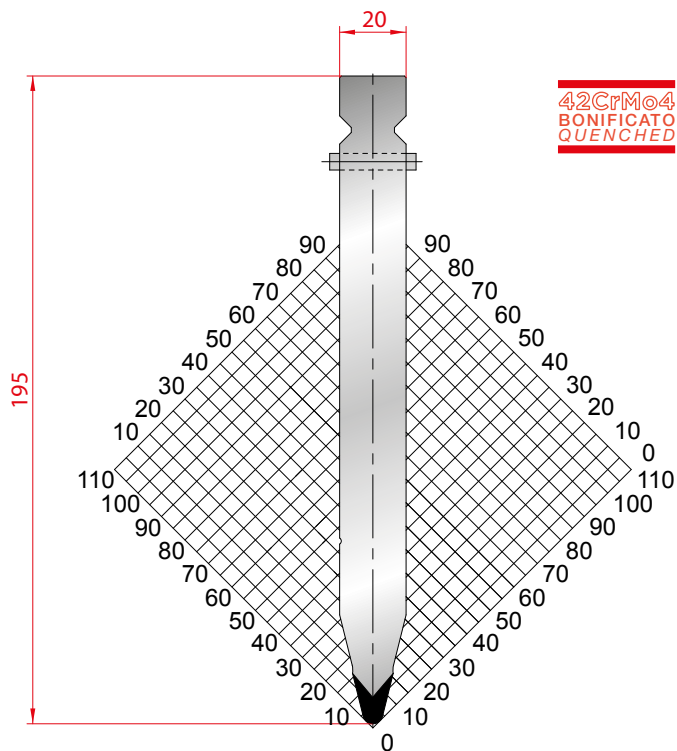


42CrMo4
BONIFICATO
QUENCHED

19530

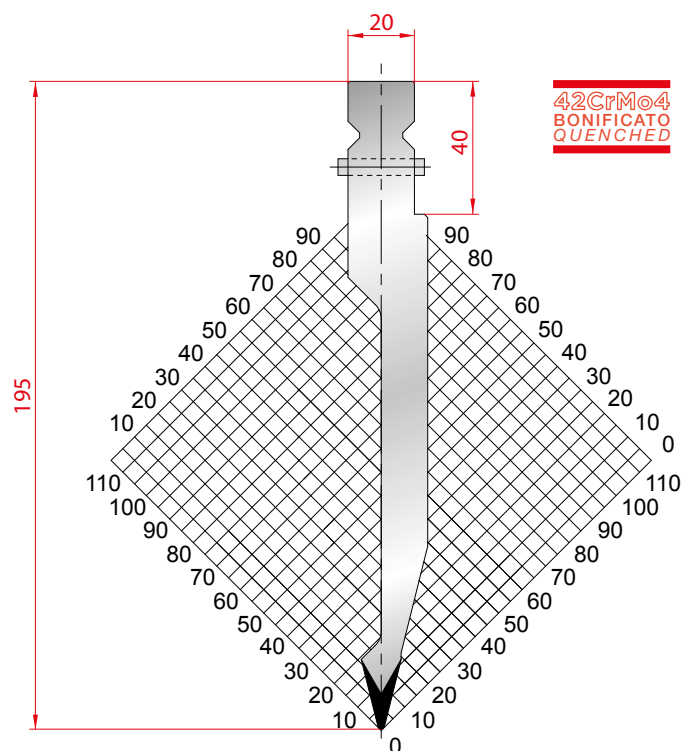
spinta laterale (↓)
shoulder load

α	= 28°
R	= 1
H	= 220.00
Max T/m	= 80



$\alpha = 28^\circ$
$R = 3$
$H = 195.00$
$\text{Max T/m} = 100$

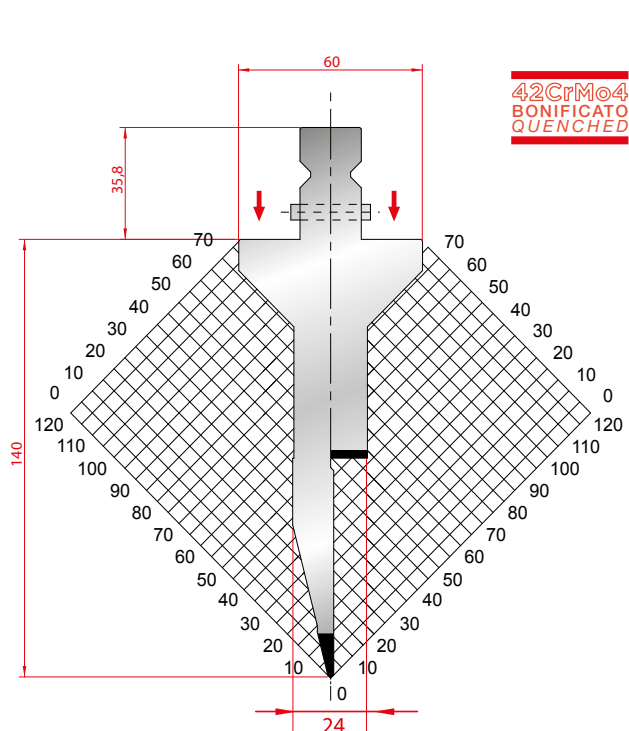
18555



$\alpha = 28^\circ$
$R = 1$
$H = 195.00$
$\text{Max T/m} = 80$

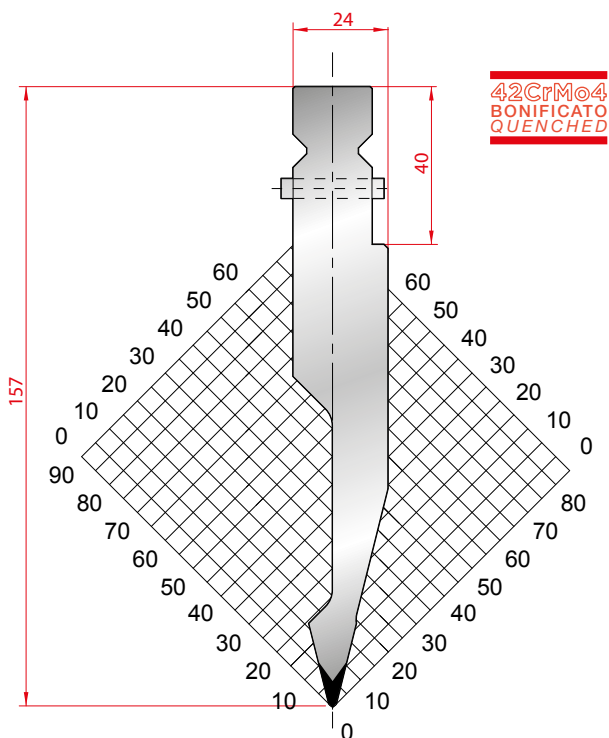
18570





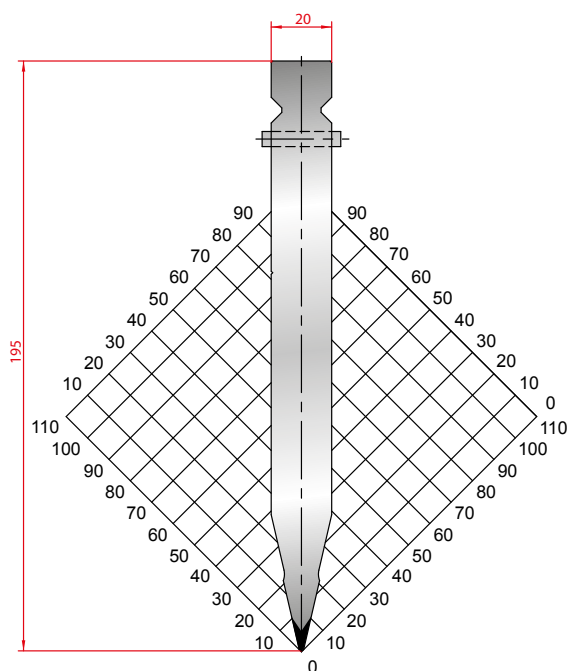
$\alpha = 28^\circ$
$R = 0.8$
$H = 140.00$
Max T/m = 40

19620 spinta laterale
shoulder load (↓)



$\alpha = 28^\circ$
$R = 1$
$H = 157.00$
Max T/m = 80

19695 spinta laterale
shoulder load (↓)

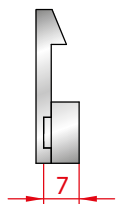


$\alpha = 26^\circ$
$R = 0.8$
$H = 195.00$
Max T/m = 100



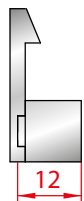
19740

FRESATURA PULSANTE
MILLING FOR SAFETY BUTTON



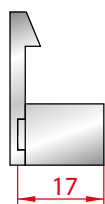
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-1316 -1318



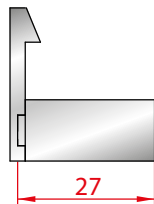
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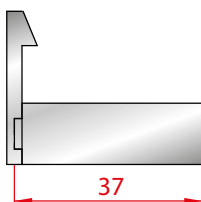
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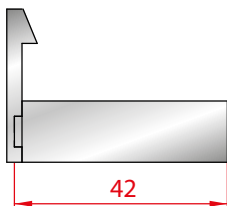
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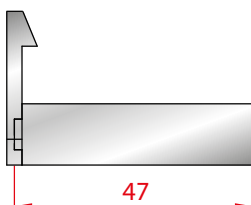
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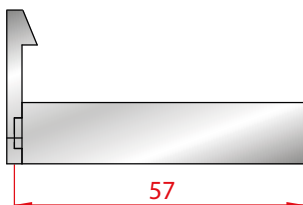
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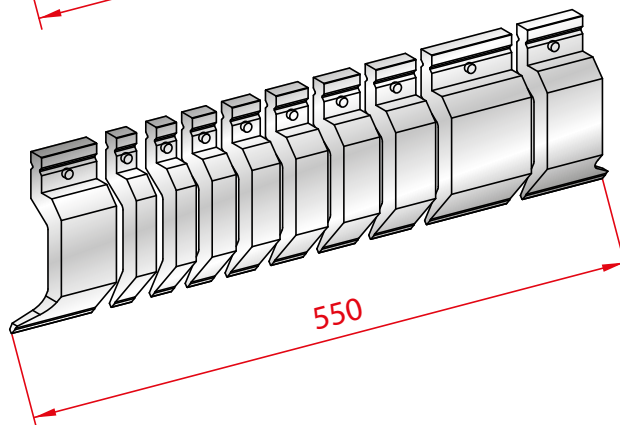
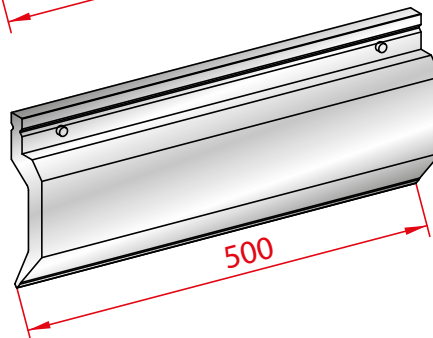
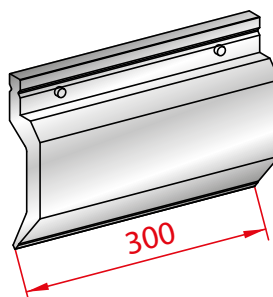
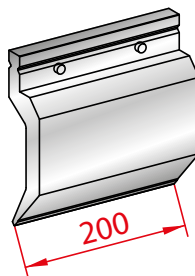
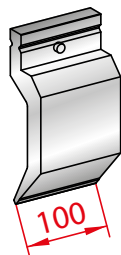
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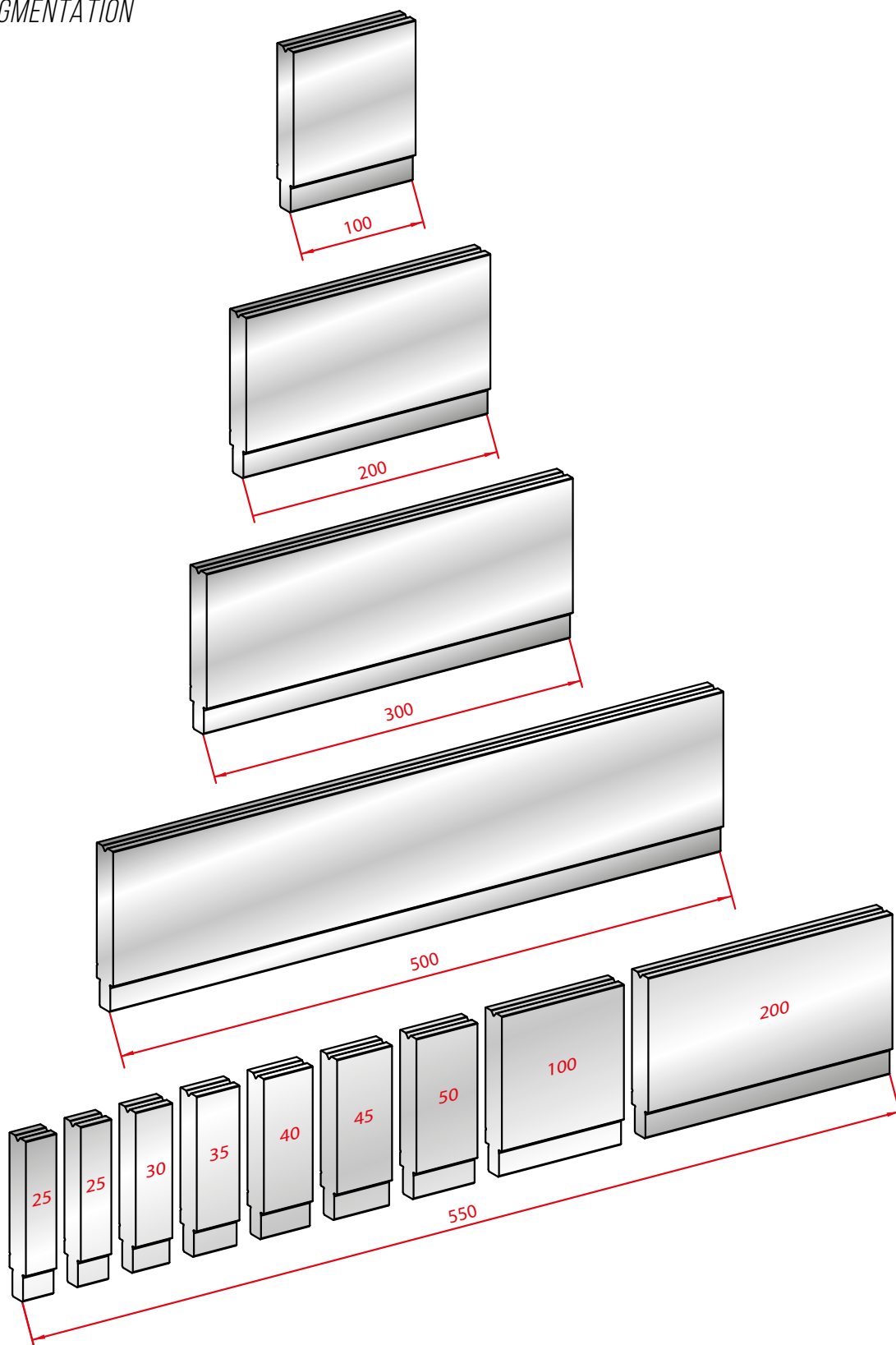


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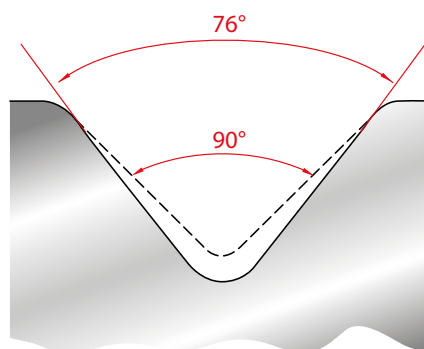
FRAZIONATURA STANDARD
STANDARD SEGMENTATION



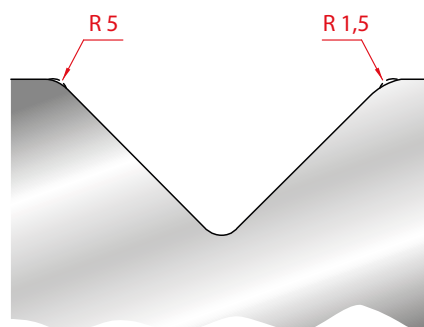
TAGLI A RICHIESTA
SPECIAL SEGMENTATION



MODIFICA ANGOLO
ANGLES MODIFICATION



MODIFICA RAGGIO
RADIUS MODIFICATION

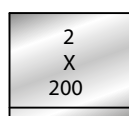
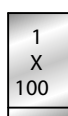


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FOR DIES

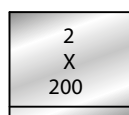
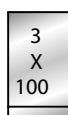
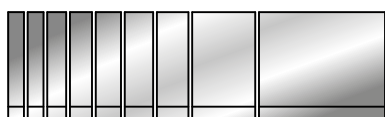
47025 - 48330 - 48345
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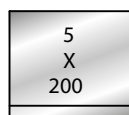
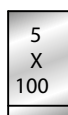
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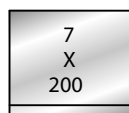
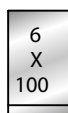
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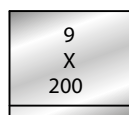
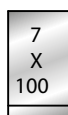
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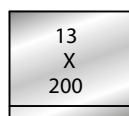
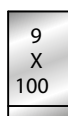
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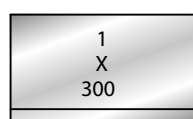
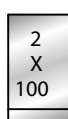
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**PER MATRICI
FOR DIES**

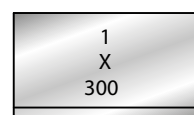
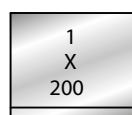
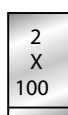
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48315 - 46845 - 46995
47010**



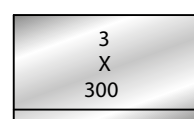
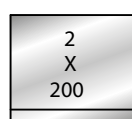
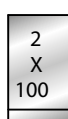
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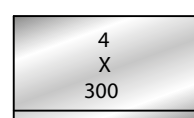
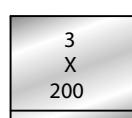
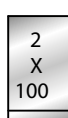
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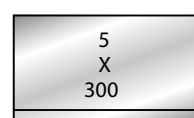
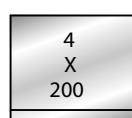
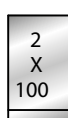
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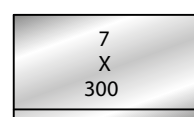
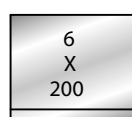
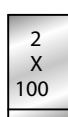
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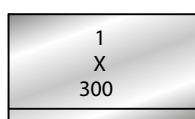
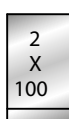


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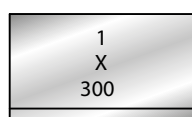
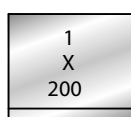
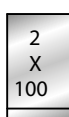
PER TUTTI GLI ALTRI TIPI DI MATRICI
FOR ALL OTHERS TYPE OF DIES



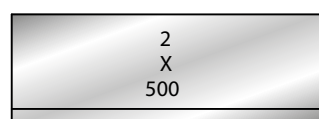
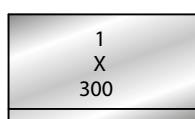
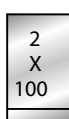
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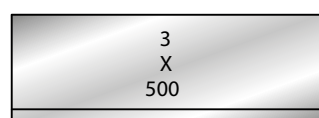
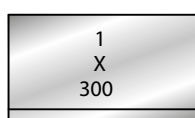
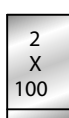
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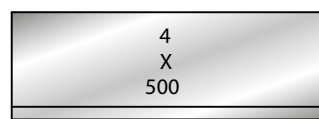
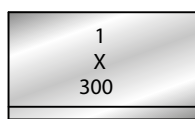
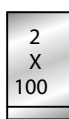
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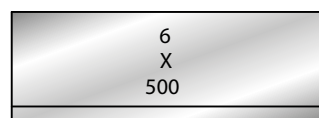
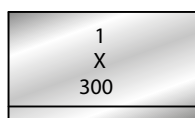
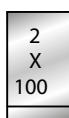
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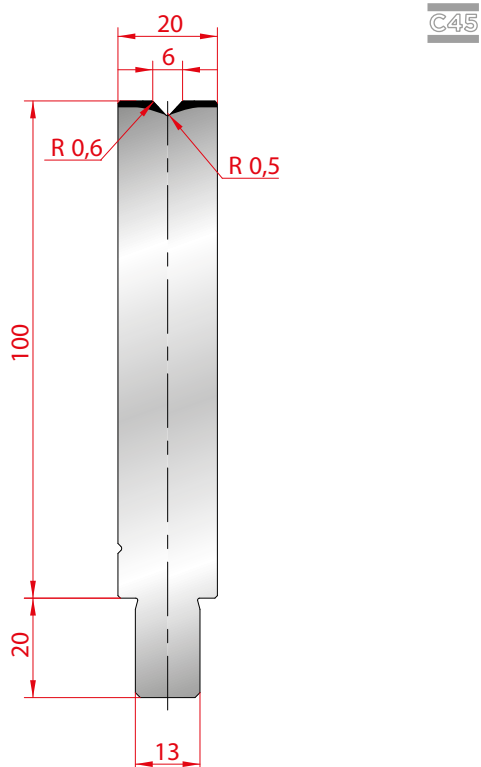
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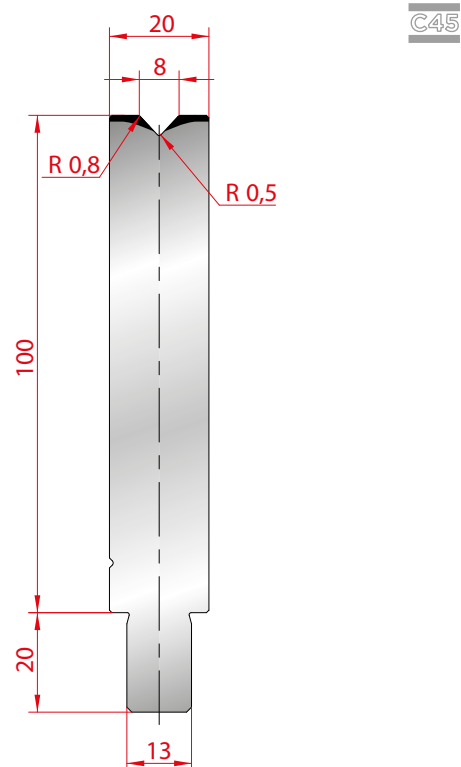


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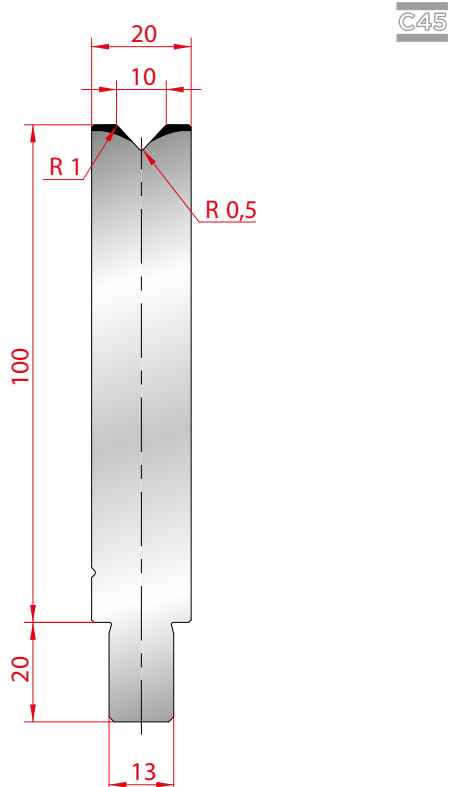
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Max T/m = 100



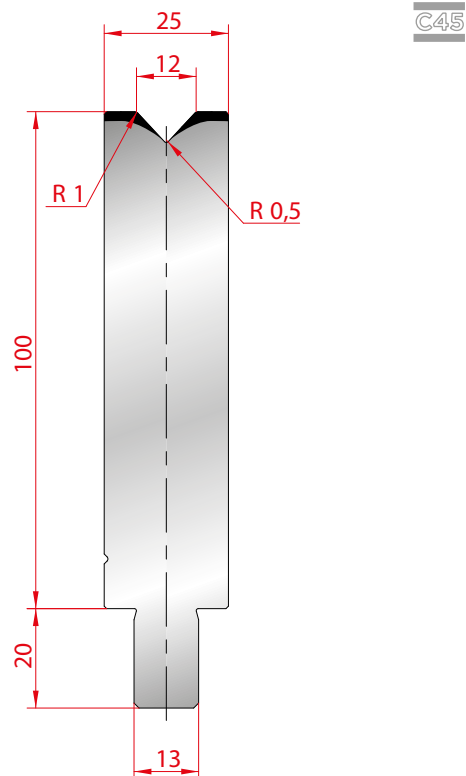
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Max T/m = 100



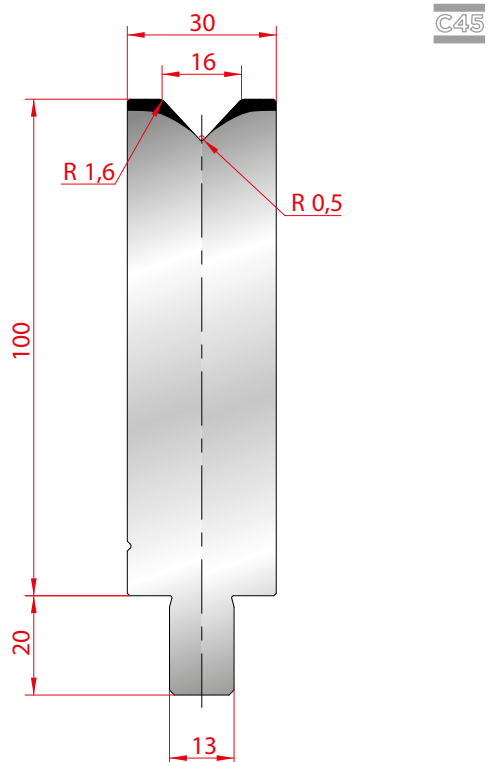
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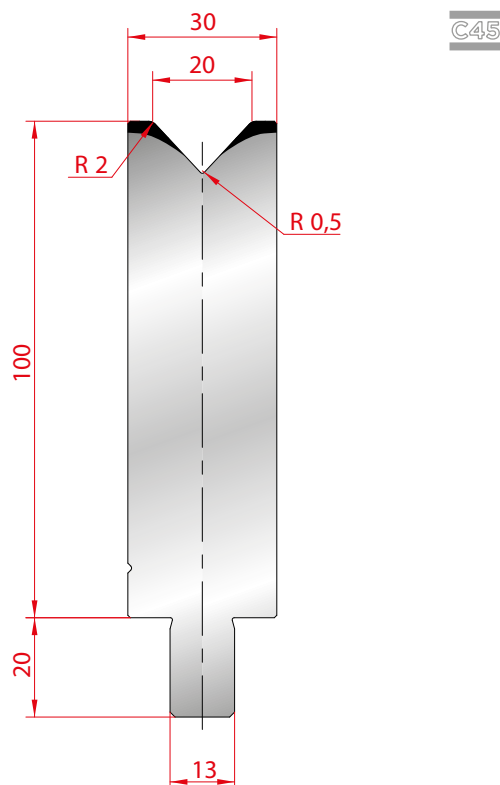
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Max T/m = 100



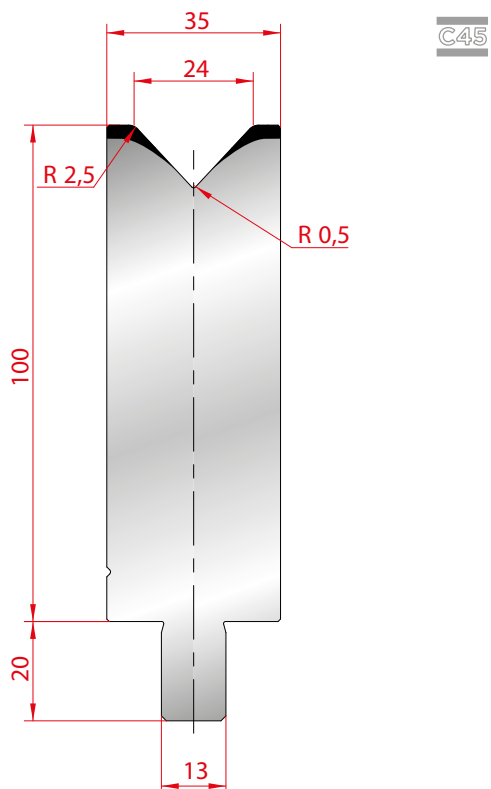
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Max T/m = 100



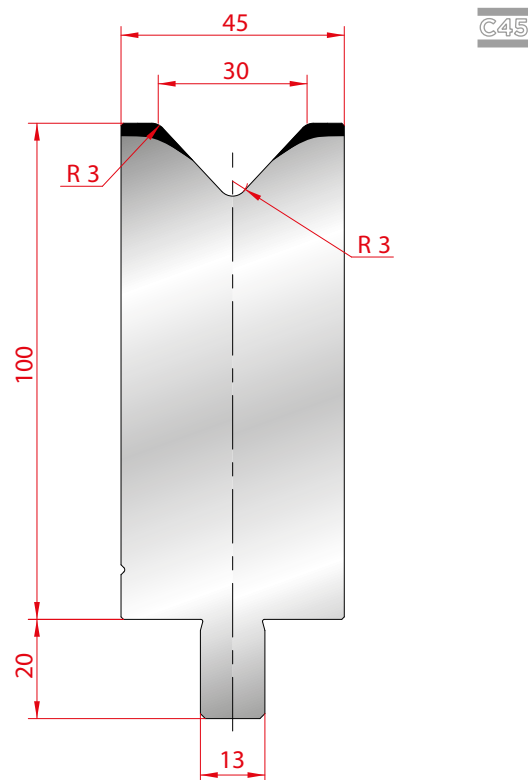
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Max T/m = 100



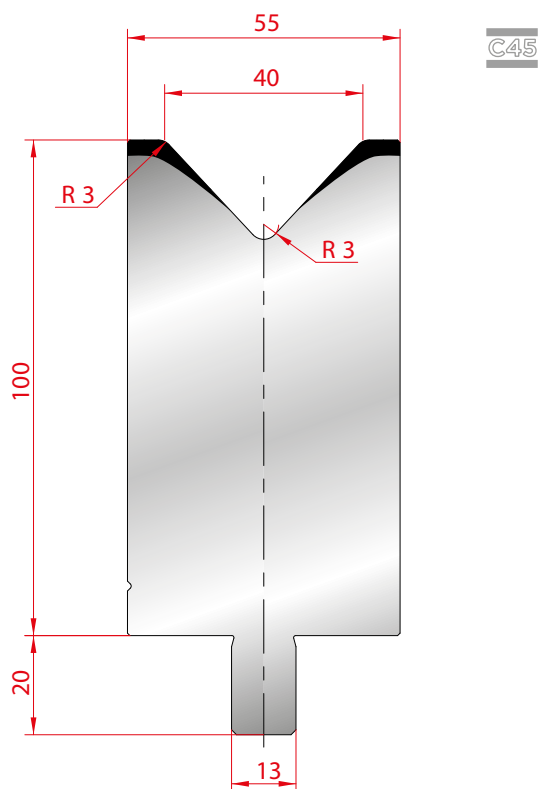
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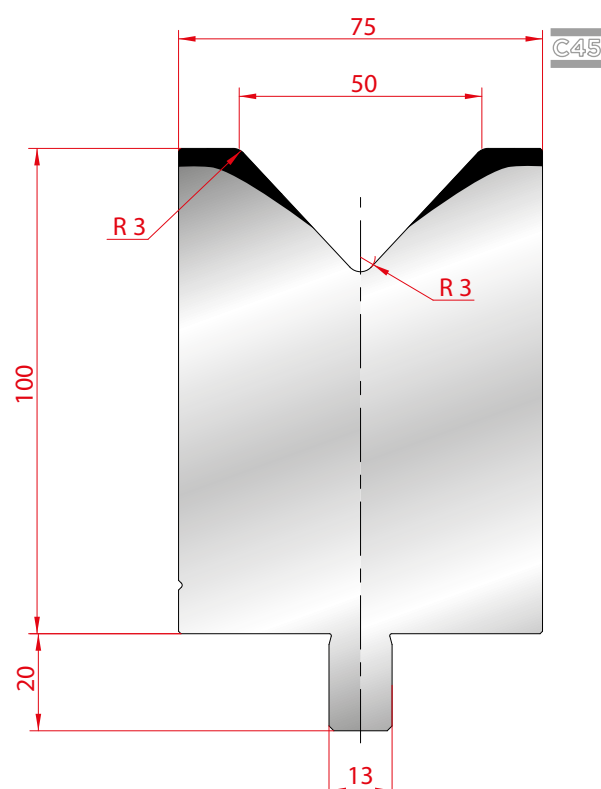
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Max T/m = 100



46965

Max T/m = 100

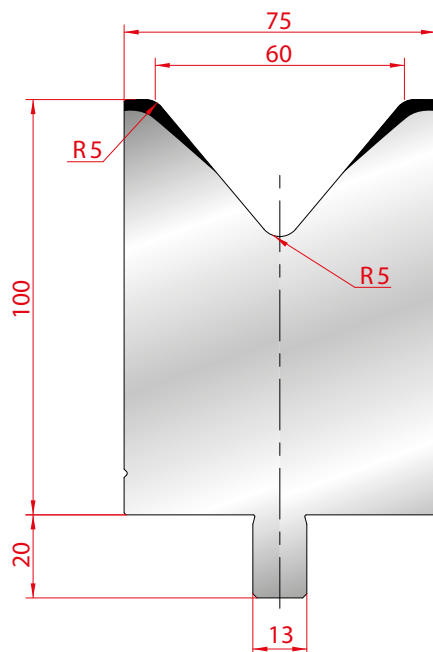


46980

Max T/m = 100



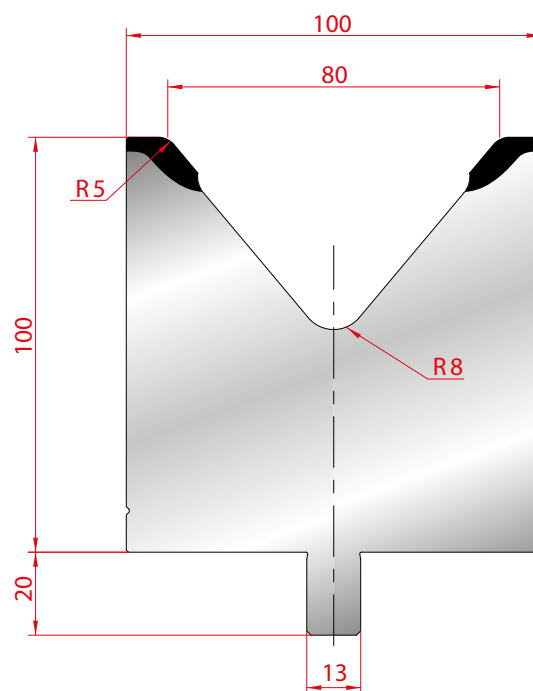
C45



46995

Max T/m = 100

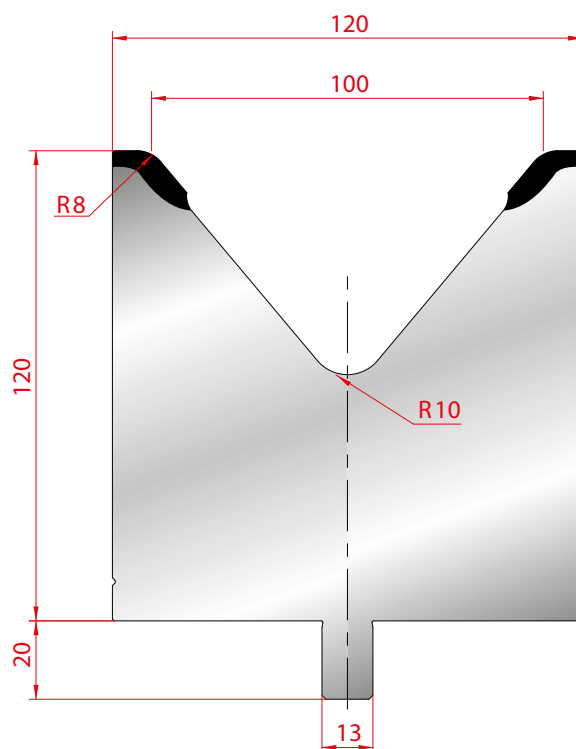
C45



47010

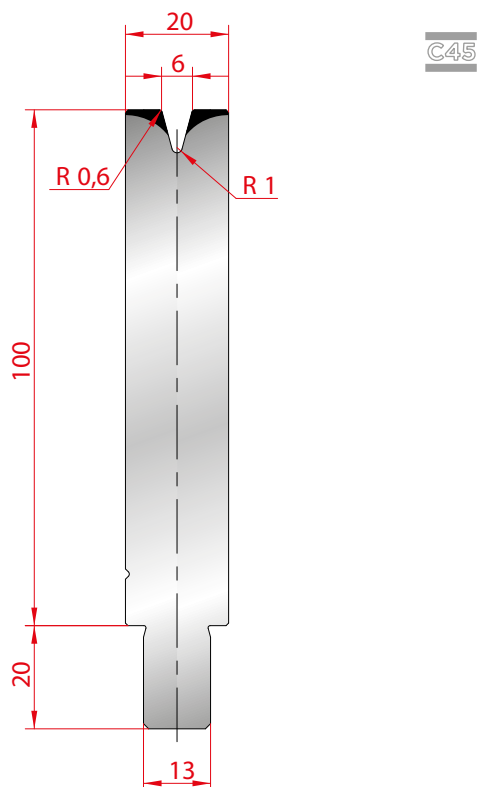
Max T/m = 100

C45



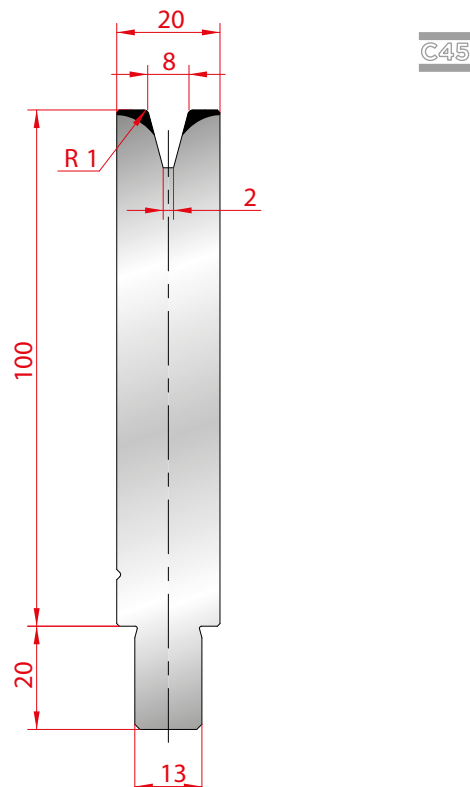
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Max T/m = 100



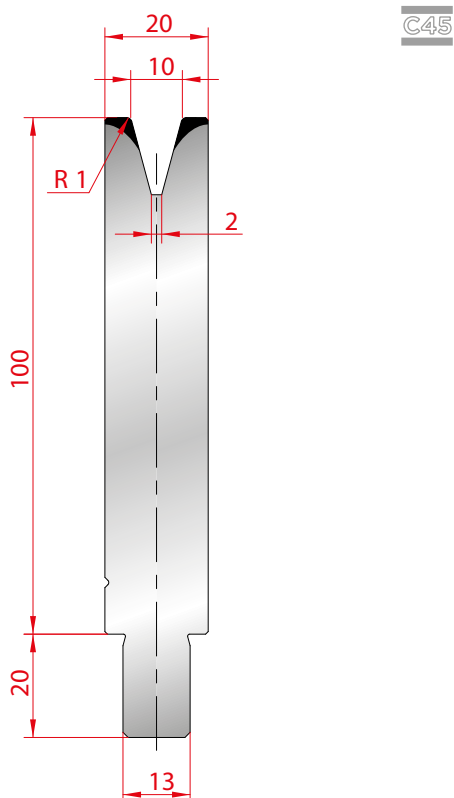
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Max T/m = 50



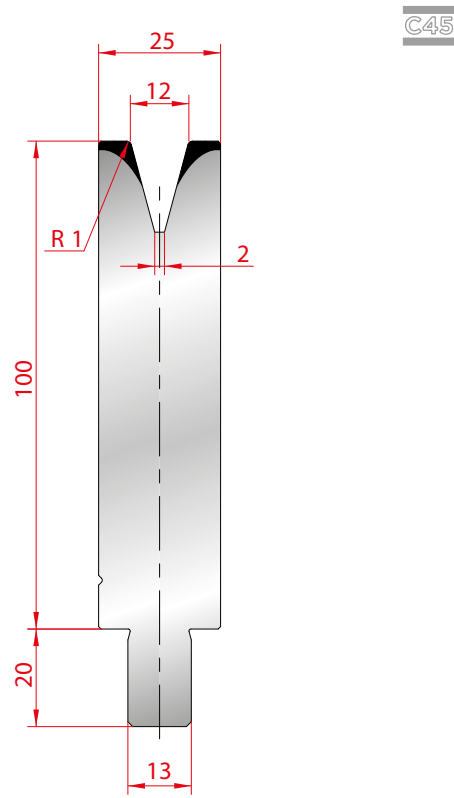
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Max T/m = 40



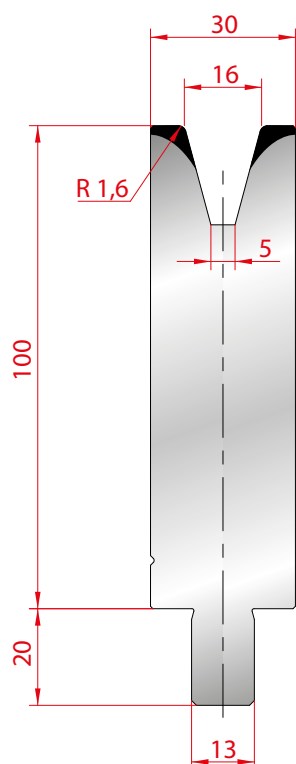
47070

Max T/m = 40



47085

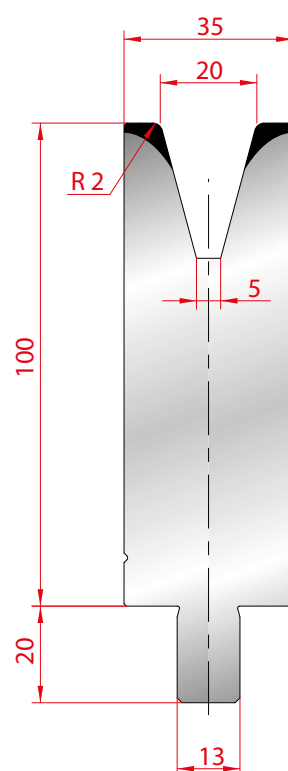
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C45

47100

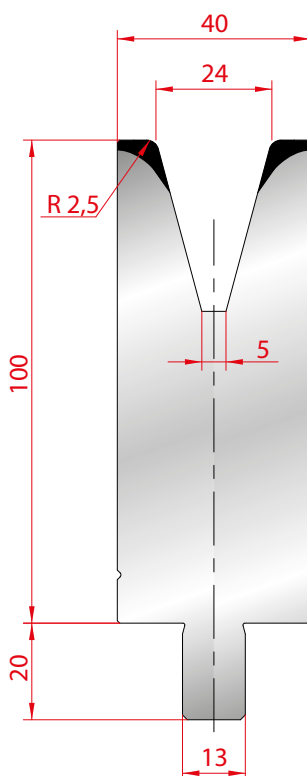
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C45

47115

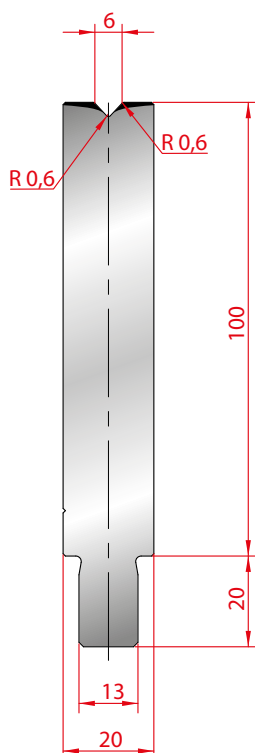
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C45

47130

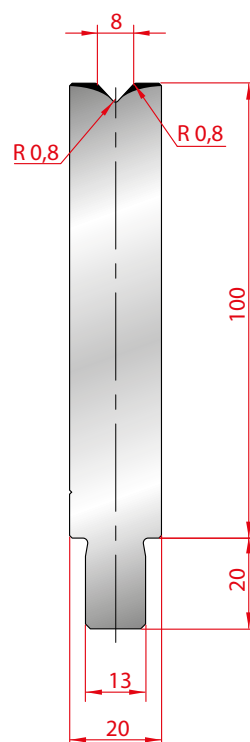
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42CrMo4
BONIFICATO
QUENCHED

48000

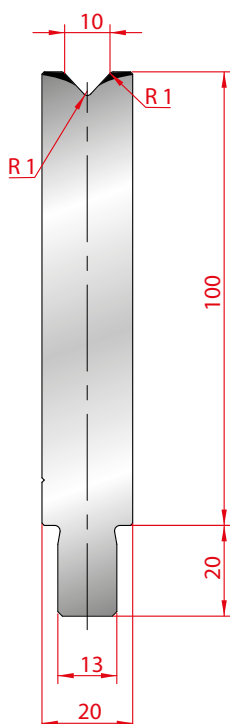
Max T/m = 100



42CrMo4
BONIFICATO
QUENCHED

48015

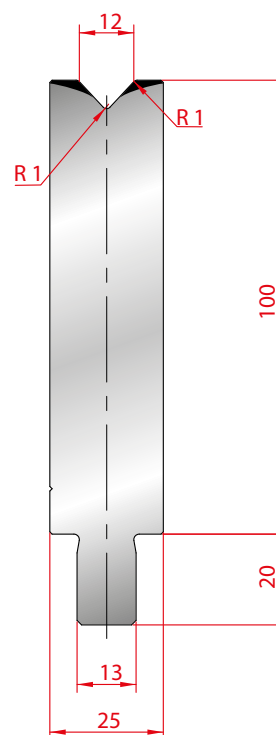
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42CrMo4
BONIFICATO
QUENCHED

48030

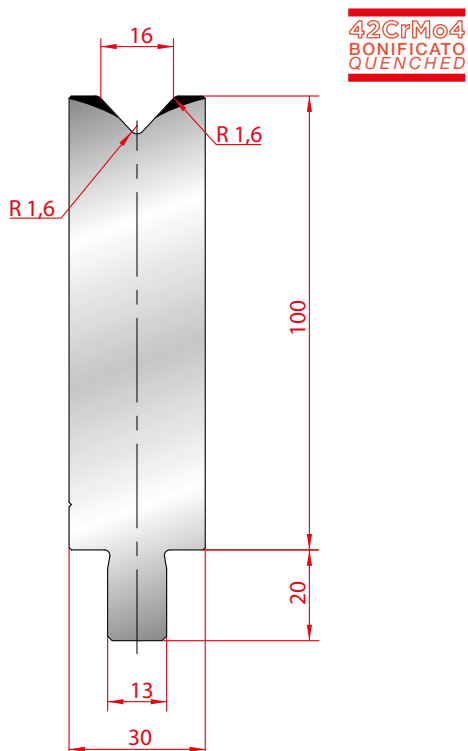
Max T/m = 100



42CrMo4
BONIFICATO
QUENCHED

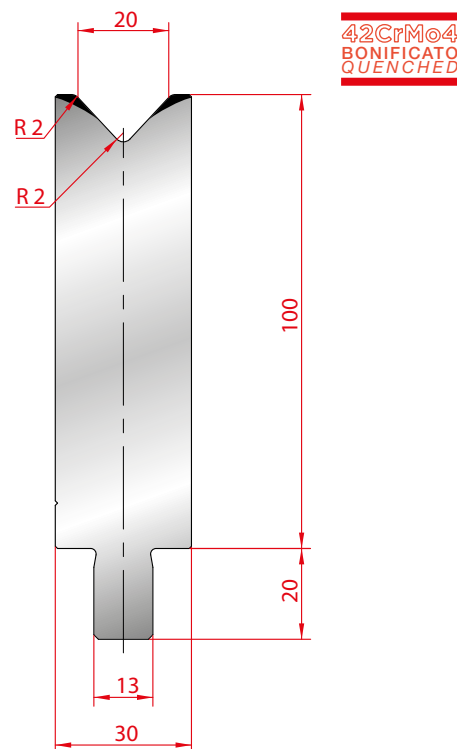
48045

Max T/m = 100



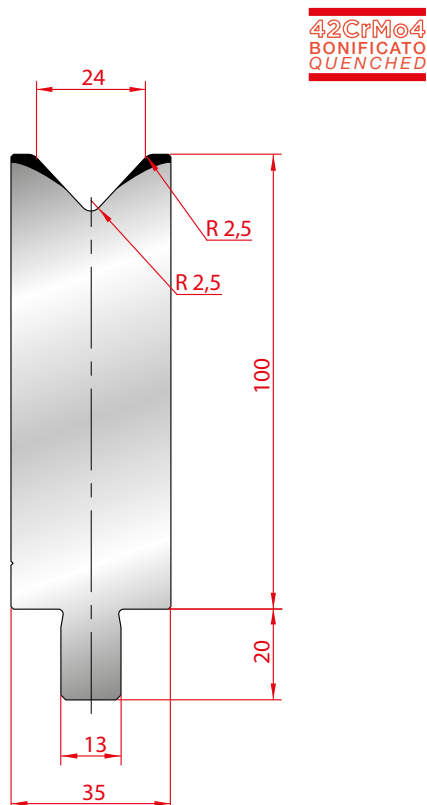
48060

Max T/m = 100



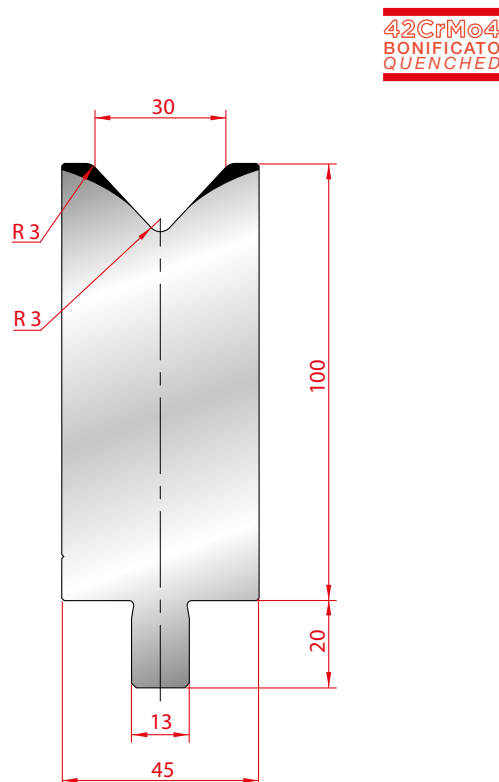
48075

Max T/m = 100



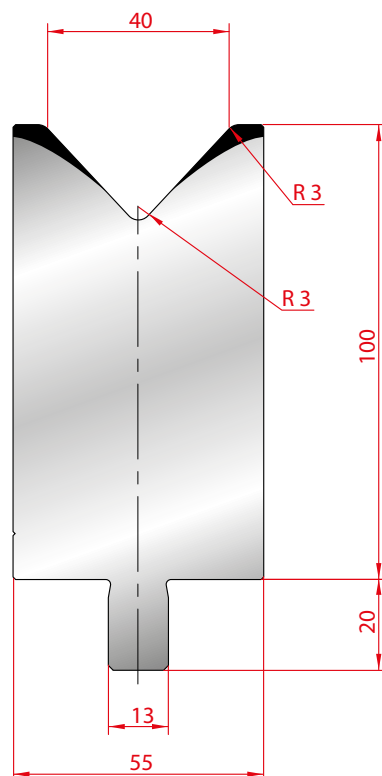
48225

Max T/m = 100



48240

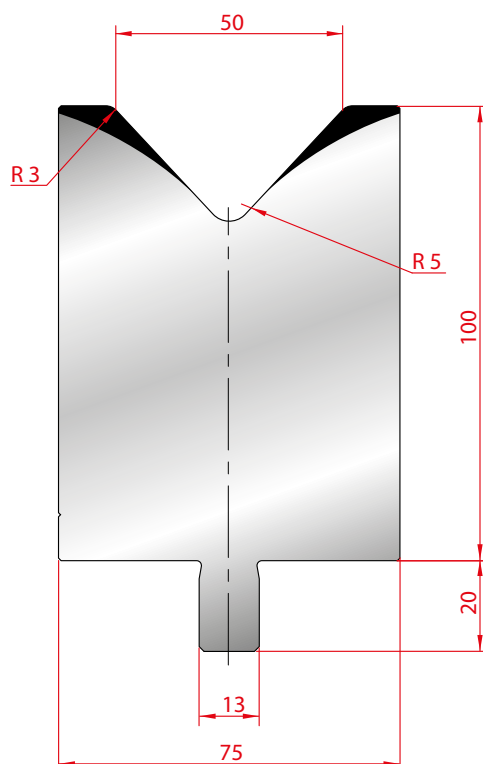
Max T/m = 100



42CrMo4
BONIFICATO
QUENCHED

48255

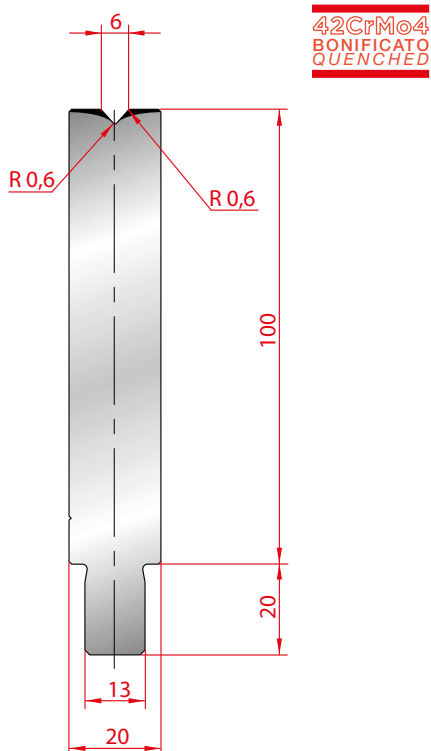
Max T/m = 120



42CrMo4
BONIFICATO
QUENCHED

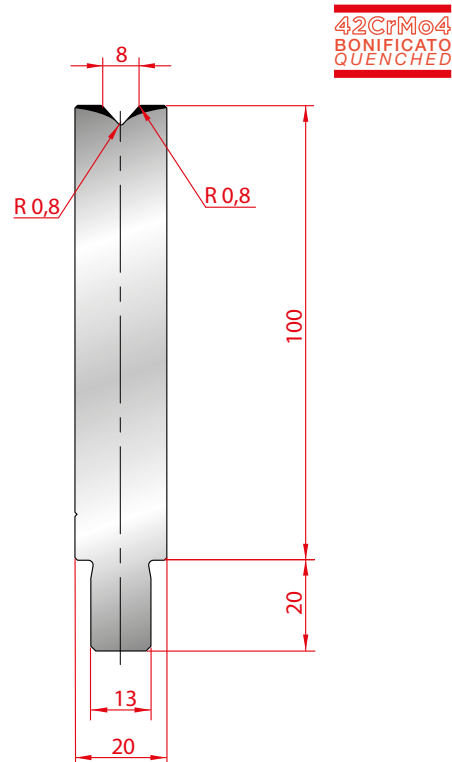
48270

Max T/m = 150



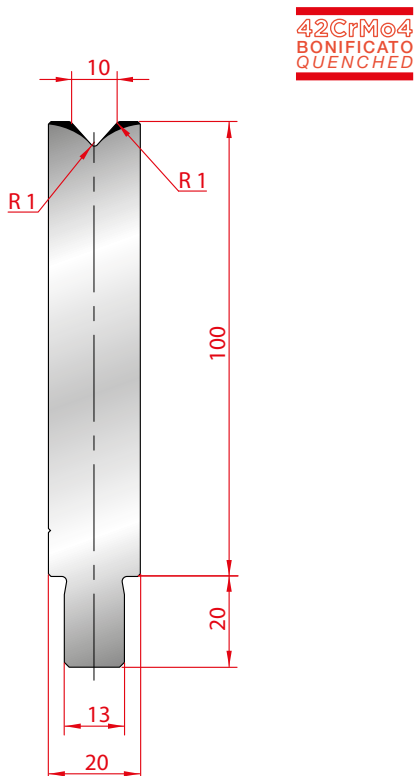
48375

Max T/m = 130



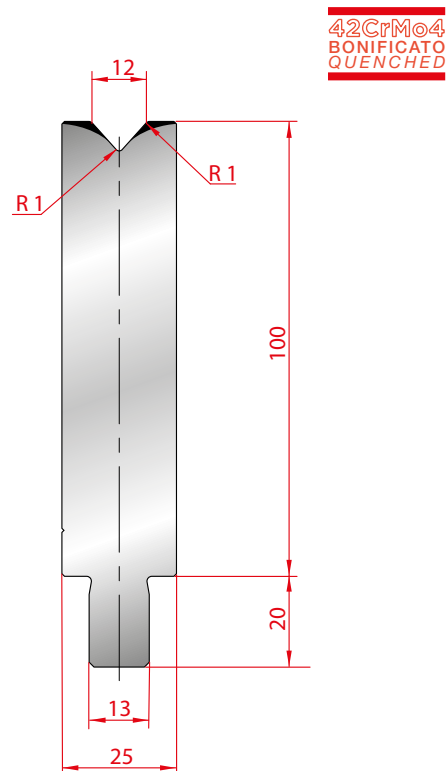
48390

Max T/m = 100



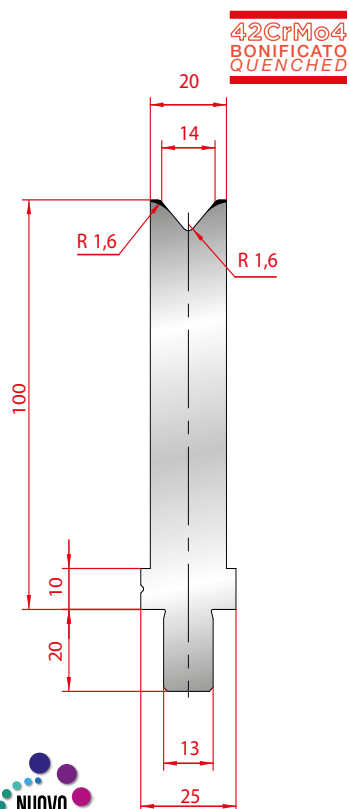
48405

Max T/m = 100



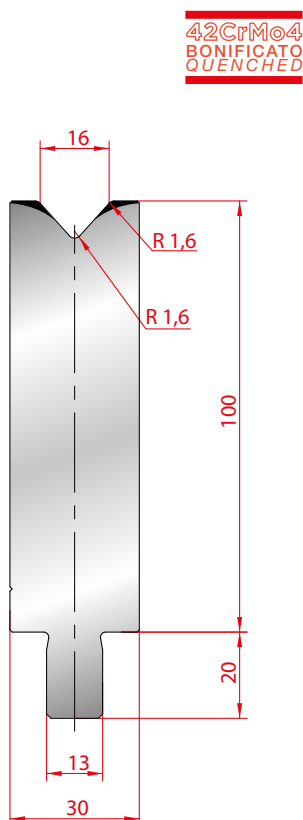
48420

Max T/m = 100



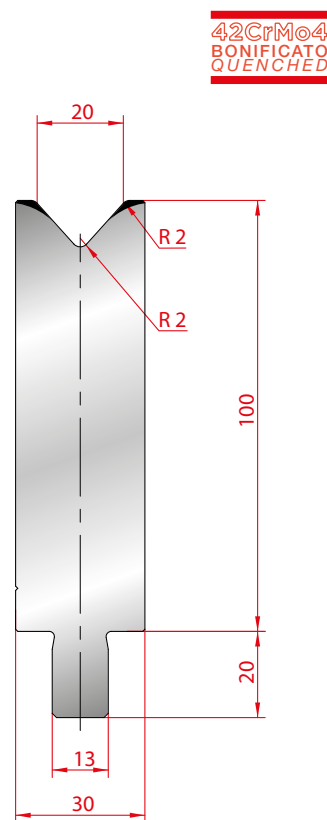
48660

Max T/m = 90



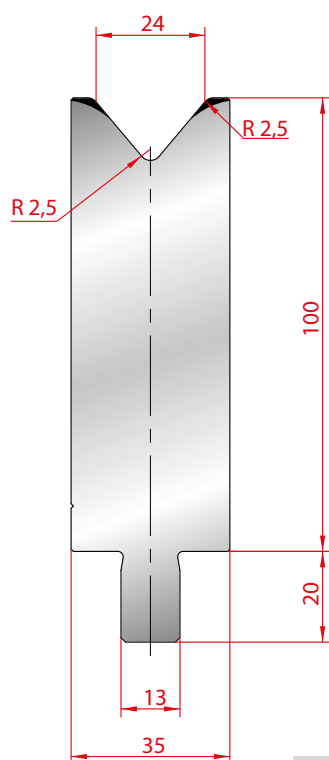
48435

Max T/m = 100



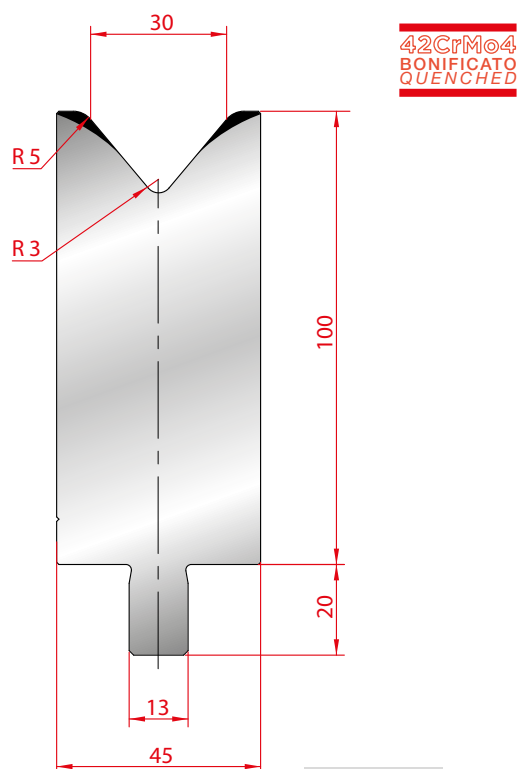
48450

Max T/m = 100



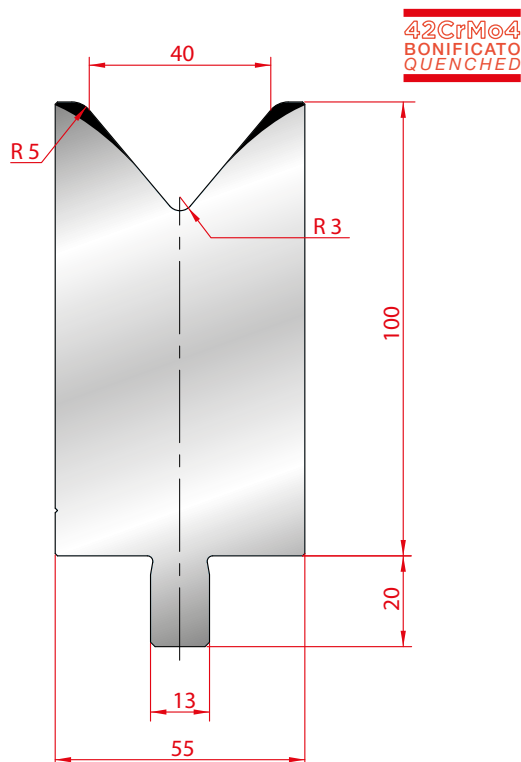
48465

Max T/m = 100



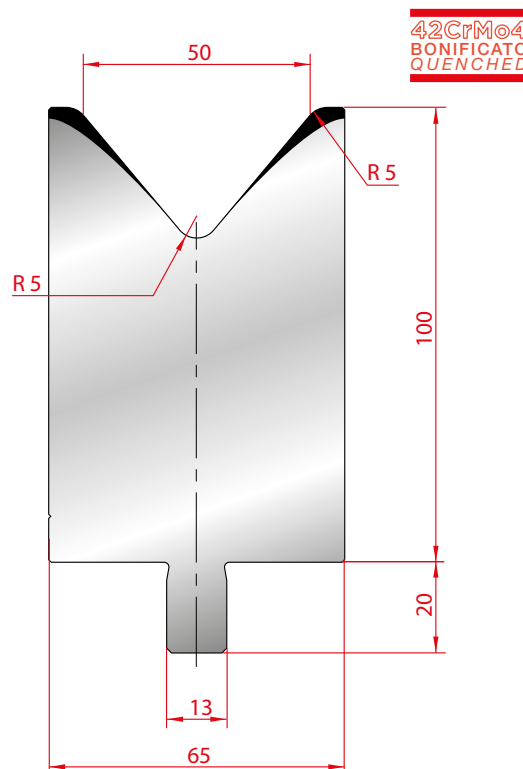
48480

Max T/m = 120



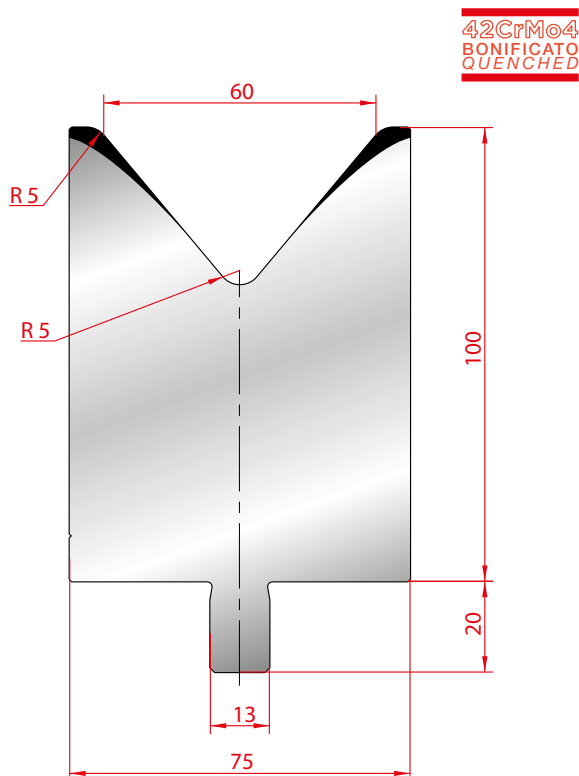
48495

Max T/m = 150



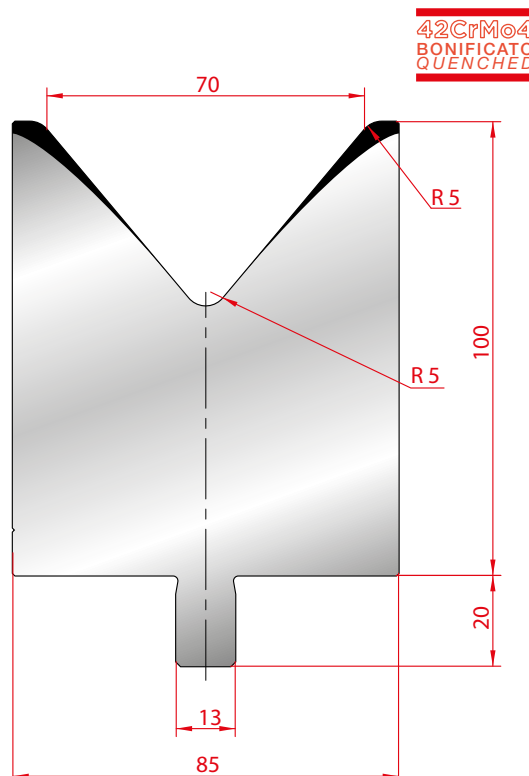
48510

Max T/m = 150



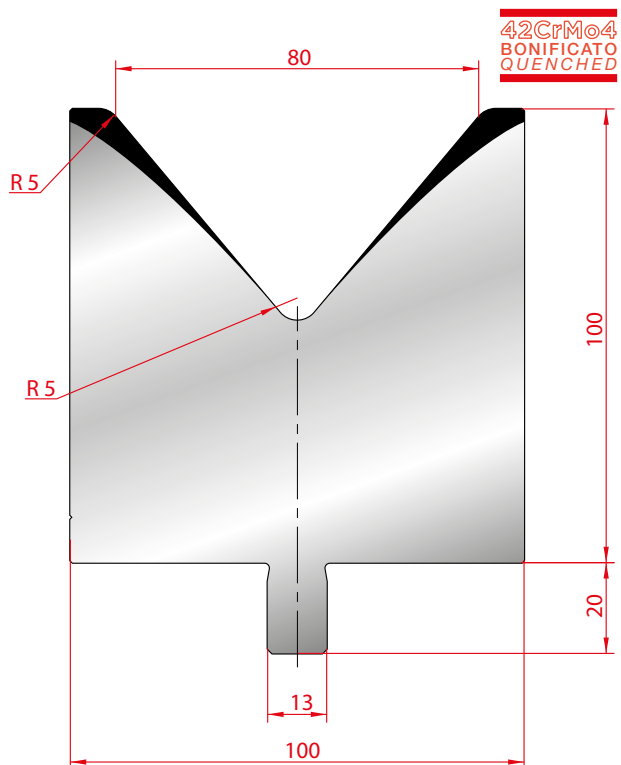
48285

Max T/m = 150



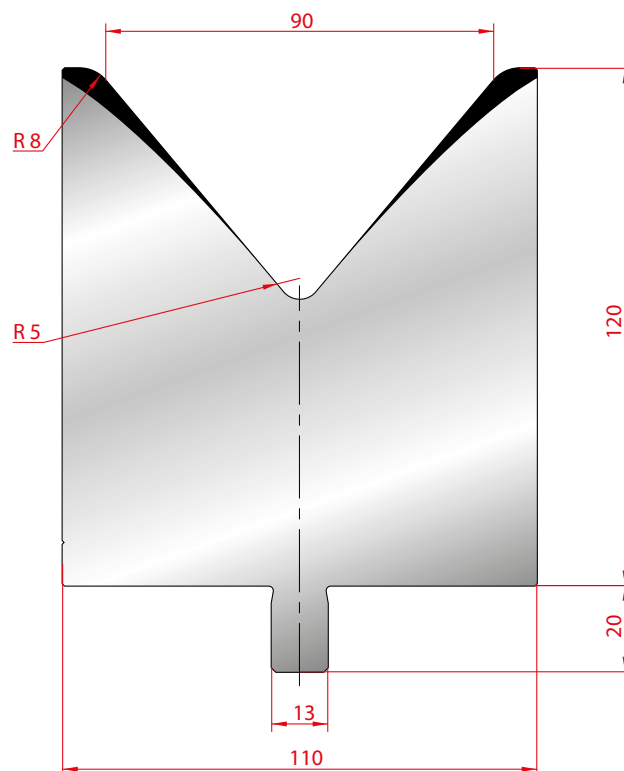
48300

Max T/m = 150



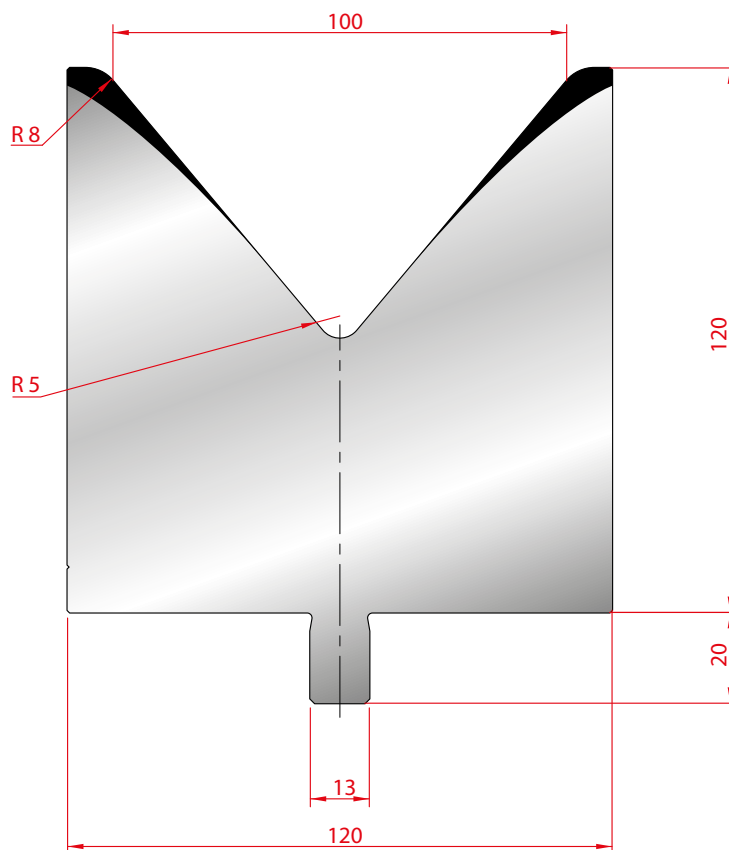
48315

Max T/m = 150



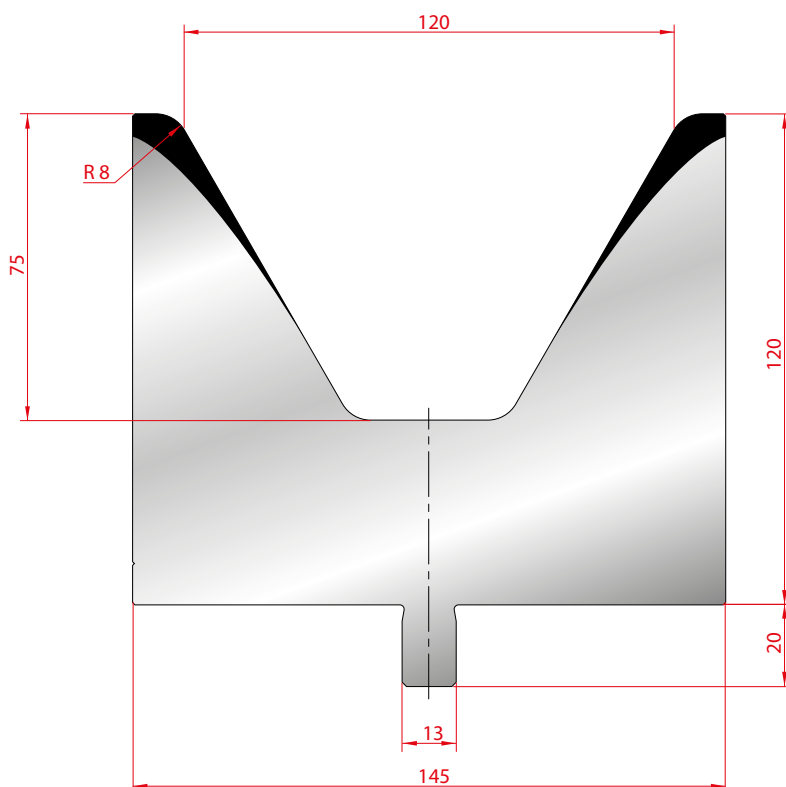
48330

Max T/m = 150



48345

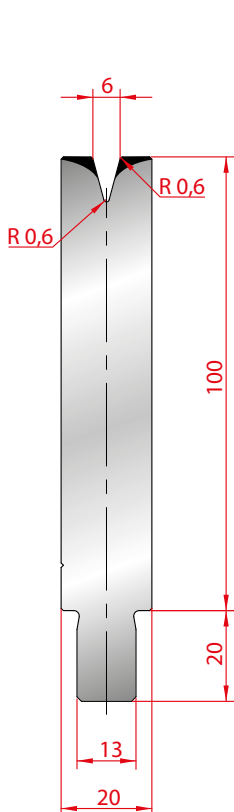
Max T/m = 150



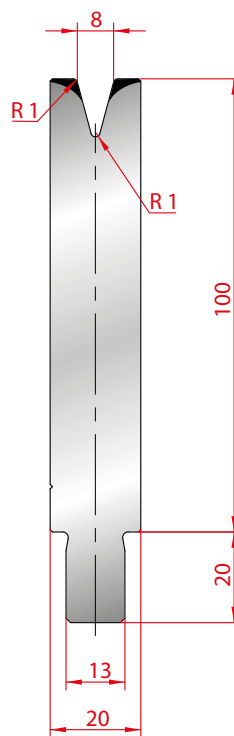
42CrMo4
BONIFICATO
QUENCHED

48360

Max T/m = 160



42CrMo4
BONIFICATO
QUENCHED



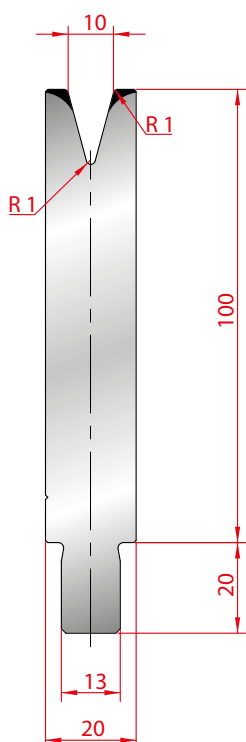
42CrMo4
BONIFICATO
QUENCHED

48090

Max T/m = 60

48105

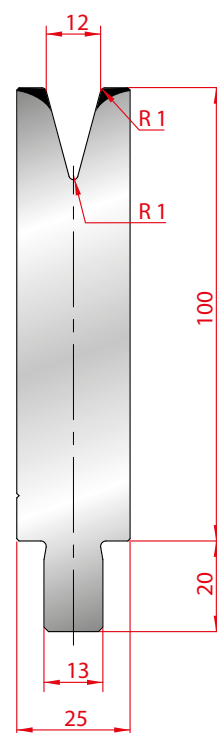
Max T/m = 50



42CrMo4
BONIFICATO
QUENCHED

48120

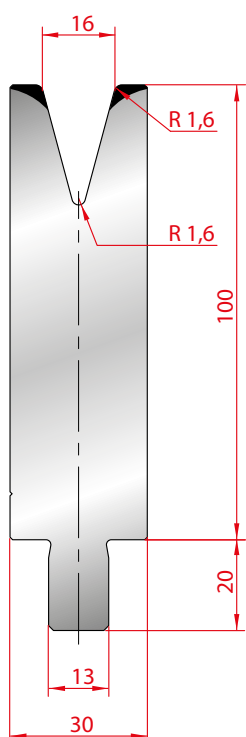
Max T/m = 50



42CrMo4
BONIFICATO
QUENCHED

48135

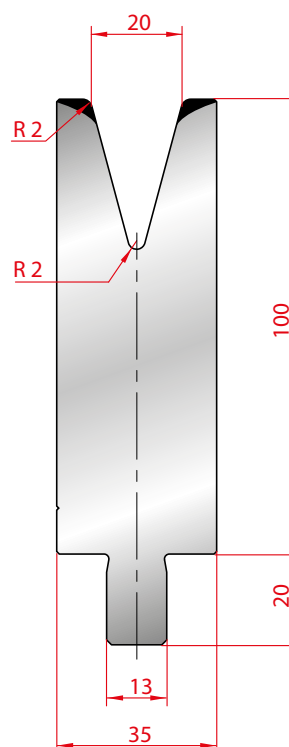
Max T/m = 56



42CrMo4
BONIFICATO
QUENCHED

48150

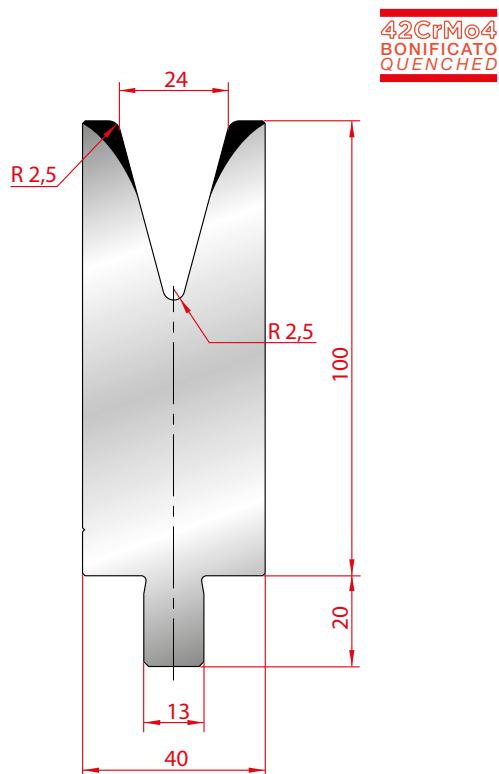
Max T/m = 68



42CrMo4
BONIFICATO
QUENCHED

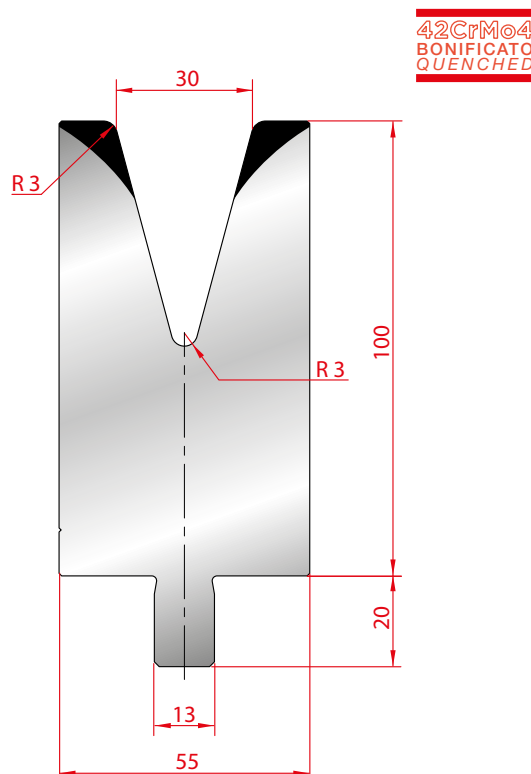
48165

Max T/m = 50



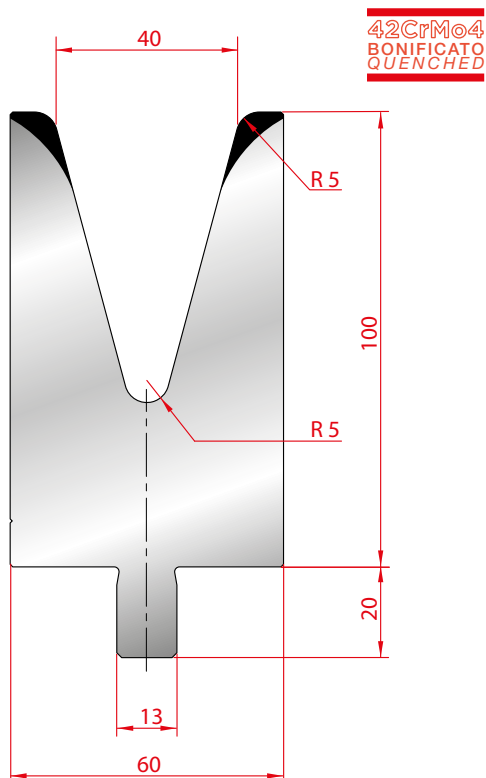
48180

Max T/m = 55



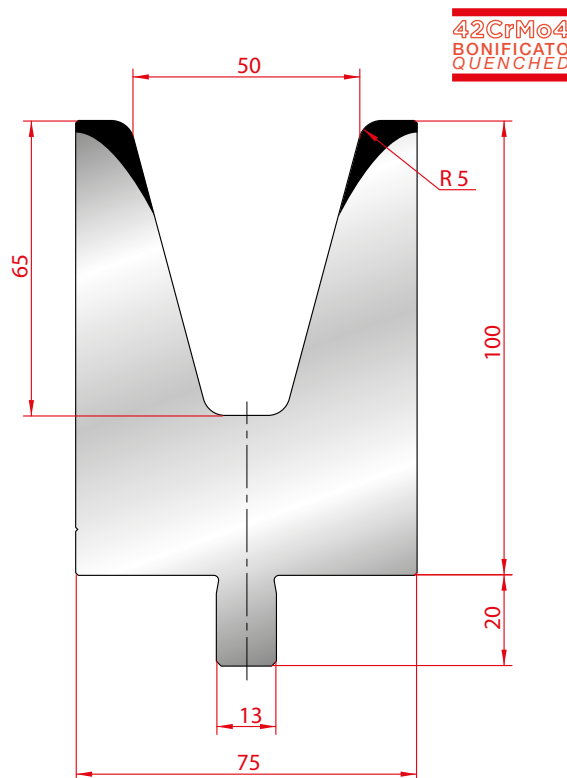
48195

Max T/m = 85



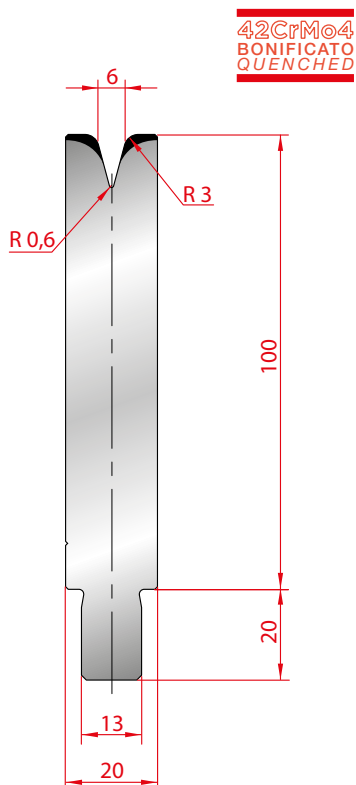
48210

Max T/m = 73

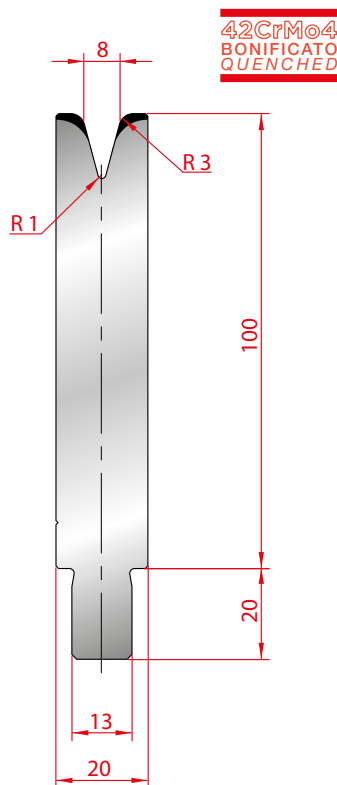


48525

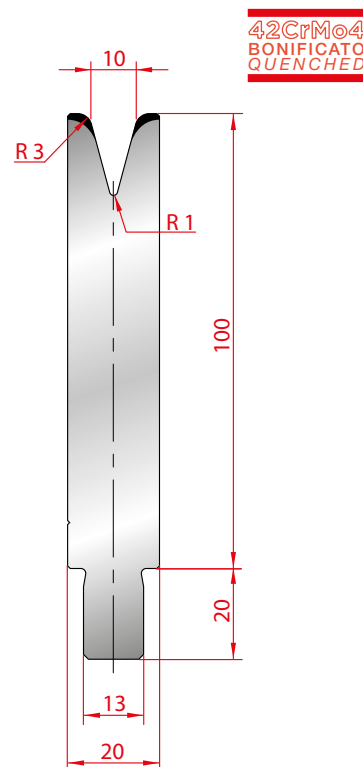
Max T/m = 100



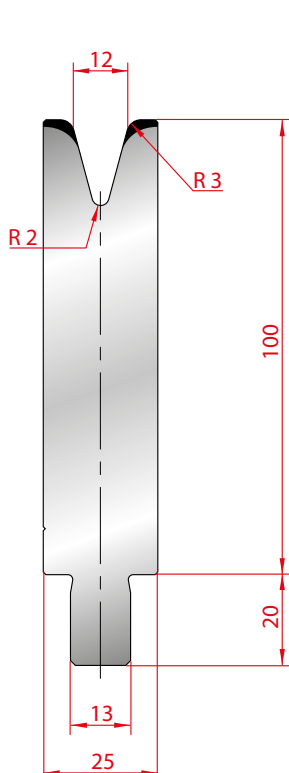
48540 Max T/m = 45



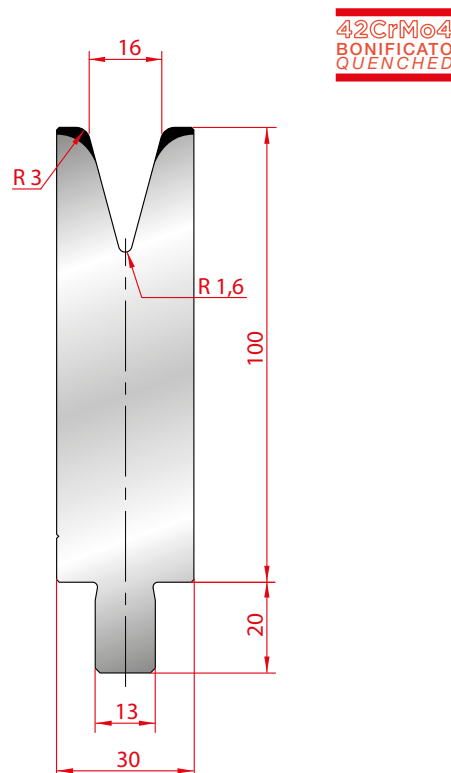
48555 Max T/m = 40



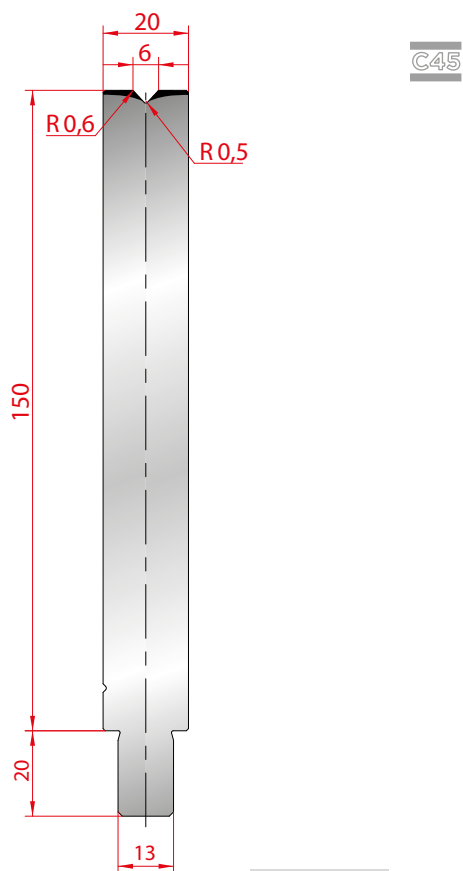
48570 Max T/m = 30



48585 Max T/m = 40

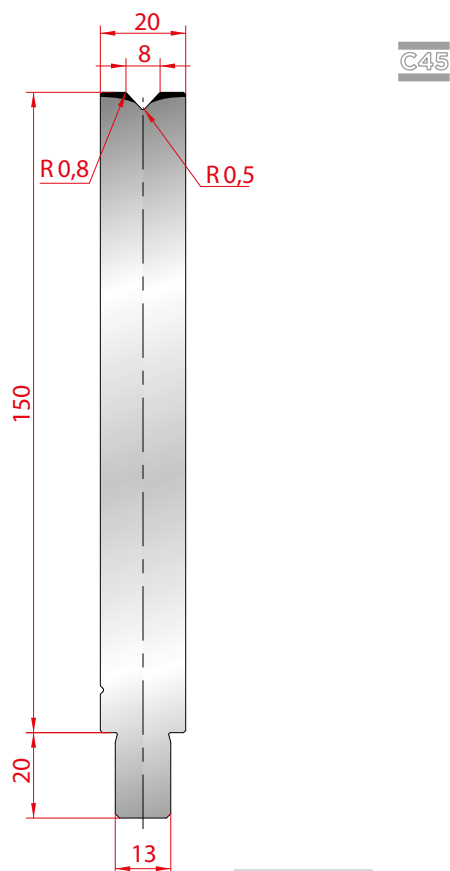


48600 Max T/m = 40



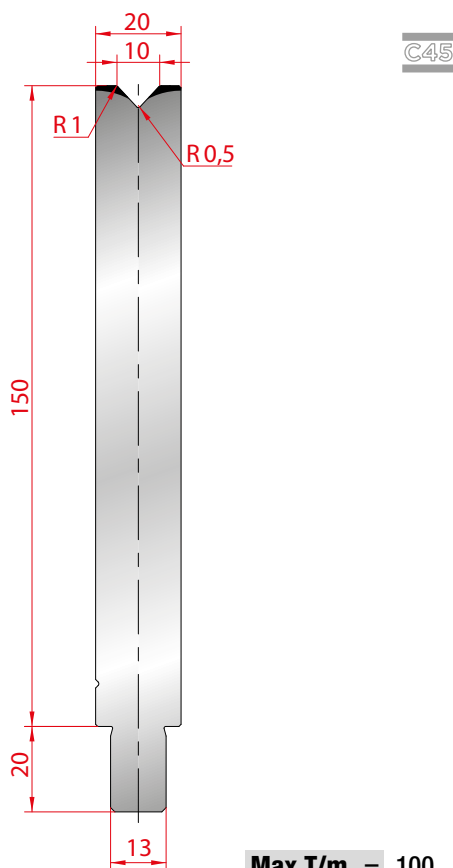
47145

Max T/m = 100



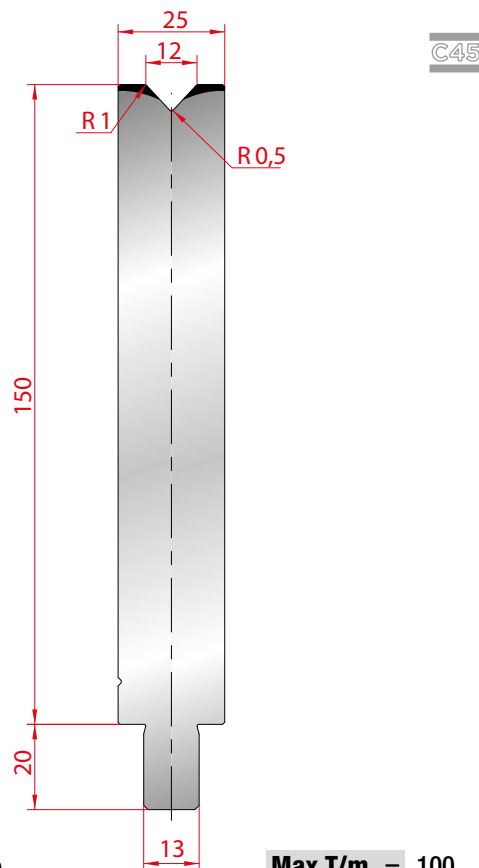
47160

Max T/m = 100



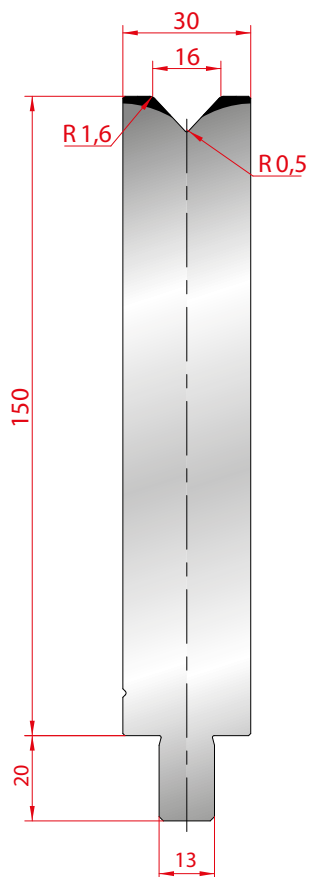
47175

Max T/m = 100



47190

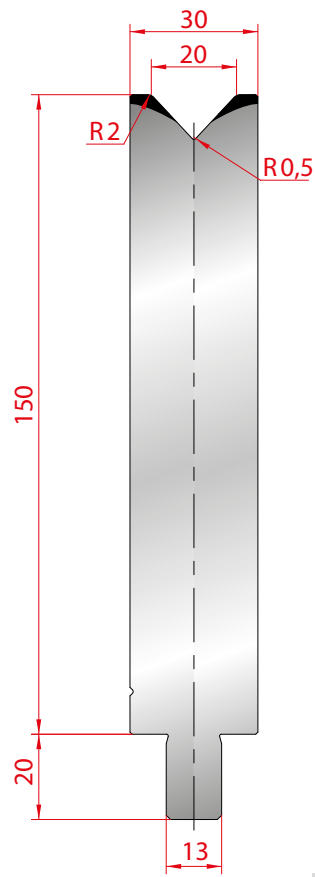
Max T/m = 100



C45

47205

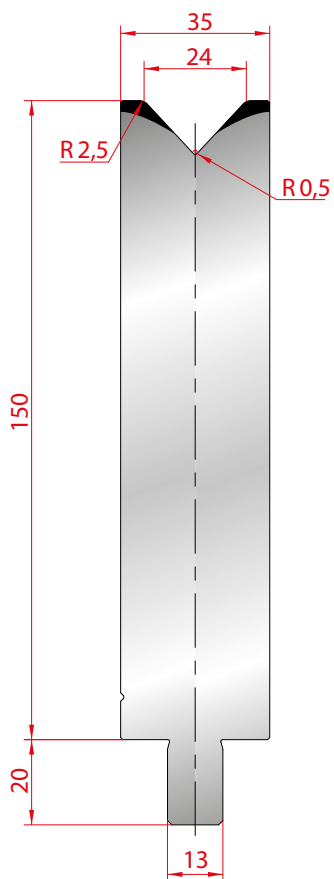
Max T/m = 100



C45

47220

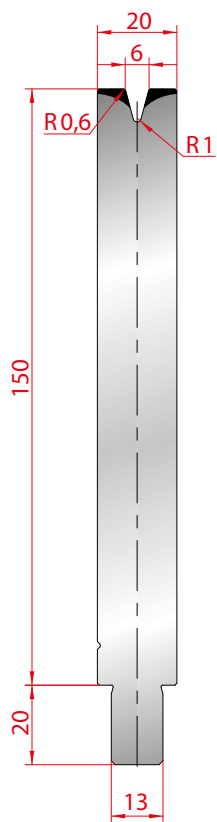
Max T/m = 100



C45

47235

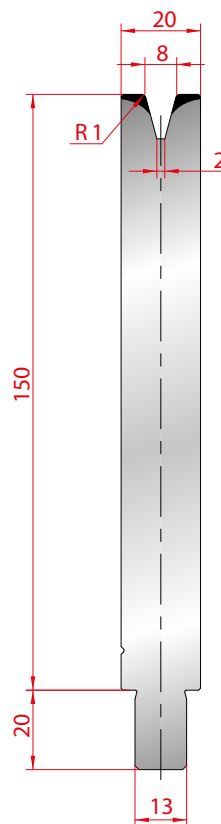
Max T/m = 100



C45

47250

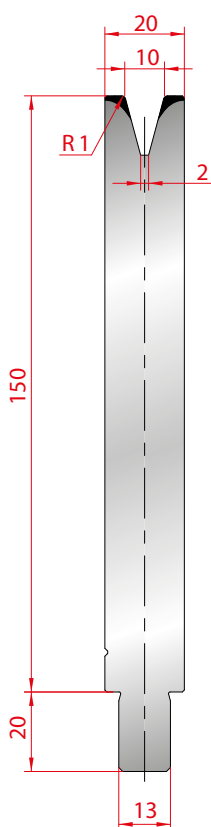
Max T/m = 50



C45

47265

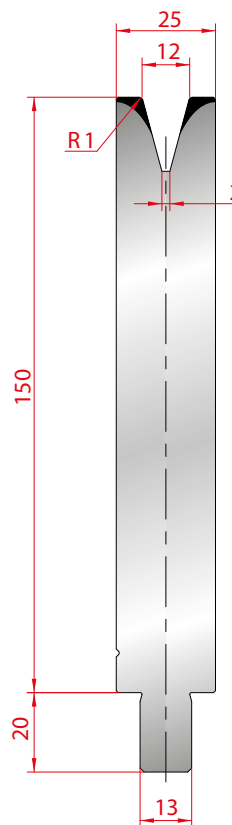
Max T/m = 40



C45

47280

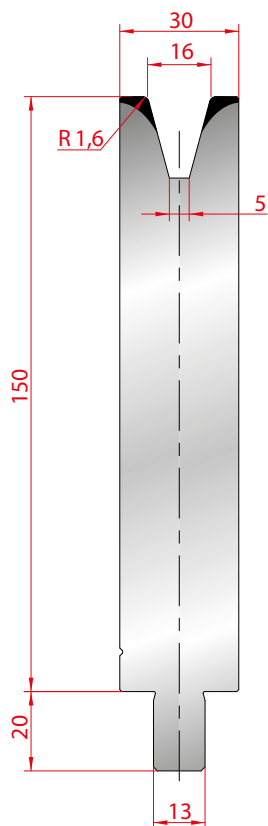
Max T/m = 40



C45

47295

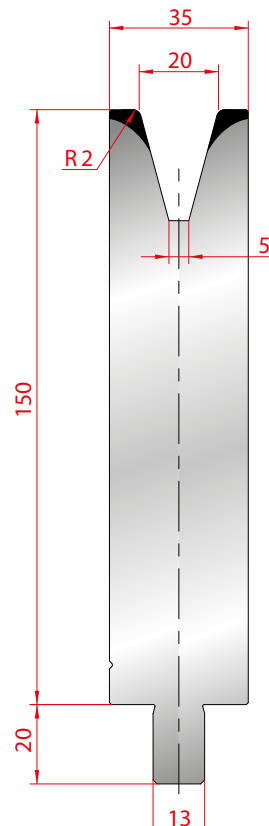
Max T/m = 50



C45

47310

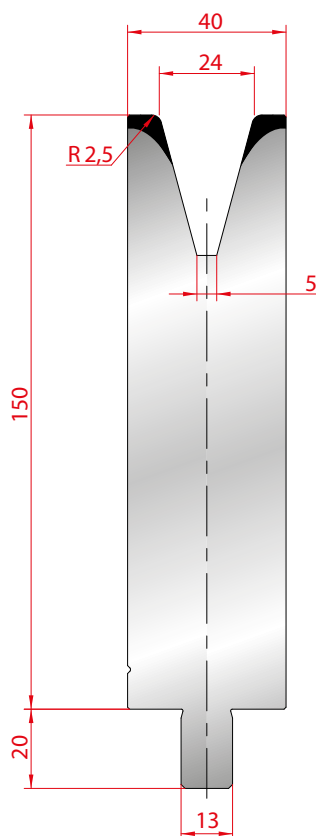
Max T/m = 45



C45

47325

Max T/m = 50



C45

47340

Max T/m = 50

ACCESSORIO PIEGASCHIACCIA FLATTENING HEMMING TOOLS ACCESSORY

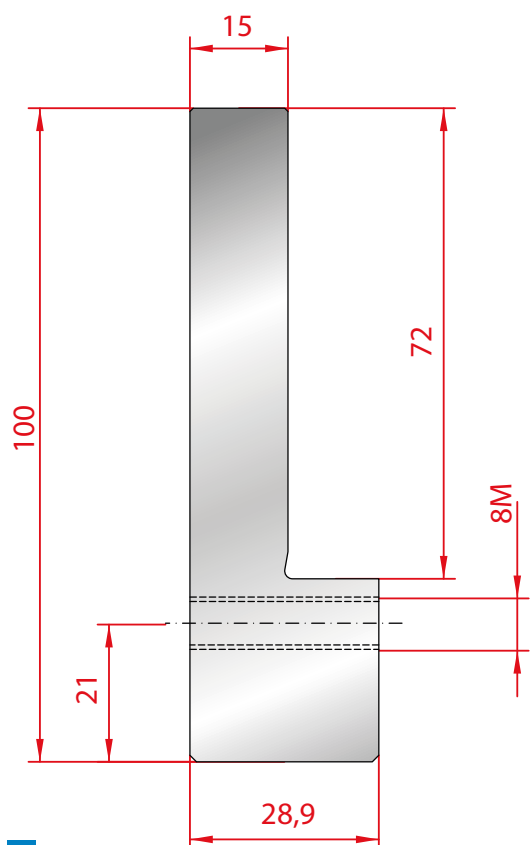


C45

64950

a = 30°
Max T/m = 40

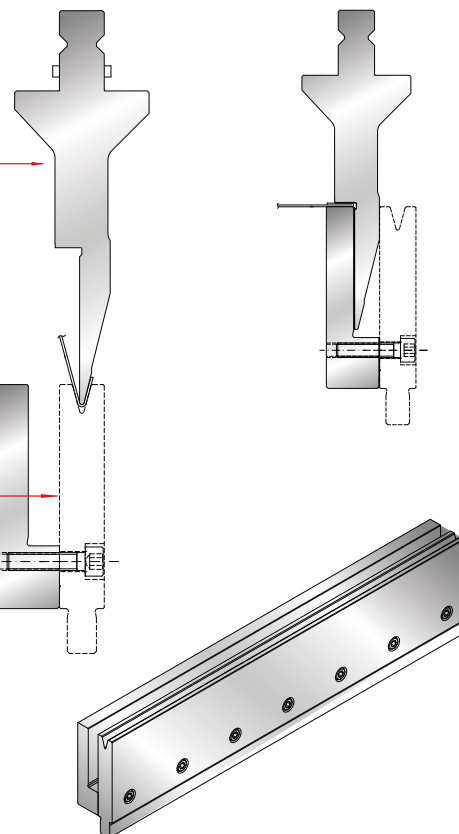
25-30 mm 35-40 mm 45-50 mm	1,0 kg
100 mm	2,6 kg
200 mm	5,2 kg
300 mm	7,8 kg
500 mm	13,0 kg
550 mm FRAZ. B/ SECT. B	13,0 kg
1050 mm FRAZ. B/ SECT. B	27,3 kg
1250 mm FRAZ. B/ SECT. B	32,5 kg
2050 mm FRAZ. B/ SECT. B	53,3 kg
2550 mm FRAZ. B/ SECT. B	55,3 kg
3050 mm FRAZ. B/ SECT. B	79,3 kg
4050 mm FRAZ. B/ SECT. B	105,3 kg

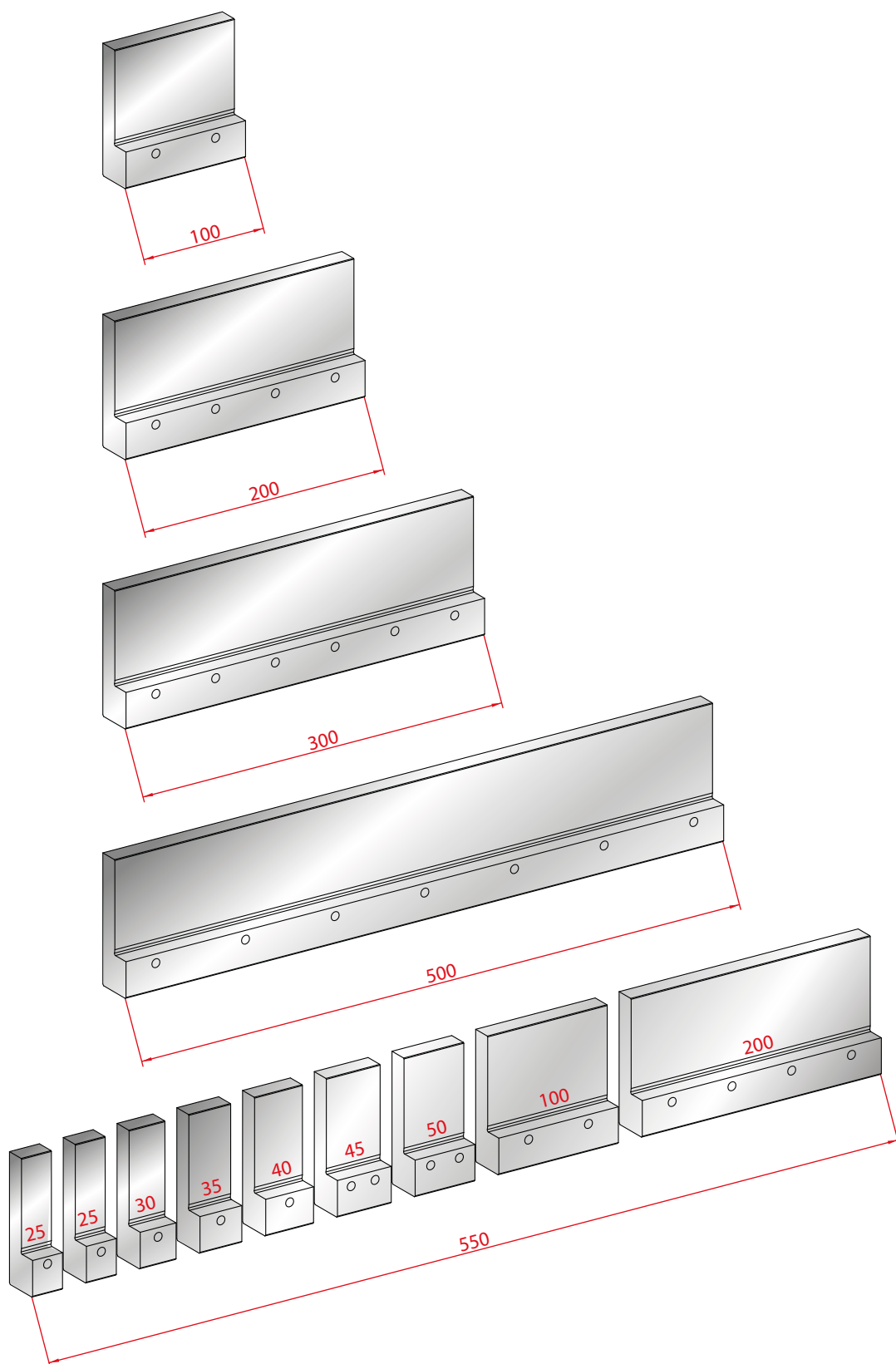


PUNZONE PIEGASCHIACCIA
HEMMING PUNCH

ACCESSORIO PER
MATRICI TRUMPF
TRUMPF FOLDING
OPTION 4303

MATRICE TRUMPF
30° H100
TRUMPF DIE
30° H100



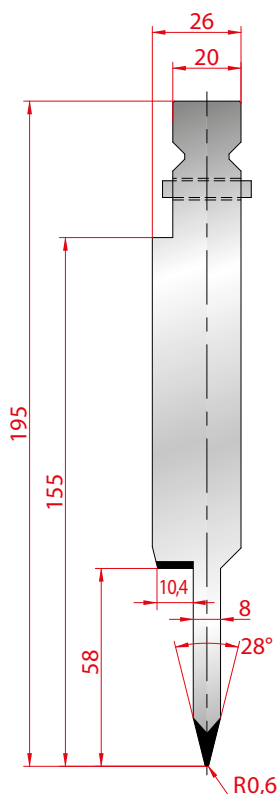


18735

Max T/m = 80

spessore max di lamiera (ferro normale) 1,2 mm
max sheet metal thickness mild steel 1,2 mm

C45
BONIFICATO
QUENCHED

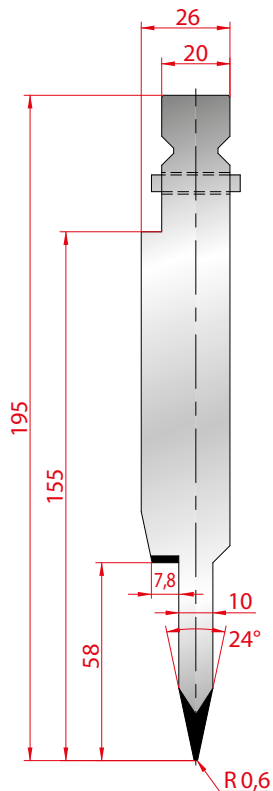


18750

Max T/m = 50

spessore max di lamiera (ferro normale) 1,5 mm
max sheet metal thickness mild steel 1,5 mm

C45
BONIFICATO
QUENCHED

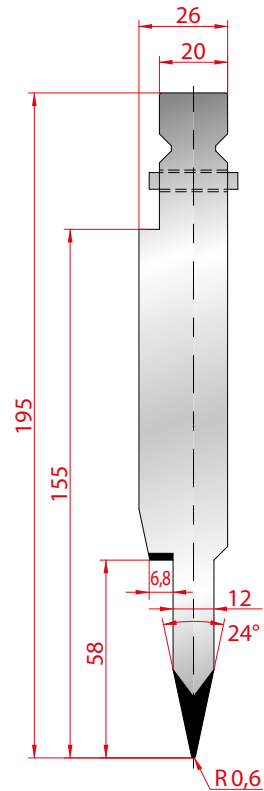


18765

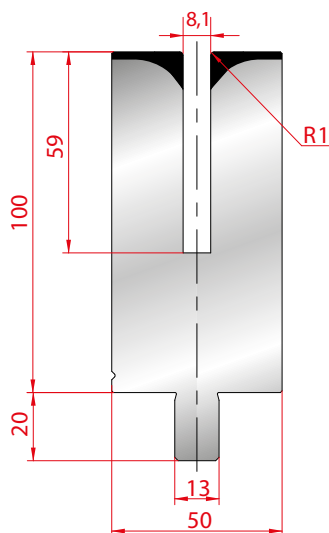
Max T/m = 50

spessore max di lamiera (ferro normale) 1,5 mm
max sheet metal thickness mild steel 1,5 mm

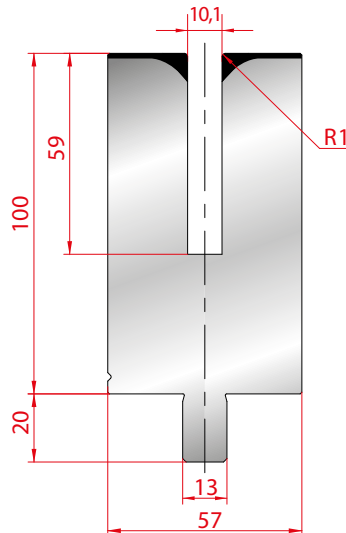
C45
BONIFICATO
QUENCHED



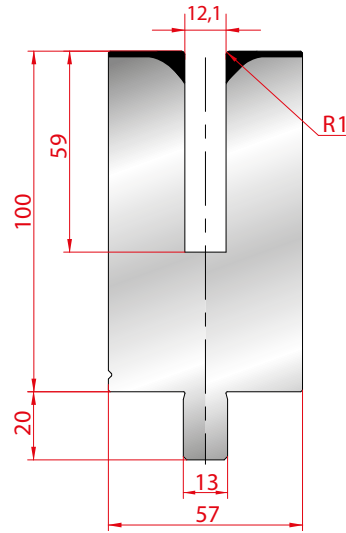
C45
BONIFICATO
QUENCHED



C45
BONIFICATO
QUENCHED



C45
BONIFICATO
QUENCHED



47355

Max T/m = 50

47610

Max T/m = 50

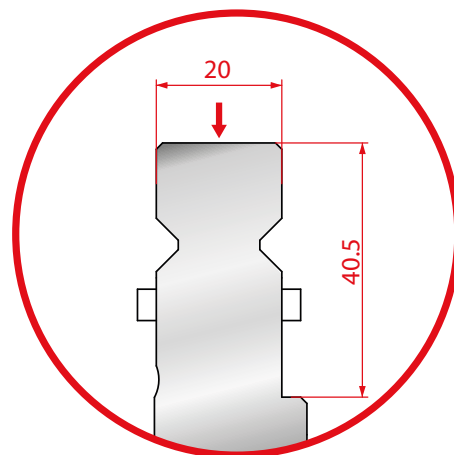
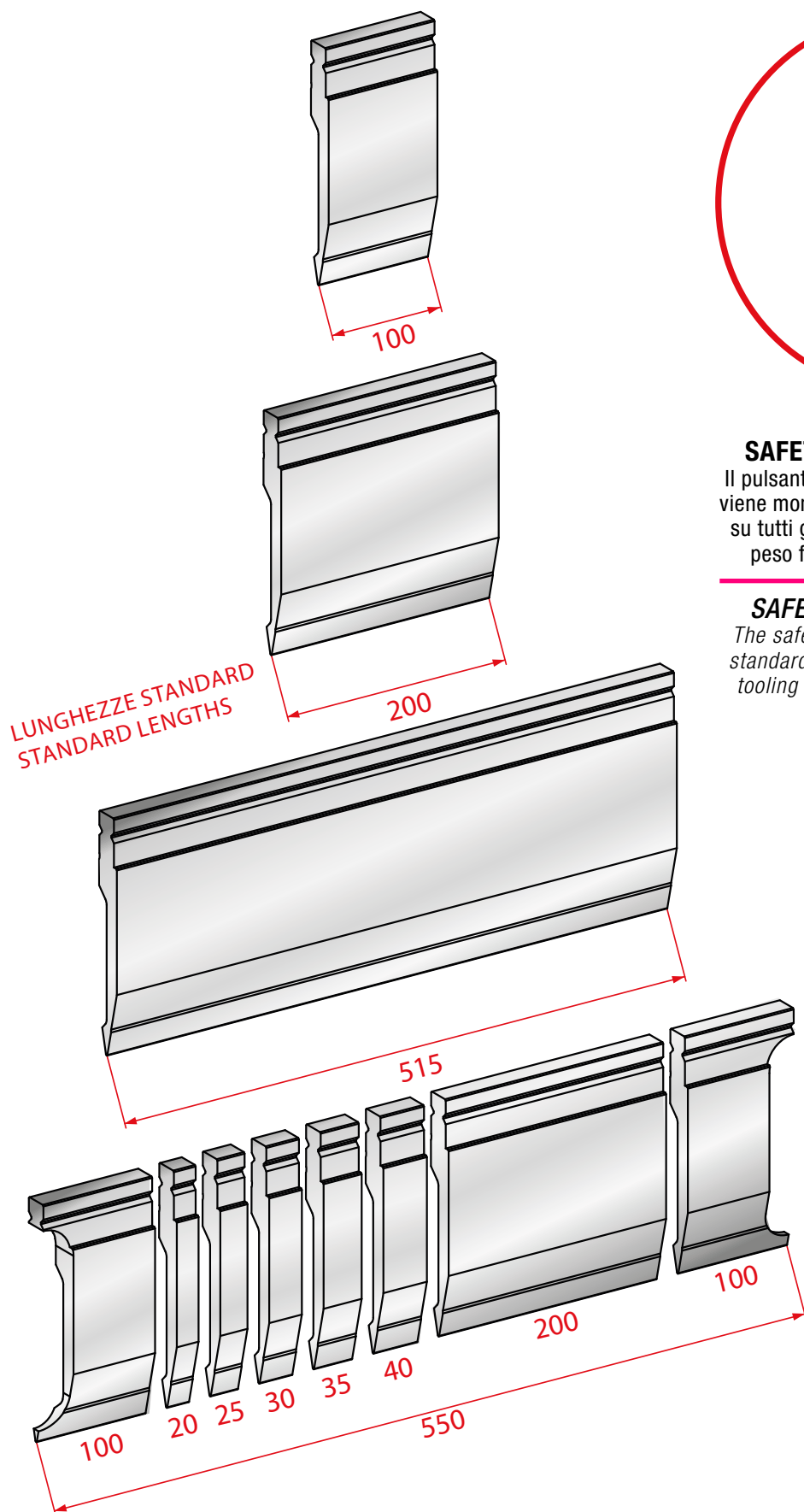
47625

Max T/m = 50



WILA

STYLE



SAFETY BUTTON

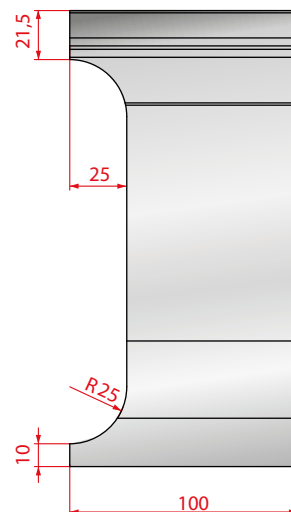
Il pulsante di sicurezza viene montato standard su tutti gli utensili con peso fino a 12,5 Kg.

SAFETY BUTTON

The safety button is a standard supply on all tooling up to 12.5 Kg weight.

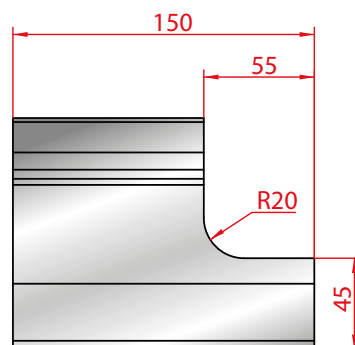
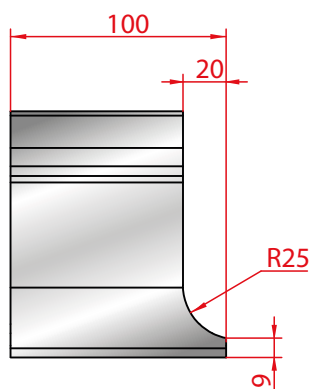


FRESATURA SCARPETTA
MILLED HORN



MODIFICHE A RICHIESTA
MODIFICATIONS ON REQUEST

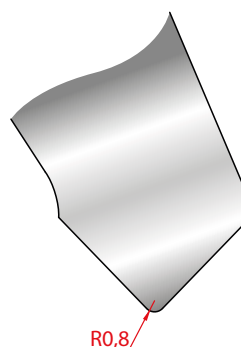
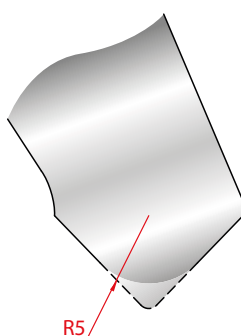
SCARPETTE SPECIALI
SPECIAL HORNS

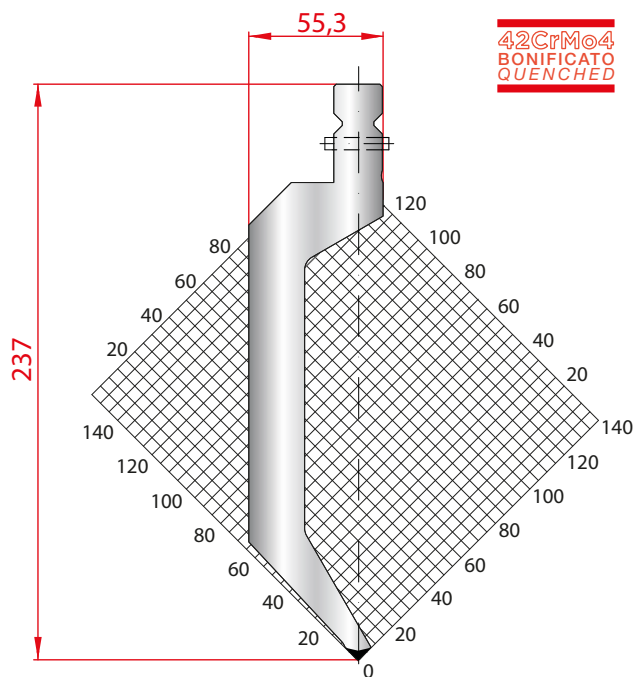


TAGLI A RICHIESTA
SPECIAL SEGMENTATION



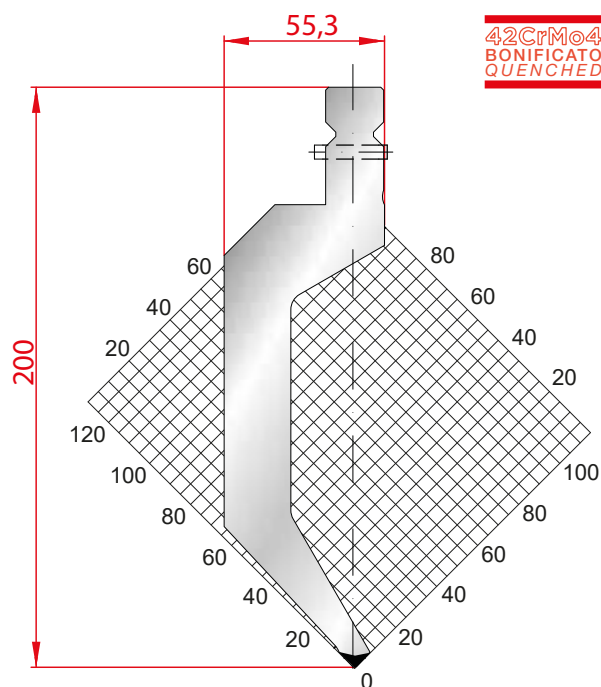
MODIFICA RAGGIO
RADIUS MODIFICATION





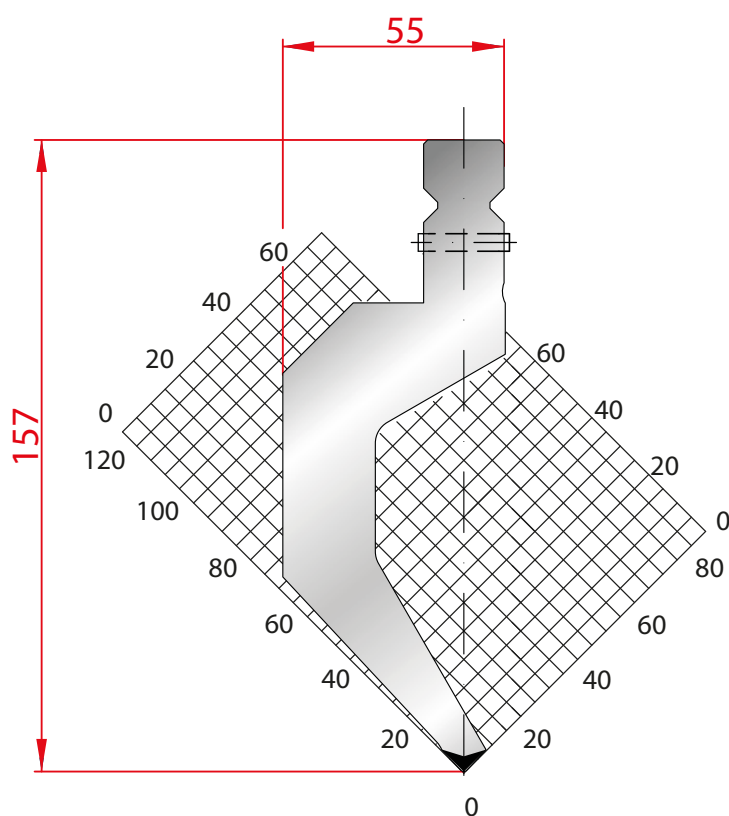
19860

$\alpha = 86^\circ$
$R = 1$
$H = 237.00$
$\text{Max T/m} = 65$



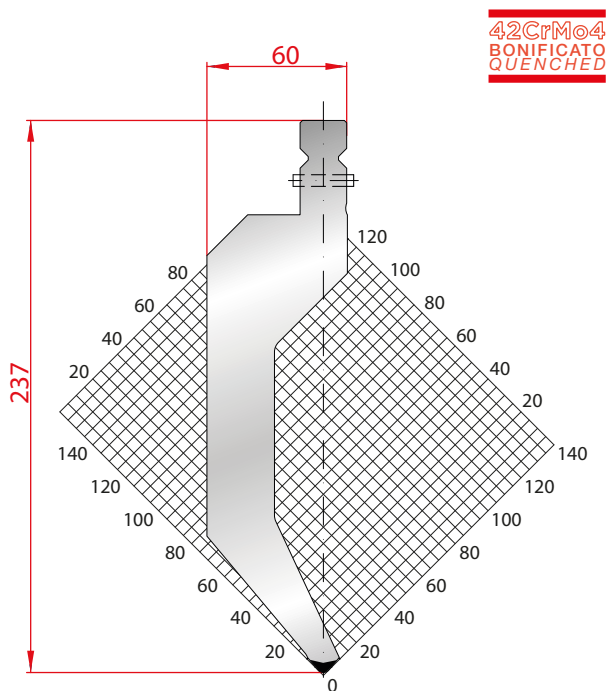
19845

$\alpha = 86^\circ$
$R = 1$
$H = 200.00$
$\text{Max T/m} = 65$



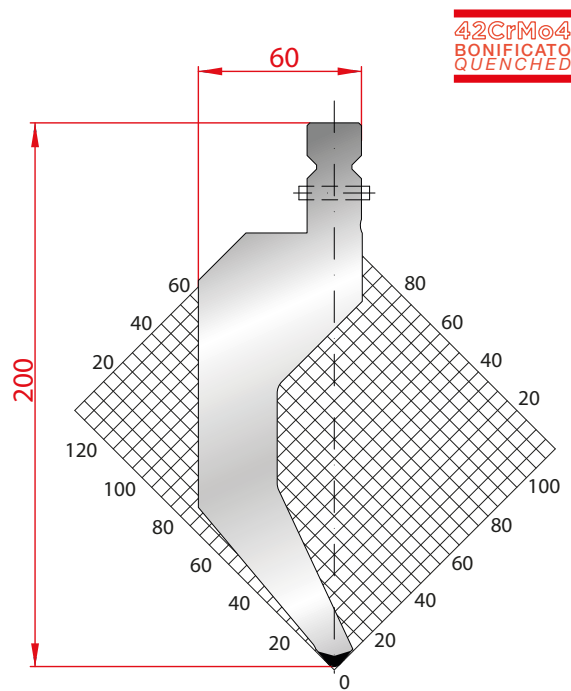
19920

$\alpha = 86^\circ$
$R = 1$
$H = 157.00$
$\text{Max T/m} = 70$



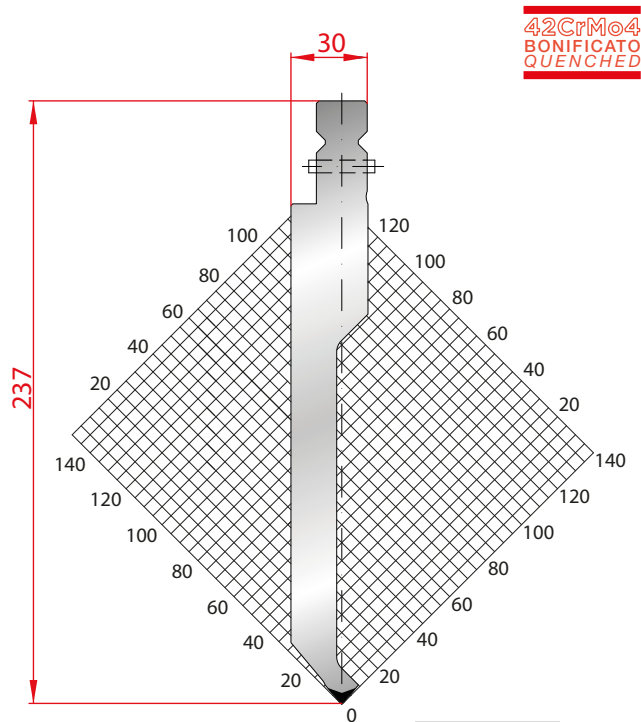
$\alpha = 80^\circ$
$R = 3$
$H = 200.00$
Max T/m = 100

19995



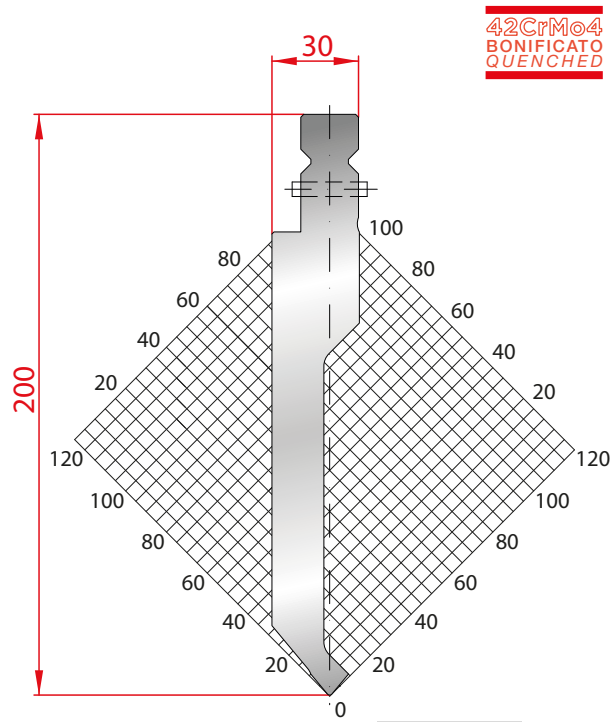
$\alpha = 80^\circ$
$R = 3$
$H = 200.00$
Max T/m = 100

19980



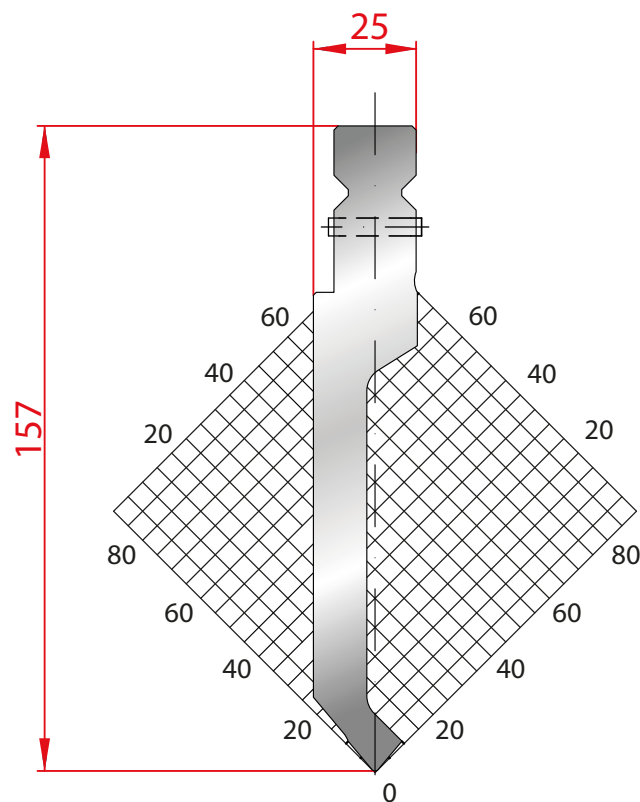
$\alpha = 80^\circ$
$R = 1$
$H = 237.00$
Max T/m = 80

19965



$\alpha = 80^\circ$
$R = 1$
$H = 200.00$
Max T/m = 80

19950

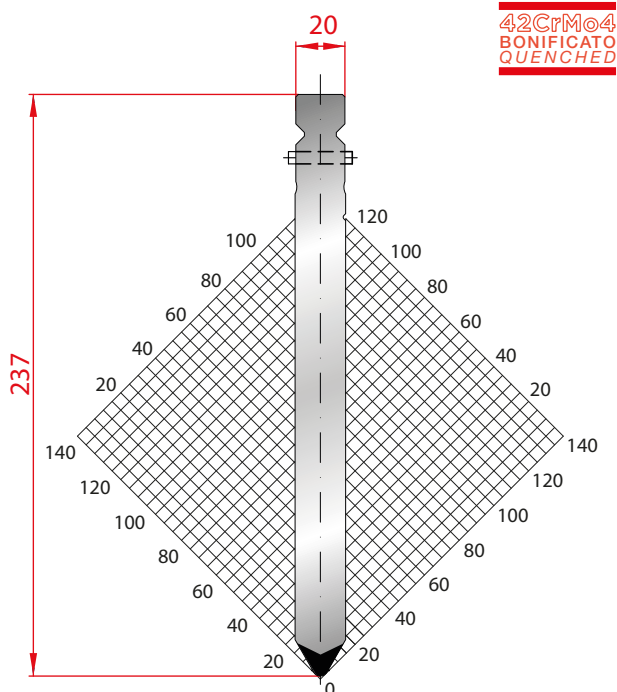


42CrMo4
BONIFICATO
QUENCHED

19935

α	= 80°
R	= 0.6
H	= 195.00
Max T/m	= 30

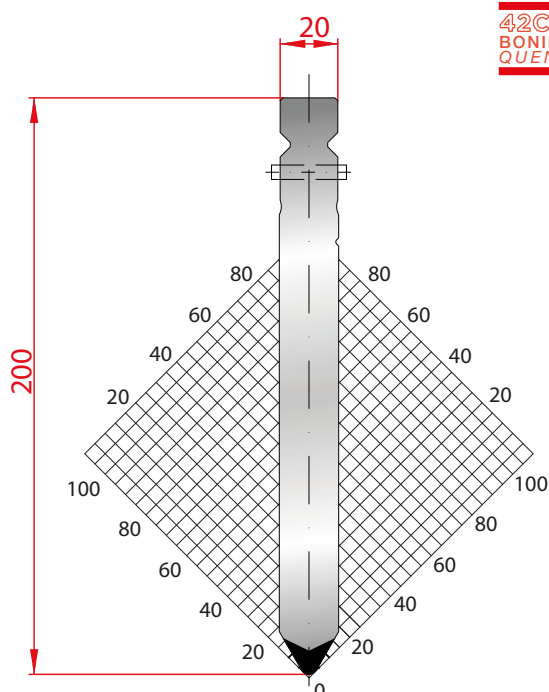




42CrMo4
BONIFICATO
QUENCHED

20040

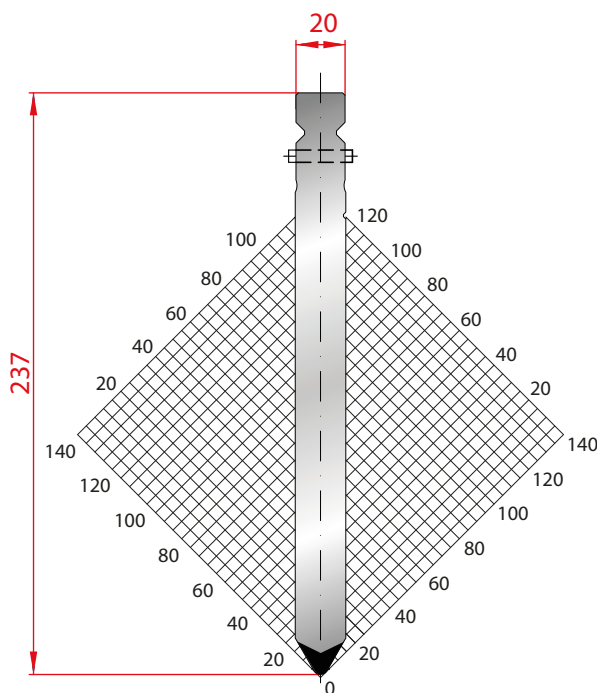
$\alpha = 60^\circ$
$R = 3$
$H = 237.00$
Max T/m = 160



42CrMo4
BONIFICATO
QUENCHED

20025

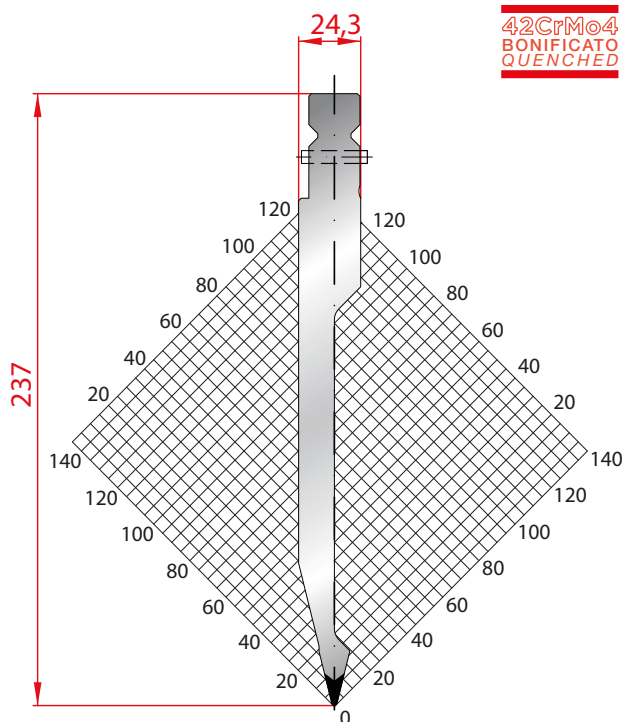
$\alpha = 60^\circ$
$R = 3$
$H = 200.00$
Max T/m = 160



42CrMo4
BONIFICATO
QUENCHED

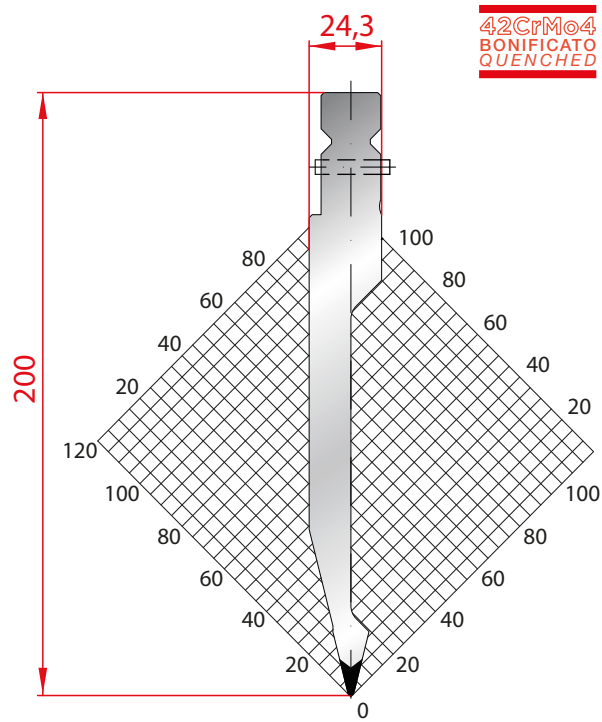
20010

$\alpha = 60^\circ$
$R = 3$
$H = 157.00$
Max T/m = 160



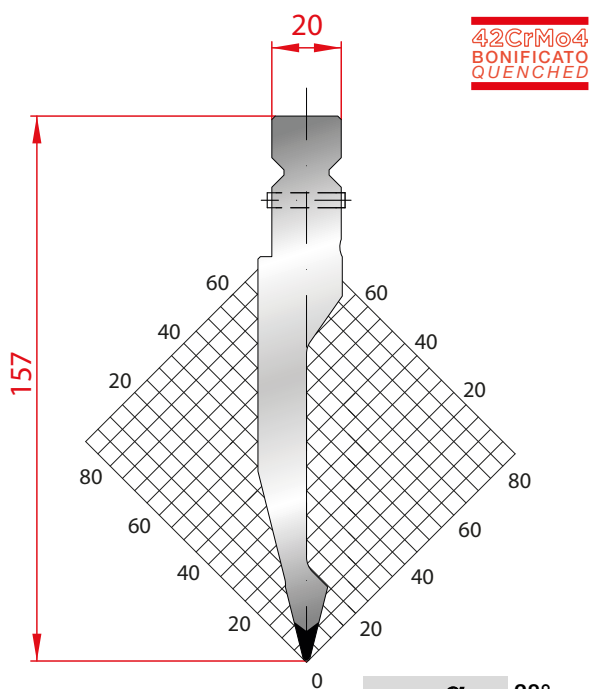
19905

$\alpha = 28^\circ$
$R = 1$
$H = 237.00$
$\text{Max T/m} = 80$



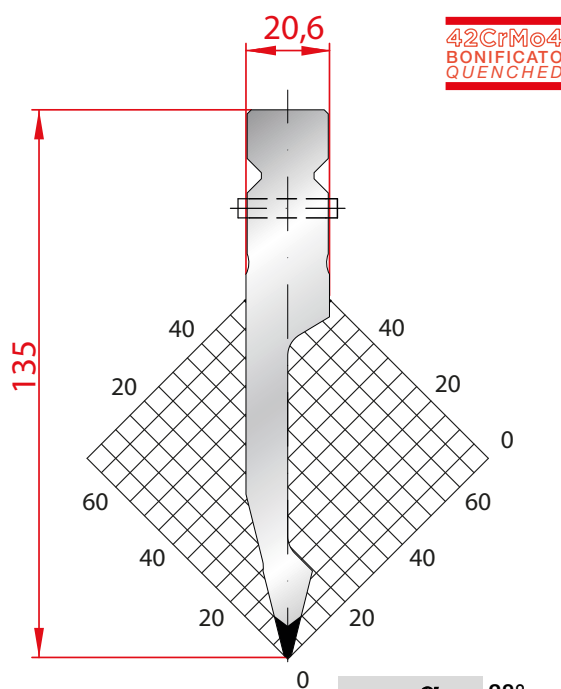
19890

$\alpha = 28^\circ$
$R = 1$
$H = 200.00$
$\text{Max T/m} = 80$



20055

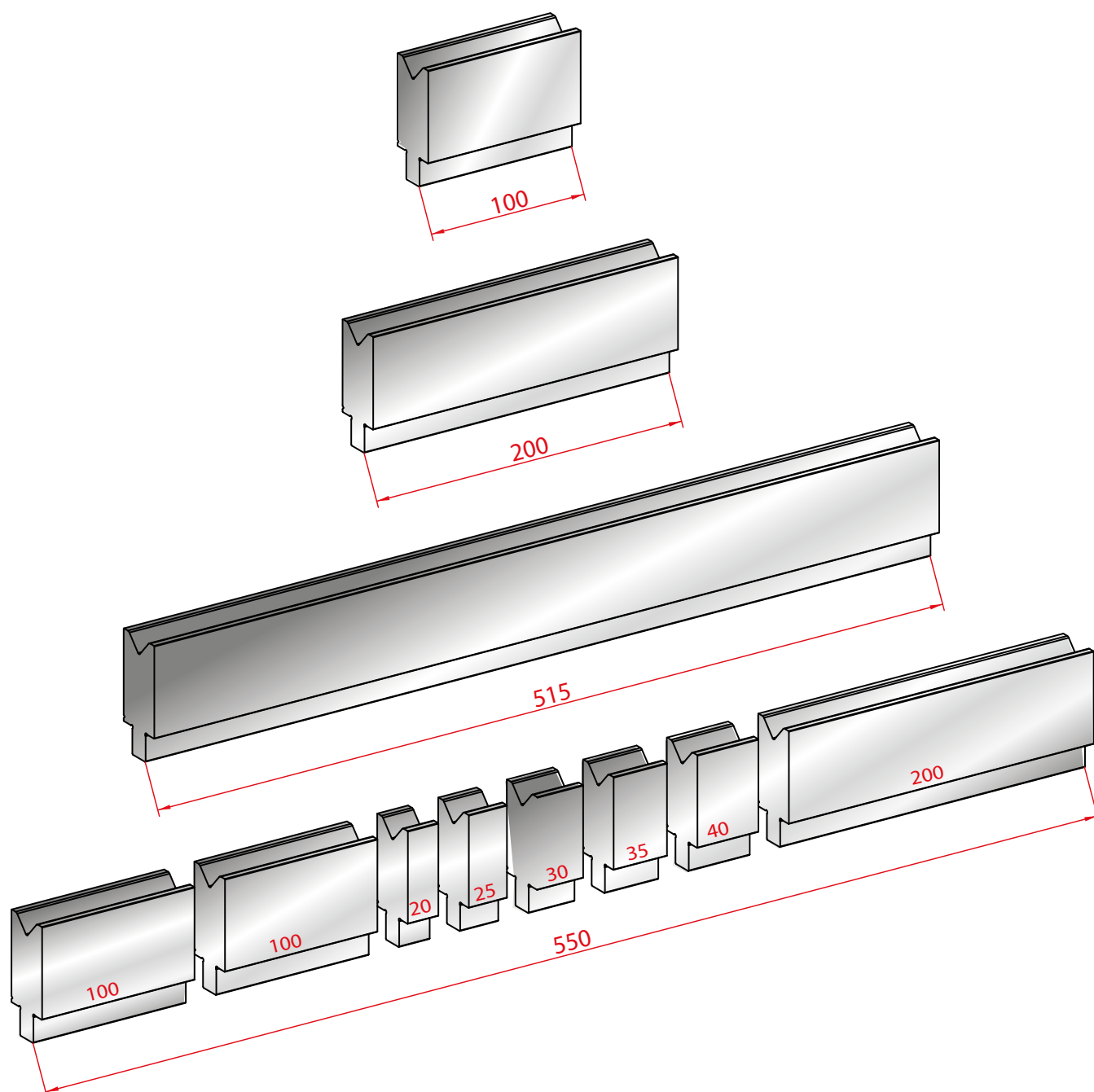
$\alpha = 28^\circ$
$R = 1$
$H = 157.00$
$\text{Max T/m} = 100$



19875

$\alpha = 28^\circ$
$R = 1$
$H = 135.00$
$\text{Max T/m} = 100$

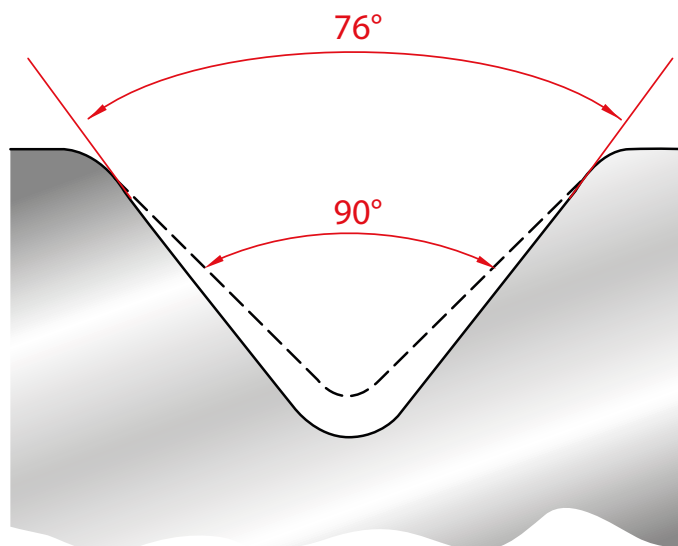
FRAZIONATURA STANDARD
STANDARD SEGMENTATION



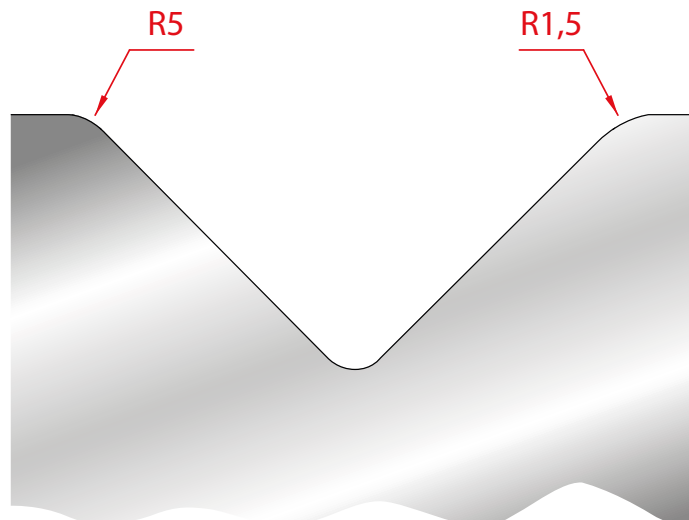
MODIFICHE A RICHIESTA
MODIFICATIONS ON REQUEST

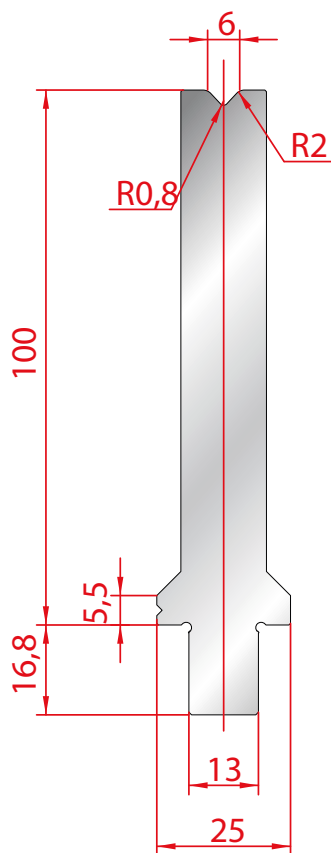


MODIFICA ANGOLO
ANGLES MODIFICATION



MODIFICA RAGGIO
RADIUS MODIFICATION

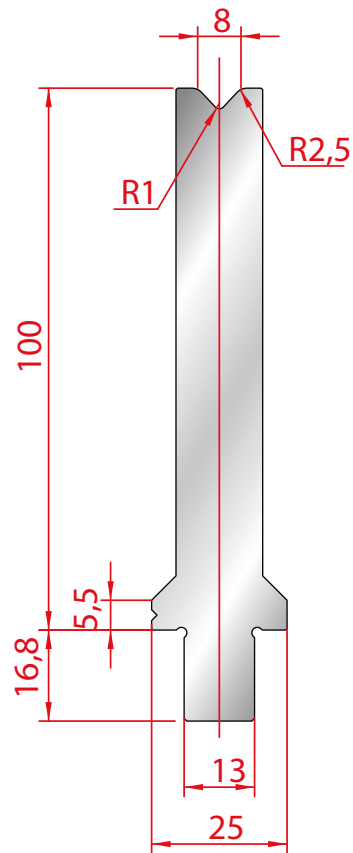




42CrMo4
BONIFICATO
QUENCHED

49050

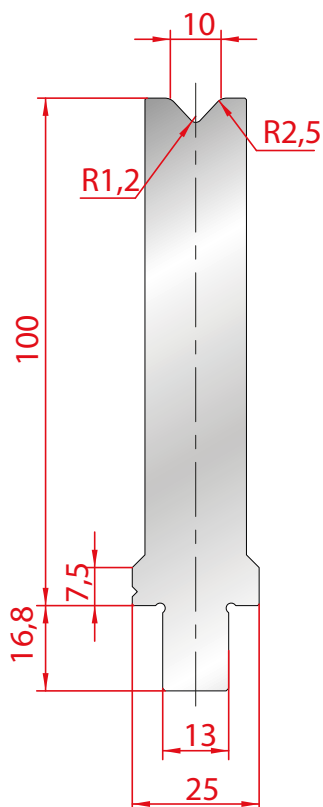
$\alpha = 86^\circ$
H = 100.00
Max T/m = 120



42CrMo4
BONIFICATO
QUENCHED

49065

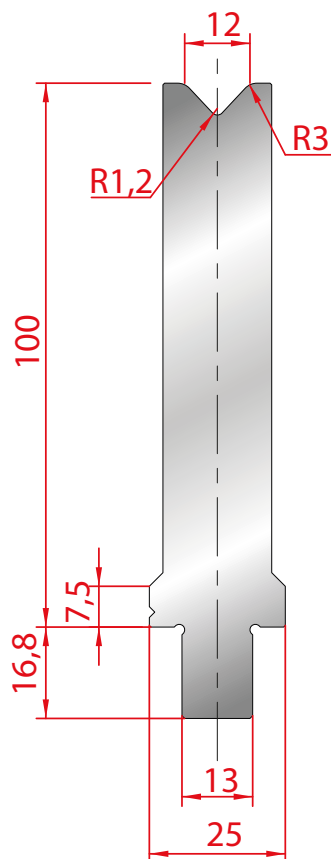
$\alpha = 86^\circ$
H = 100.00
Max T/m = 120



42CrMo4
BONIFICATO
QUENCHED

49080

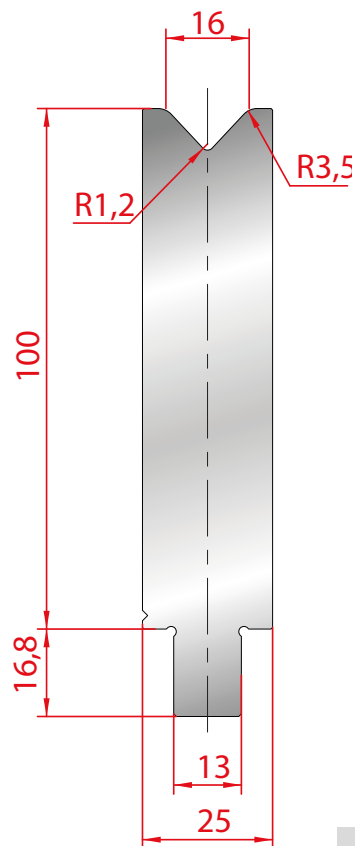
$\alpha = 86^\circ$
H = 100.00
Max T/m = 120



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 86^\circ$
H = 100.00
Max T/m = 120

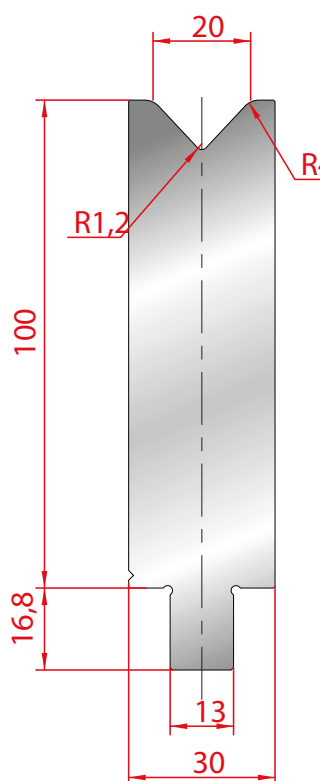
49095



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 86^\circ$
H = 100.00
Max T/m = 120

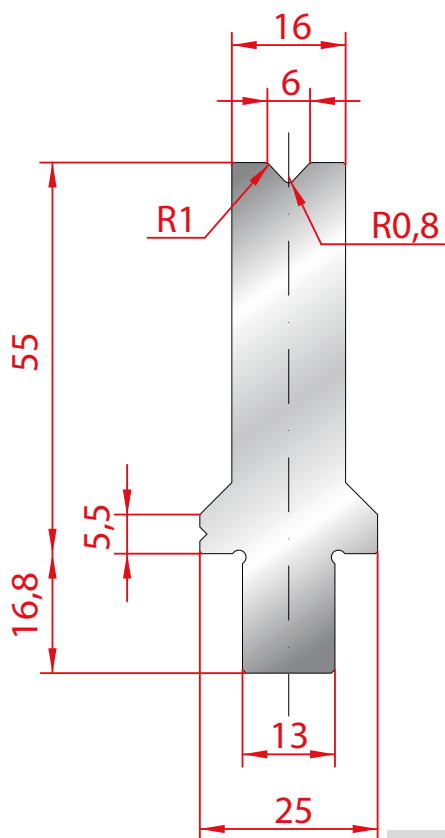
49110



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 86^\circ$
H = 100.00
Max T/m = 120

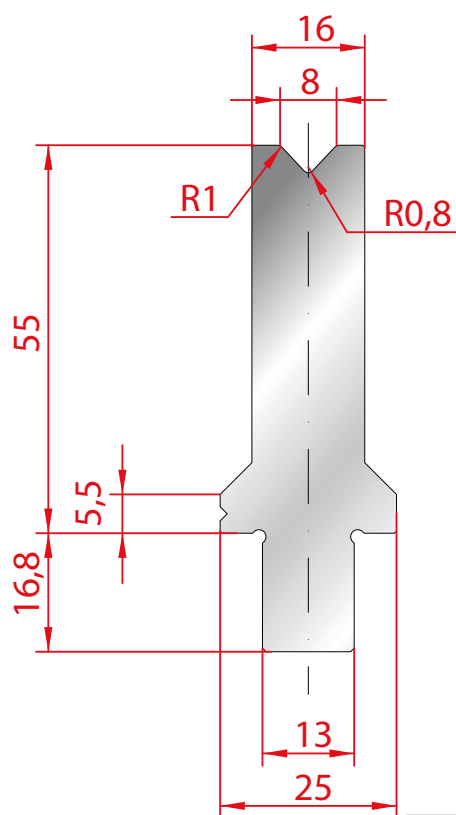
49125



42CrMo4
BONIFICATO
QUENCHED

α	=	86°
H	=	55.00
Max T/m	=	120

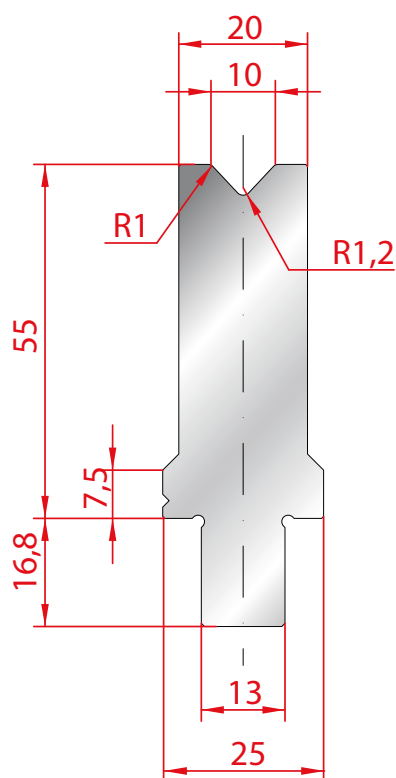
48750



42CrMo4
BONIFICATO
QUENCHED

$\alpha =$	86°
$H =$	55.00
Max T/m =	120

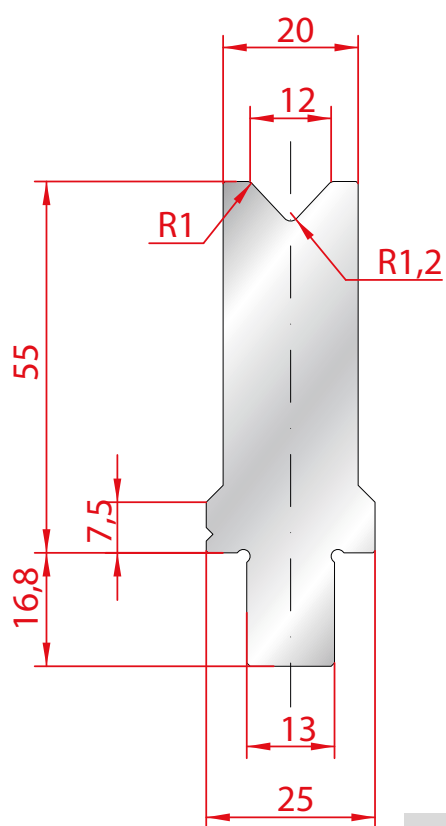
48765



42CrMo4
BONIFICATO
QUENCHED

$\alpha =$	86°
H =	55.00
Max T/m =	120

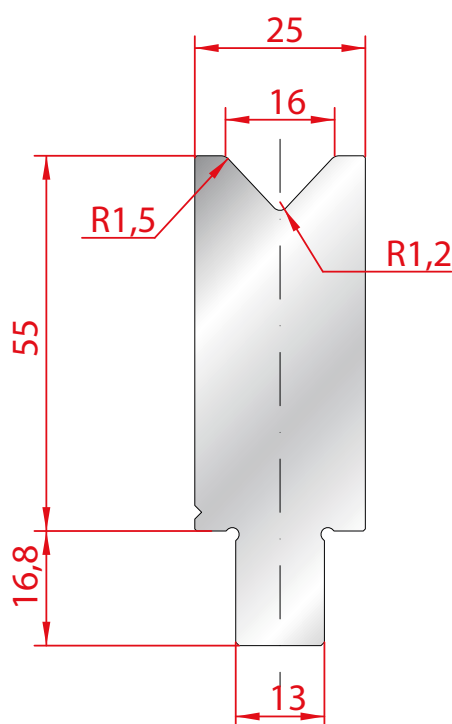
48780



42CrMo4
BONIFICATO
QUENCHED

48795

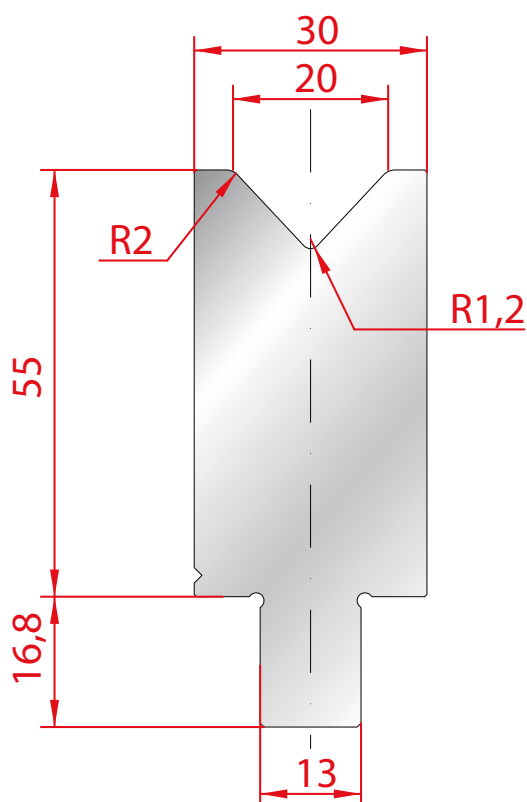
α	= 86°
H	= 55.00
Max T/m	= 120



42CrMo4
BONIFICATO
QUENCHED

48810

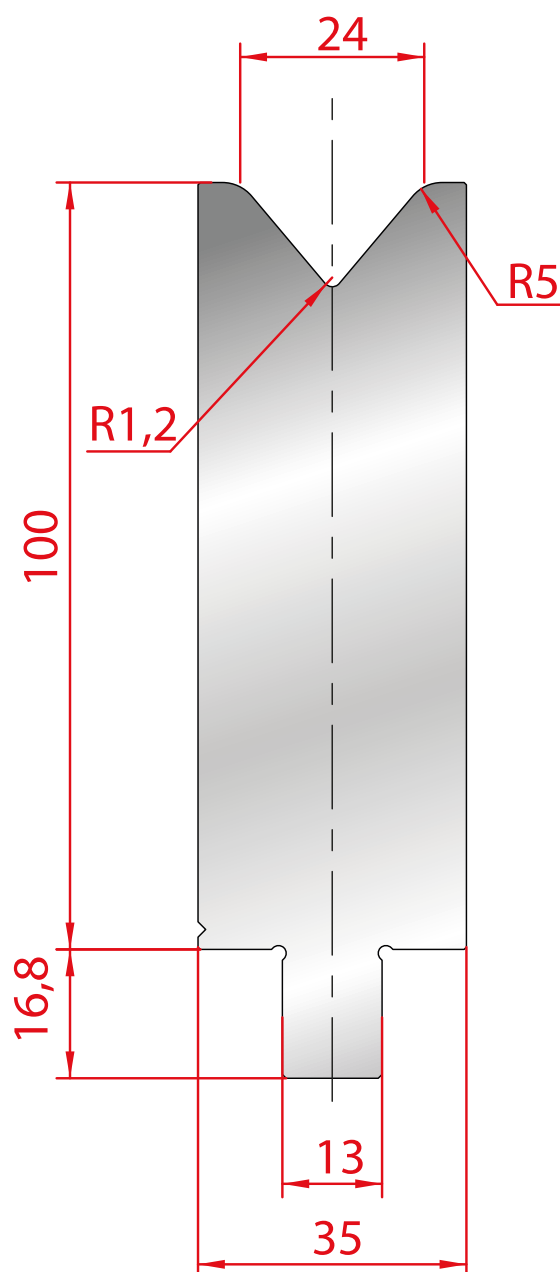
α	= 86°
H	= 55.00
Max T/m	= 120

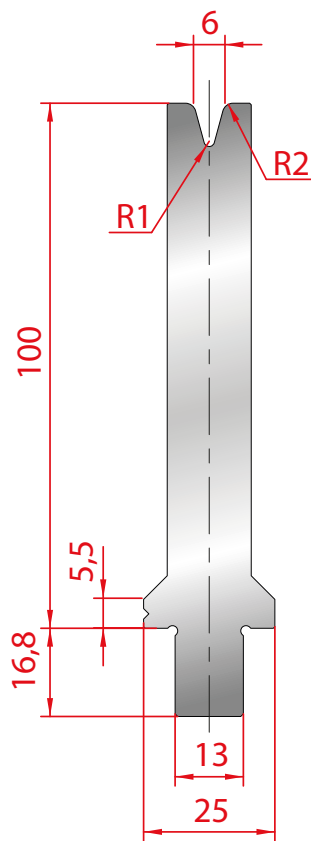


42CrMo4
BONIFICATO
QUENCHED

48825

α	= 86°
H	= 55.00
Max T/m	= 120

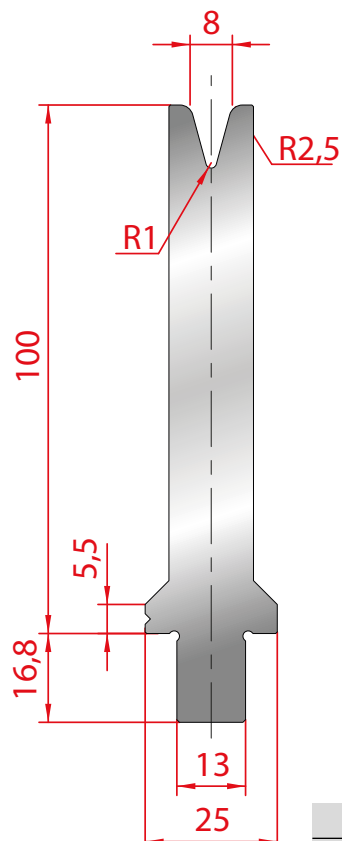




42CrMo4
BONIFICATO
QUENCHED

$\alpha = 30^\circ$
H = 100.00
Max T/m = 40

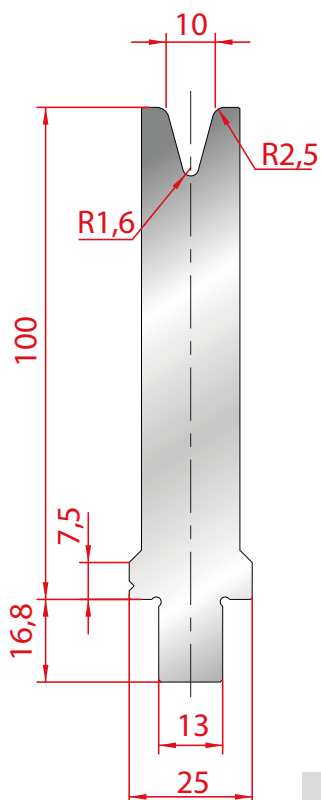
49200



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 30^\circ$
H = 100.00
Max T/m = 35

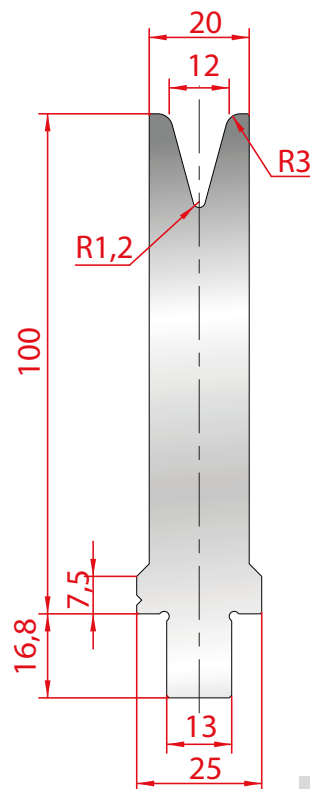
49215



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 30^\circ$
H = 100.00
Max T/m = 55

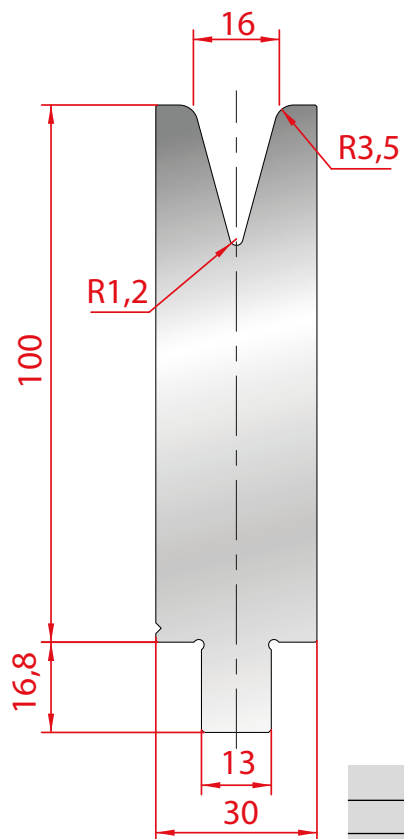
49230



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 30^\circ$
H = 100.00
Max T/m = 40

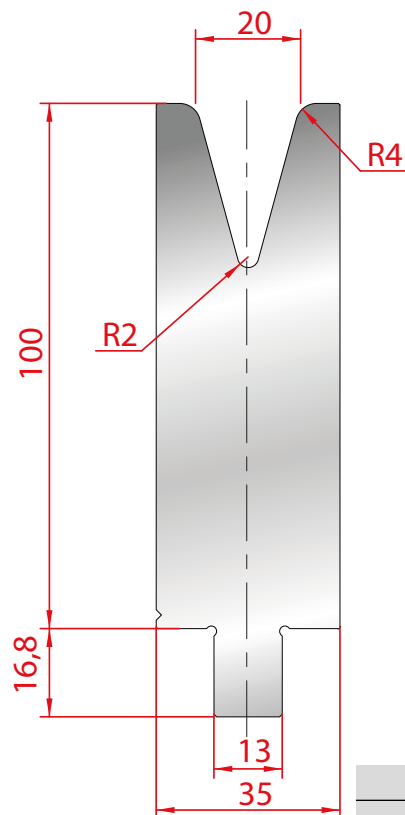
49245



42CrMo4
BONIFICATO
QUENCHED

49260

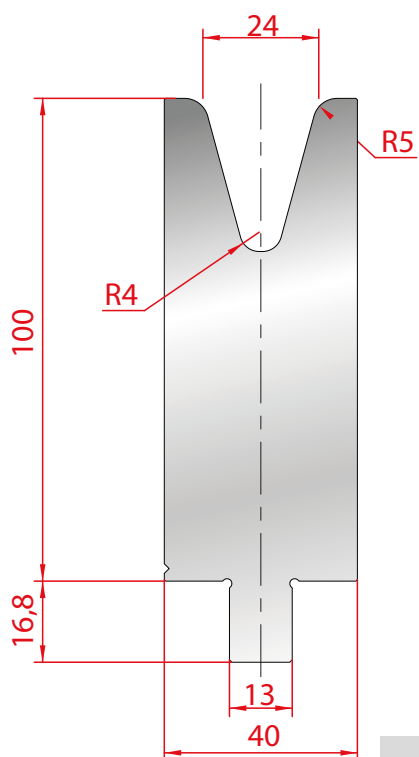
$\alpha = 30^\circ$
H = 100.00
Max T/m = 40



42CrMo4
BONIFICATO
QUENCHED

49275

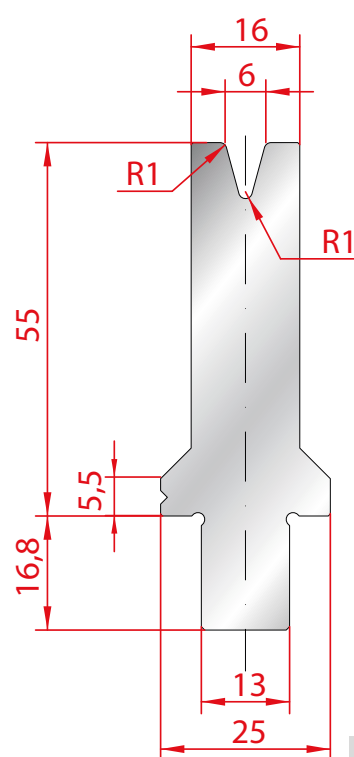
$\alpha = 30^\circ$
H = 100.00
Max T/m = 45



42CrMo4
BONIFICATO
QUENCHED

49290

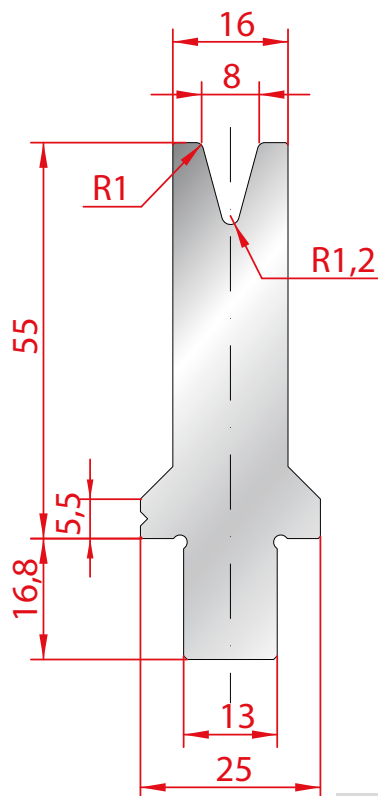
$\alpha = 30^\circ$
H = 100.00
Max T/m = 40



42CrMo4
BONIFICATO
QUENCHED

48900

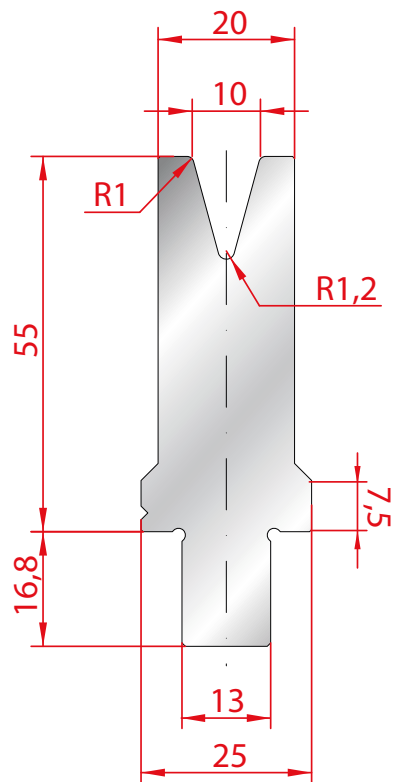
$\alpha = 30^\circ$
H = 55.00
Max T/m = 40



42CrMo4
BONIFICATO
QUENCHED

48915

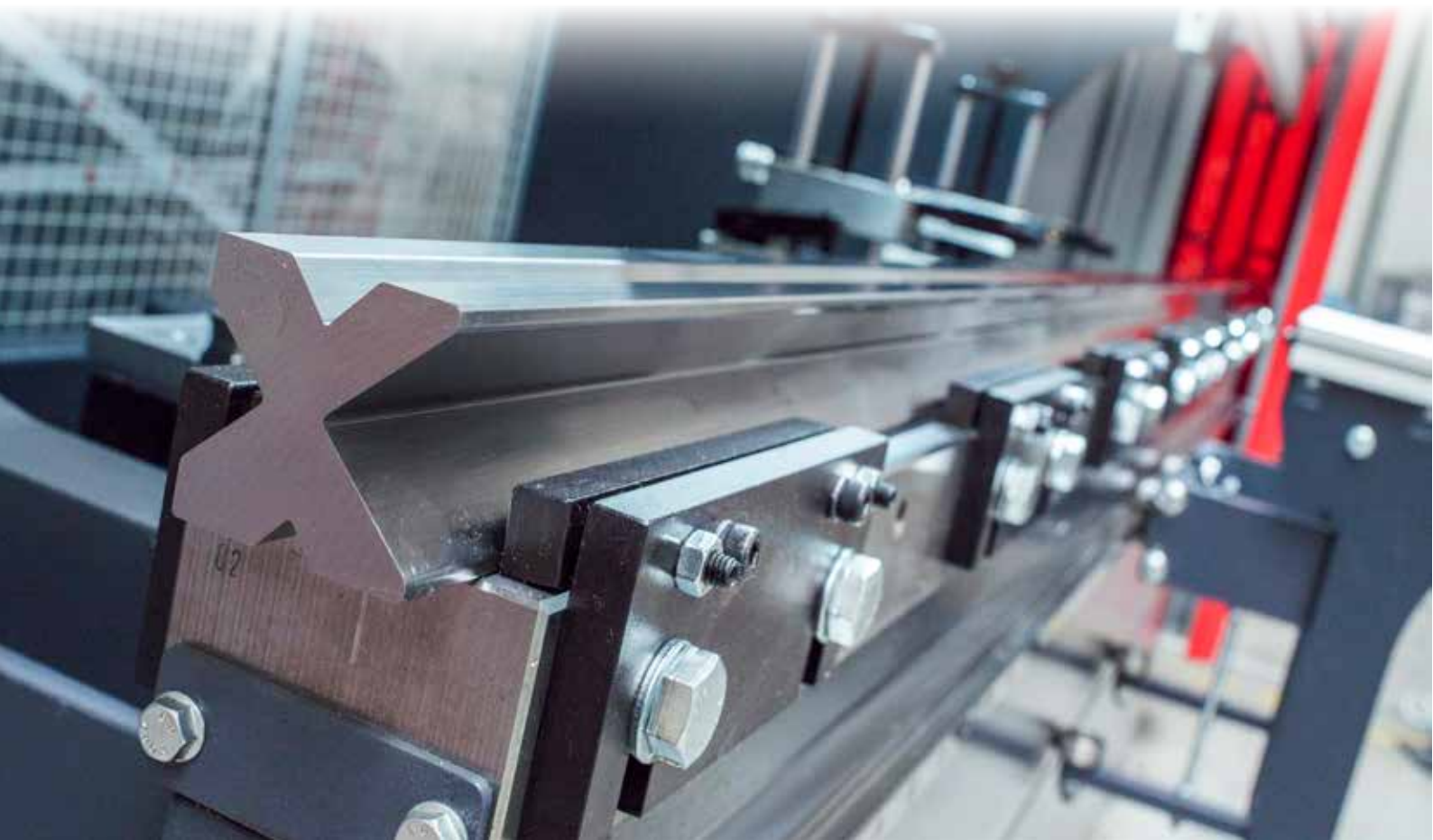
α	= 30°
H	= 55.00
Max T/m	= 35

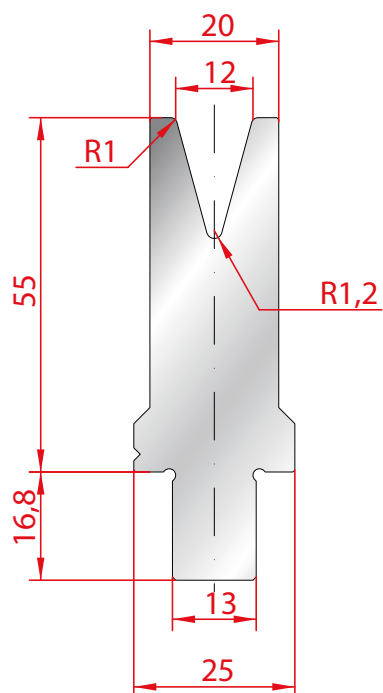


42CrMo4
BONIFICATO
QUENCHED

48930

α	= 30°
H	= 55.00
Max T/m	= 55

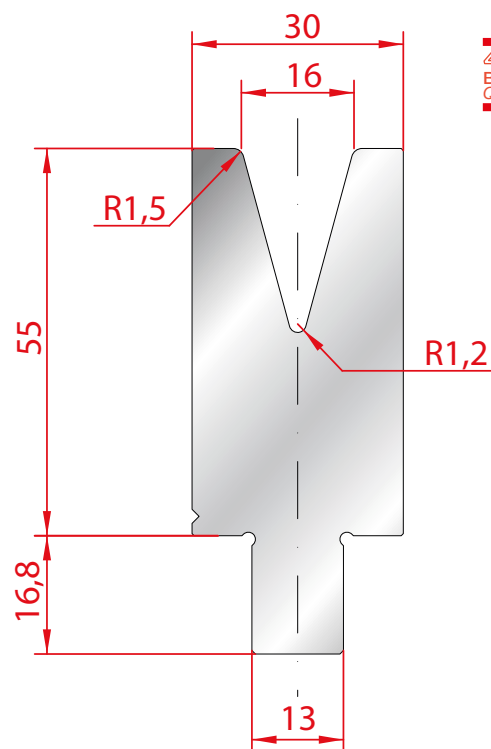




42CrMo4
BONIFICATO
QUENCHED

$\alpha = 30^\circ$
H = 55.00
Max T/m = 40

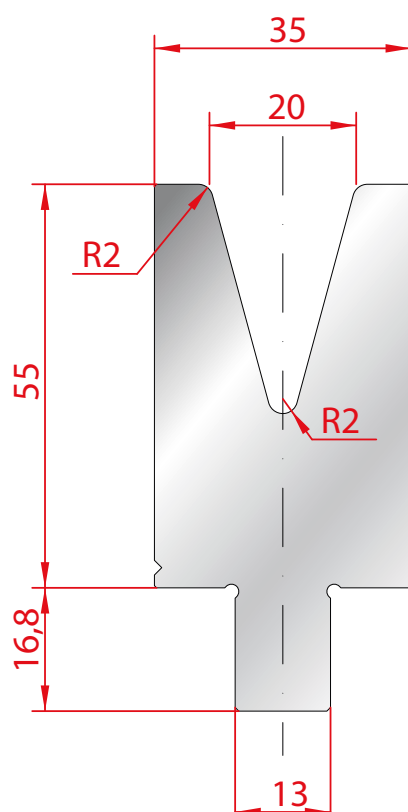
48945



42CrMo4
BONIFICATO
QUENCHED

$\alpha = 30^\circ$
H = 55.00
Max T/m = 60

48960



$\alpha = 30^\circ$
H = 55.00
Max T/m = 55

48975

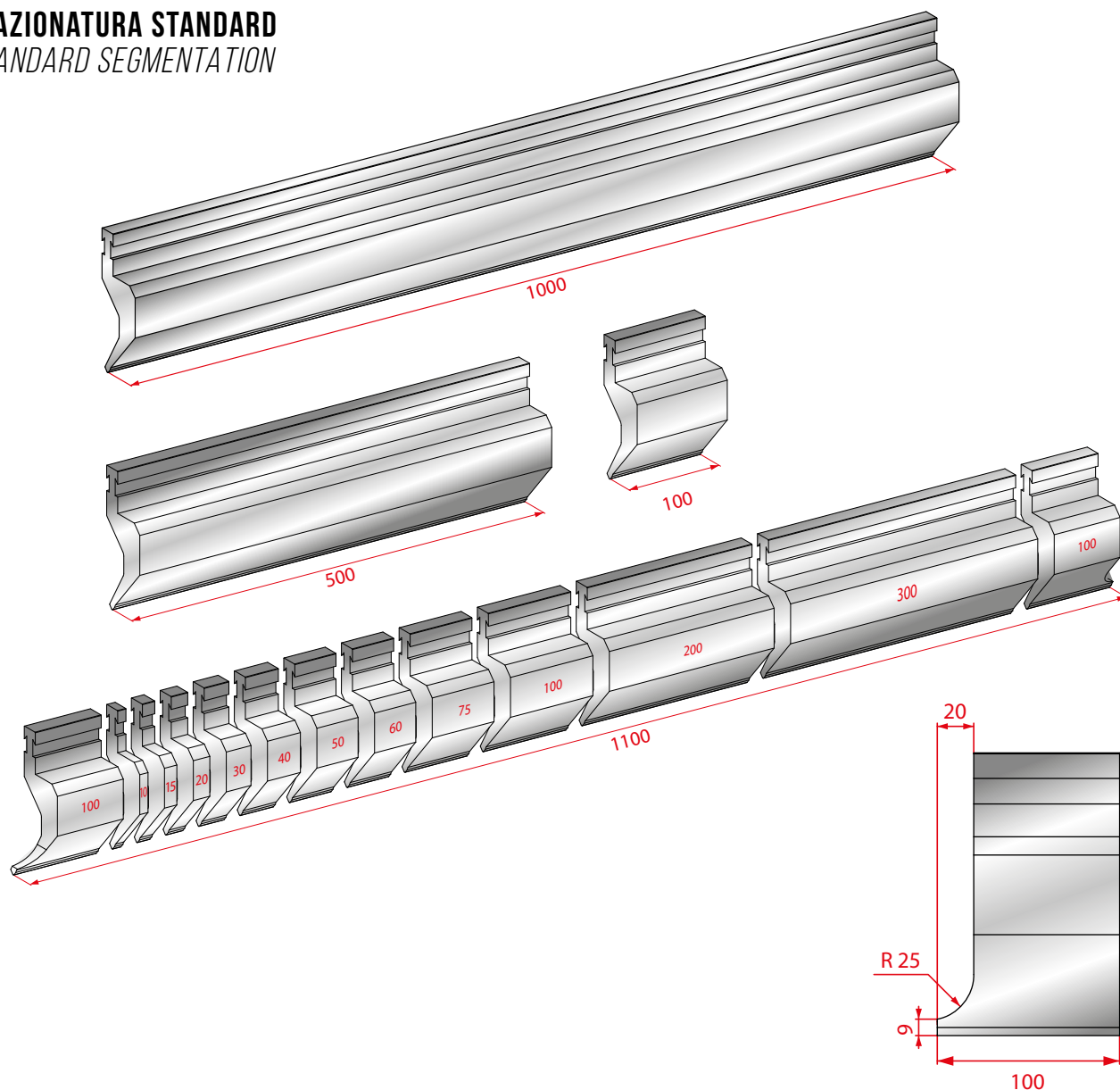




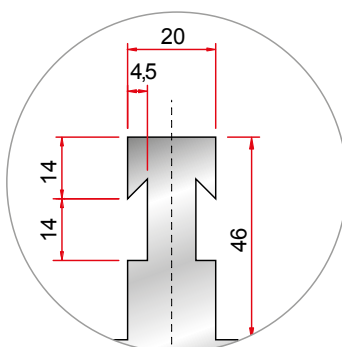
BYSTRONIC

BYSTRONIC STYLE

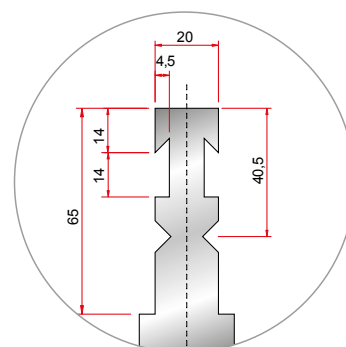
FRAZIONATURA STANDARD
STANDARD SEGMENTATION



FRESATURA SCARPETTA
MILLED HORN

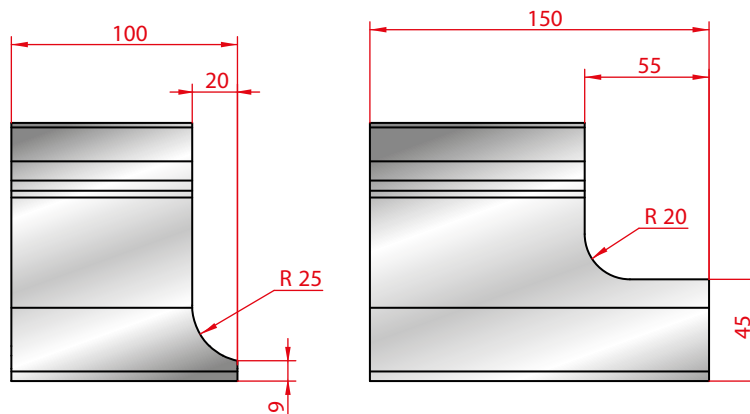


BYSTRONIC R
pagina
page **94**



BYSTRONIC RF-A
pagina
page **97**

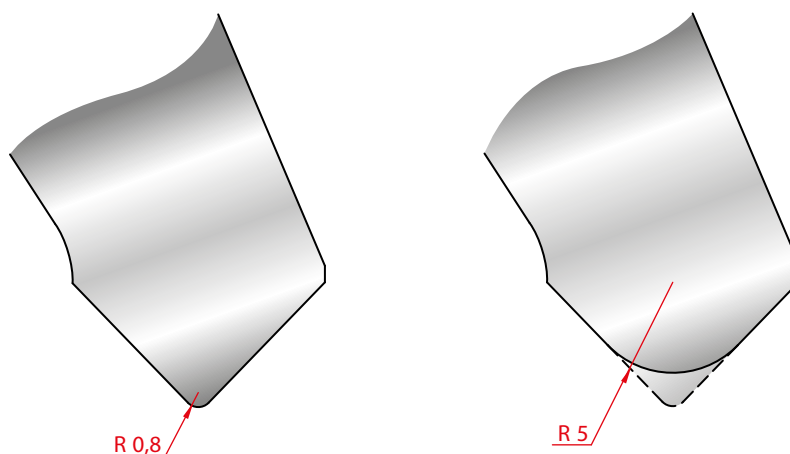
SCARPETTE SPECIALI
SPECIAL HORNS

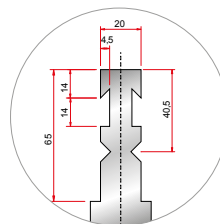
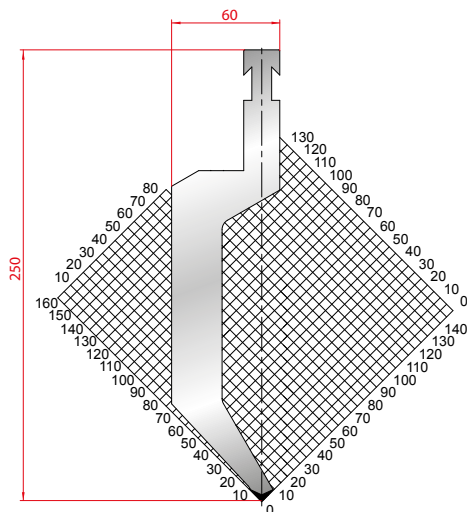


TAGLI A RICHIESTA
SPECIAL SEGMENTATION



MODIFICA RAGGIO
RADIUS MODIFICATION



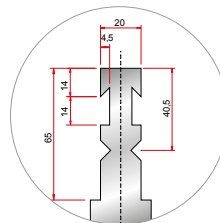
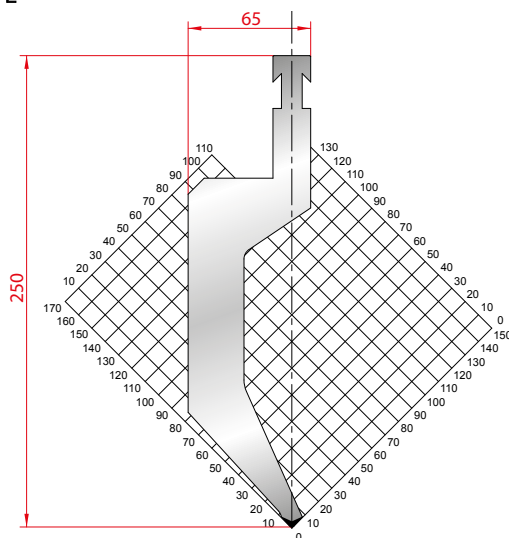


42CrMo4
BONIFICATO
QUENCHED

ATTACCO RF-A
incluso su richiesta
RF-A TANG
included on demand

α	= 86°
R	= 1.5
H	= 250.00
Max T/m	= 60

19470

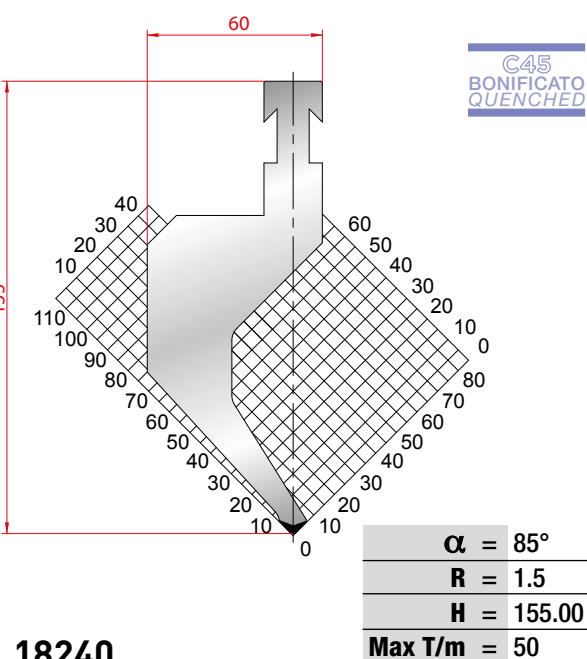


42CrMo4
BONIFICATO
QUENCHED

ATTACCO RF-A
incluso su richiesta
RF-A TANG
included on demand

α	= 86°
R	= 1.5
H	= 250.00
Max T/m	= 100

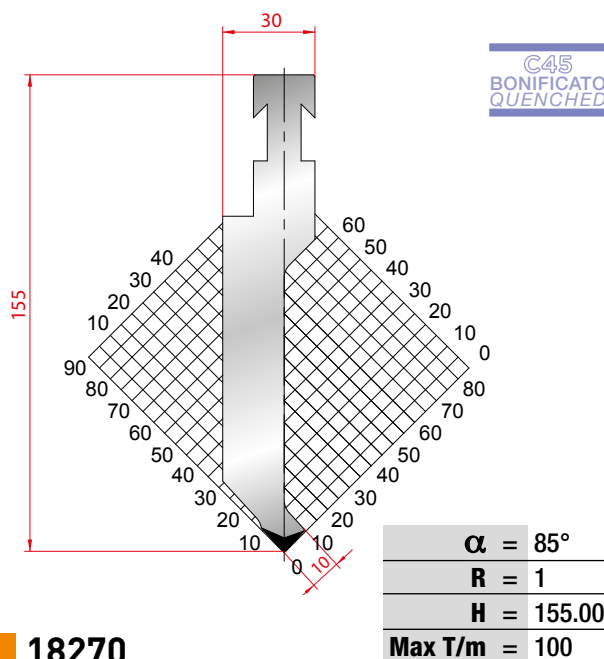
19815



C45
BONIFICATO
QUENCHED

α	= 85°
R	= 1.5
H	= 155.00
Max T/m	= 50

18240

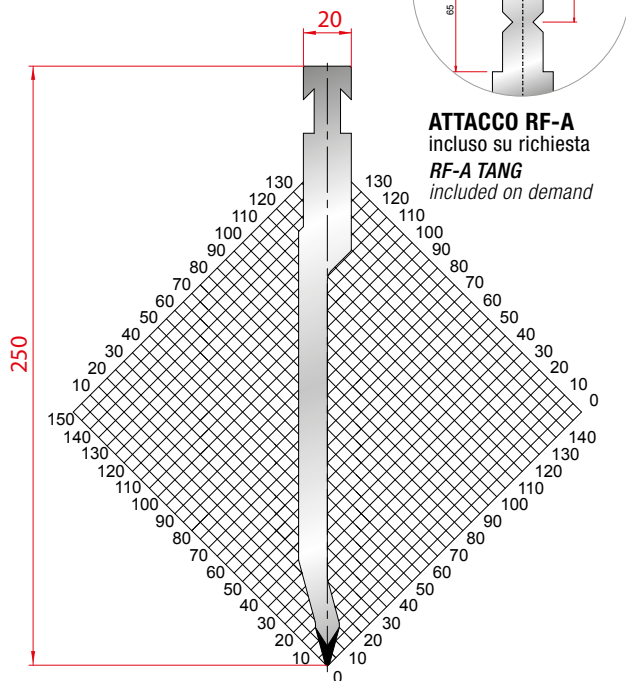


C45
BONIFICATO
QUENCHED

α	= 85°
R	= 1
H	= 155.00
Max T/m	= 100

18270

42CrMo4
BONIFICATO
QUENCHED

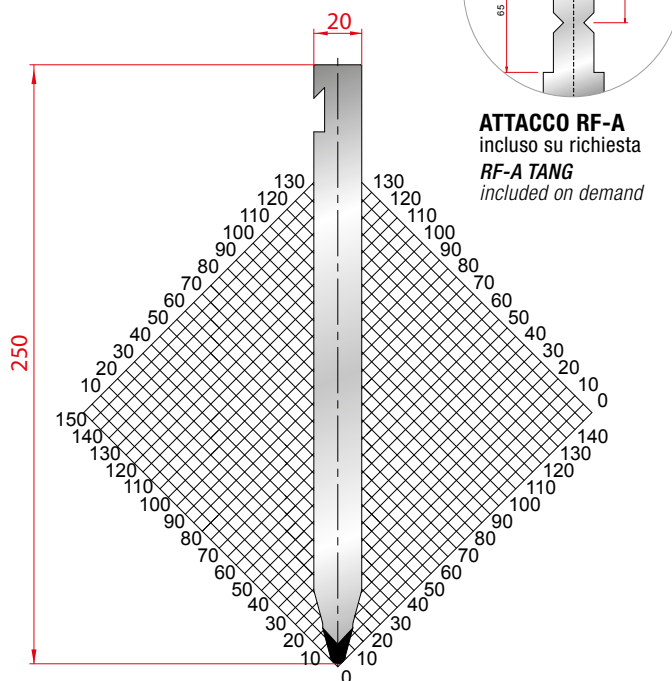


ATTACCO RF-A
incluso su richiesta
RF-A TANG
included on demand

$\alpha = 30^\circ$
$R = 1$
$H = 250.00$
Max T/m = 80

19485

42CrMo4
BONIFICATO
QUENCHED

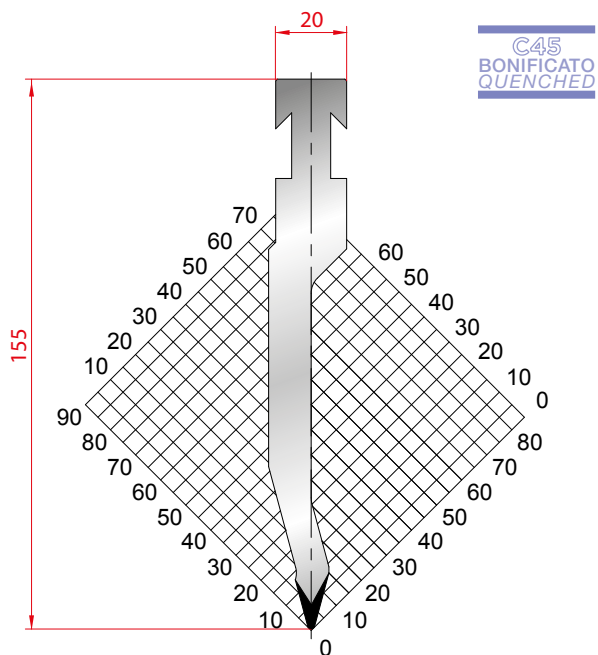


ATTACCO RF-A
incluso su richiesta
RF-A TANG
included on demand

$\alpha = 30^\circ$
$R = 3$
$H = 250.00$
Max T/m = 120

19500

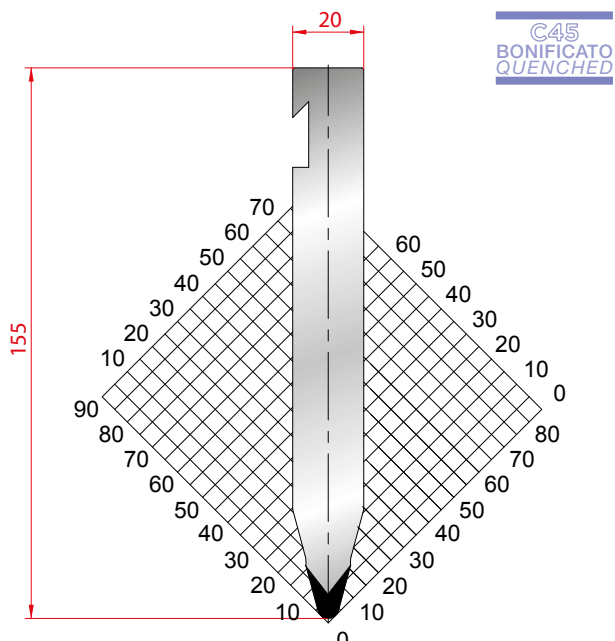
C45
BONIFICATO
QUENCHED



$\alpha = 30^\circ$
$R = 1$
$H = 155.00$
Max T/m = 80

18300

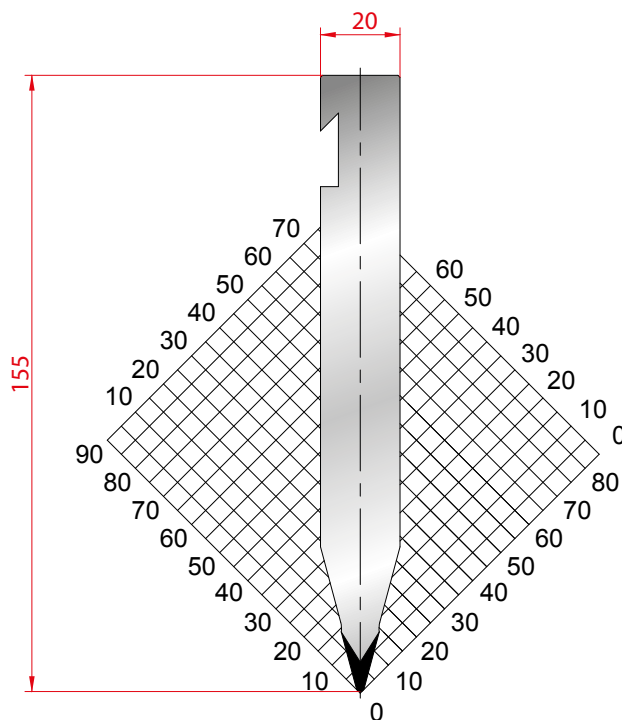
C45
BONIFICATO
QUENCHED



$\alpha = 30^\circ$
$R = 3$
$H = 155.00$
Max T/m = 100

18375

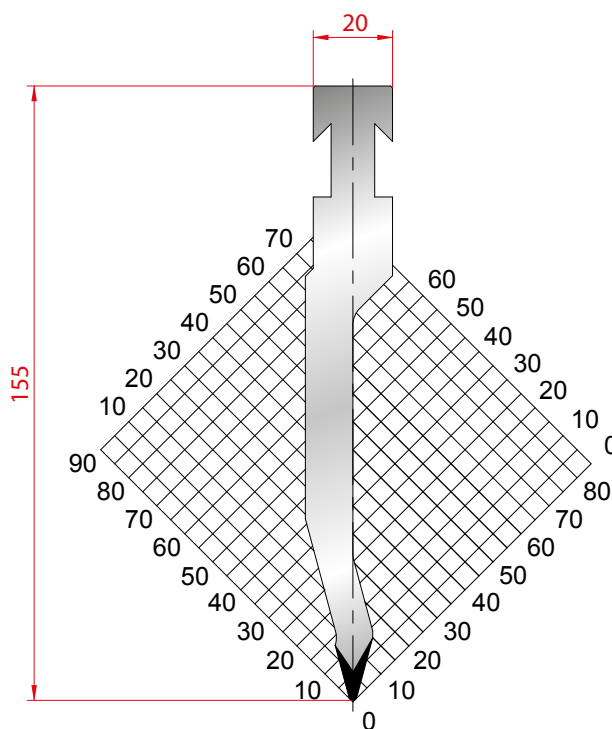
C45
BONIFICATO
QUENCHED



α	= 30°
R	= 1
H	= 155.00
Max T/m	= 100

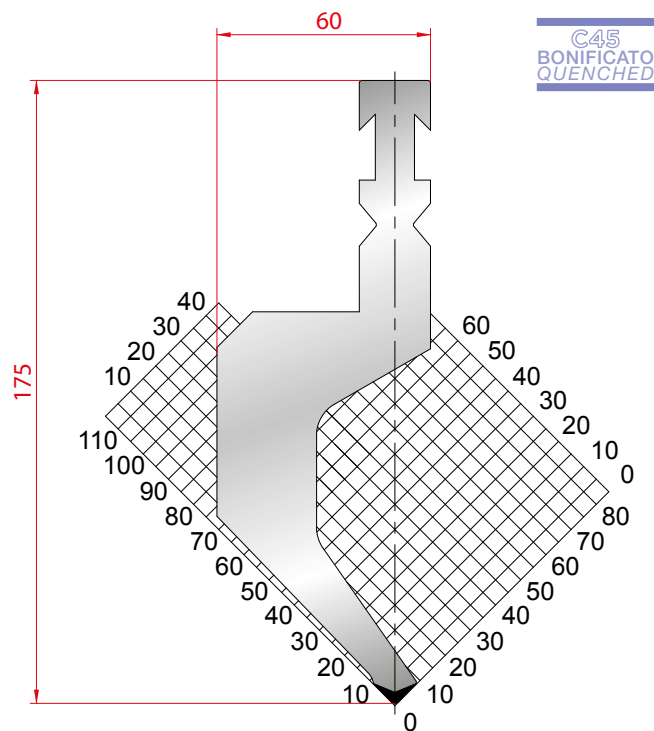
18390

C45
BONIFICATO
QUENCHED



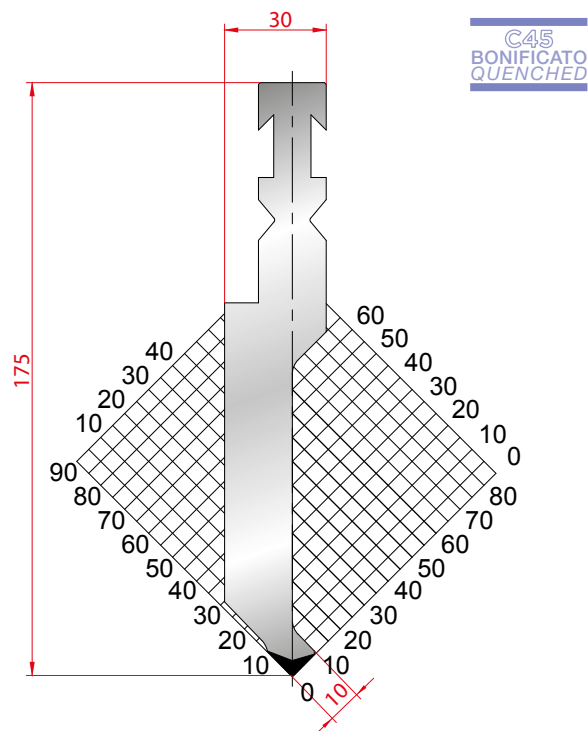
α	= 28°
R	= 1
H	= 155.00
Max T/m	= 80

18315



$\alpha = 88^\circ$
$R = 1.5$
$H = 175.00$
Max T/m = 50

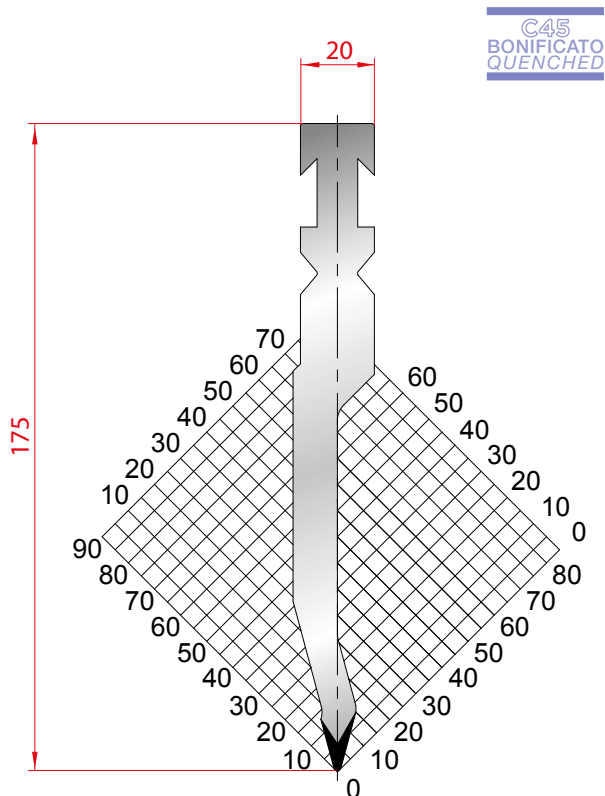
18405



$\alpha = 88^\circ$
$R = 1$
$H = 175.00$
Max T/m = 100

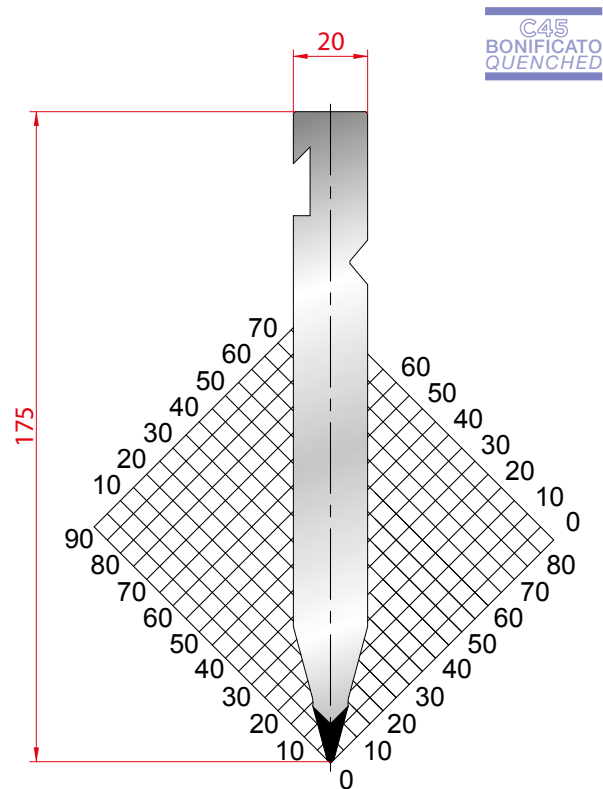
18435





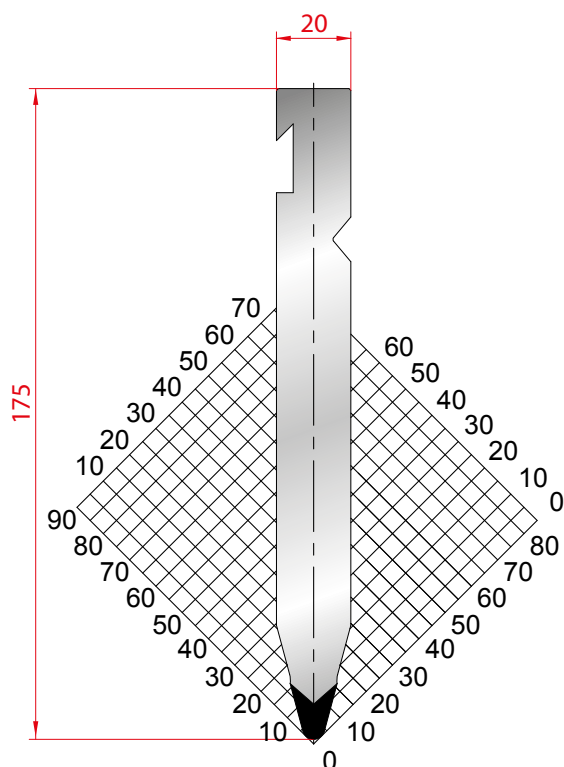
$\alpha = 30^\circ$
$R = 1$
$H = 175.00$
Max T/m = 80

18450



$\alpha = 30^\circ$
$R = 1$
$H = 175.00$
Max T/m = 100

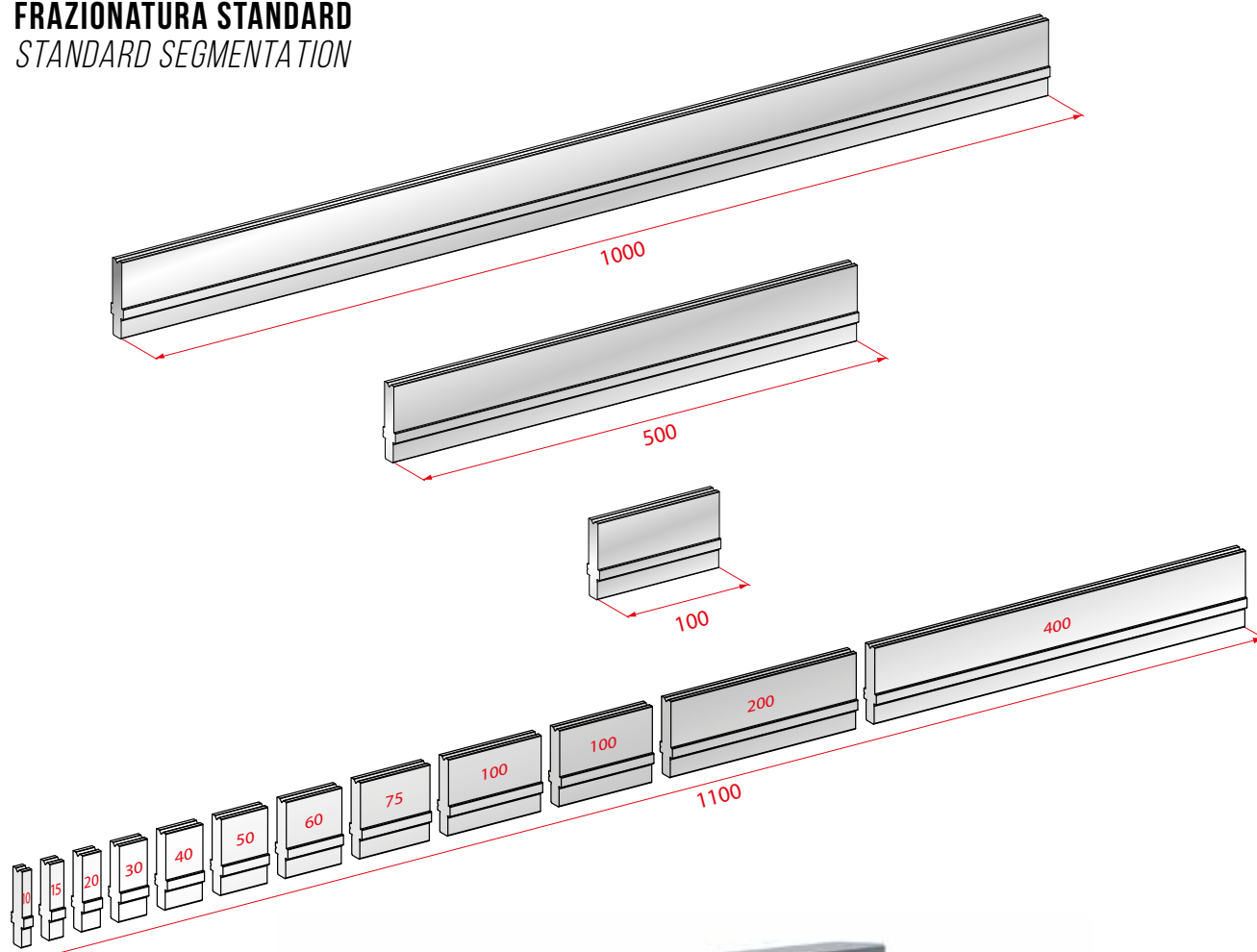
18480



$\alpha = 30^\circ$
$R = 3$
$H = 175.00$
Max T/m = 100

18465

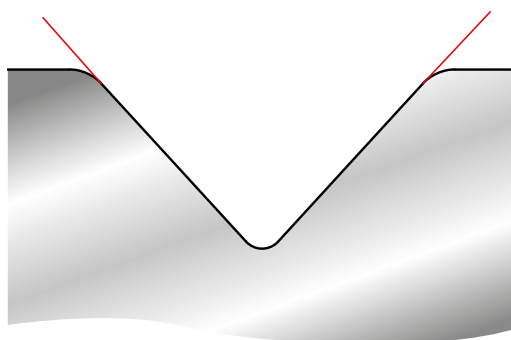
FRAZIONATURA STANDARD
STANDARD SEGMENTATION



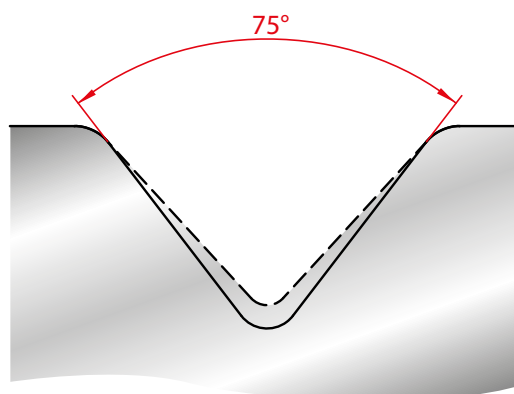
TAGLI A RICHIESTA
SPECIAL SEGMENTATION

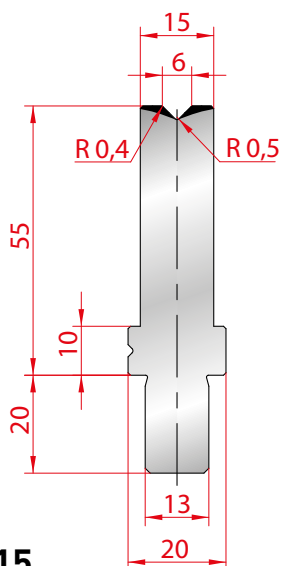


MODIFICA RAGGIO
RADIUS MODIFICATION



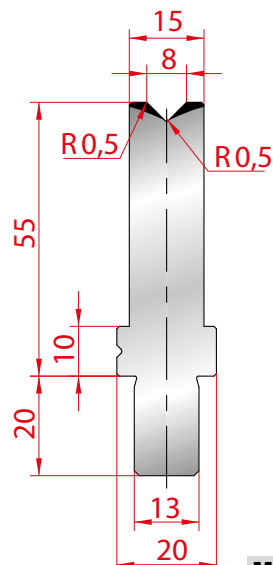
MODIFICA ANGOLO
ANGLE MODIFICATION





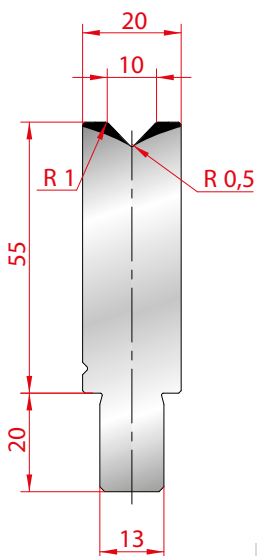
48615

Max T/m = 100



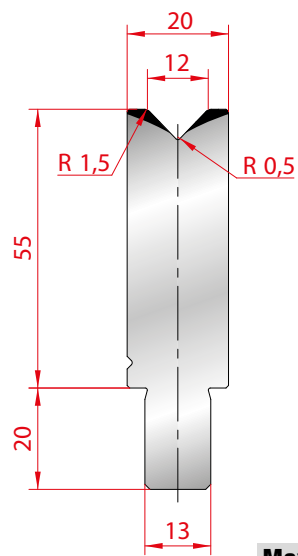
48630

Max T/m = 100



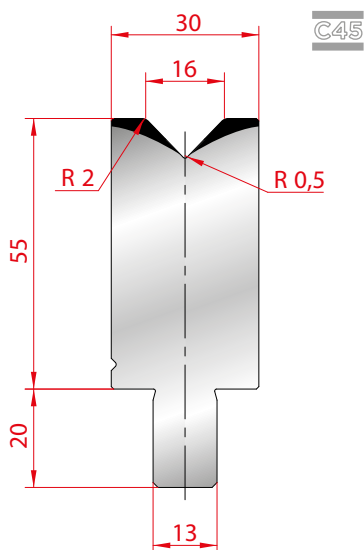
46590

Max T/m = 100



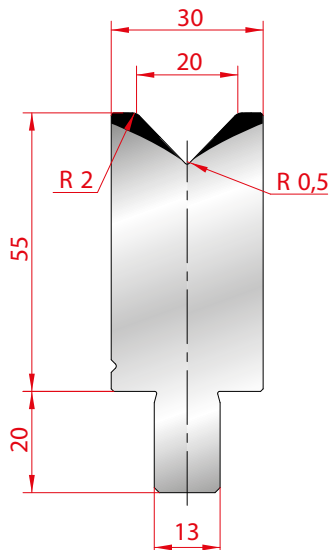
46605

Max T/m = 100



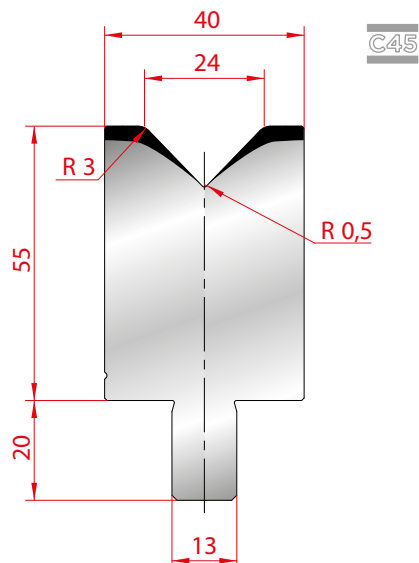
46620

Max T/m = 100



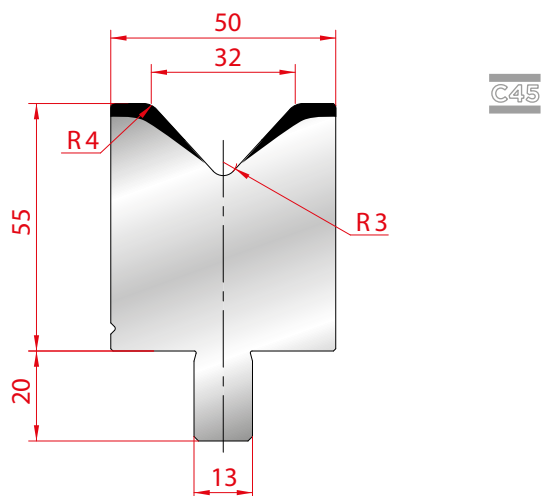
46635

Max T/m = 100



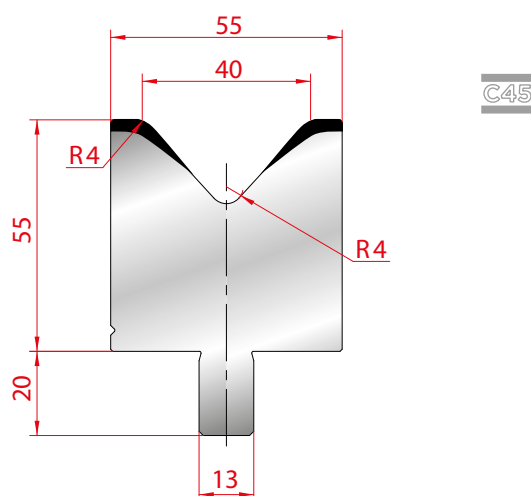
46650

Max T/m = 100



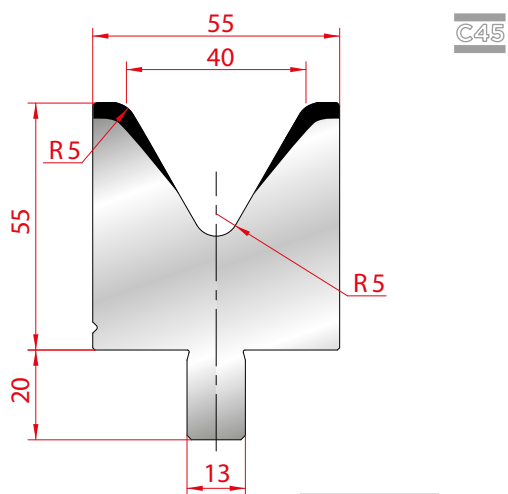
46665

Max T/m = 100



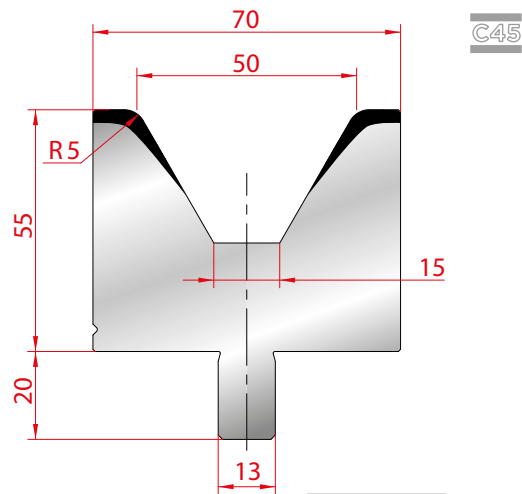
46680

Max T/m = 100



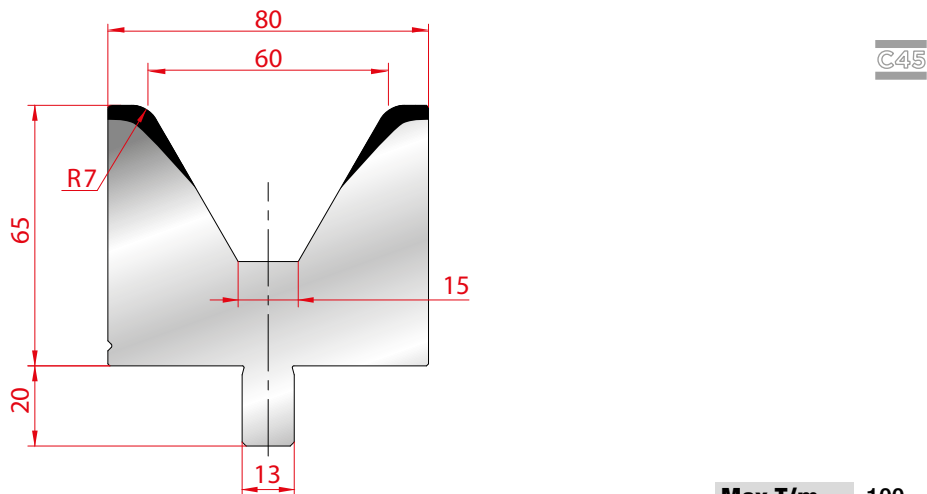
46695

Max T/m = 100



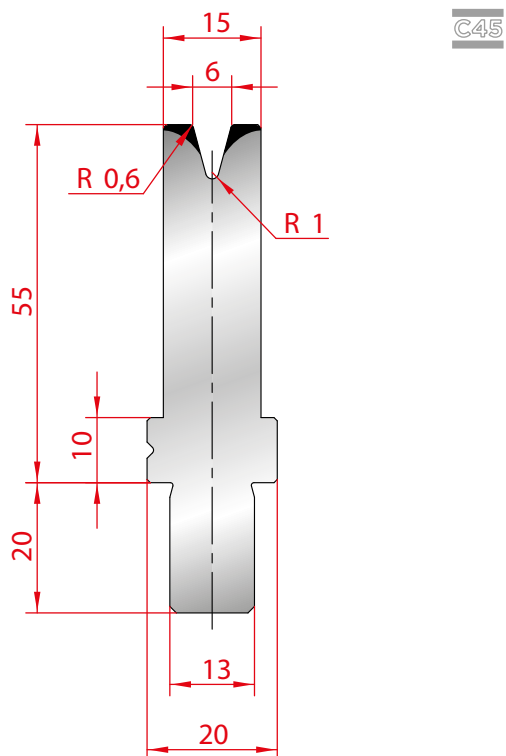
47685

Max T/m = 100



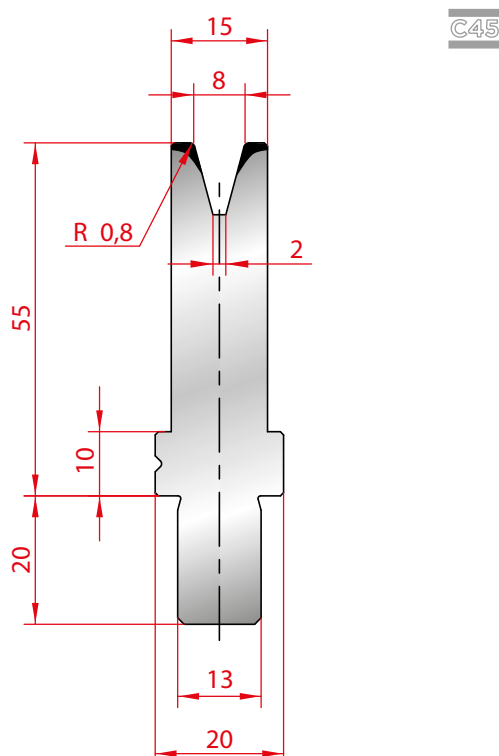
46710

Max T/m = 100



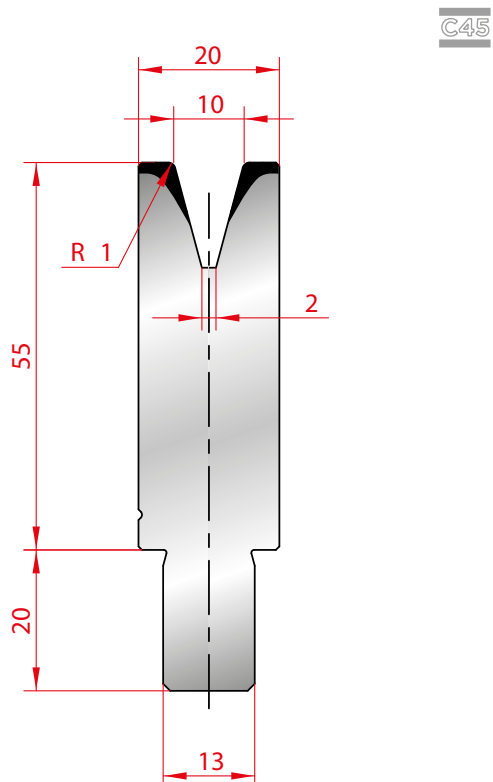
46725

Max T/m = 35



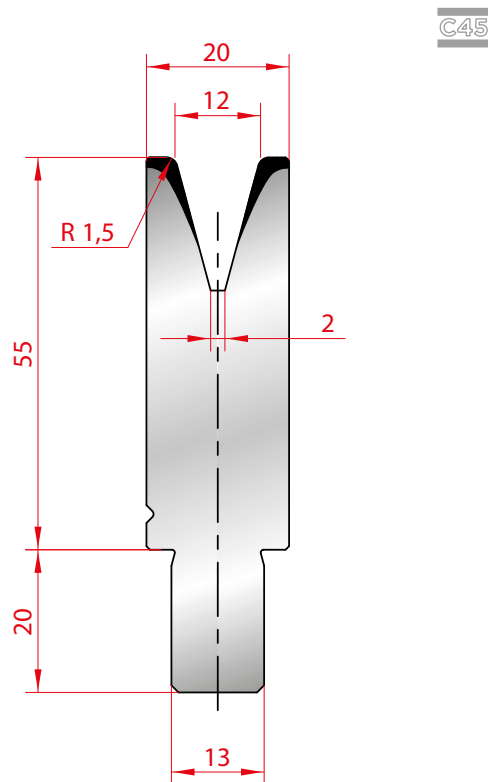
46740

Max T/m = 40



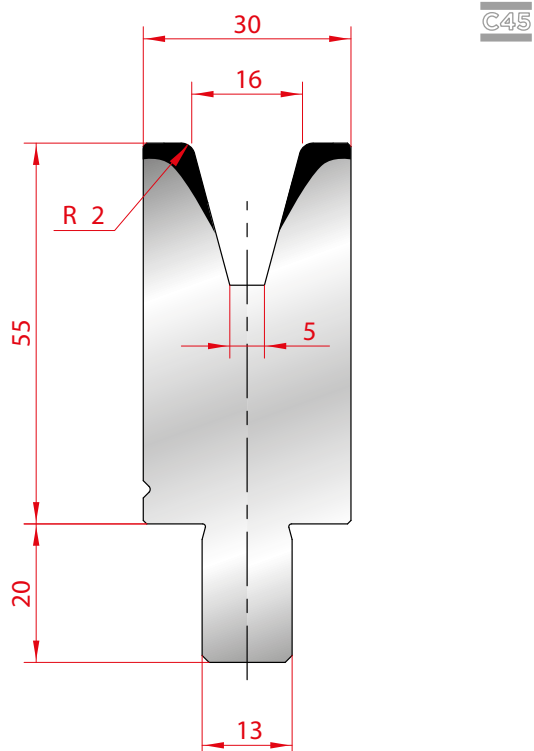
46755

Max T/m = 50



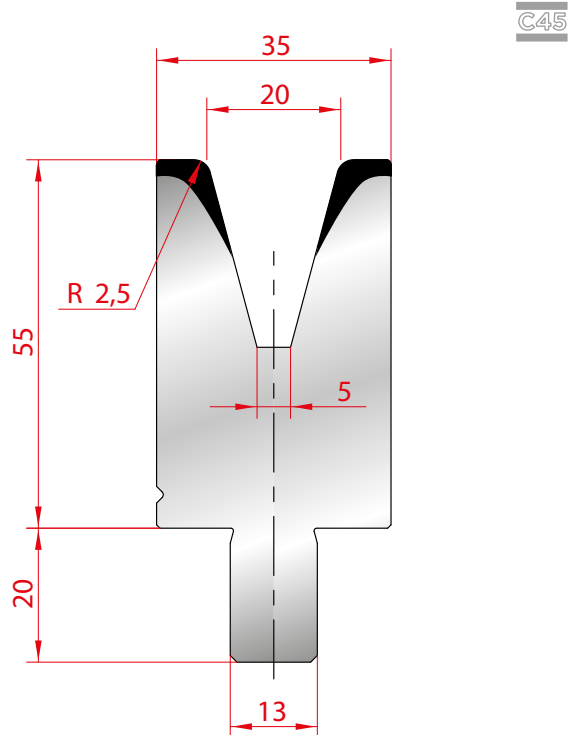
46770

Max T/m = 40



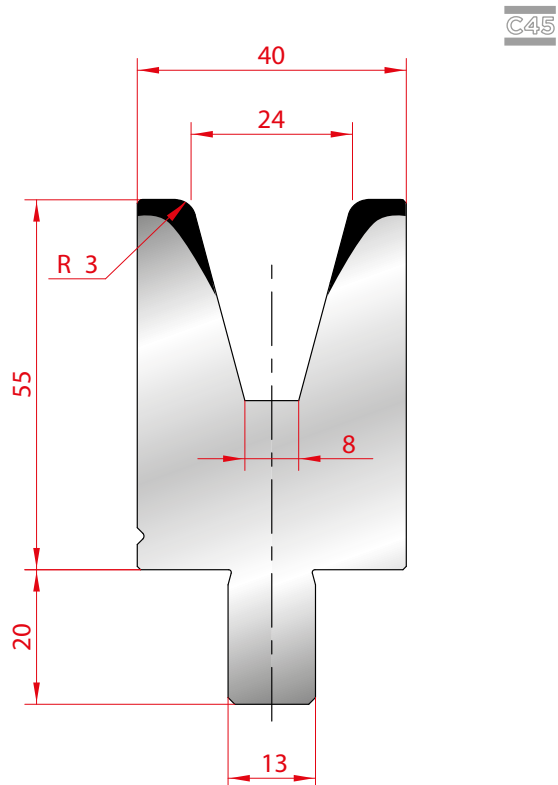
46785

Max T/m = 50



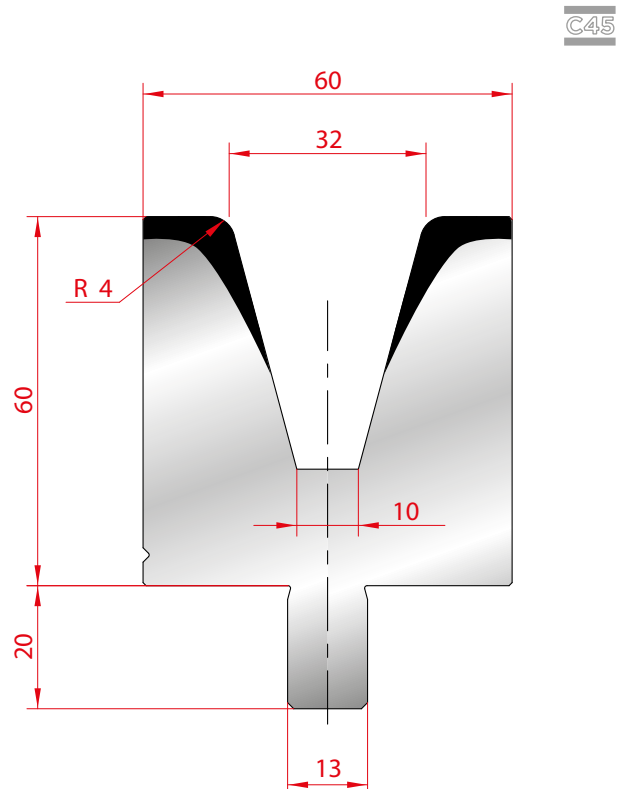
46800

Max T/m = 55



46815

Max T/m = 65



46830

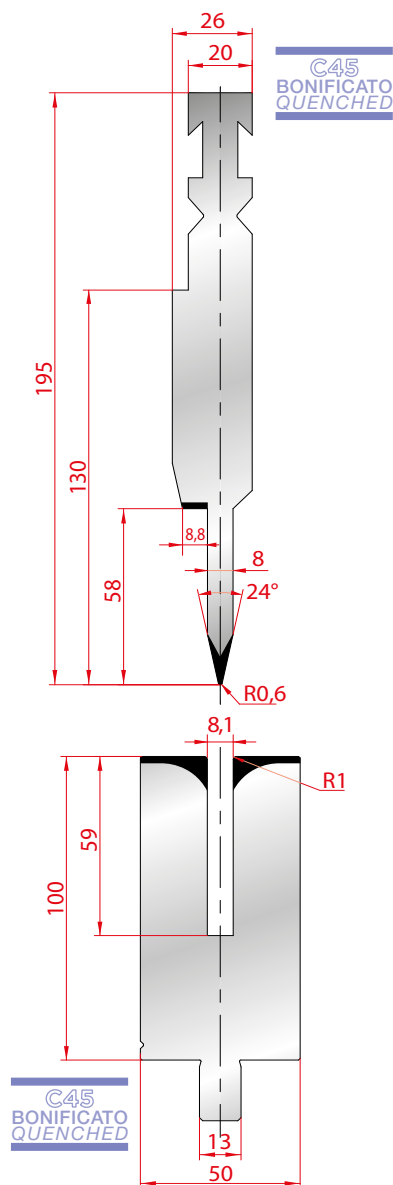
Max T/m = 65

500-550 Frazionato (Bonificato)
Segmented (Quenched)

18780

Max T/m = 80

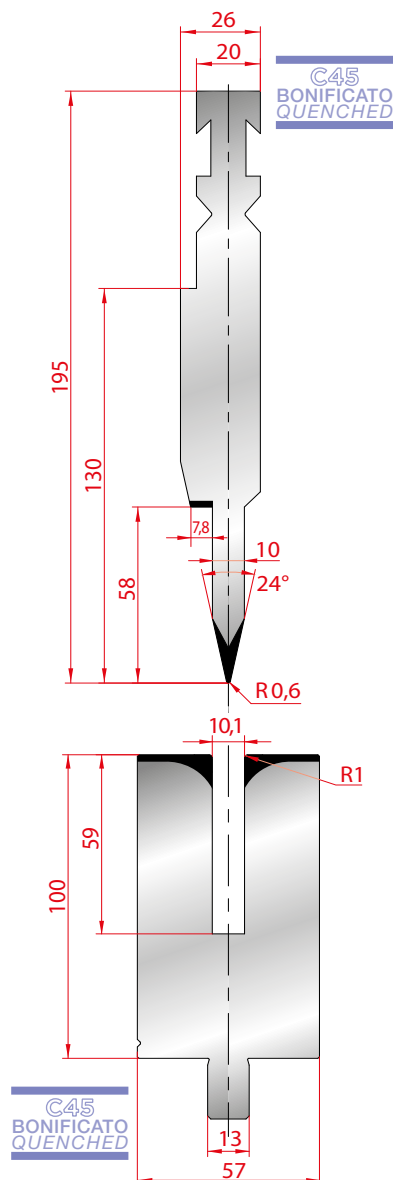
spessore max di lamiera (ferro normale) 1,2 mm
max sheet metal thickness mild steel 1,2 mm



18795

Max T/m = 80

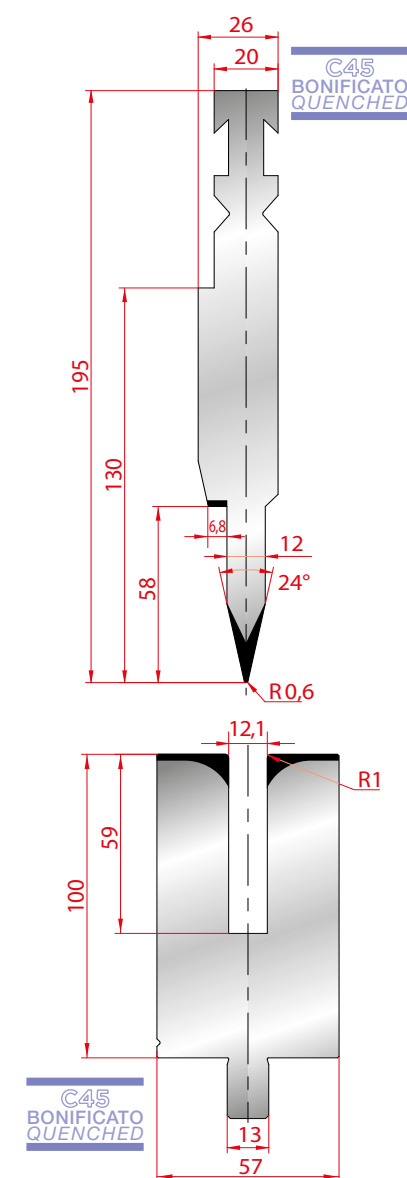
spessore max di lamiera (ferro normale) 1,5 mm
max sheet metal thickness mild steel 1,5 mm



18810

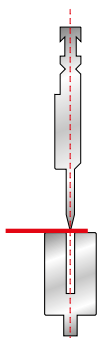
Max T/m = 80

spessore max di lamiera (ferro normale) 1,5 mm
max sheet metal thickness mild steel 1,5 mm



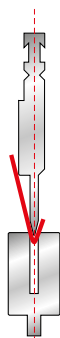
47355

Max T/m = 50



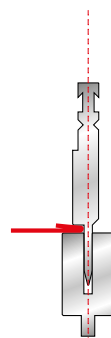
47610

Max T/m = 50



47625

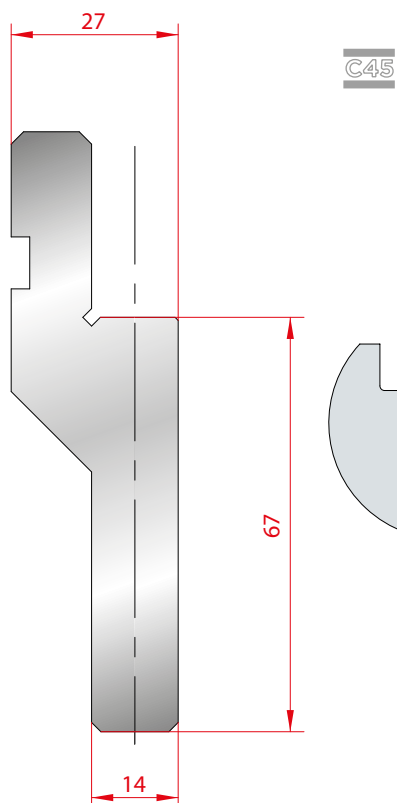
Max T/m = 50



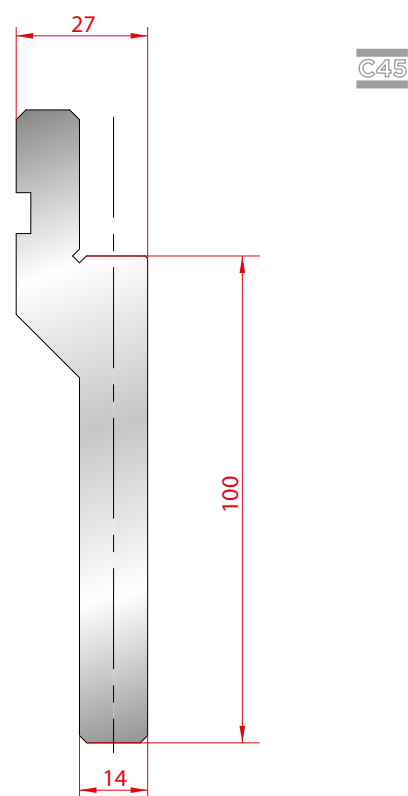




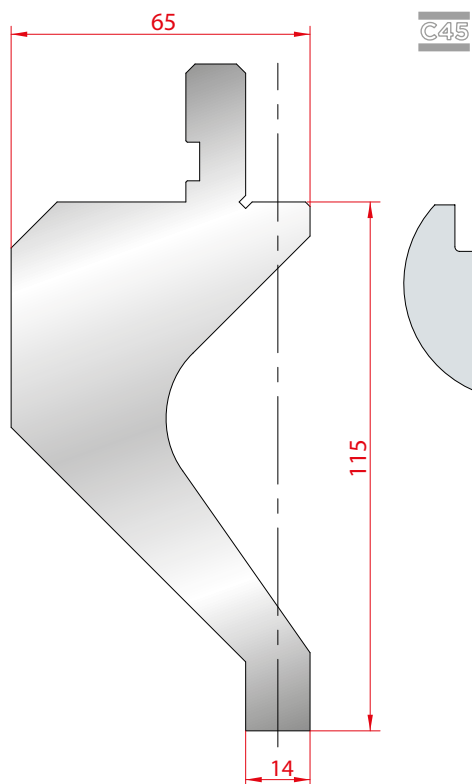
ACCESSORIES



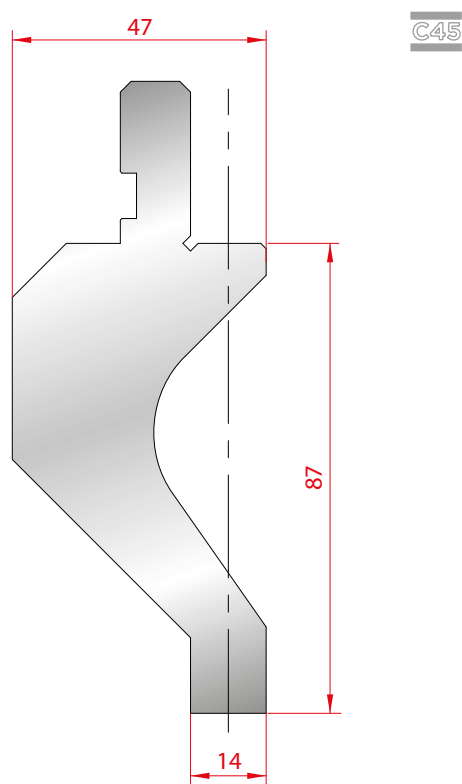
15540 AMADA PROMECAM **Max T/m = 100**



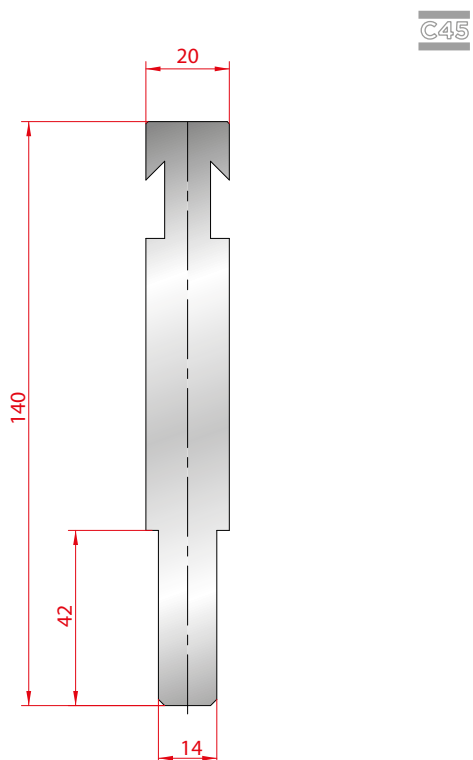
16440 AMADA PROMECAM **Max T/m = 100**



16350 AMADA PROMECAM **Max T/m = 50**

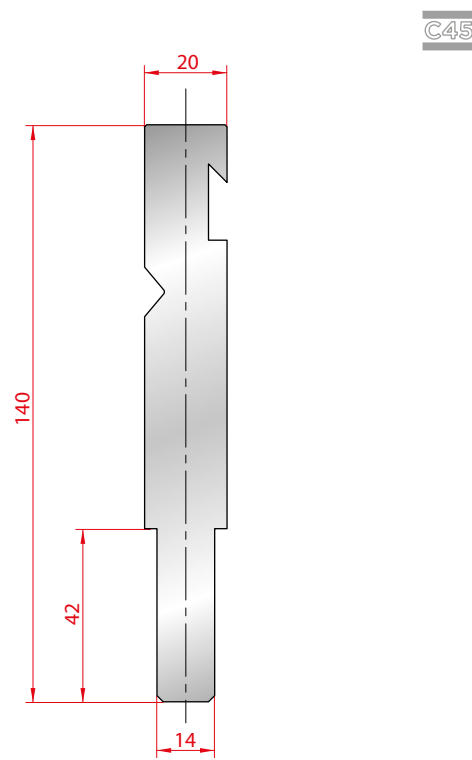


16365 AMADA PROMECAM **Max T/m = 50**



18585 BYSTRONIC R

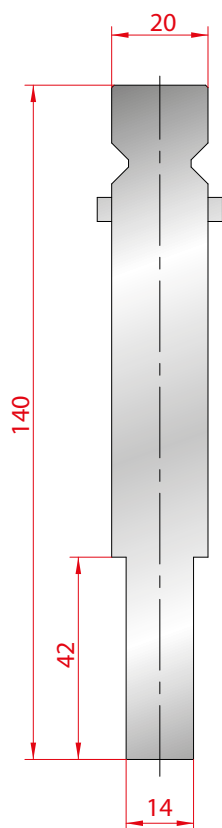
Max T/m = 100



19095 BYSTRONIC RF-A

Max T/m = 100

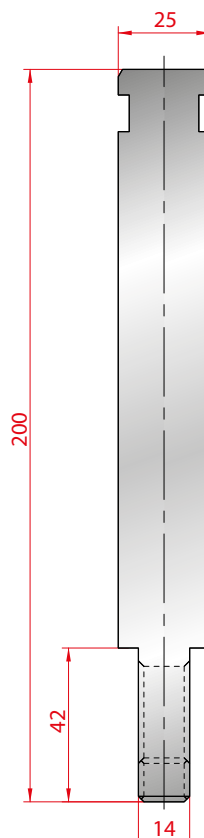




C45

18600 TRUMPF

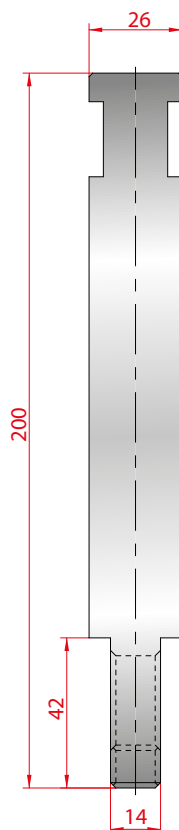
Max T/m = 100



C45

19575 WEINBRENNER

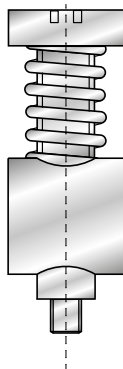
Max T/m = 100



C45

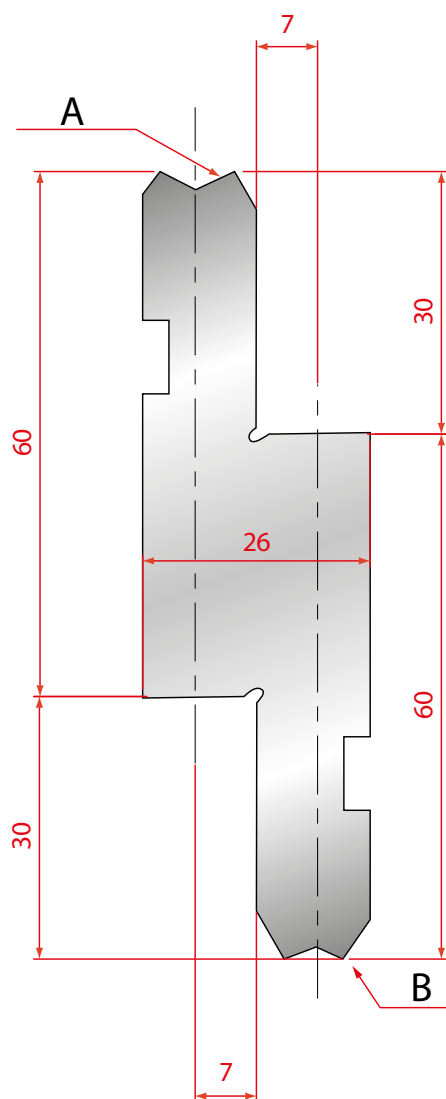
19590 EHT

Max T/m = 100



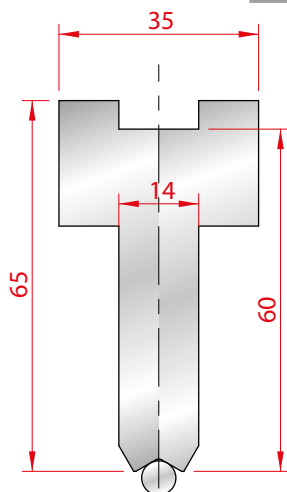
64125

Pezzo di ricambio
Spare part



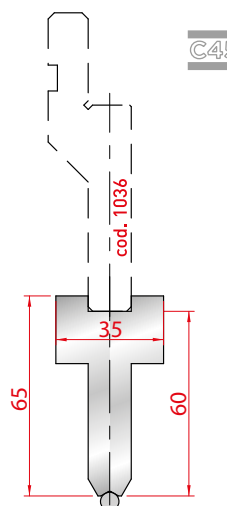
17325

C45



19455

da R 5 a R 6,5
from R 5 to R 6,5



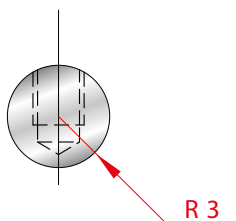
19440

da R 3 a R 4,5
from R 3 to R 4,5

SOLO PER SUPPORTI
ONLY FOR HOLDERS

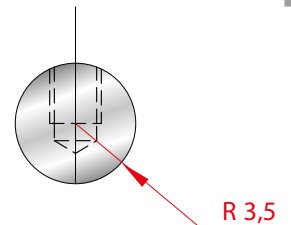
17325 - 19440 - 19455
17325 - 19440 - 19455

C45



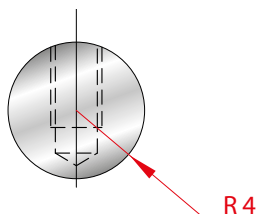
17700

C45



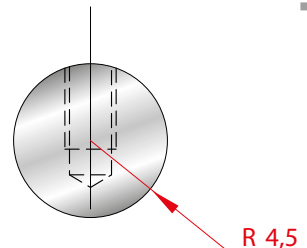
17715

C45



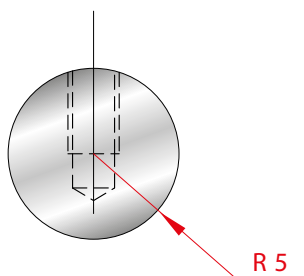
17730

C45



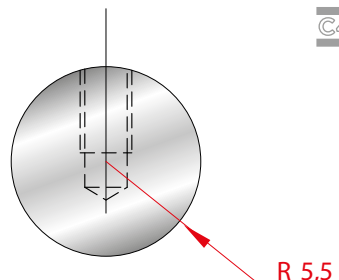
17745

C45



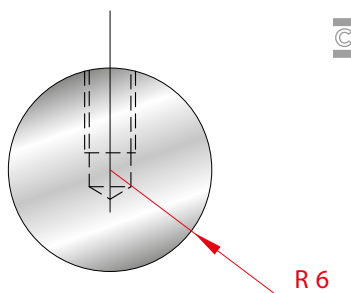
17760

C45



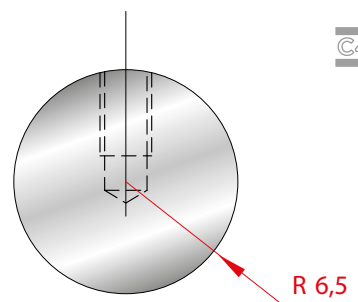
17775

C45



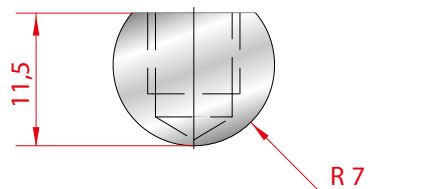
17790

C45

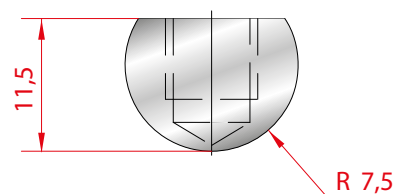


17805

C45

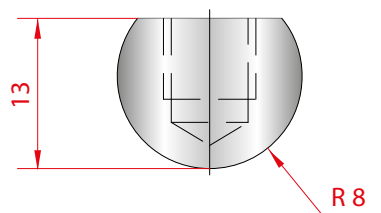


C45



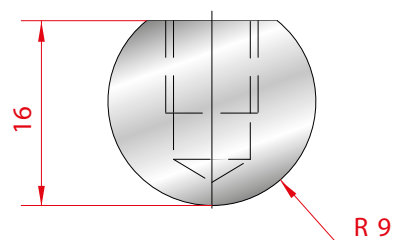
16500

C45



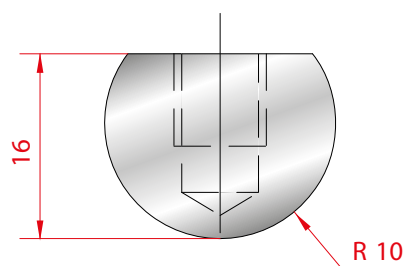
16515

C45



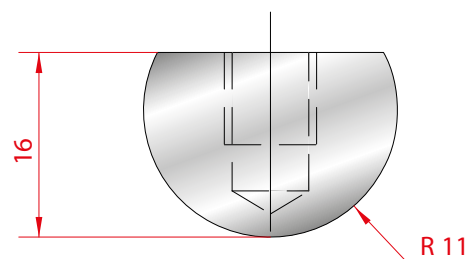
16530

C45



16545

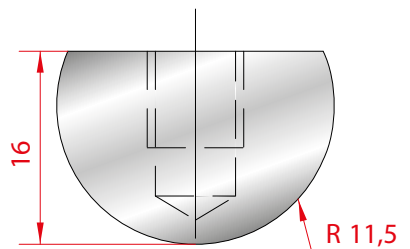
C45



15555

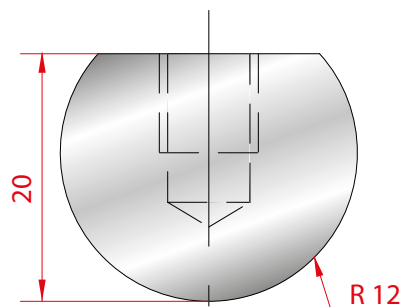
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C45



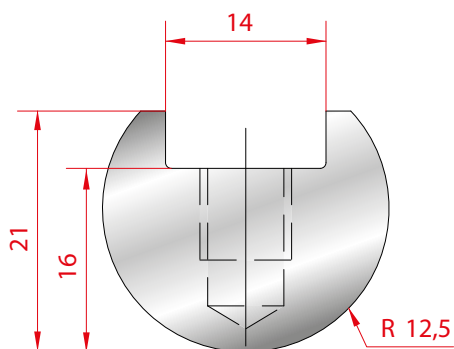
16575

C45



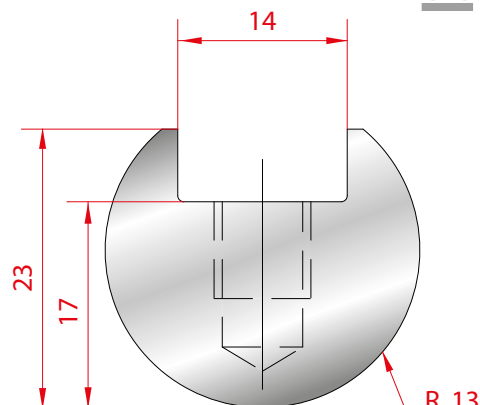
16590

C45



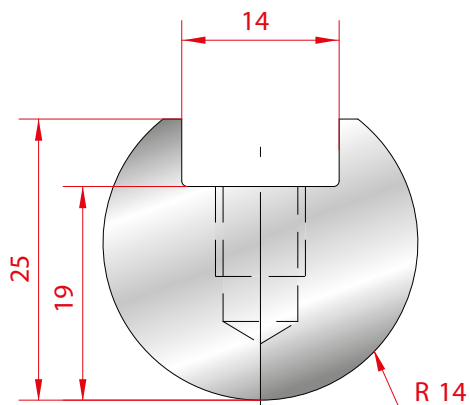
16605

C45



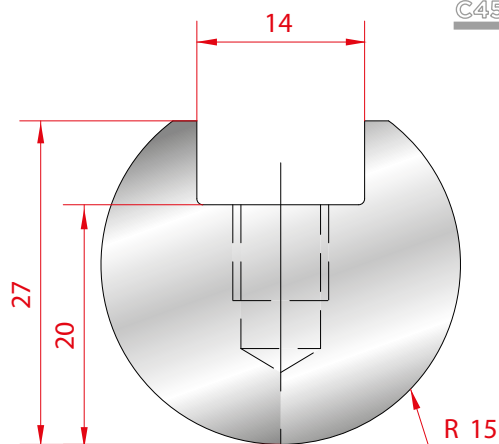
16620

C45

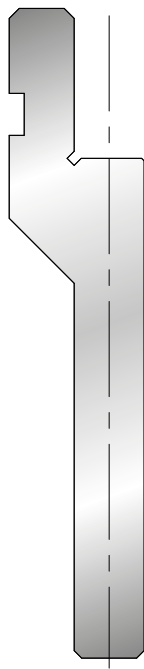


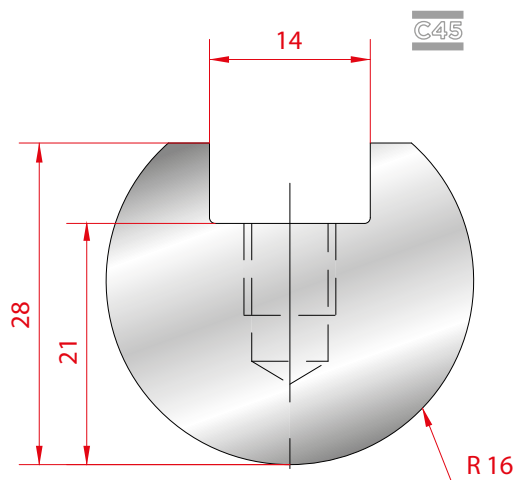
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C45

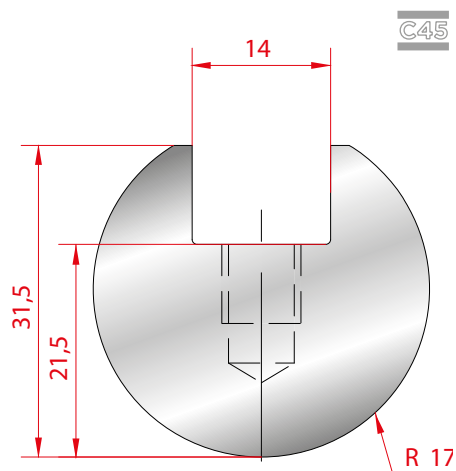


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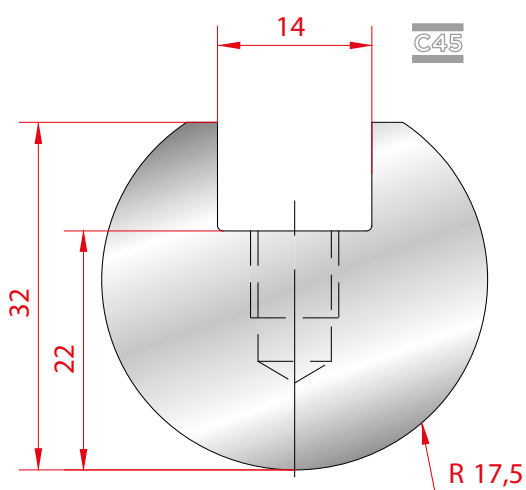




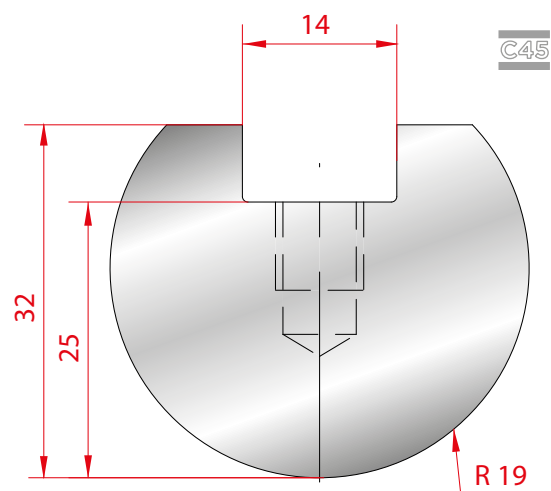
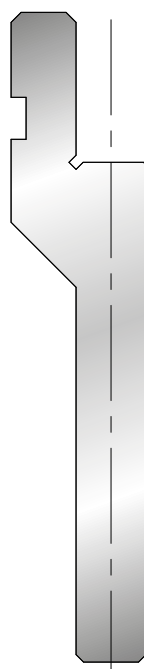
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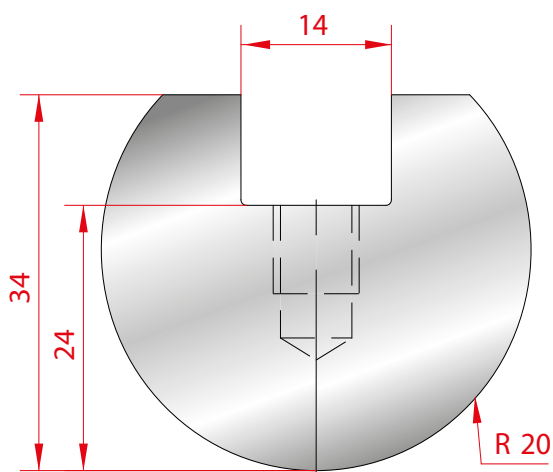
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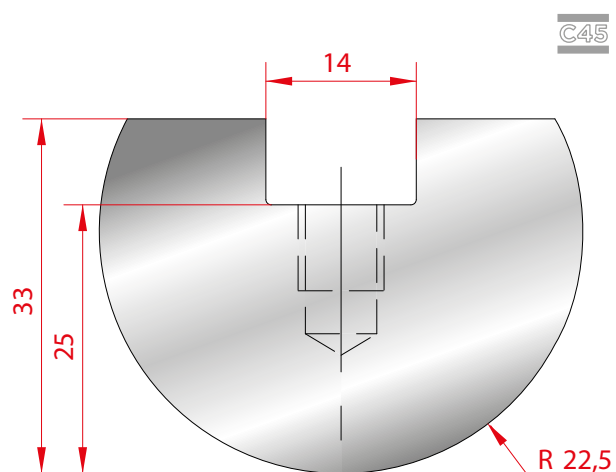
15585



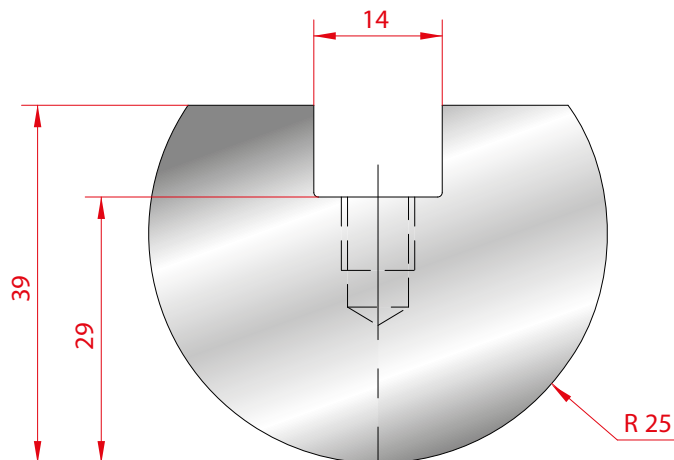
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15600

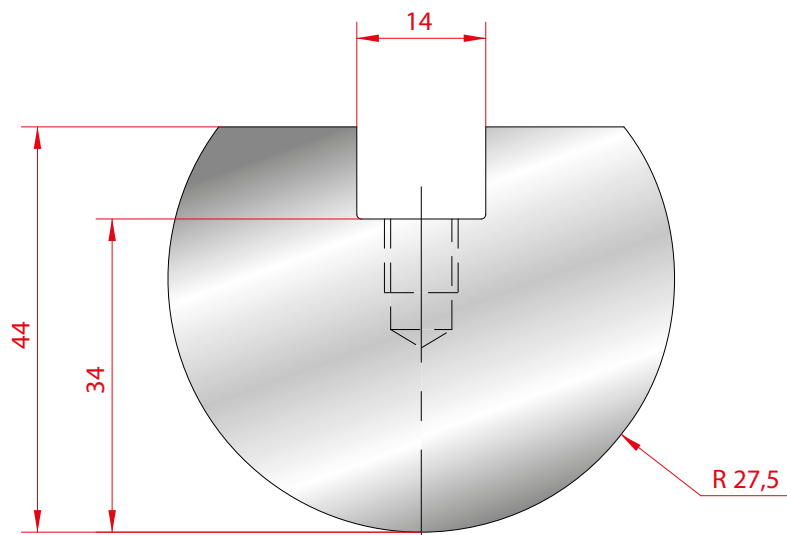


16695



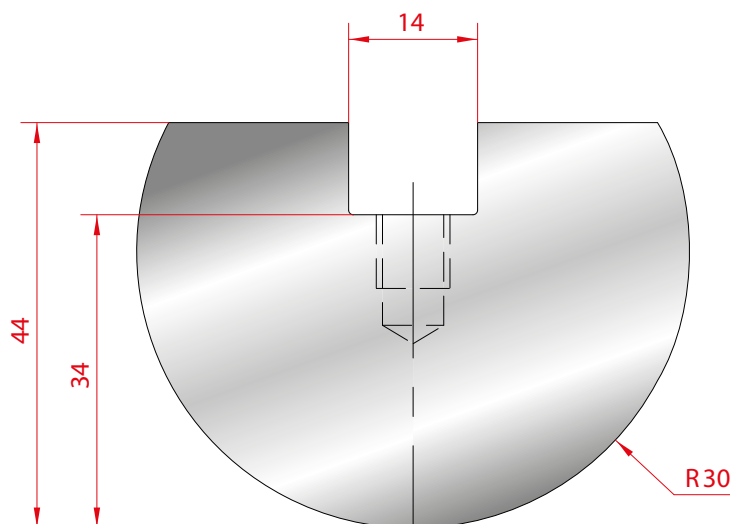
C45

15615



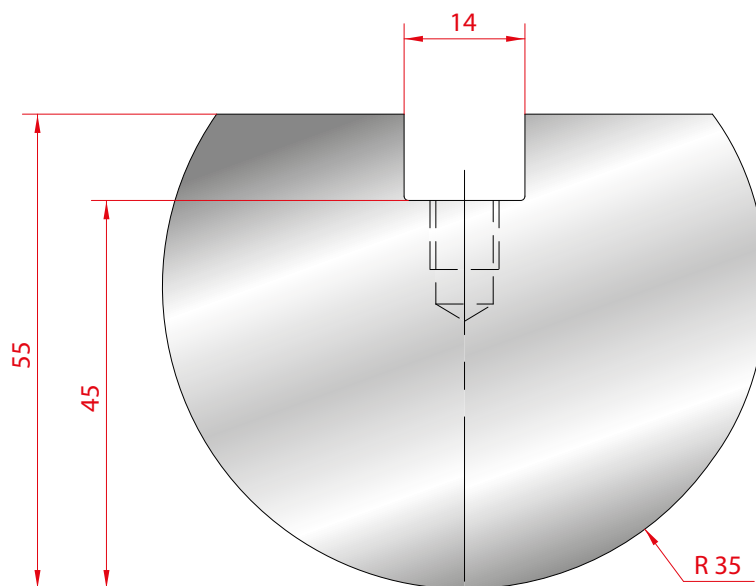
C45

16710



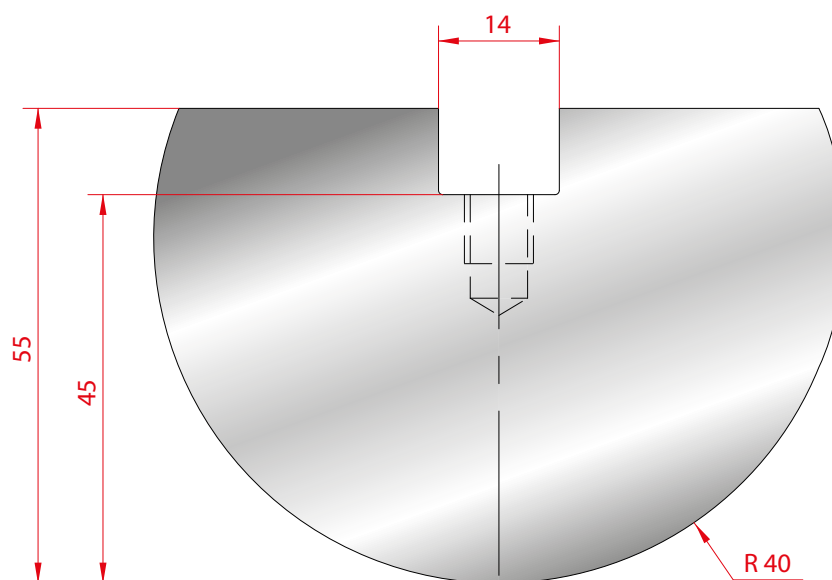
C45

15630



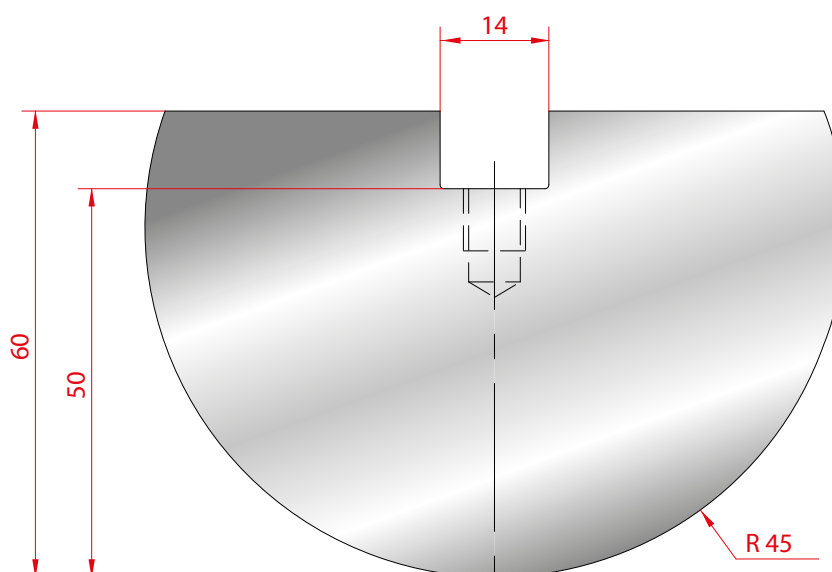
C45

16725



C45

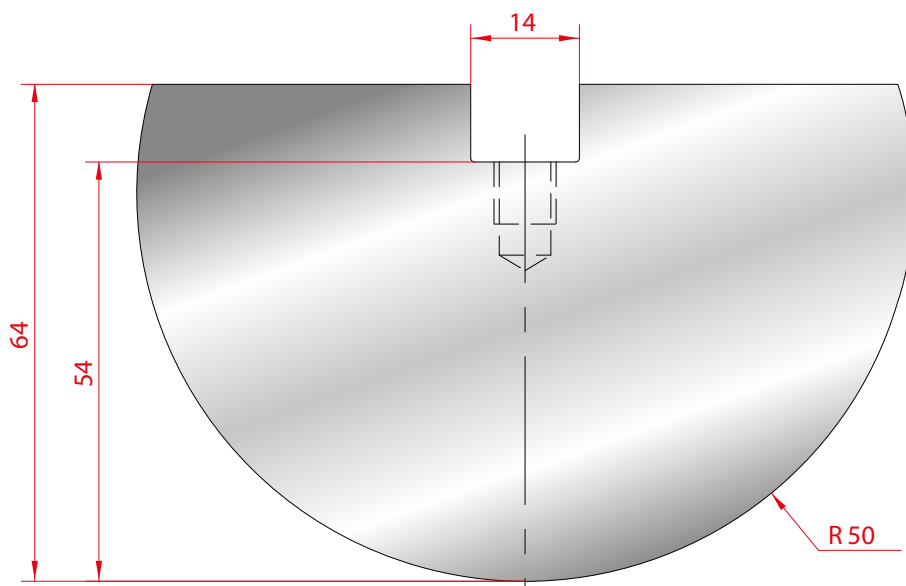
16740



C45

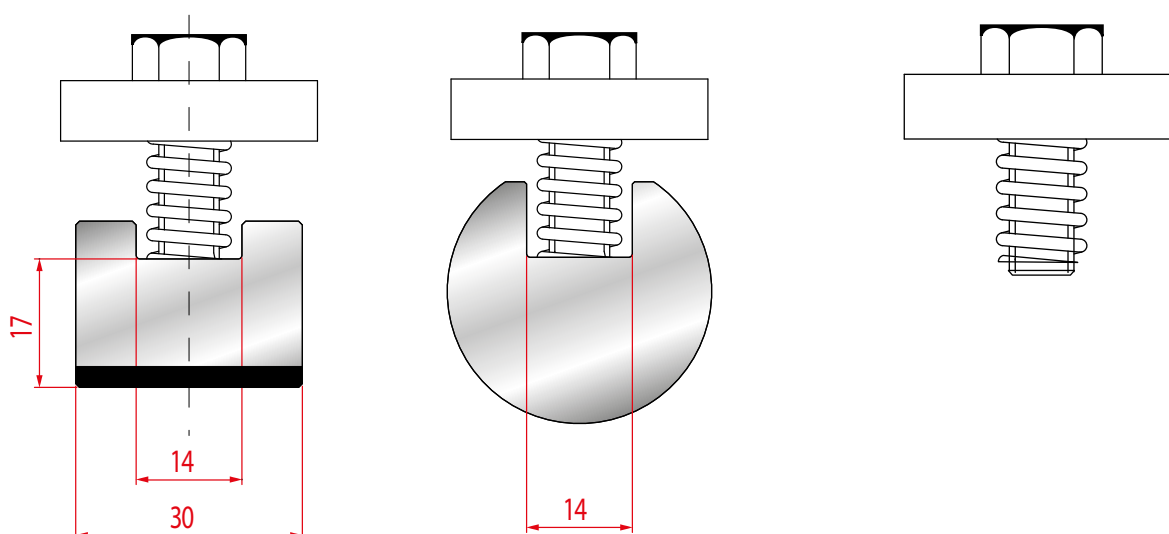
16755

C45



16770

C45



15645

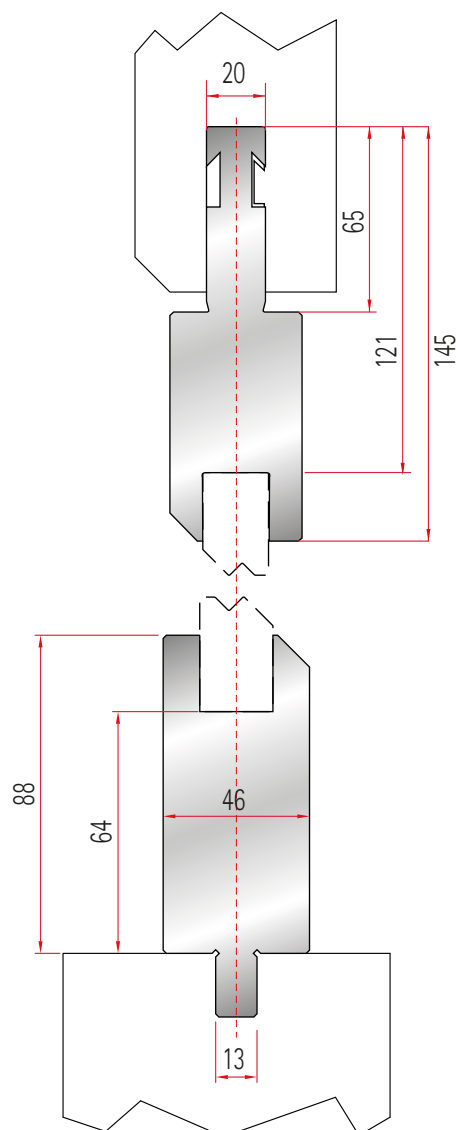
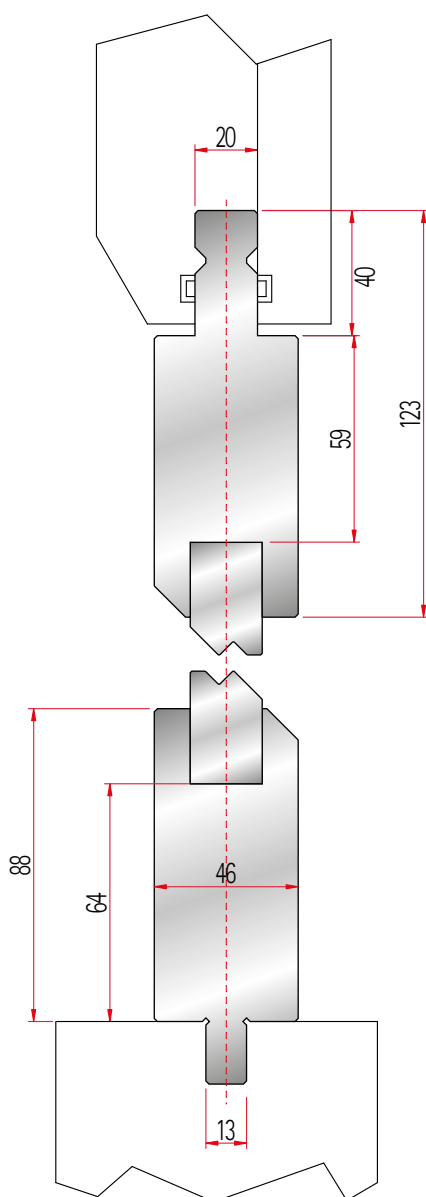
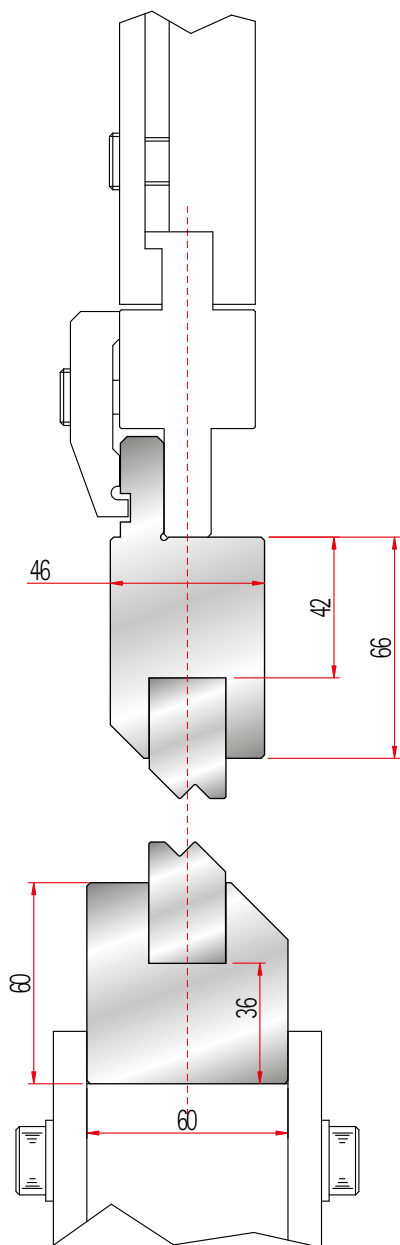
64110

molla + vite + piastrina
spring + screw + plate

C45

C45

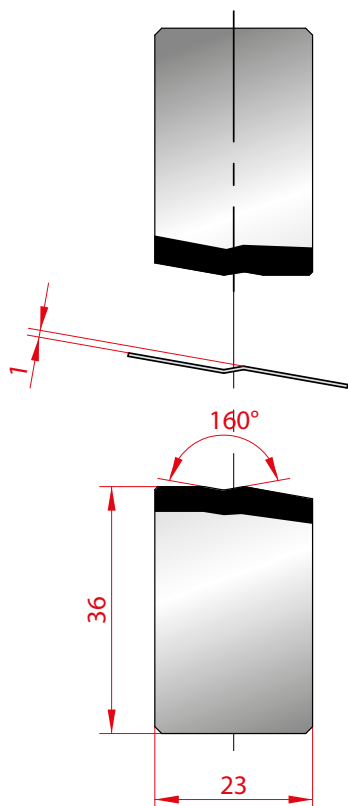
C45



CODE	Z	GRADI DEGREES	SPESSORE MAX. LAMIERA MAX SHEET THICKNESS
16950	1	160°	0,5 mm
19140	1	90°	0,5 mm
16965	1,5	160°	0,6 mm
19155	1,5	90°	0,6 mm
16980	2	150°	0,8 mm
19110	2	90°	0,8 mm
16995	2,5	140°	1,0 mm
19125	2,5	90°	1,0 mm
17010	3	90°	1,0 mm
17025	3,5	90°	1,2 mm
17040	4	90°	1,2 mm
17055	4,5	90°	1,5 mm
17070	5	90°	1,5 mm
17085	5,5	90°	1,5 mm
17100	6	90°	1,5 mm
17115	6,5	90°	1,5 mm
17130	7	90°	2,0 mm
17145	7,5	90°	2,0 mm
17160	8	90°	2,5 mm
17175	9	90°	2,5 mm
17190	10	90°	3,0 mm
17205	11	90°	3,0 mm
17220	12	90°	3,0 mm
19170	13	90°	3,0 mm
19185	14	90°	3,0 mm
19200	15	90°	3,0 mm

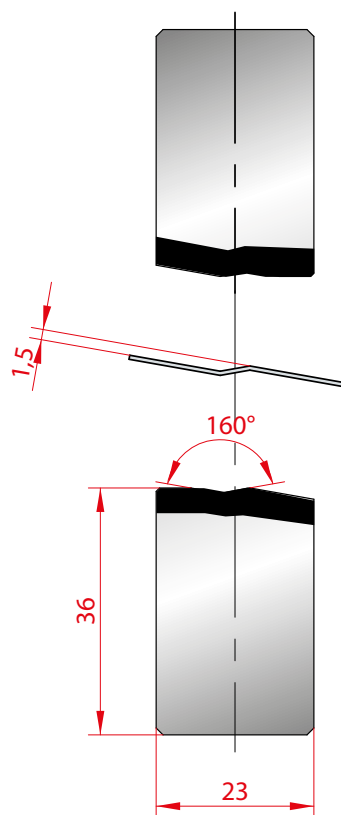
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176

C45



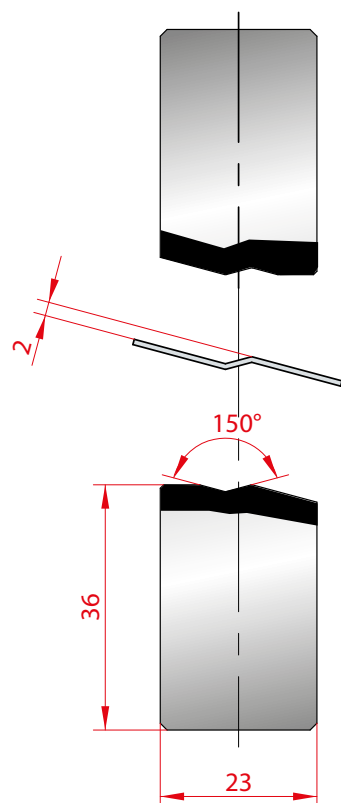
16950 160°

C45



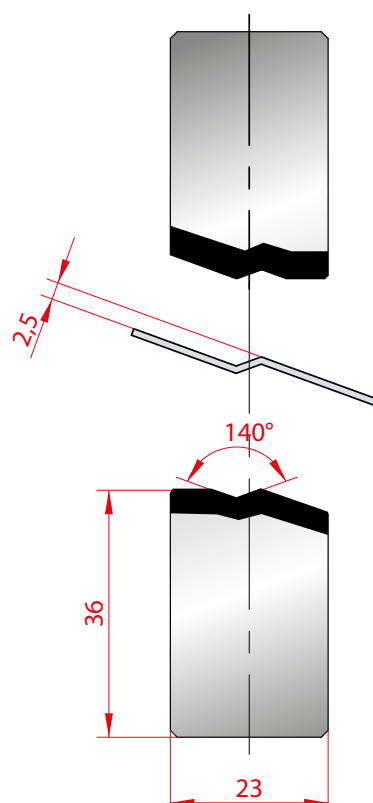
16965 160°

C45



16980 150°

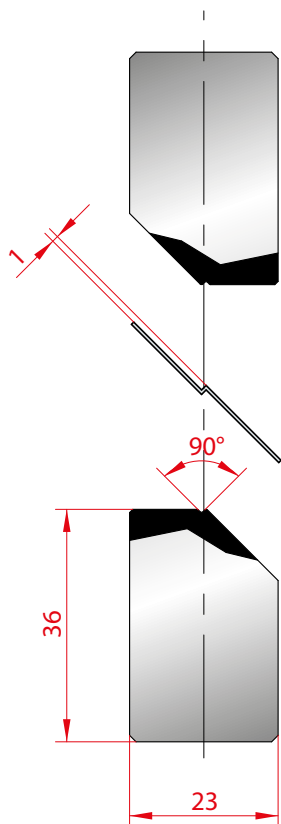
C45



16995 140°

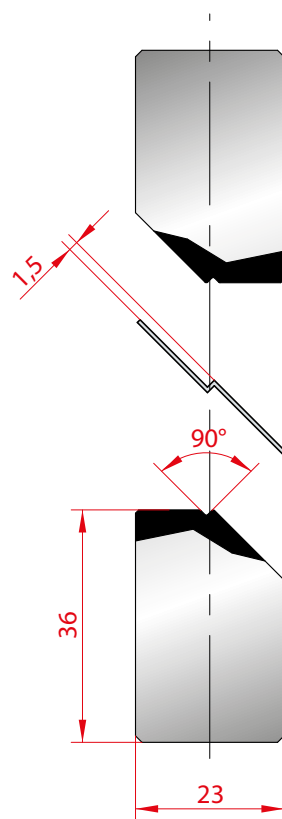
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176

C45



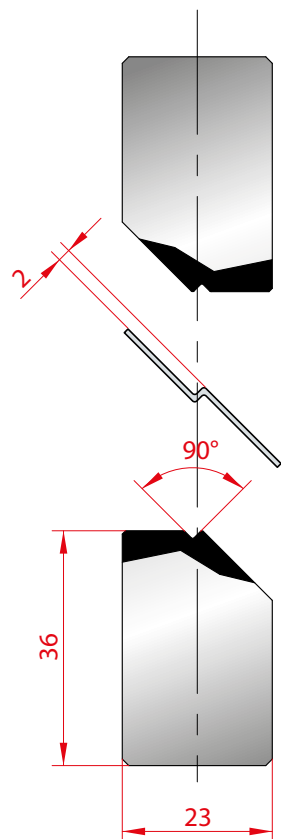
19140

C45



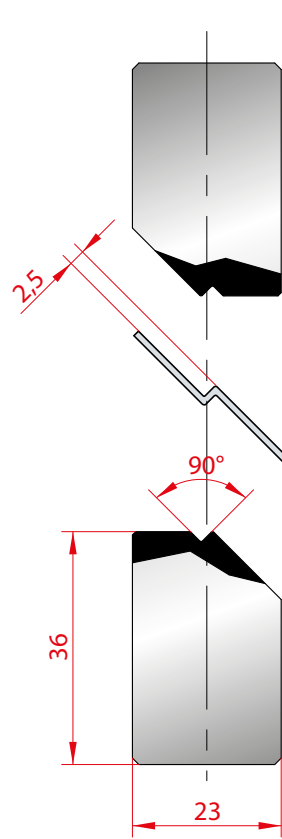
19155

C45



19110

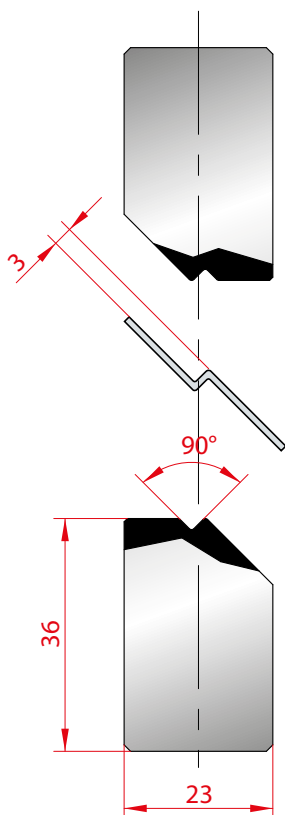
C45



19125

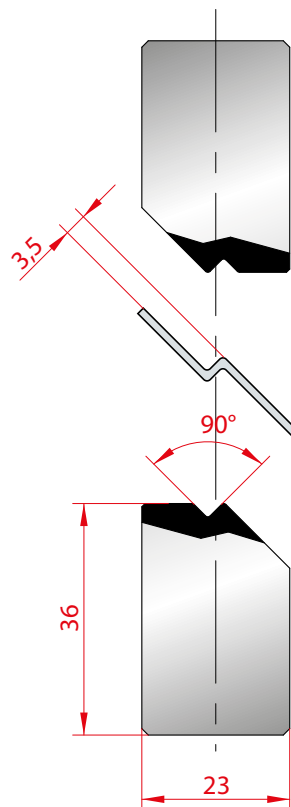
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176

C45



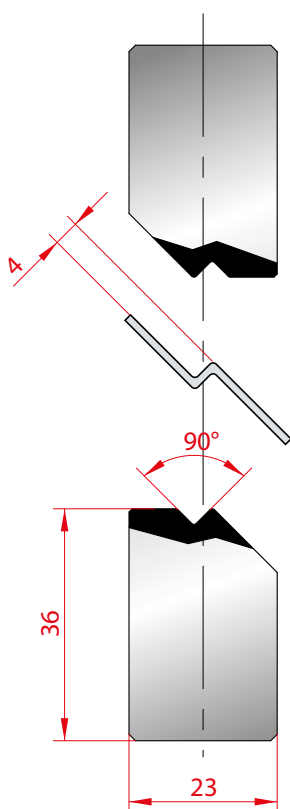
17010

C45



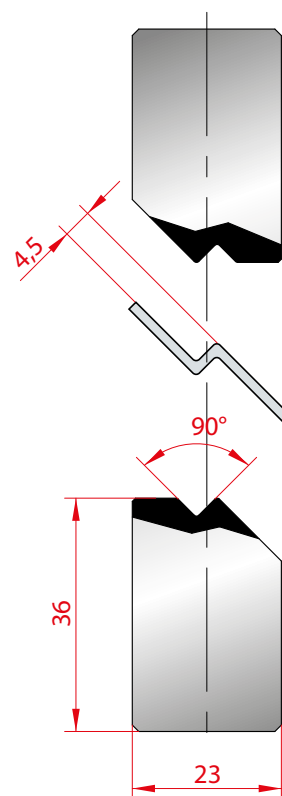
17025

C45



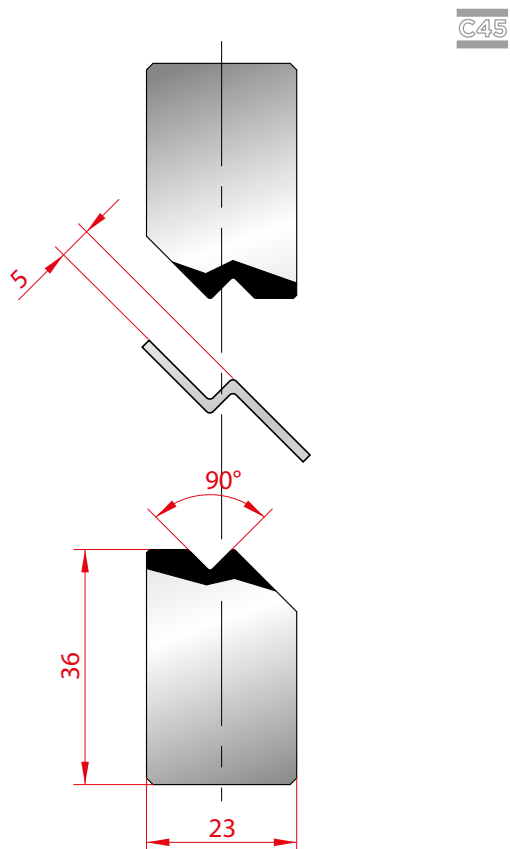
17040

C45

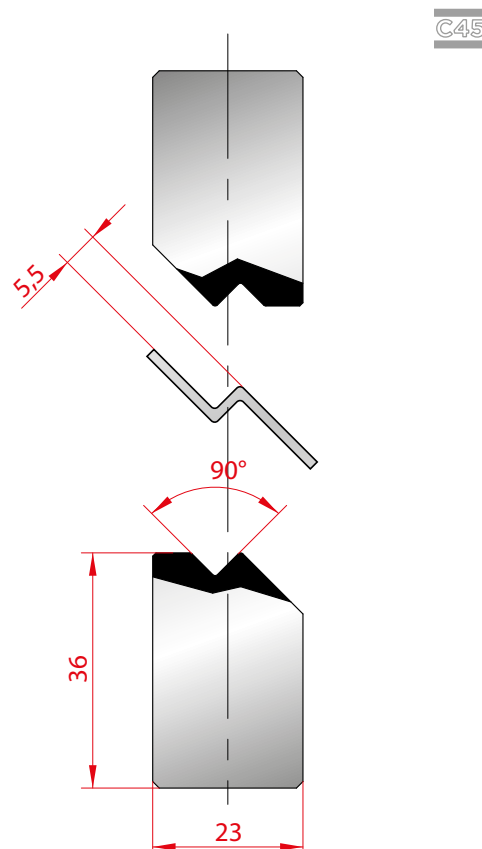


17055

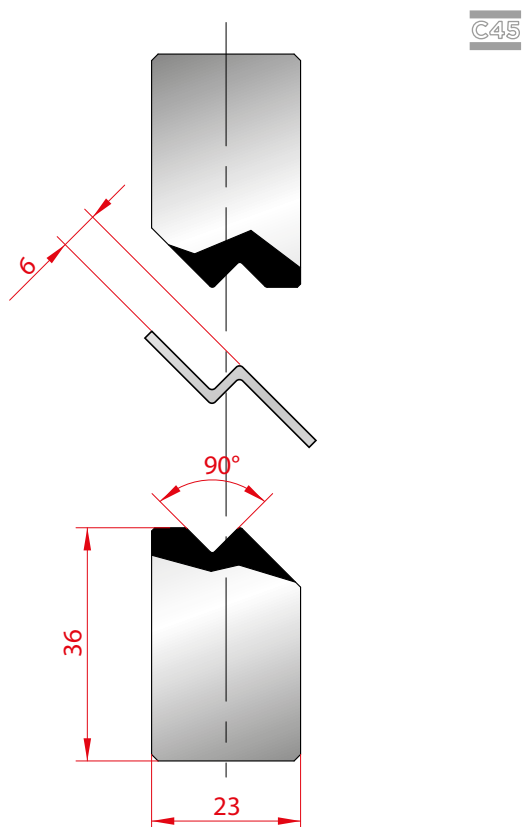
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176



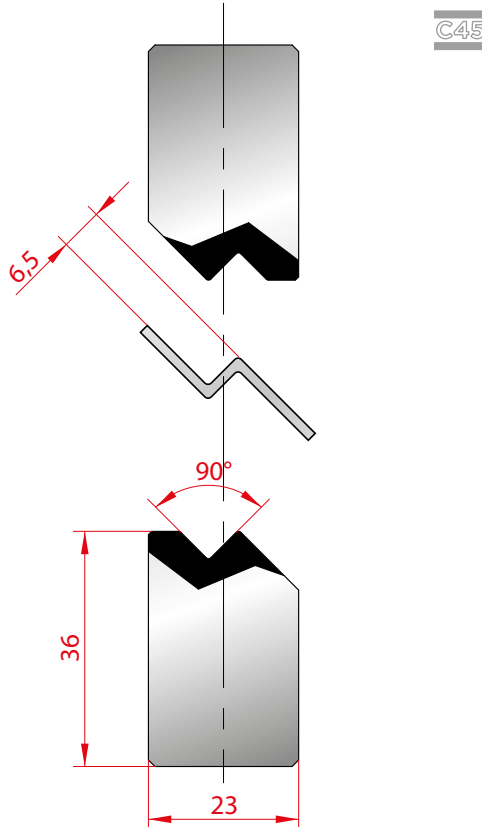
17070



17085



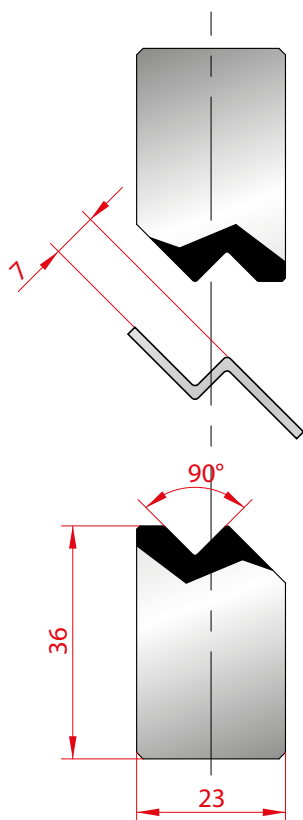
17100



17115

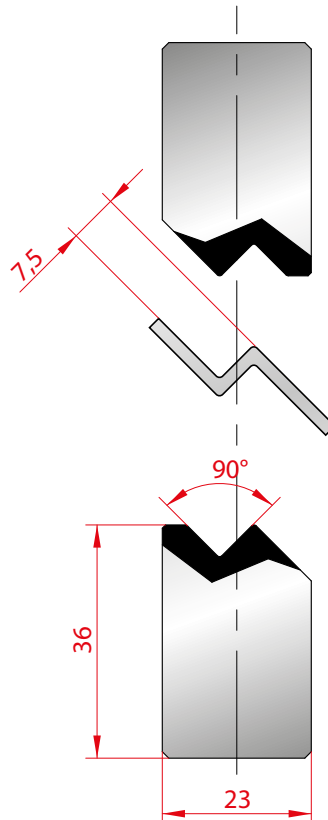
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176

C45



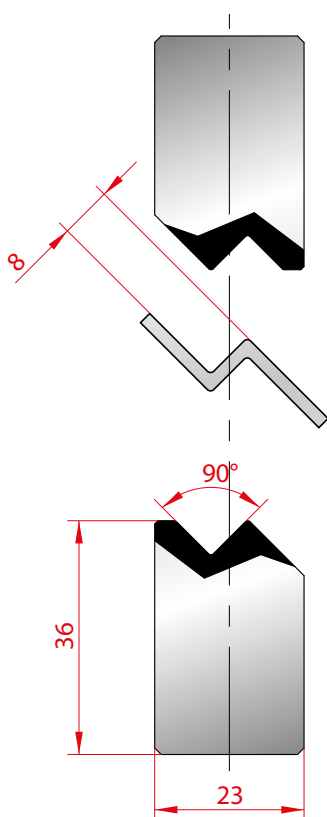
17130

C45



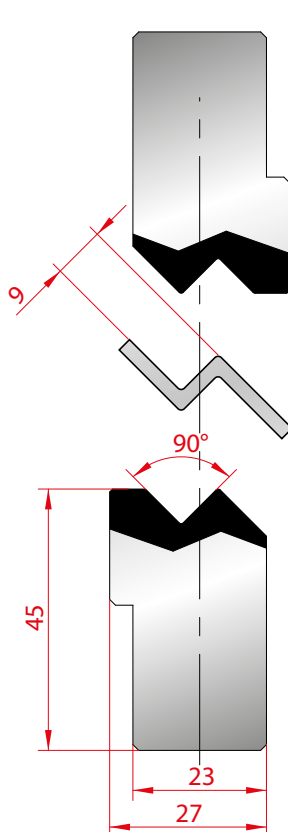
17145

C45



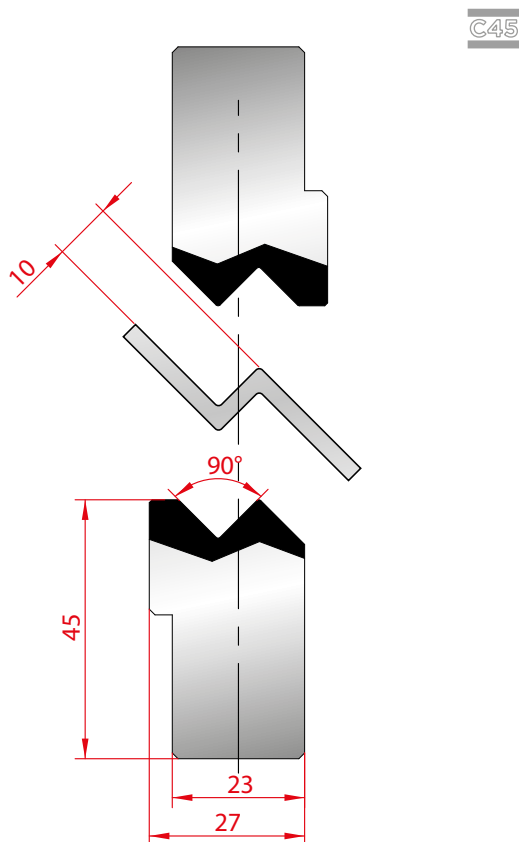
17160

C45

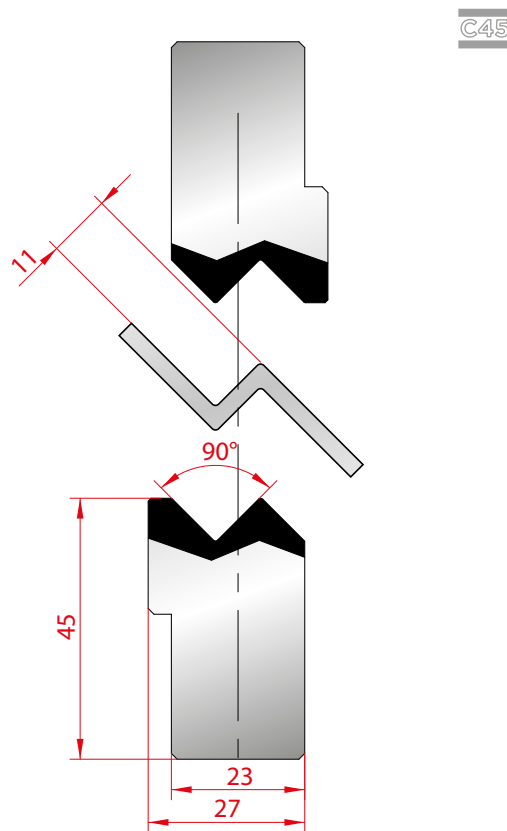


17175

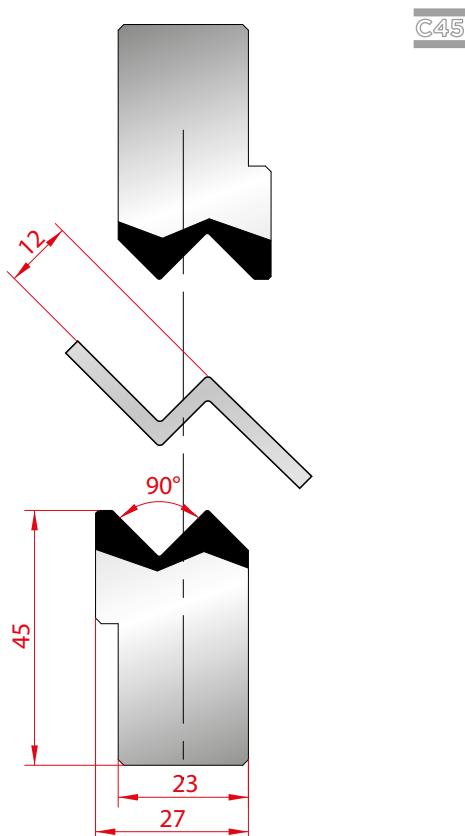
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176



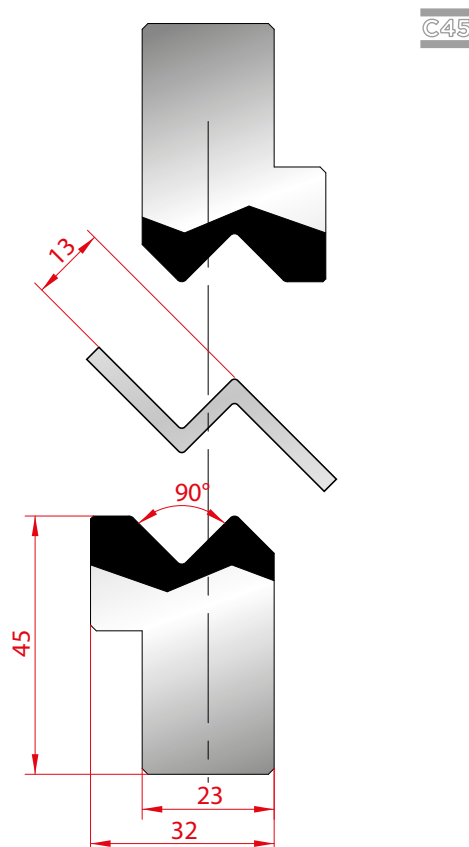
17190



17205



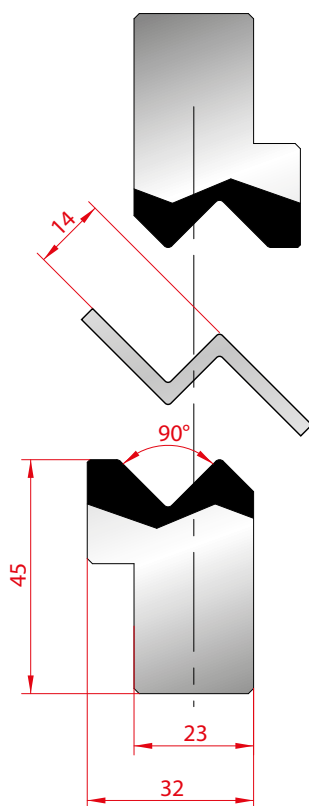
17220



19170

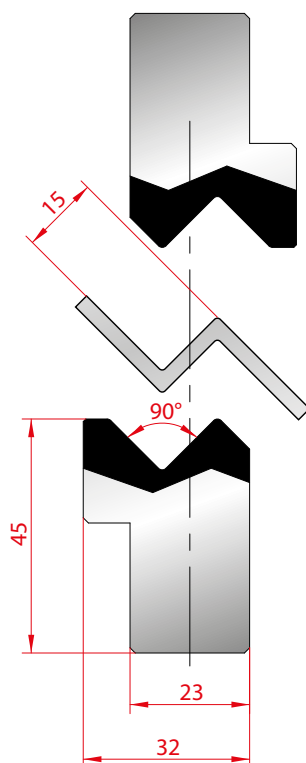
Per verificare la fattibilità della piega in base allo spessore lamiera, vedi tabella p. 176
To choose the right joggle tool based on the sheet thickness, please see the chart on page 176

C45

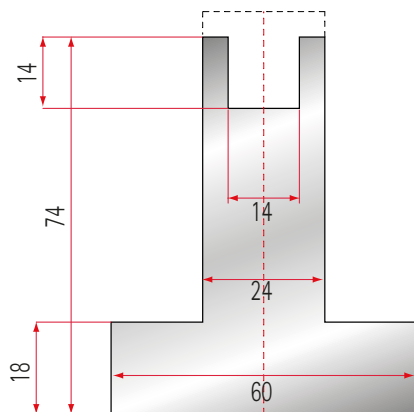


19185

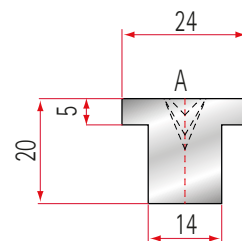
C45



19200

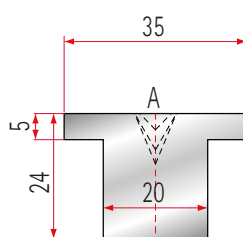
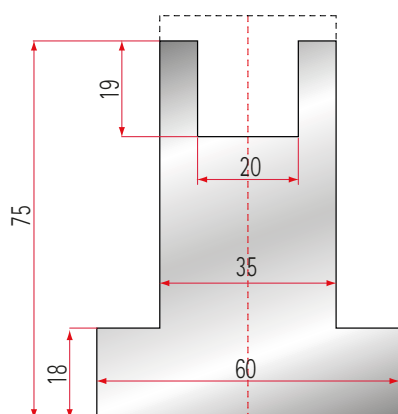


31635 AMADA STYLE



A	V			
88°	6	8	10	
60°	6	8	10	
45°	6	8	10	
30°	6	8		

31680



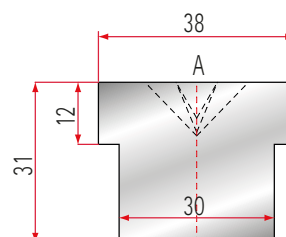
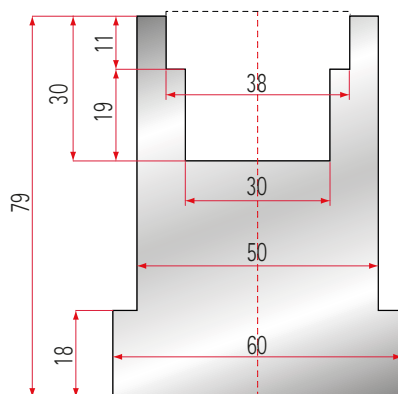
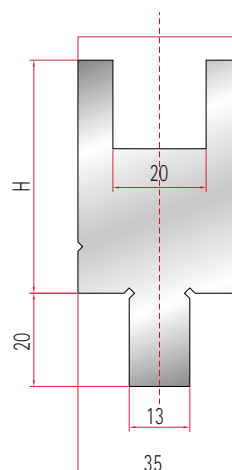
A	V					
88°	6	8	10	12	16	
60°	6	8	10	12	16	
45°	6	8	10	12		
30°	6	8	10			

31650 AMADA STYLE

31695

31725
BYSTRONIC
TRUMPF WILA
STYLE
H 50

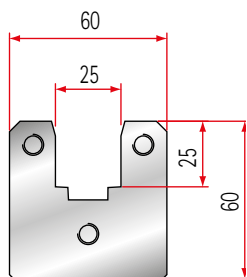
31740
BYSTRONIC
TRUMPF WILA
STYLE
H 95



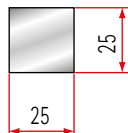
A	V						
88°	6	8	10	12	16	20	25
60°	6	8	10	12	16	20	
45°	6	8	10	12	16	20	
30°	6	8	10	12	16		

31665 AMADA STYLE

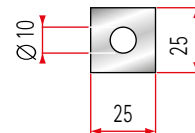
31710



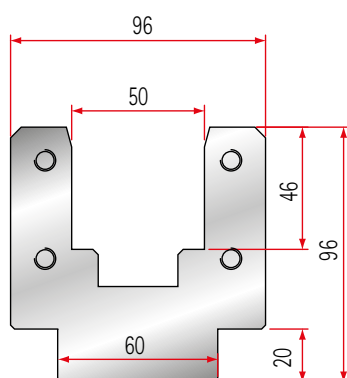
30540



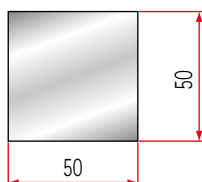
31515 92 shore



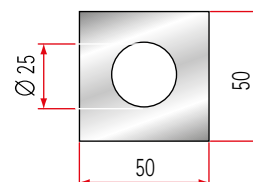
31575 H 95



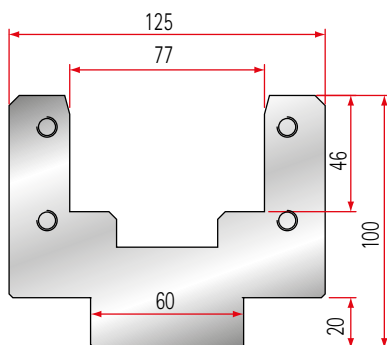
30555



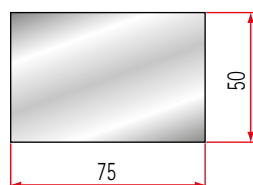
31530



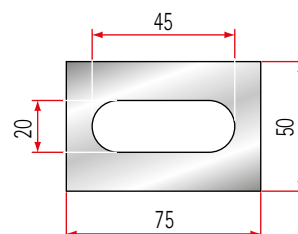
31590



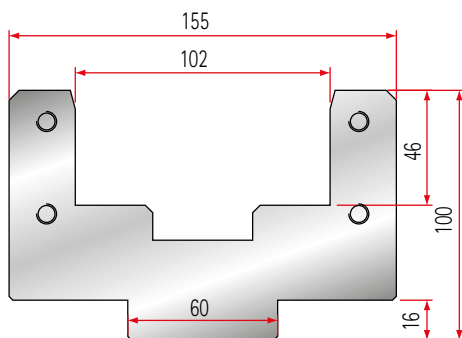
30570



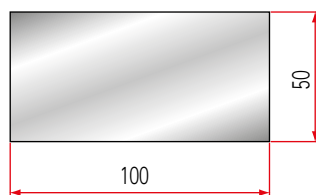
31545



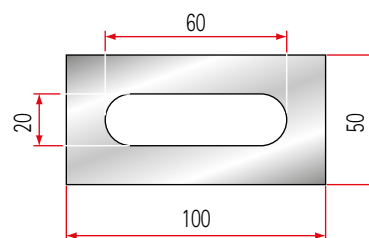
31605



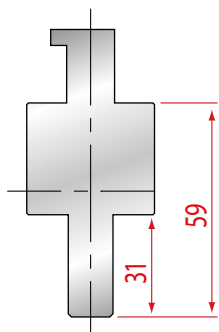
30600



31560

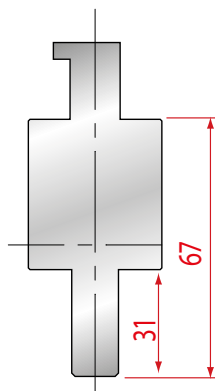


31620



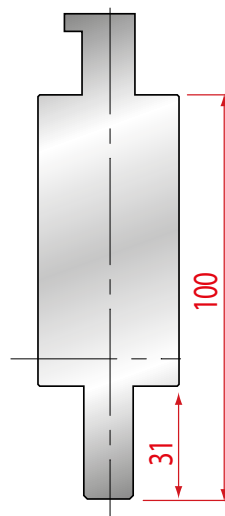
L = 150 mm

cod. **60000**



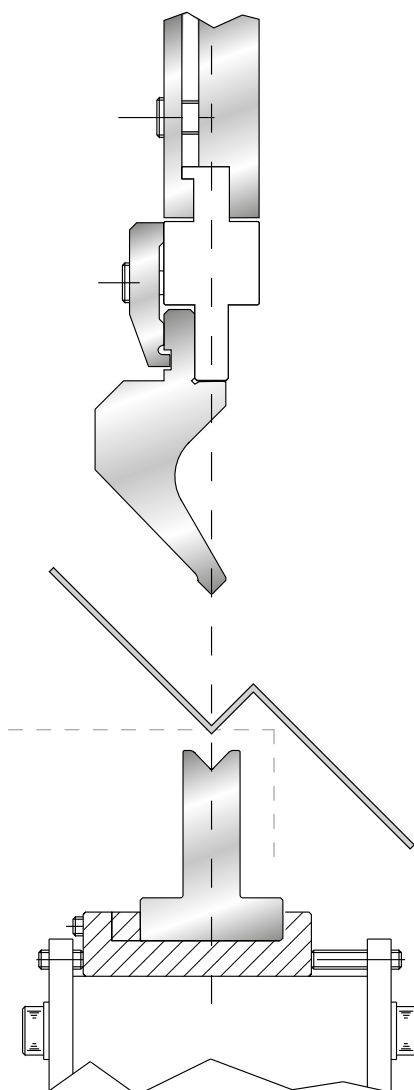
L = 150 mm

cod. **60015**

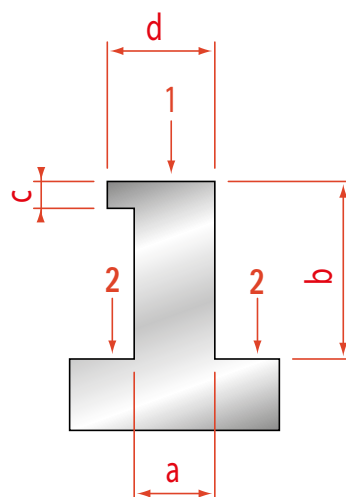


L = 150 mm

cod. **60030**



	1	2
a =		
b =		
c =		
d =		

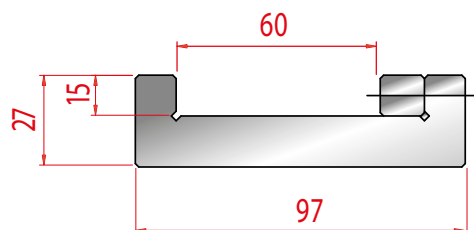


Indicare quote
d'attacco e
punti di spinta.

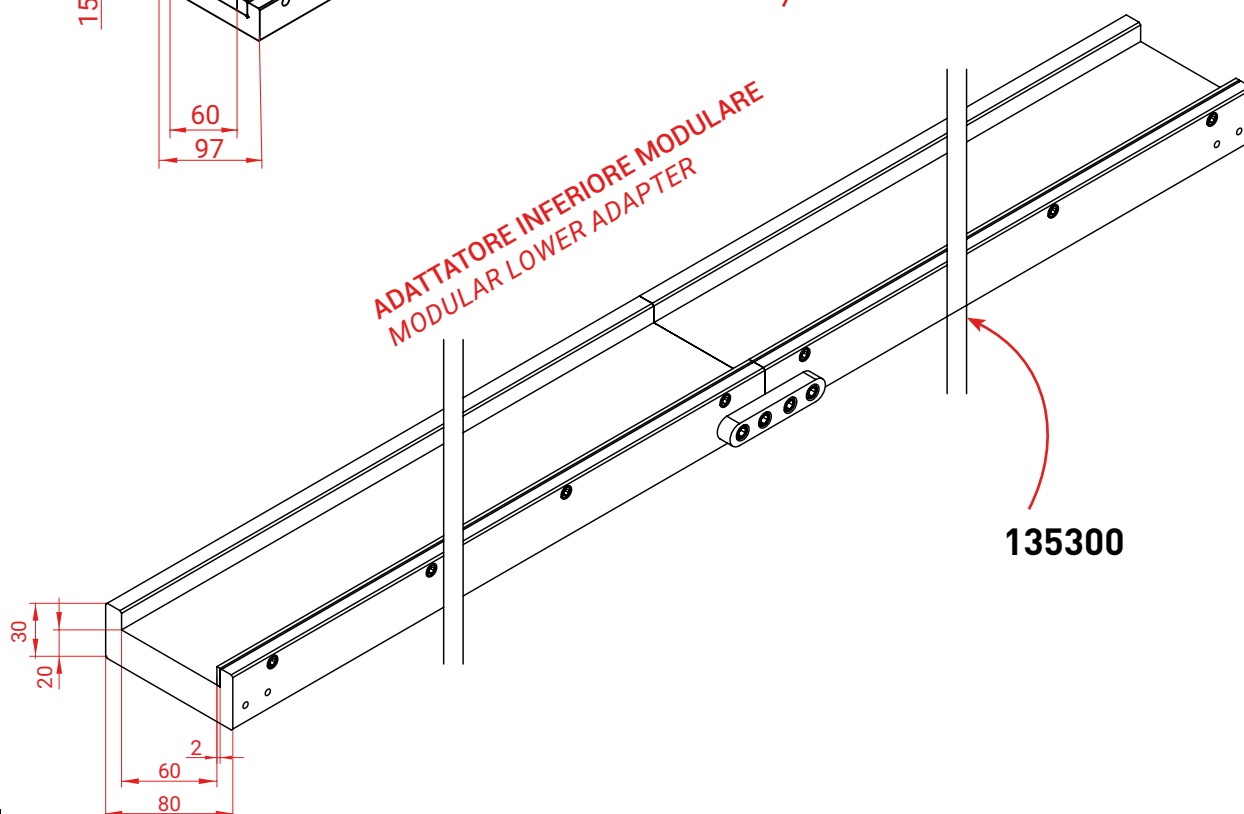
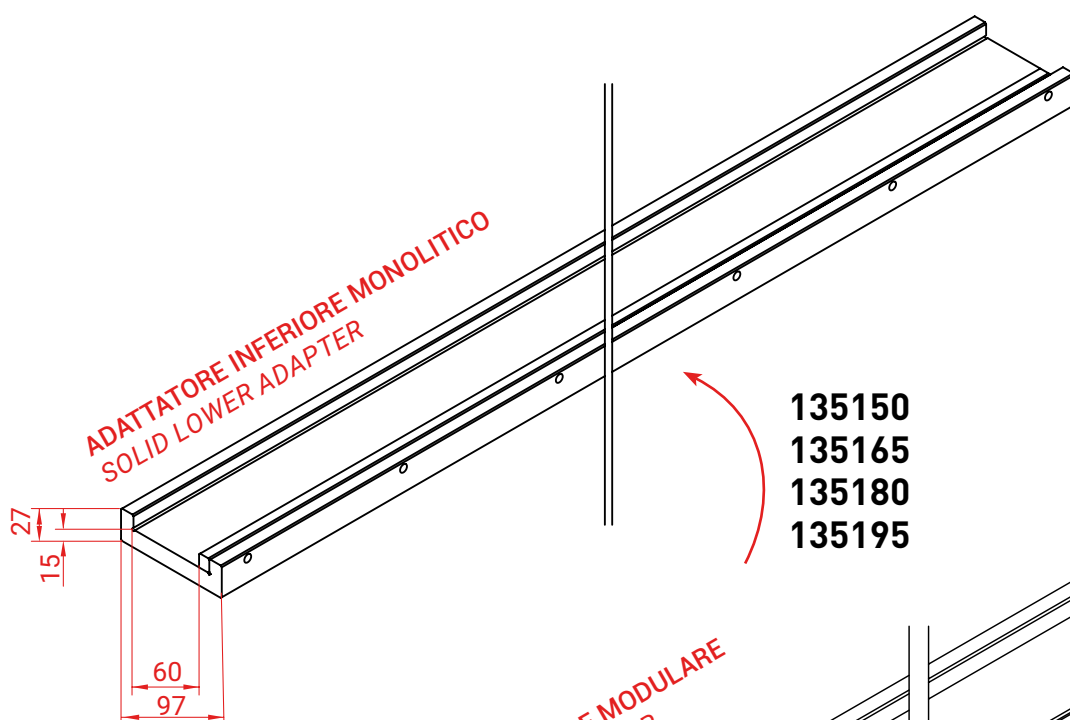
*Please mark
contact odds and
pressure points.*

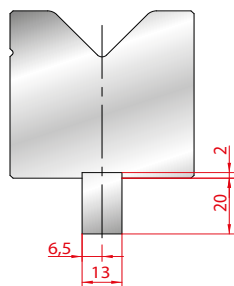
135300

*Ordine minimo n. 5 intermediari
Minimum order n. 5 intermediates*



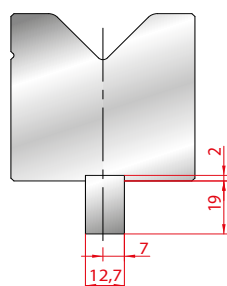
cod. 135150	2100 mm
cod. 135165	2600 mm
cod. 135180	3100 mm
cod. 135195	4100 mm





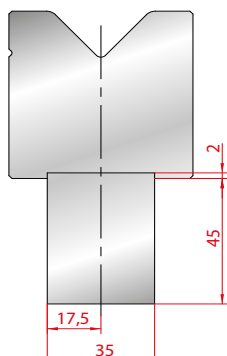
BYSTRONIC
TRUMPF

121500



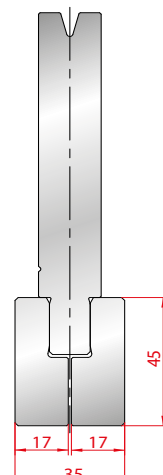
LVD

121515



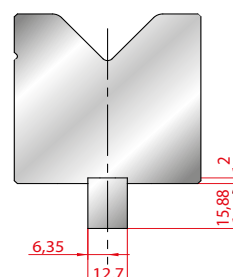
WEINBRENNER

121530



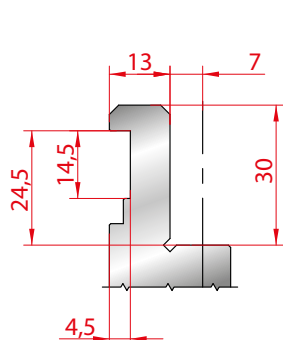
WEINBRENNER

121575



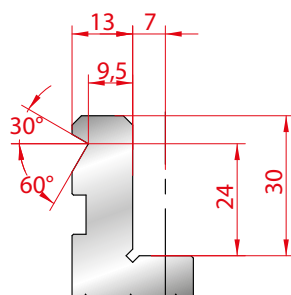
AMERICAN

121605



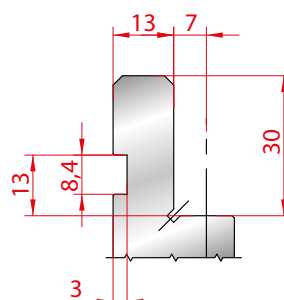
BARRETTA

120150



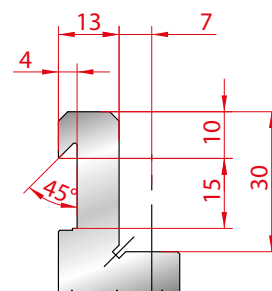
BMB

120165



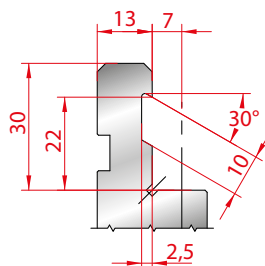
AMADA-PROMECAM

120180



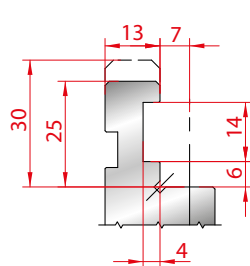
GASPARINI

120195



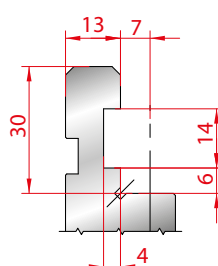
TEDA

120210



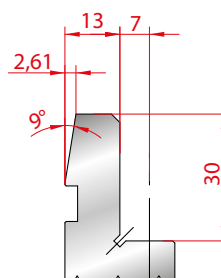
EURO
BYSTRONIC

120240



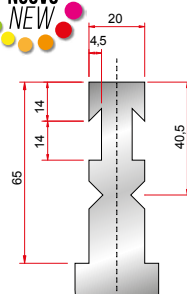
BYSTRONIC

120255



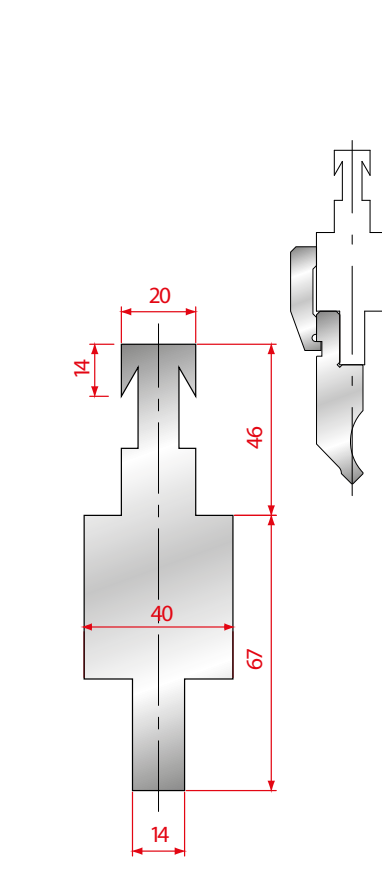
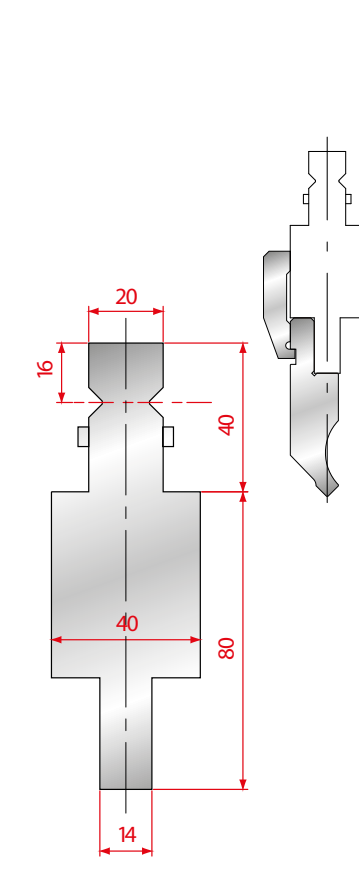
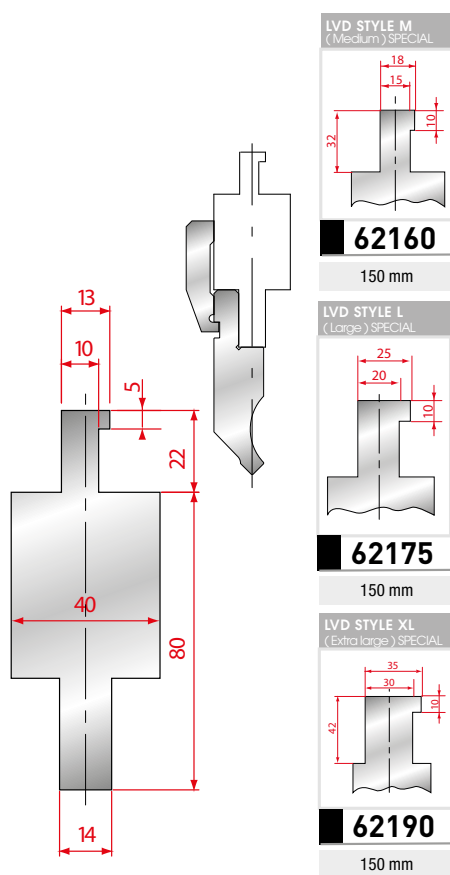
ONE TOUCH

120300



BYSTRONIC
RF-A

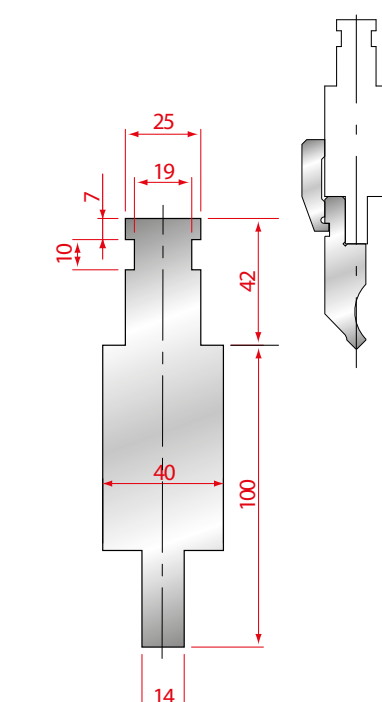
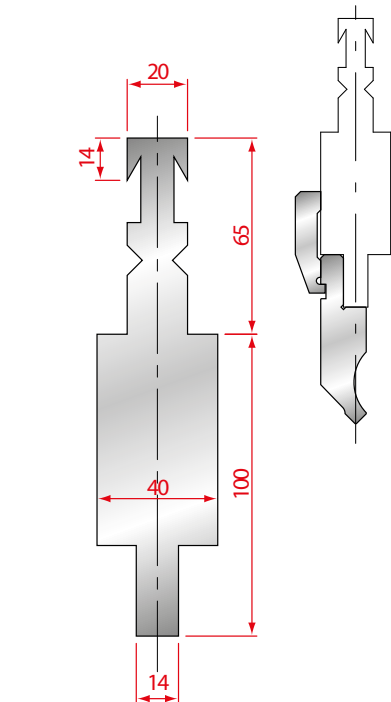
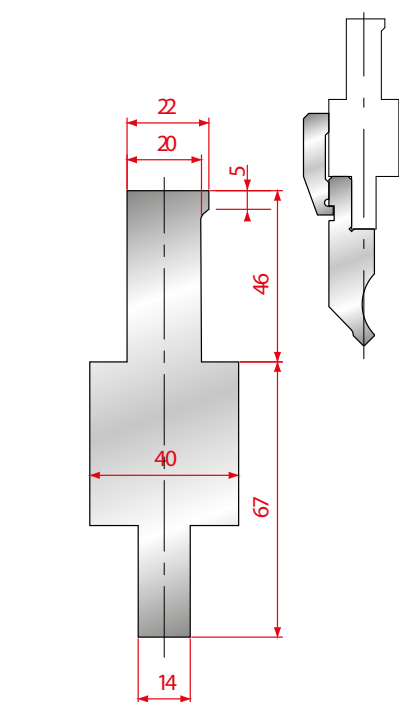
120330



LVD STYLE S (SMALL) STANDARD
62145 L = 150 mm

WILA/TRUMPF
62865 L = 150 mm

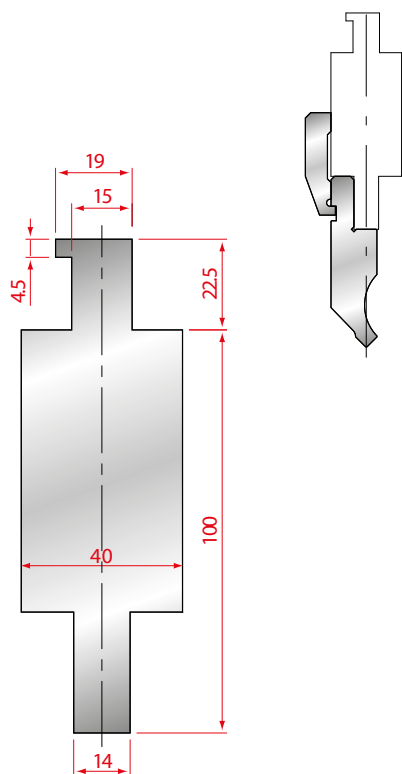
BYSTRONIC-R
62880 L = 150 mm



BYSTRONIC-S
62895 L = 150 mm

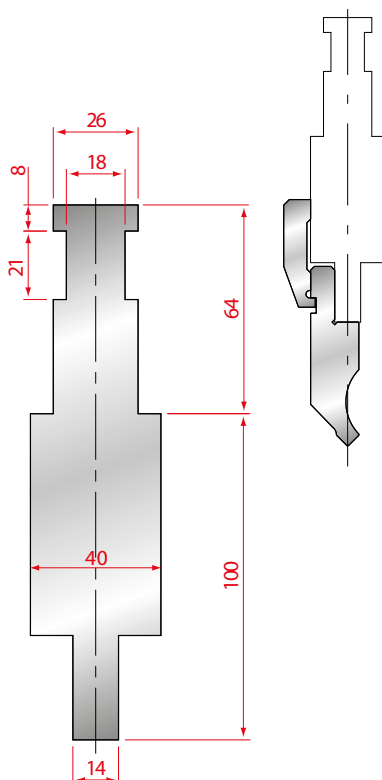
BYSTRONIC-RF-A
63210 L = 150 mm

WEINBRENNER
63225 L = 150 mm



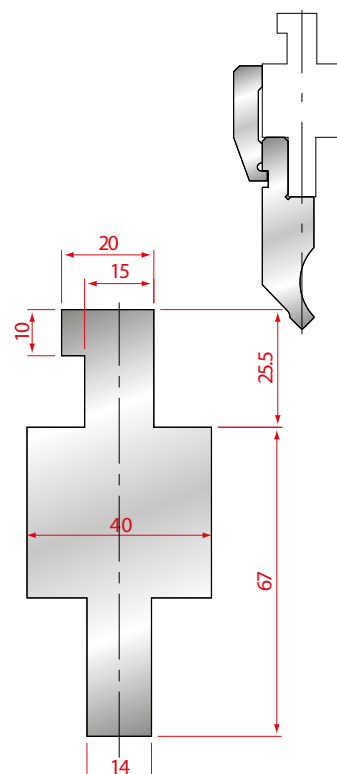
CBC

63240 L = 150 mm



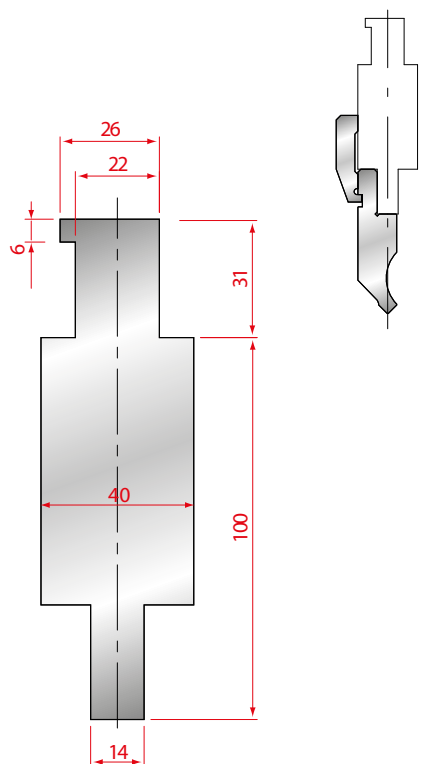
EHT

63225 L = 150 mm



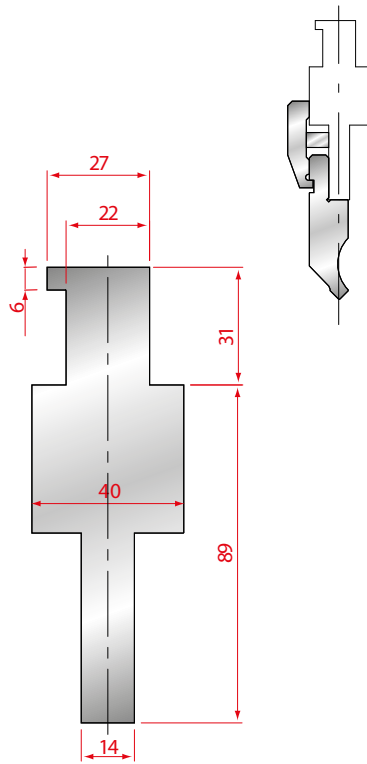
DURMAZLAR

63270 L = 150 mm



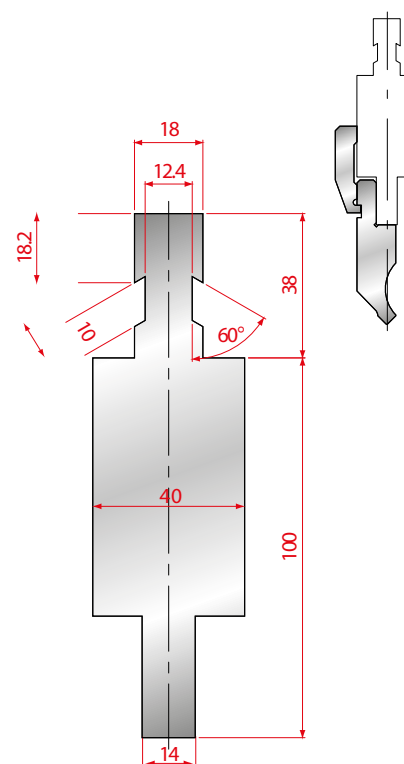
DARLEY

63435 L = 150 mm



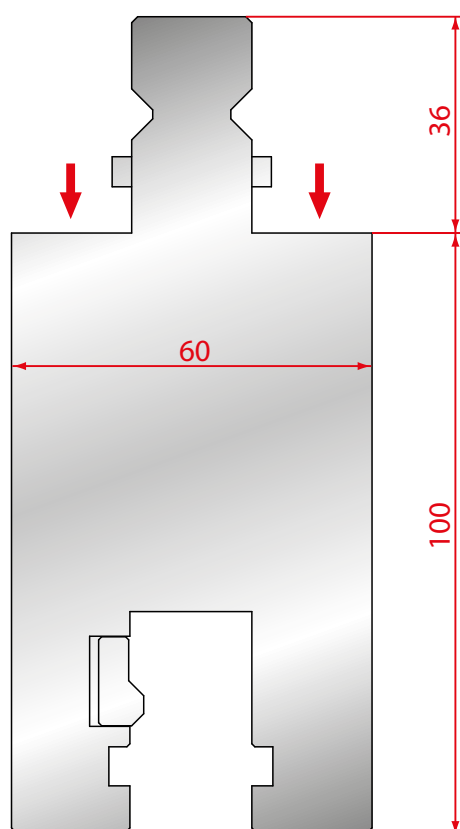
BAYCAL

64080 L = 150 mm



COLGAR

64095 L = 150 mm

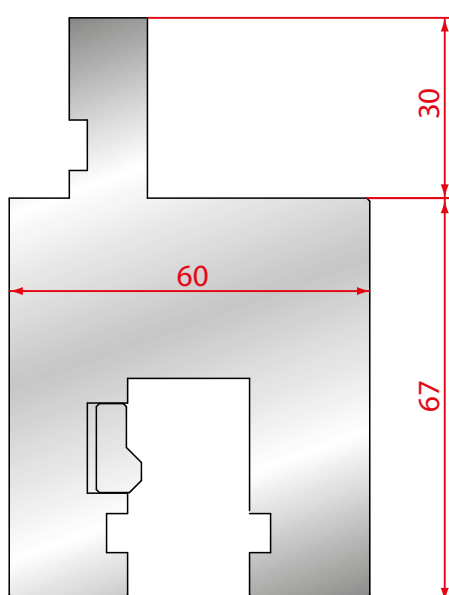


TRUMPF
TRUMPF

65415

H 100 L = 150

PROLUNGA
EXTENSION

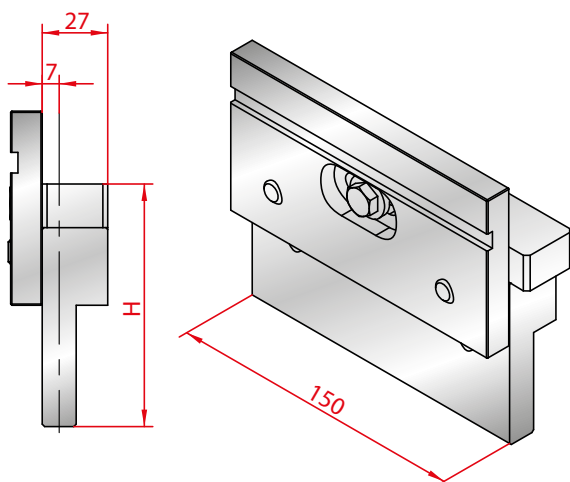


AMADA
TRUMPF

65430

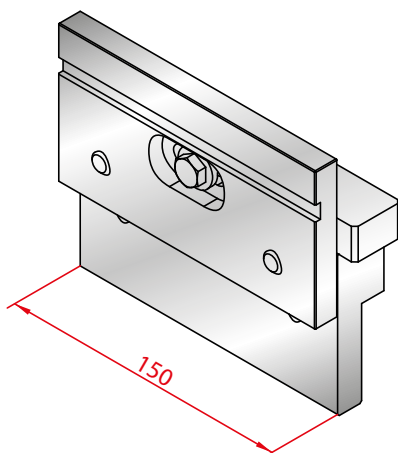
H 67 L = 150

ADATTATORE
ADAPTOR



H = 100 mm

63315

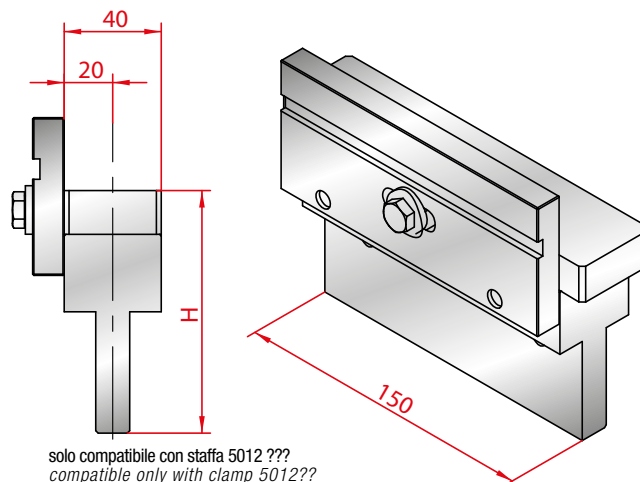


H = 120 mm

63330

H = 150 mm

63345



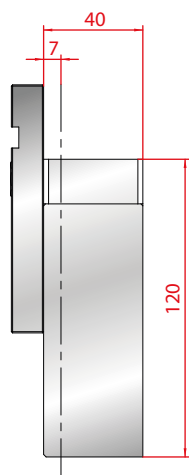
solo compatibile con staffa 5012 ???
compatible only with clamp 5012???

H = 100 mm

63360

H = 120 mm

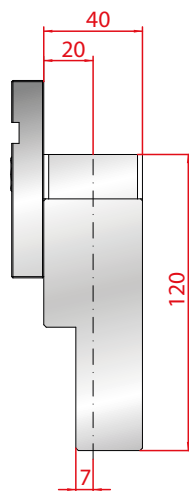
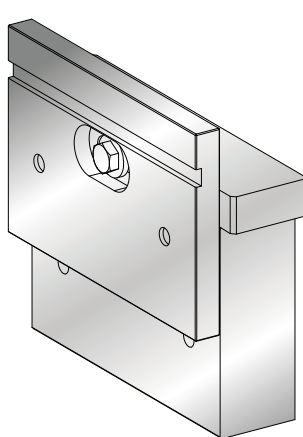
63375



per alti tonnellaggi
heavy duty

61095

H = 120 mm



per alti tonnellaggi
heavy duty

66165

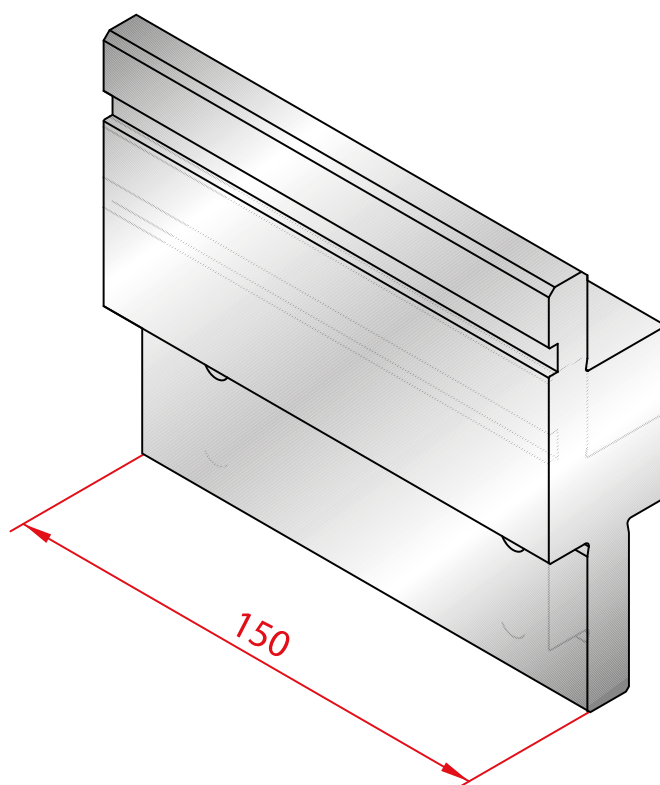
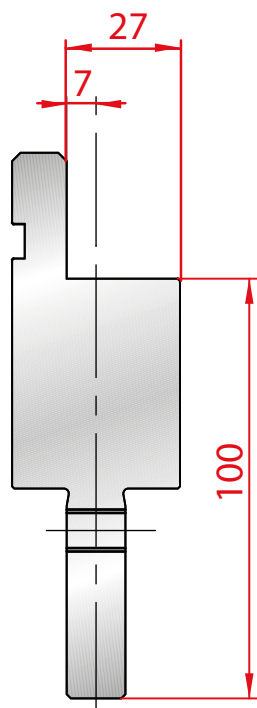
H = 120 mm

IN BASE ALLE GIACENZE DI MAGAZZINO GLI INTERMEDIARI POTRANNO ESSERE FORNITI:

- a) con corpo monolitico e cuneo
- b) con attacco e corpo avvitati

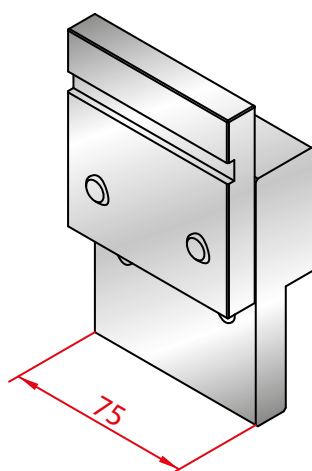
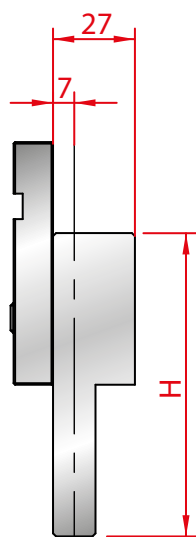
SUBJECT TO AVAILABILITY, INTERMEDIATES COULD BE PROVIDED:

- a) with a solid body and wedge
- b) as a bolted construction with a bolted tang and body



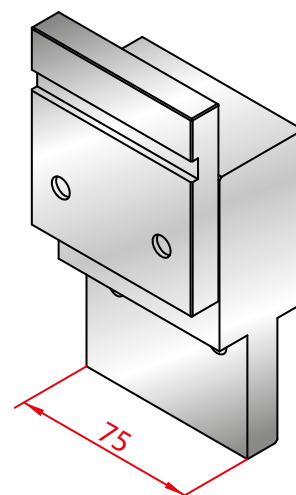
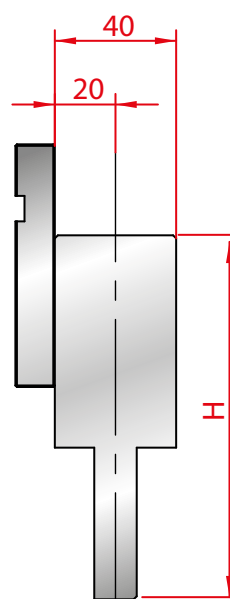
64230

H = 120 mm



H = 100 mm

63390



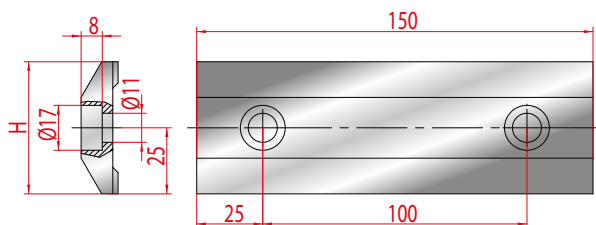
H = 150 mm

63405

63420

H = 120 mm

Le viti sono incluse solo con l'acquisto della staffa assieme ad un intermediario
Screws included only with the purchase of the intermediates

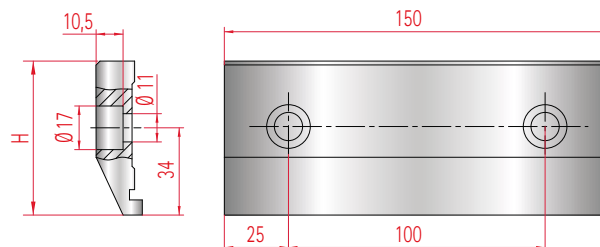


H = 50 mm

60240

H = 43 mm

75195

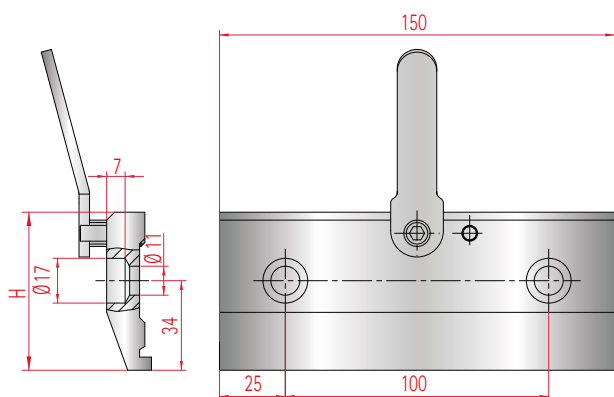


H = 60 mm

60300

H = 52 mm

75180

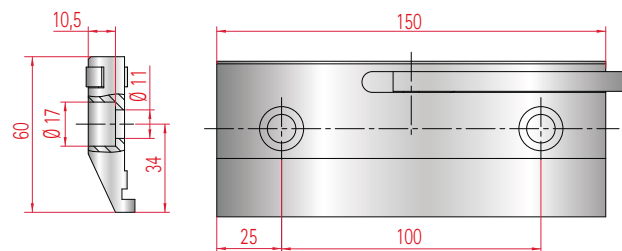


H = 60 mm

60315

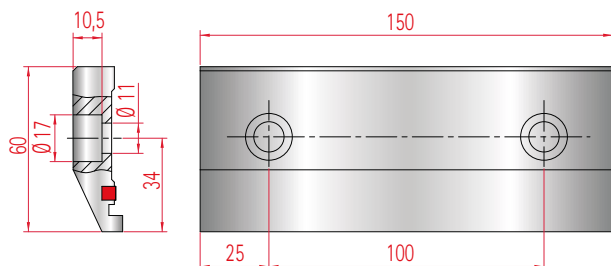
H = 52 mm

75165



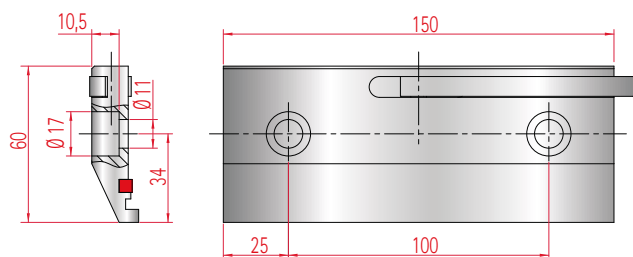
H = 60 mm

60135



H = 60 mm

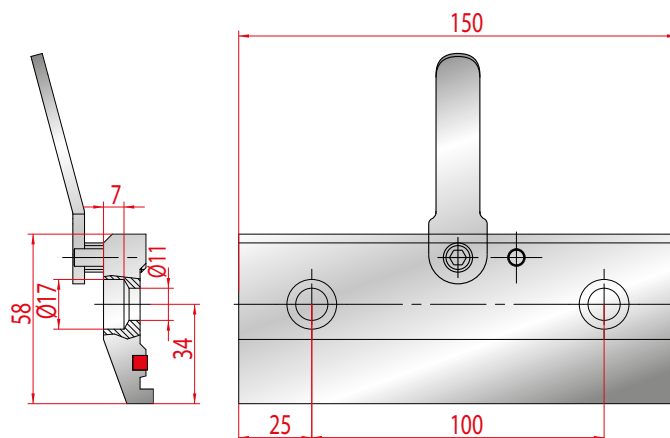
62985



H = 60 mm

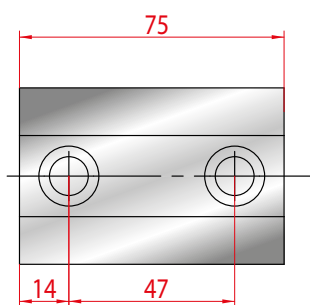
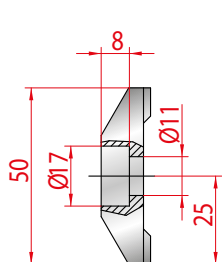
63300

Le viti sono incluse solo con l'acquisto della staffa assieme ad un intermediario
Screws included only with the purchase of the intermediates



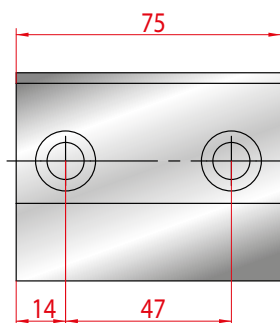
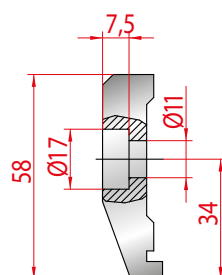
H = 58 mm

63285



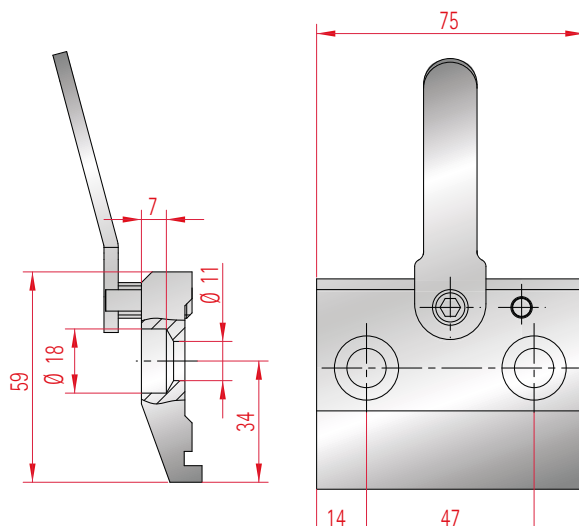
H = 50 mm

60120



H = 58 mm

61350

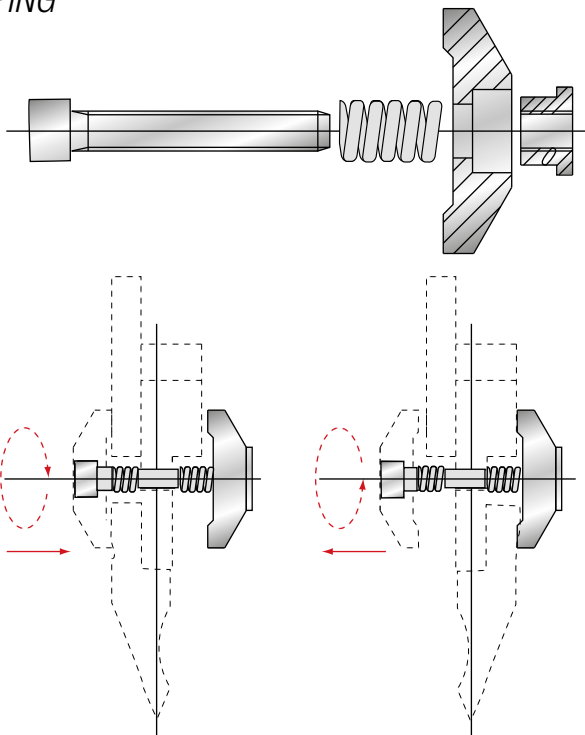


H = 59 mm

60105

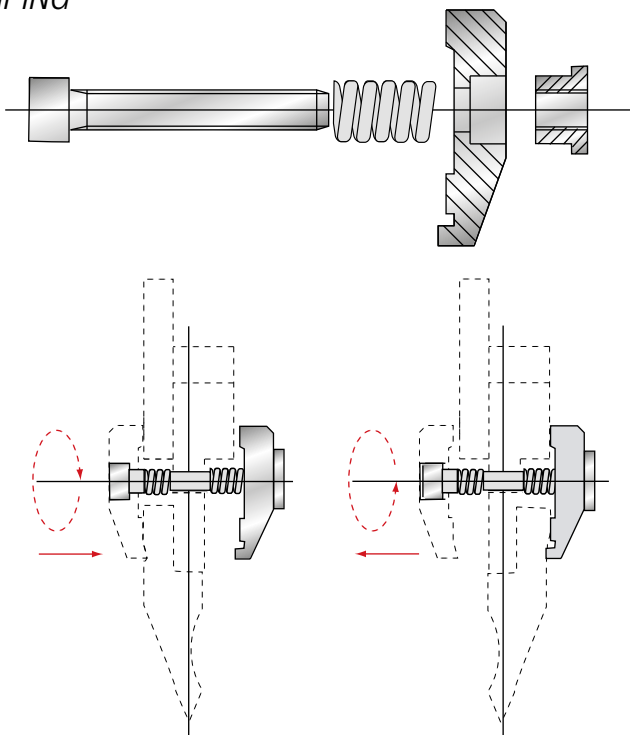
Le viti sono incluse solo con l'acquisto della staffa assieme ad un intermediario
Screws included only with the purchase of the intermediates

KIT PER DOPPIO STAFFAGGIO
EQUIPMENT FOR DOUBLE CLAMPING

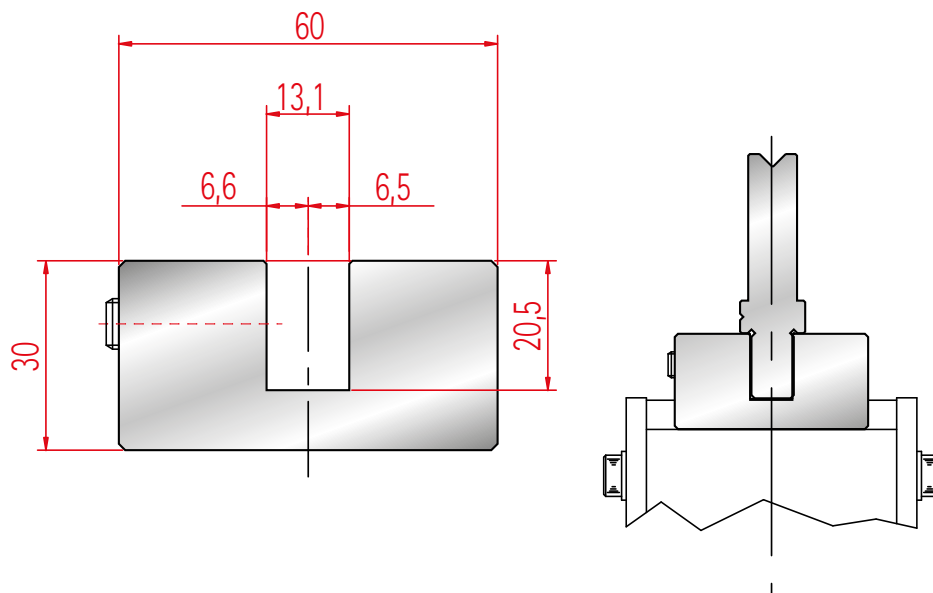


60465

KIT PER DOPPIO STAFFAGGIO
EQUIPMENT FOR DOUBLE CLAMPING

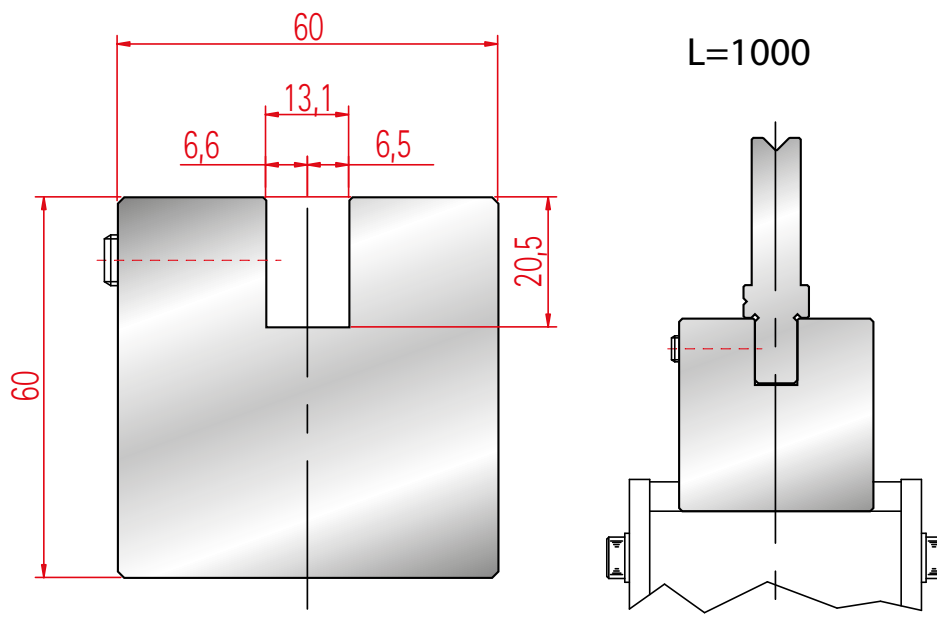


60480



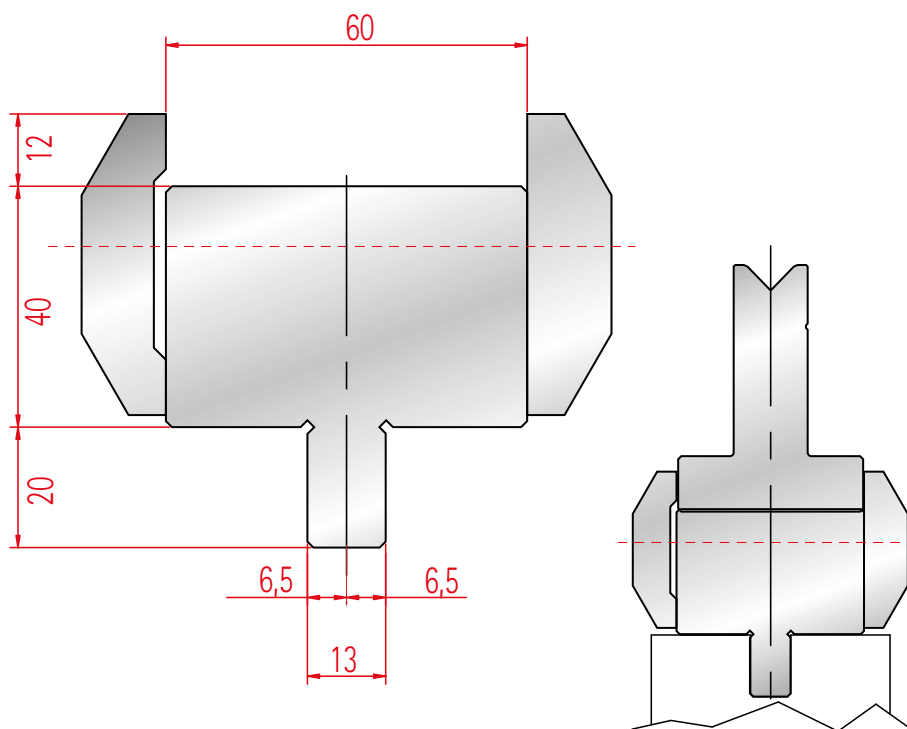
AMADA - BYSTRONIC / TRUMPF

64515 L = 1000 mm - L = 500 mm



AMADA - BYSTRONIC / TRUMPF

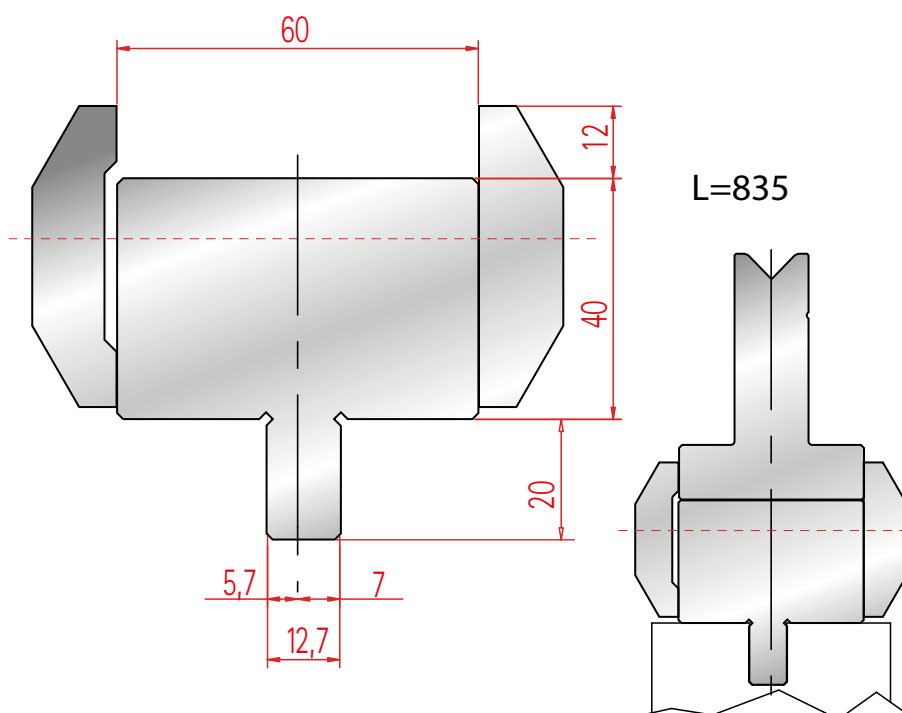
64530 L = 1000 mm - L = 500 mm



AMADA - BYSTRONIC / TRUMPF

64545

L = 835 mm - L = 415 mm

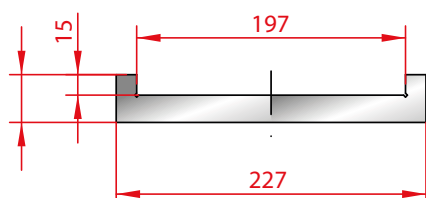


LVD - AMADA

64560

L = 835 mm - L = 415 mm

PER MATRICE / FOR DIE 47850



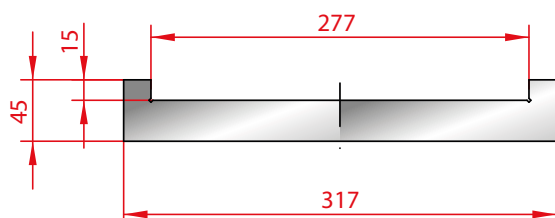
2000 mm
1000 mm
500 mm

**SPECIFICO PER
ATTACCO WILA /
TRUMPF**
*WILA / TRUMPF
DEDICATED TANG*

135225

135270

PER MATRICE / FOR DIE 47865

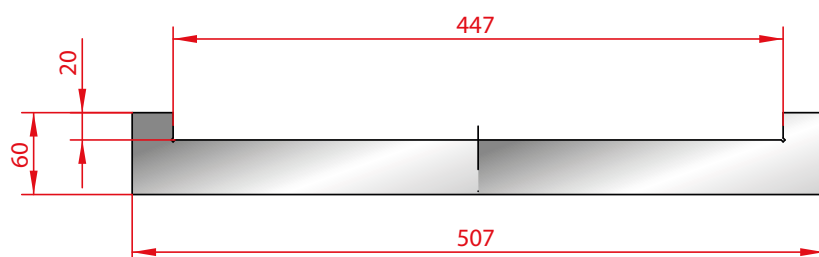


**SPECIFICO PER
ATTACCO
WILA / TRUMPF**
*WILA / TRUMPF
DEDICATED TANG*

135240

135285

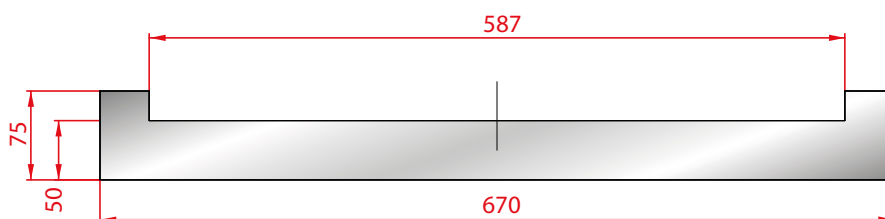
**PER MATRICE / FOR DIE
47880**



2000 mm
1000 mm
500 mm

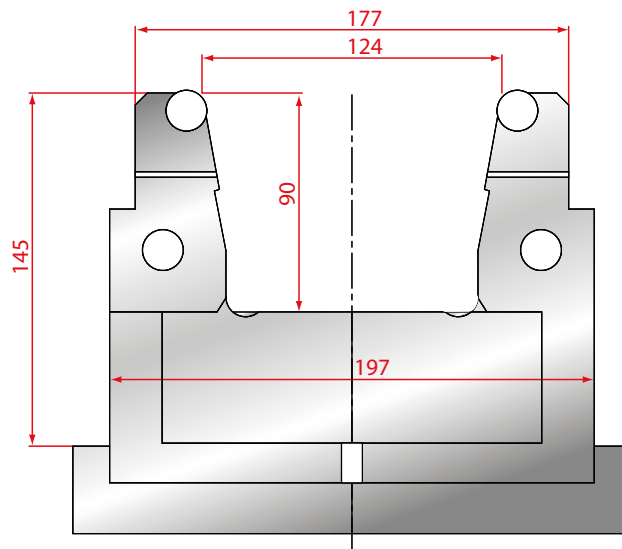
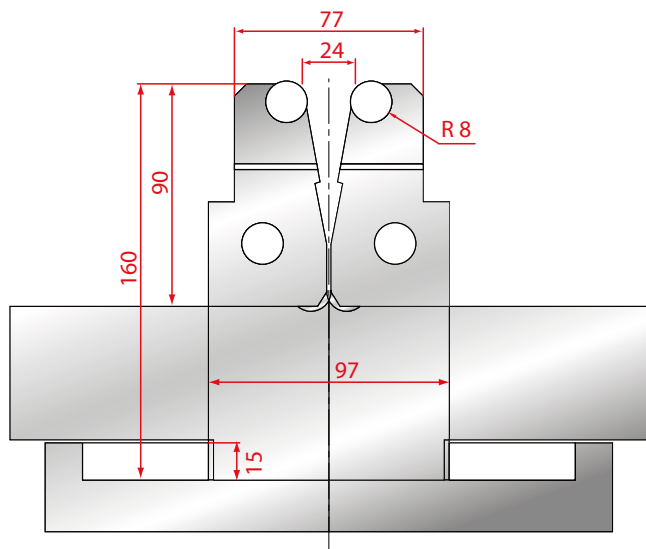
135210

**PER MATRICE / FOR DIE
48630**



2000 mm
1000 mm
500 mm

135255



135225 ,135270

ANGOLO MINIMO DI PIEGA /
MINIMUM BEND ANGLE = 30°

APERTURA V / V WIDTH
MIN 24MM –MAX. 124MM

F MAX = 125 TON/M AT 90°

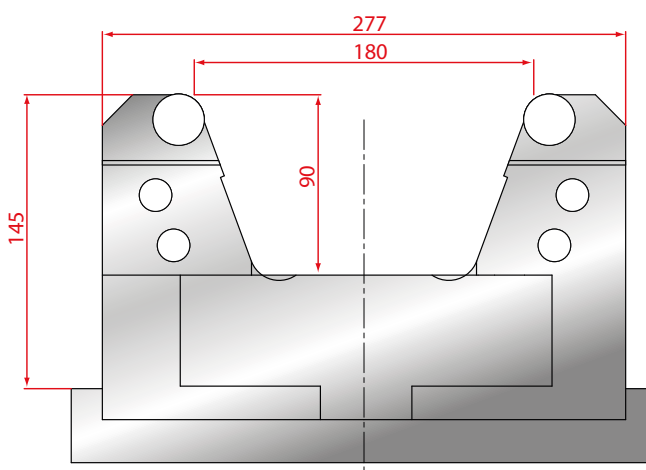
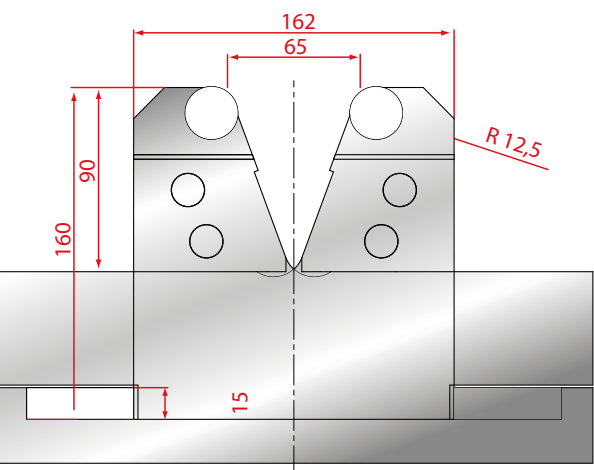
1050 mm

1000 mm

550 mm

500 mm

250 mm



135240 ,135285

ANGOLO MINIMO DI PIEGA /
MINIMUM BEND ANGLE = 60°

APERTURA V / V WIDTH
MIN 65MM –MAX. 180MM

F MAX = 200 TON/M AT 90°

1050 mm

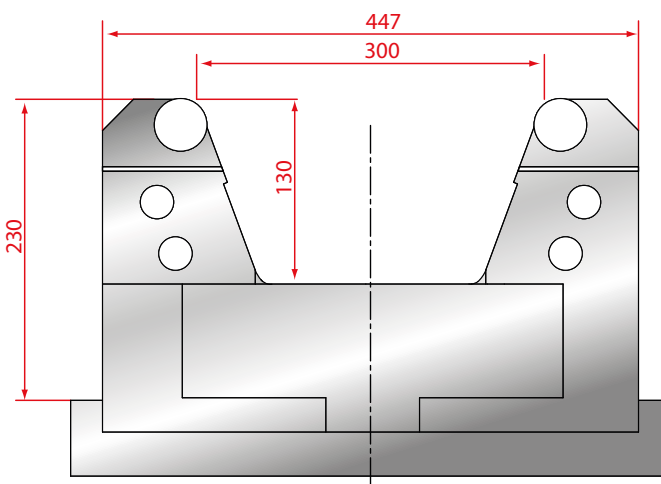
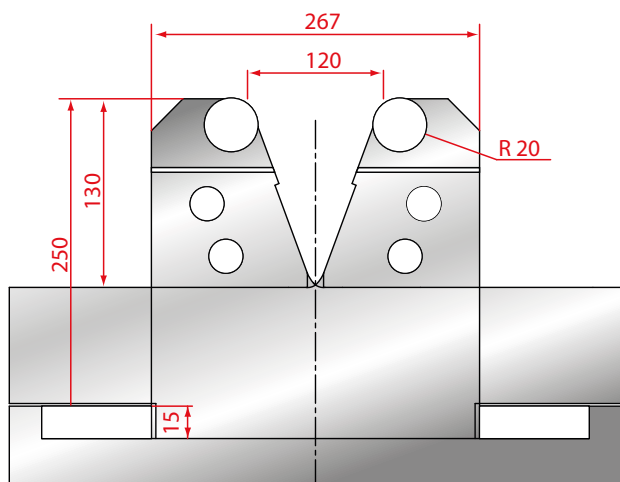
1000 mm

550 mm

500 mm

250 mm

47865



ANGOLO MINIMO DI PIEGA /
MINIMUM BEND ANGLE = 60°

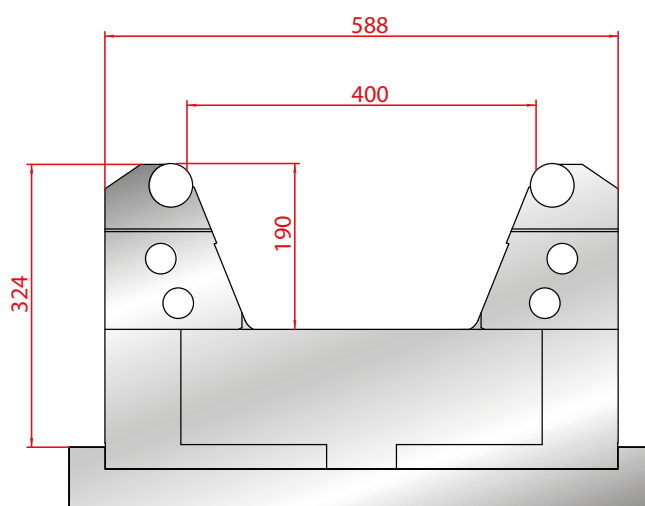
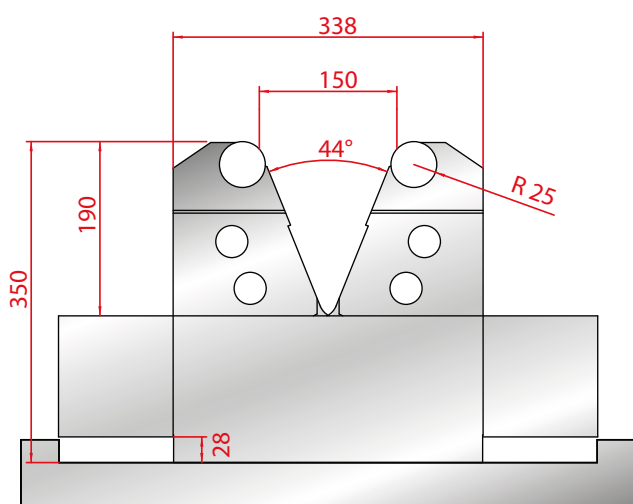
135210

APERTURA V / V WIDTH
MIN 120MM –MAX. 300MM

600 mm

47880

F MAX = 400 TON/M AT 90°



ANGOLO MINIMO DI PIEGA
MINIMUM BEND ANGLE = 60°

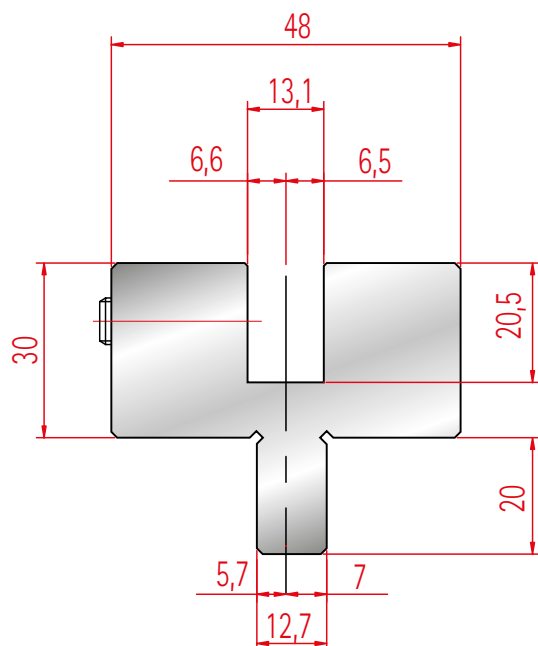
135255

APERTURA V / V WIDTH
MIN 150MM –MAX. 400MM

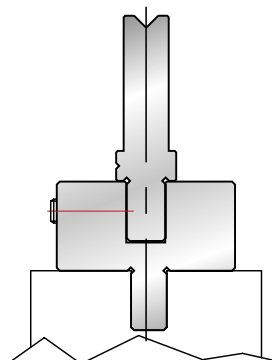
600 mm

48645

F MAX = 600 TON/M AT 90°



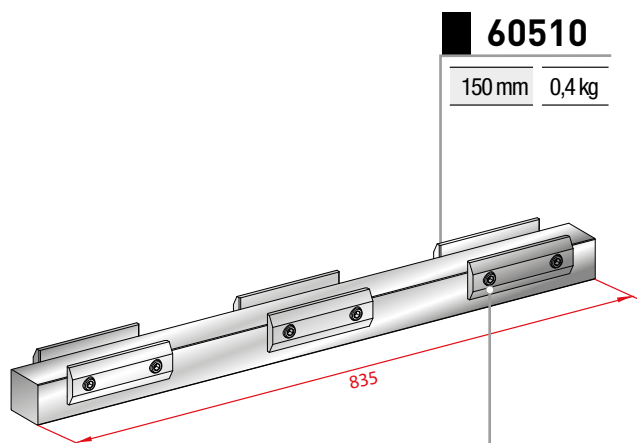
L=1000



LVD - BYSTRONIC / TRUMPF

64575

L = 1000 mm - L = 500 mm

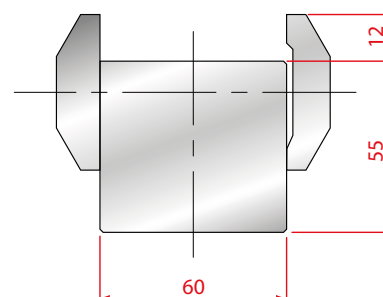


60510

150 mm 0,4 kg

60240

150 mm



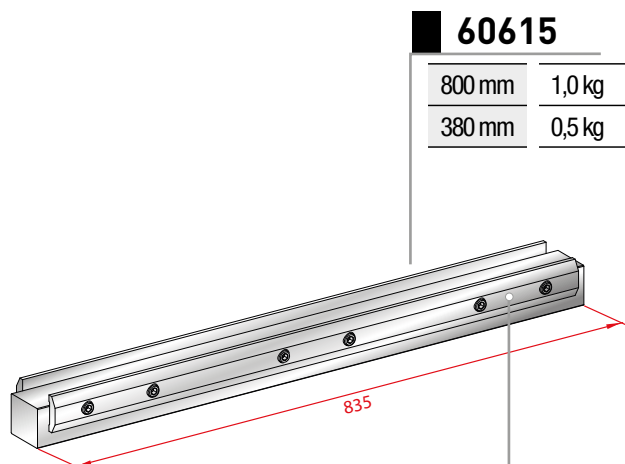
**CONTROTAVOLA
AMADA STYLE**

AMADA STYLE
LOWER ADAPTER

60495

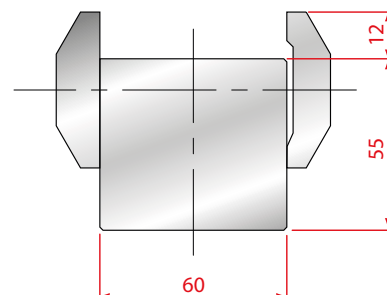
835 mm

415 mm



60615

800 mm	1,0 kg
380 mm	0,5 kg



60600

800 mm
380 mm

**CONTROTAVOLA
AMADA STYLE**

*AMADA STYLE
LOWER ADAPTER*

60750

835 mm

415 mm



64635

Coppia di supporti per pellicole / tessuti protettivi
Couple of support for protective sheet / fabric

Spessore / thickness	0,5 mm	Lunghezza / length	33 m
Larghezza / width	105 mm		

64620

Pellicola di poliuretano antigraffio
Scratch-resistant polyurethane film

Spessore / thickness	0,8 mm	Lunghezza / length	33 m
Larghezza / width	95 mm		

64710

Pellicola di poliuretano antigraffio
Scratch-resistant polyurethane film



L =	5 m
L =	10 m
Spessore / thickness	Max 3 mm

65685

**Tessuto protettivo per prevenire e
Ridurre entità di marcature su lamiera**
*Protec fabric for avoiding / limiting the
Entity of marks of the sheet metal*

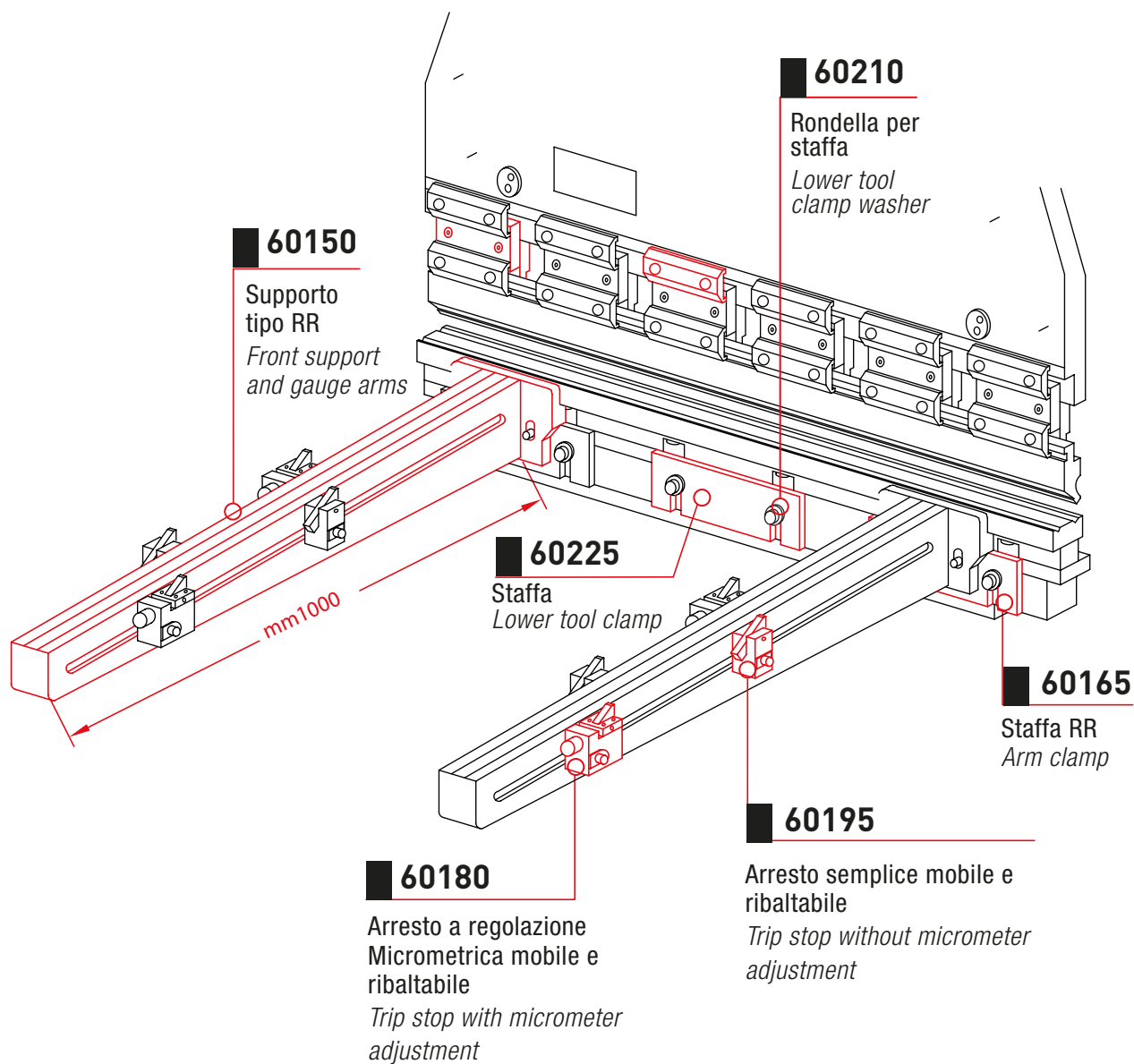


L =	5 m
L =	10 m
Spessore / thickness	Max 6 mm

65700

**Tessuto protettivo per prevenire e
Ridurre entità di marcature su lamiera**
*Protec fabric for avoiding / limiting the
Entity of marks of the sheet metal*





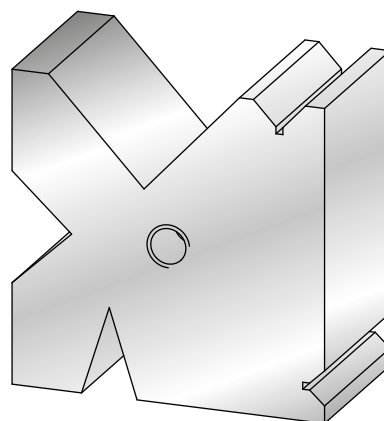
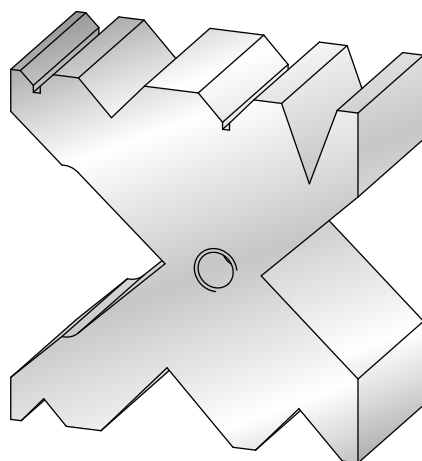
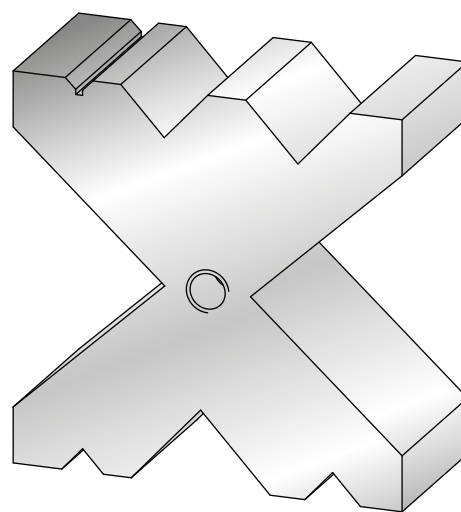
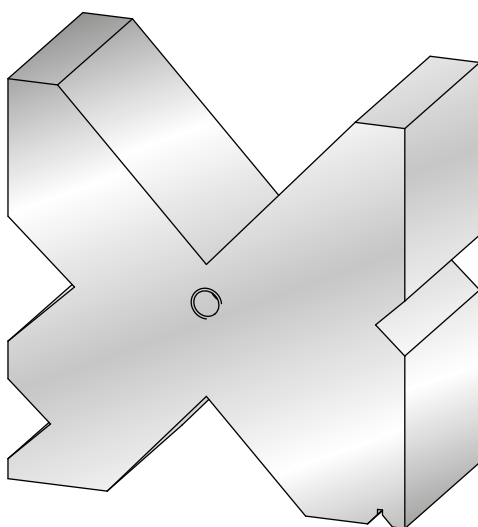
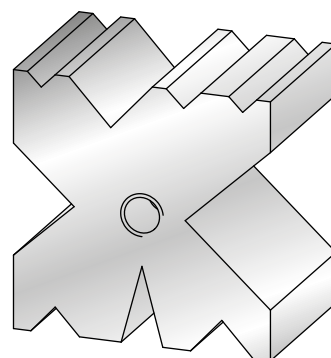
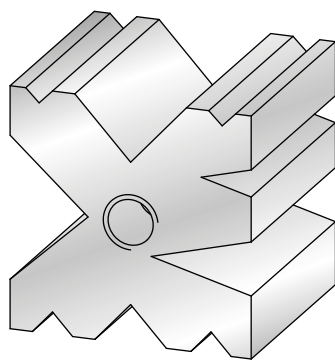
64590

Squadre di riferimento
Reference squares



64605

Squadre di riferimento orientabili
Adjustable reference squares



MATERIALI
MATERIALS

1.2312

C45

42CrMo4
BONIFICATO
QUENCHED

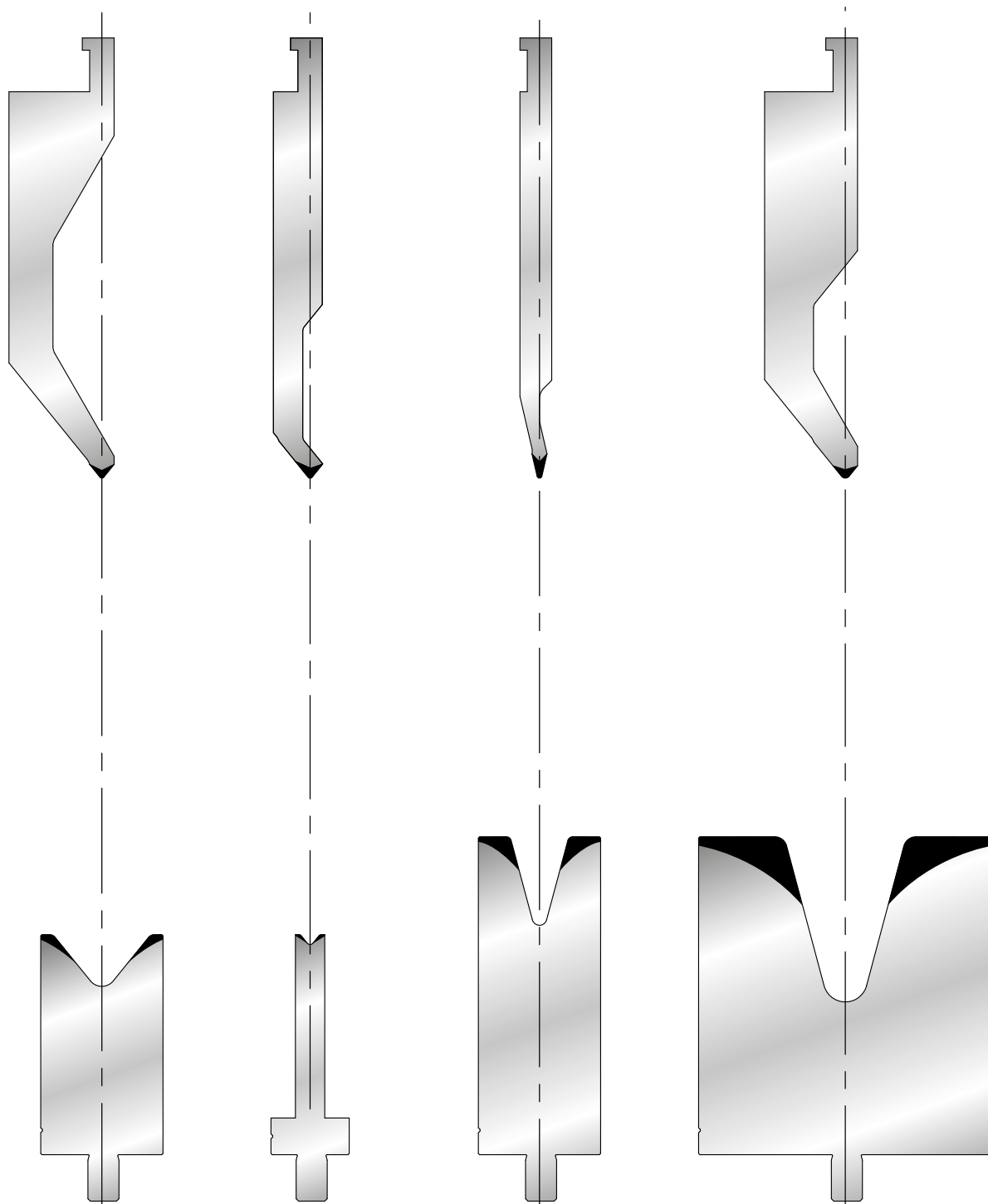
LAVORAZIONI
PROCESSING

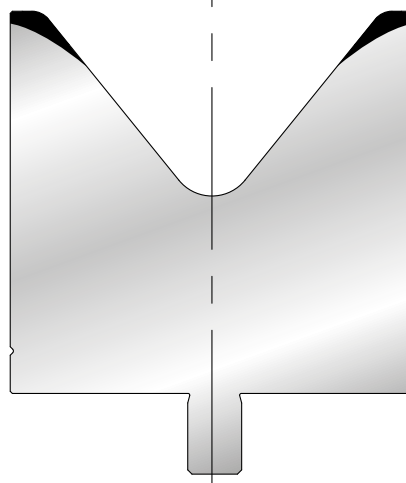
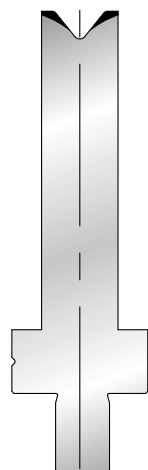
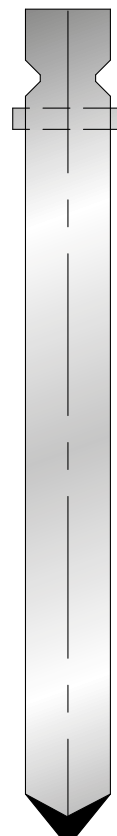
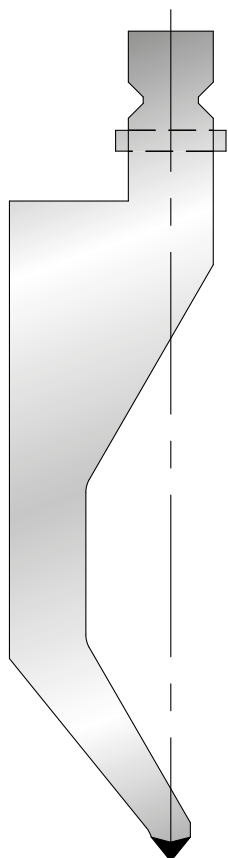
Temprato
Bonificato nitrurato
Piallato
Rettificato

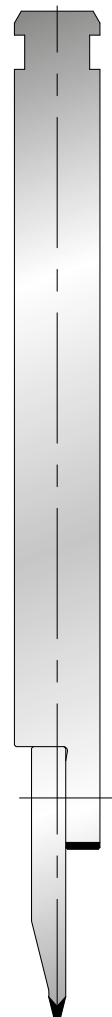
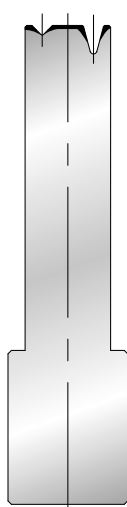
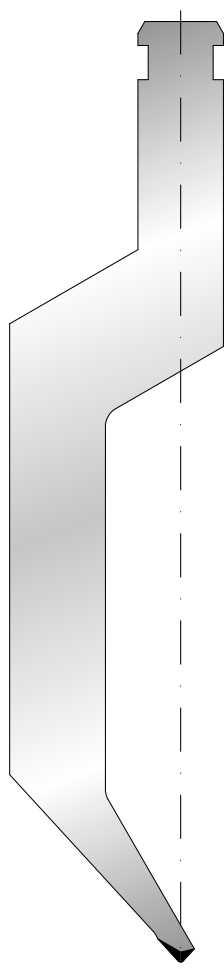
Hardened
Quenched-nitrided
Planed
Grounded

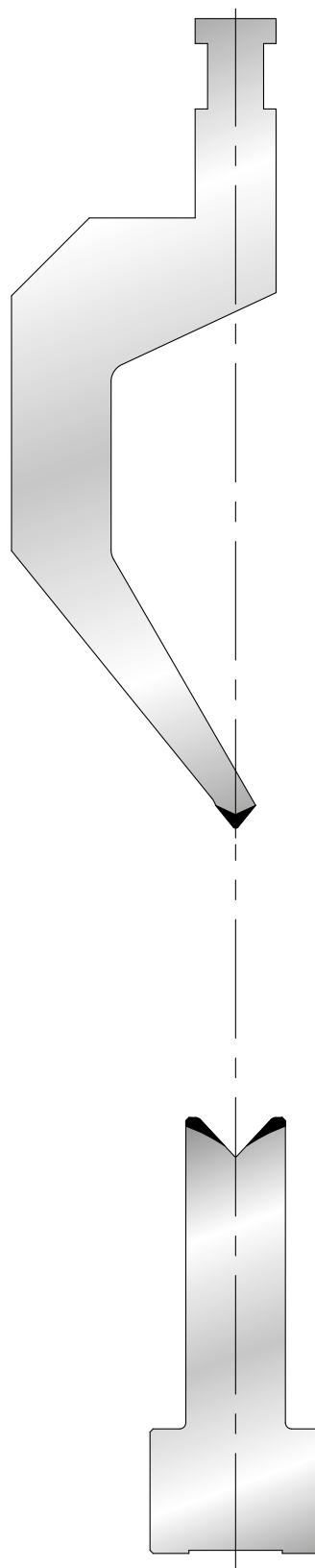
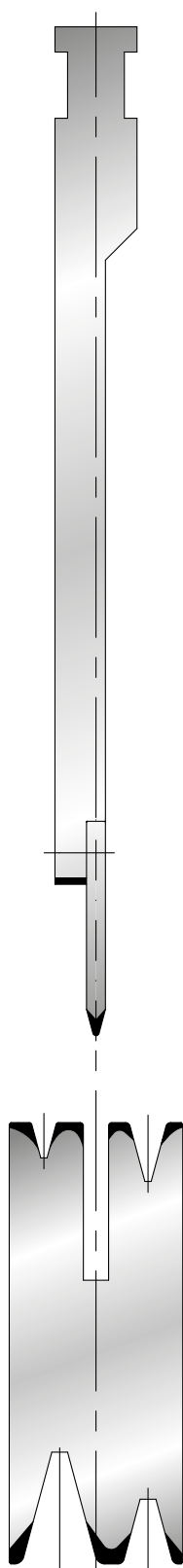
LUNGHEZZE
LENGTHS

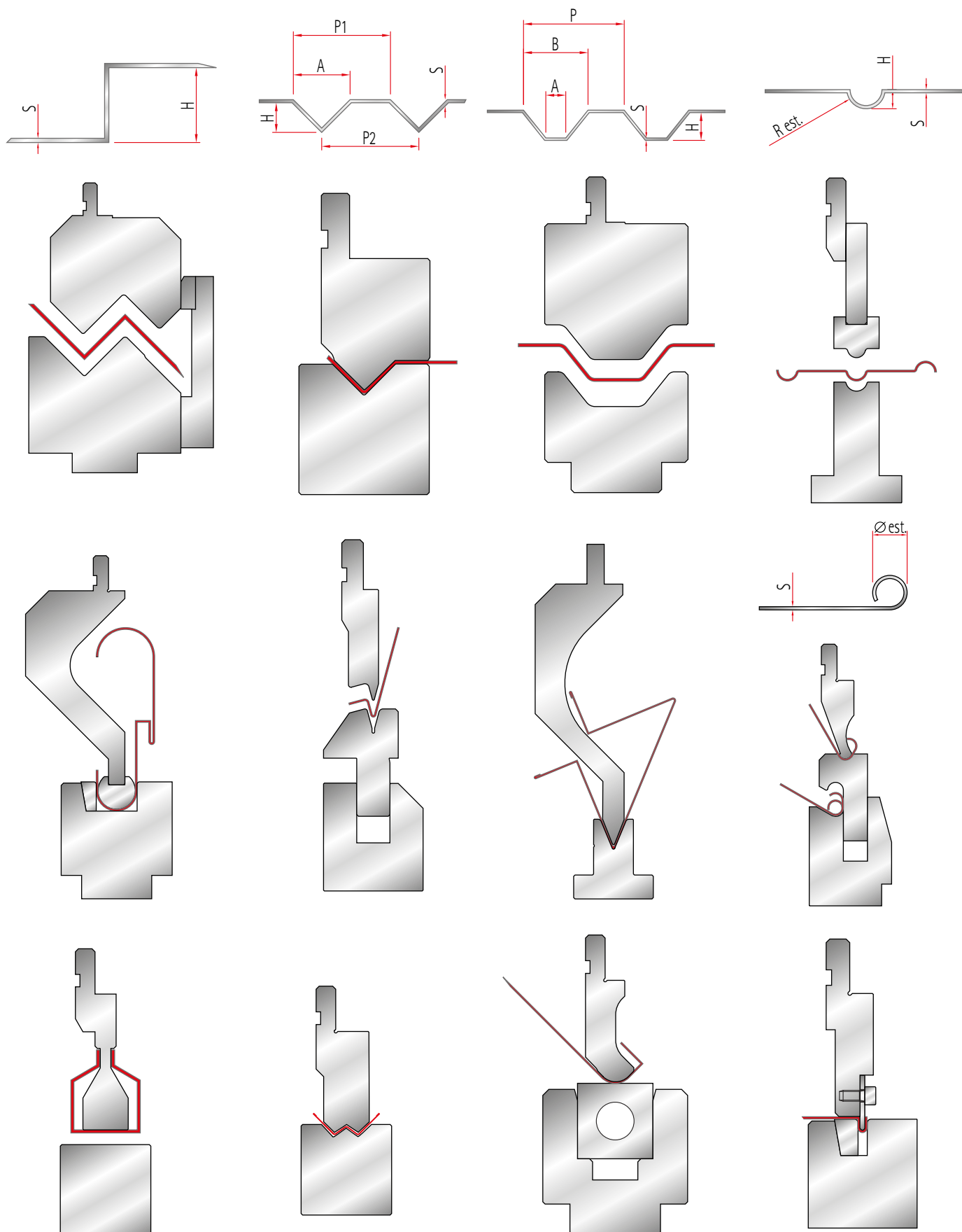
2000 mm
3000 mm
4000 mm
6000 mm
8000 mm

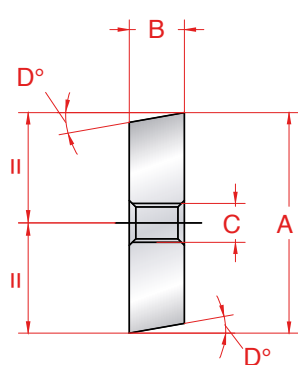




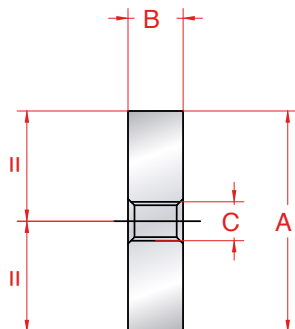




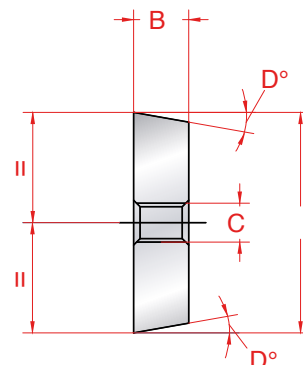




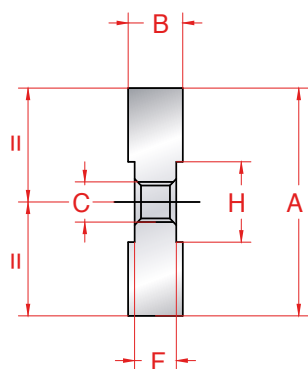
mod. **30000**



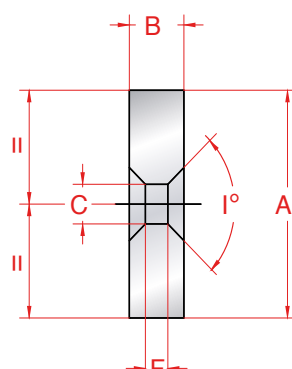
mod. **30015**



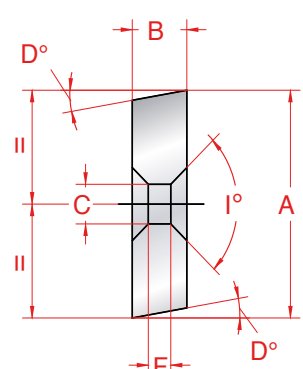
mod. **30030**



mod. **30045**

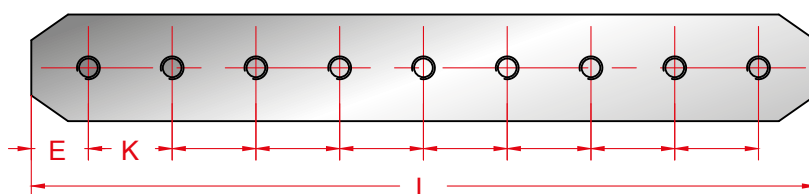


mod. **30060**

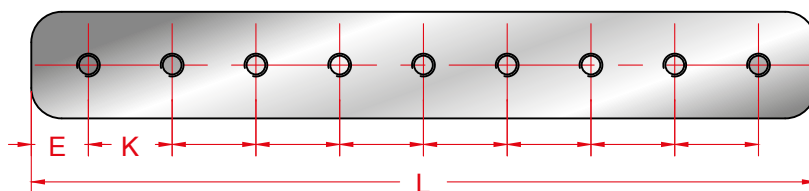


mod. **30075**

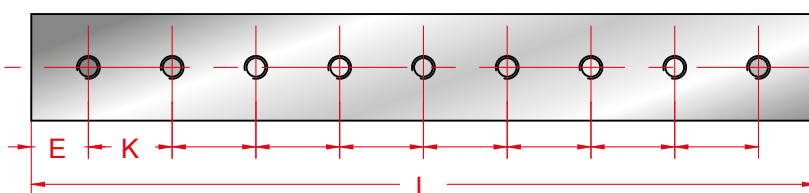
PROFILO 1
PROFILE 1

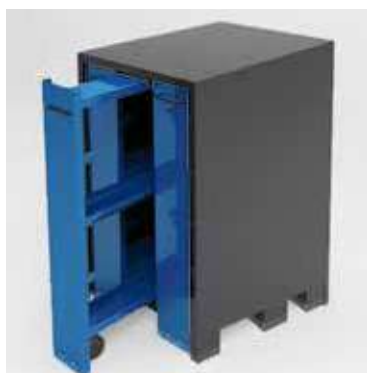


PROFILO 2
PROFILE 2



PROFILO 3
PROFILE 3





CODICE CODE	STILE STYLE	ANTE DRAWERS	LUNGHEZZA LENGTH (mm)
AMG00015	Amada	3	835
AMG100015	Trumpf / Wila / Bystronic / LVD	3	1100
AMG200015	Trumpf / Wila / Bystronic / LVD	3	550



CODICE CODE	STILE STYLE	ANTE DRAWERS	LUNGHEZZA LENGTH (mm)
AMG00060	Amada	4	835
AMG100060	Trumpf / Wila / Bystronic / LVD	4	1100
AMG200060	Trumpf / Wila / Bystronic / LVD	4	550



CODICE CODE	STILE STYLE	ANTE DRAWERS	LUNGHEZZA LENGTH (mm)
AMG00075	Amada	5	835
AMG100075	Trumpf / Wila / Bystronic / LVD	5	1100
AMG200075	Trumpf / Wila / Bystronic / LVD	5	550



CODICE CODE	STILE STYLE	ANTE DRAWERS	LUNGHEZZA LENGTH (mm)
CARRELLO 75	Carrello mobile per utensili Amada 5 ripiani - L = 835 mm <i>Mobile trolley for Amada tools 5 shelves - L = 835 mm</i>		

Colore standard: nero
Standard color: black



Nitrurazione

Trattamento di indurimento superficiale che aumenta la resistenza all'usura, alla fatica e agli intagli.

Nitriding treatment

Surface hardening treatment able to increase the tool resistance to wear, to fatigue, to notches.

123015

Fosfatazione

Trattamento superficiale che aumenta la resistenza alla corrosione

Phosphating treatment

Surface treatment able to increase the corrosion resistance

123075

Nitrurazione + Fosfatazione

Indurimento superficiale + resistenza alla corrosione

Nitriding treatment + Phosphating

Surface hardening + corrosion resistance

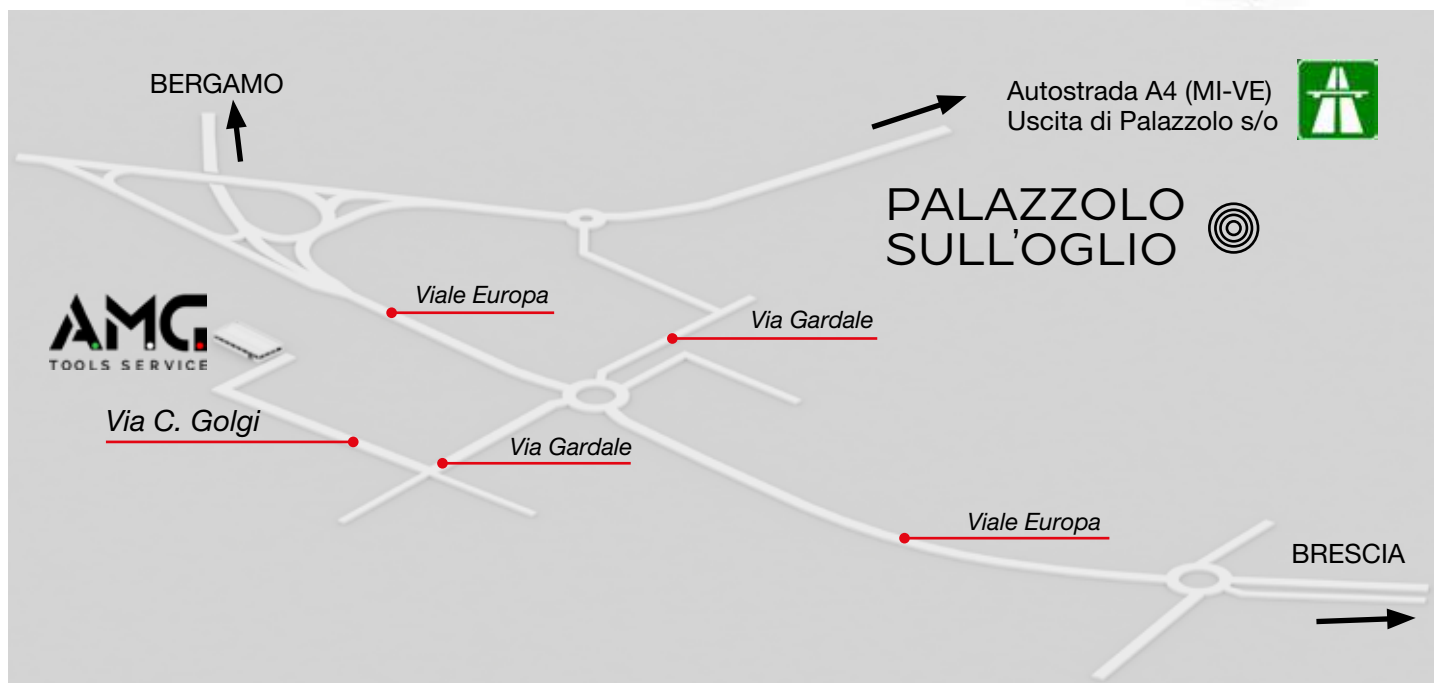
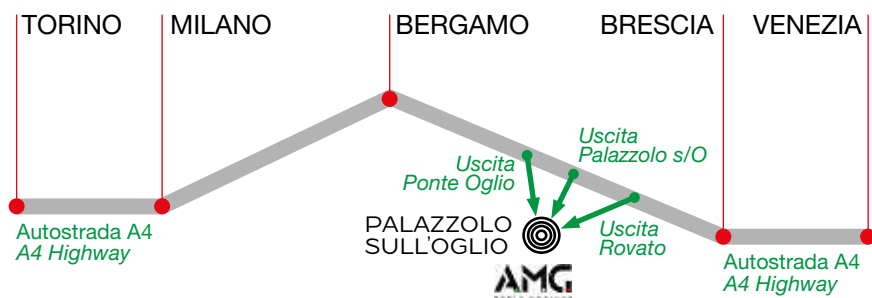
123030





ITALIA
ITALY

LOMBARDIA
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