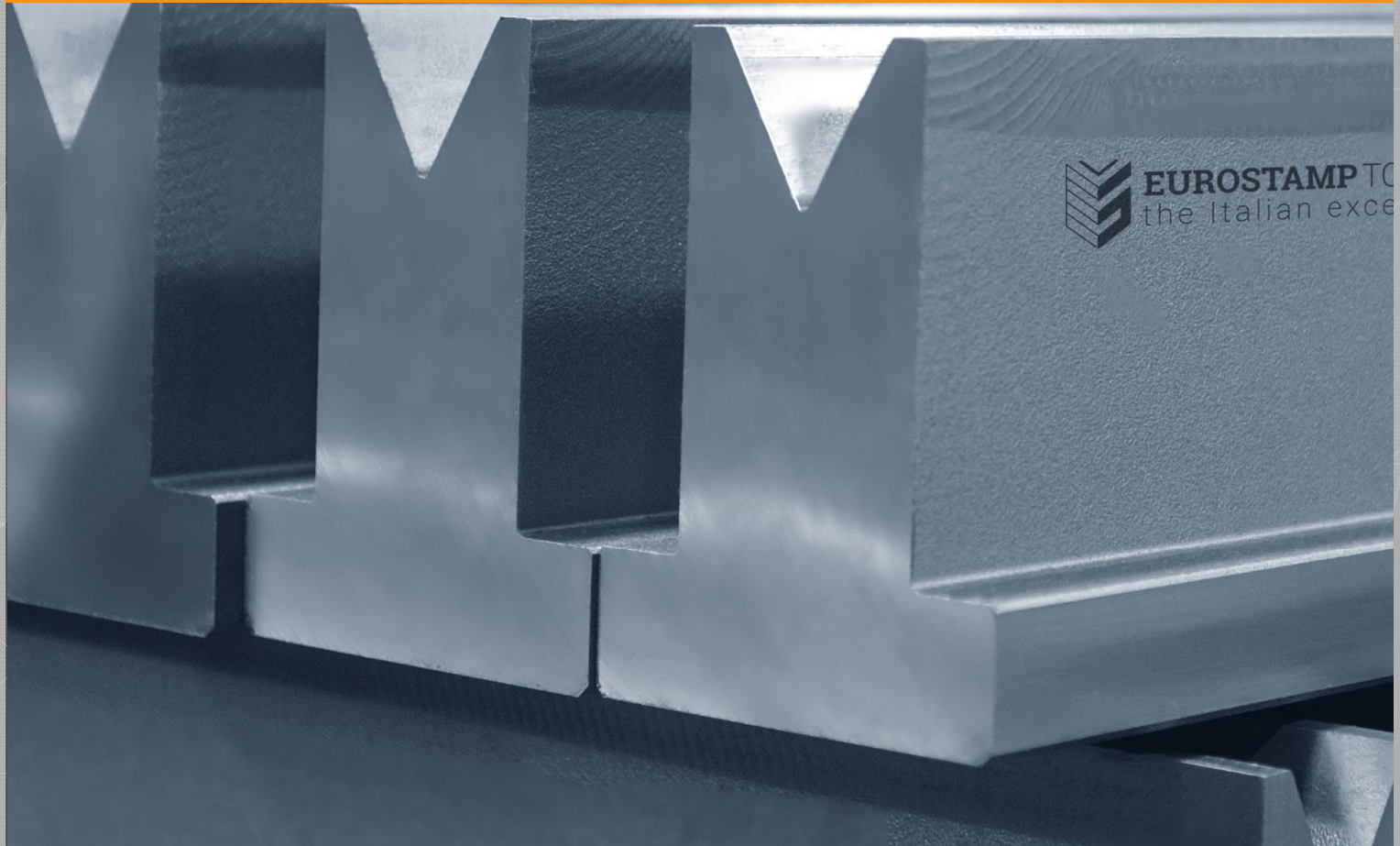


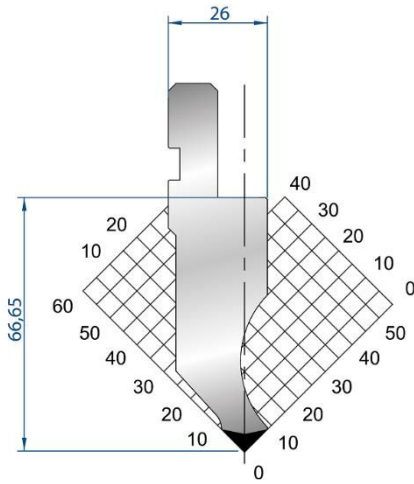
MATE OUTILLAGE FRANCE



Outils de pliage

AMADA PROMECAM

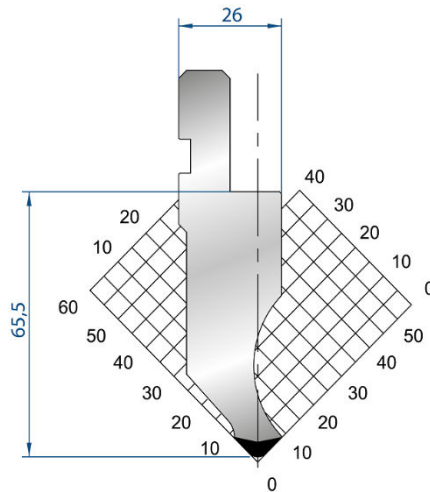




1011

$a=88^\circ$ $R=0,8$ $H=66,65$ $\text{Max T/m}=100$

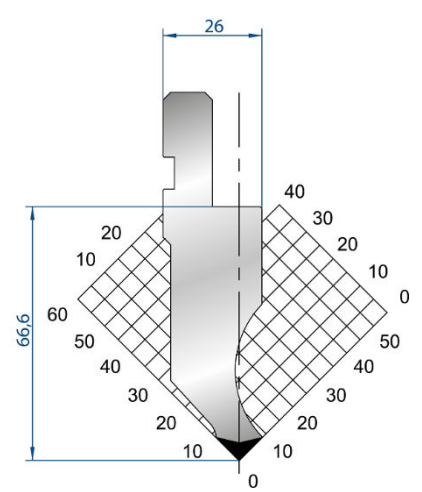
415 mm	835 mm	805mm fr
97 €	167 €	288 €



1012

$a=88^\circ$ $R=3$ $H=65,50$ $\text{Max T/m}=100$

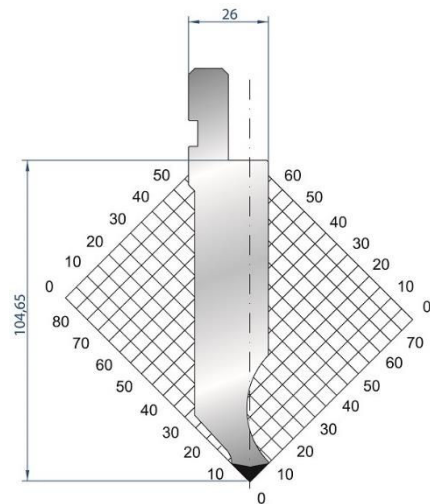
415 mm	835 mm	805mm fr
97 €	167 €	288 €



1065

$a=88^\circ$ $R=0,25$ $H=66,6$ $\text{Max T/m}=100$

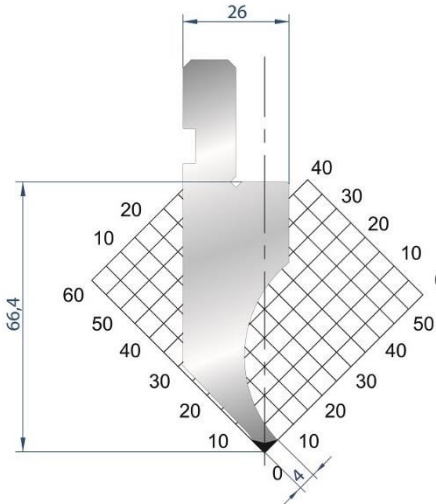
415 mm	835 mm	805mm fr
97 €	167 €	288 €



1063

$a=88^\circ$ $R=0,8$ $H=104,65$ $\text{Max T/m}=100$

415 mm	835 mm	805mm fr
192 €	331 €	515 €

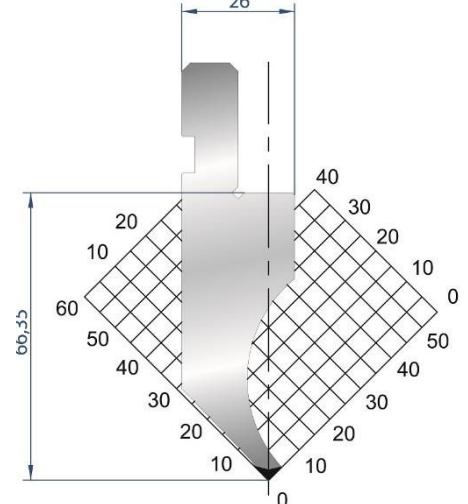


1049

$a=88^\circ$ $R=0,6$ $H=66,4$ $\text{Max T/m}=35$

C45 trempé

415 mm	835 mm	805mm fr
146 €	260 €	425 €

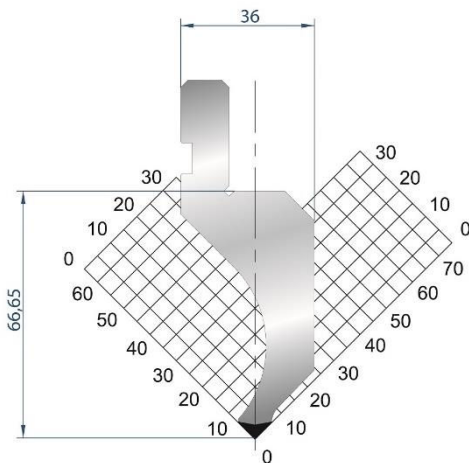


1264

$a=88^\circ$ $R=0,25$ $H=66,35$ $\text{Max T/m}=35$

C45 trempé

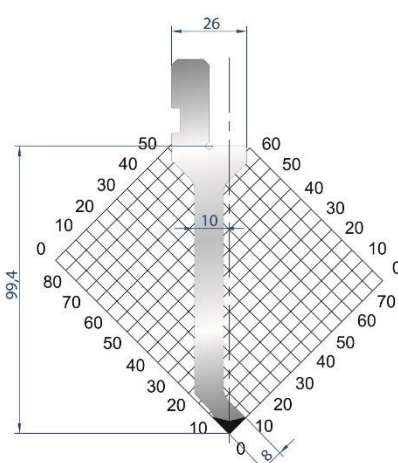
415 mm	835 mm	805mm fr
131 €	237 €	406 €



1081

$a=88^\circ$ $R=0,8$ $H=66,65$ $\text{Max T/m}=60$

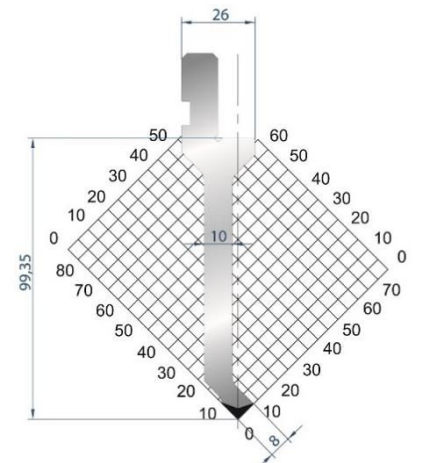
415 mm	835 mm	805mm fr
206 €	360 €	528 €



1029

$a=88^\circ$ $R=0,6$ $H=99,40$ $\text{Max T/m}=50$

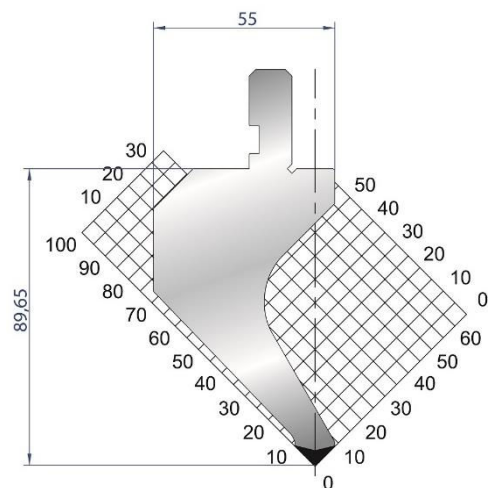
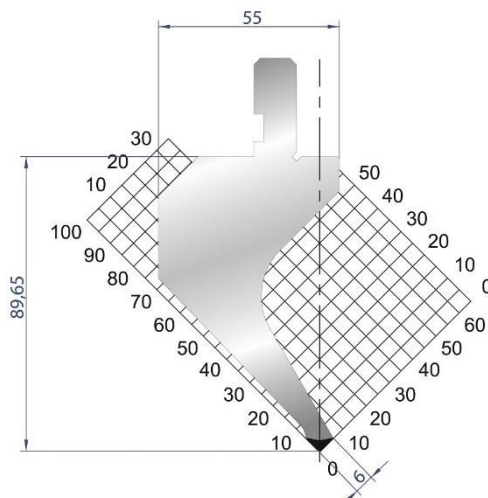
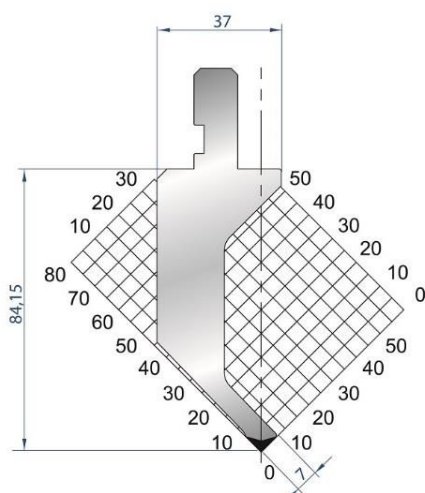
415 mm	835 mm	805mm fr
201 €	355 €	540 €



1262

$a=88^\circ$ $R=0,25$ $H=99,35$ $\text{Max T/m}=50$

415 mm	835 mm	805mm fr
201 €	355 €	540 €



1020

$a=88^\circ$ $R=0,6$ $H=84,15$ $\text{Max } T/m=20$

42CrMo4

415 mm	835 mm	805mm fr
307 €	534 €	772 €

1175

$a=88^\circ$ $R=0,8$ $H=89,65$ $\text{Max } T/m=50$

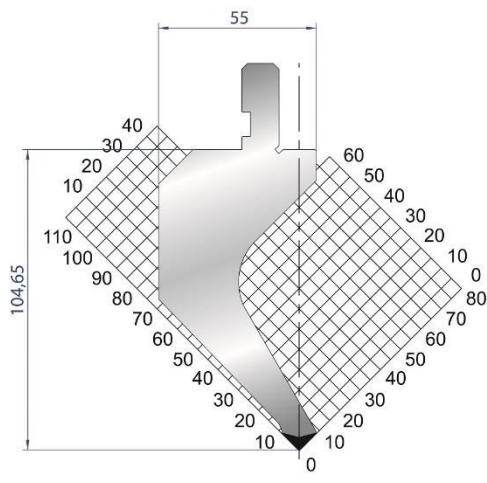
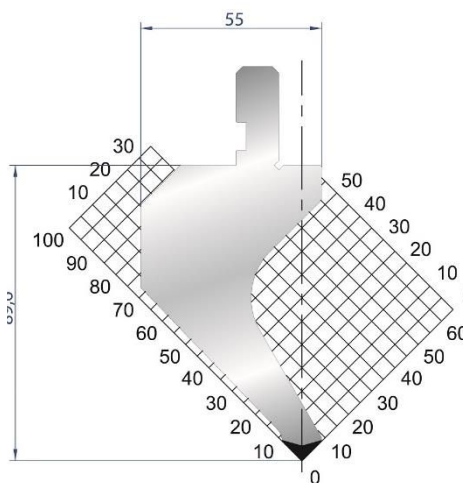
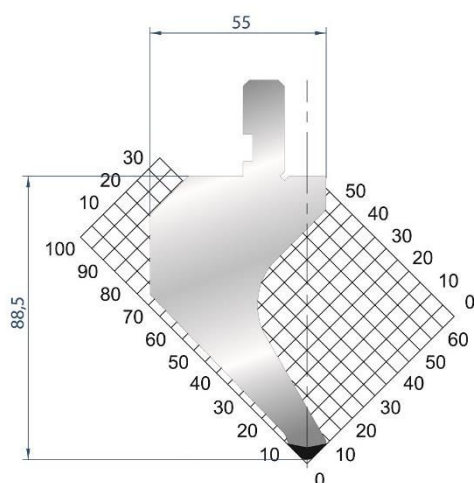
C45 trempé

415 mm	835 mm	805mm fr
219 €	413 €	570 €

1014

$a=88^\circ$ $R=0,8$ $H=89,65$ $\text{Max } T/m=60$

415 mm	835 mm	805mm fr
189 €	341 €	500 €



1015

$a=88^\circ$ $R=3$ $H=88,5$ $\text{Max } T/m=60$

415 mm	835 mm	805mm fr
189 €	341 €	500 €

1266

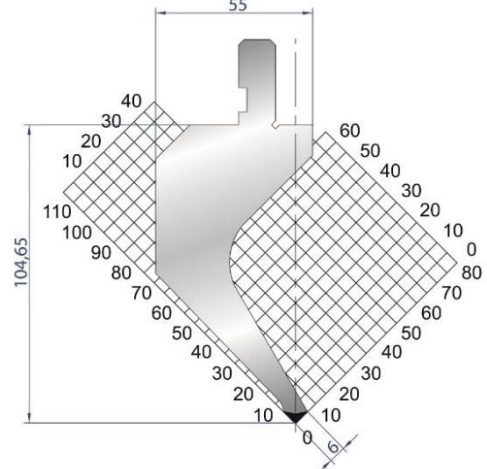
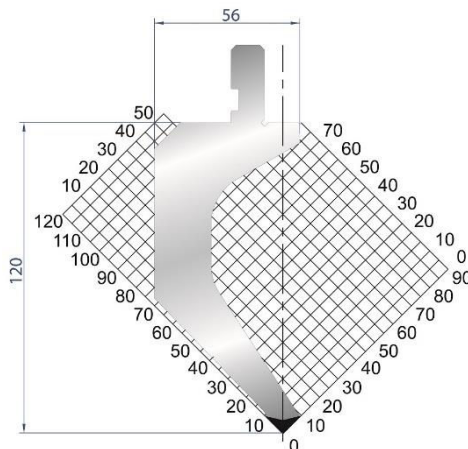
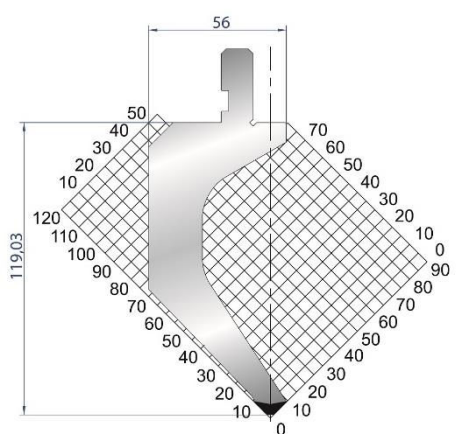
$a=88^\circ$ $R=0,25$ $H=89,60$ $\text{Max } T/m=60$

415 mm	835 mm	805mm fr
208 €	375 €	548 €

1017

$a=88^\circ$ $R=0,8$ $H=104,65$ $\text{Max } T/m=50$

415 mm	835 mm	805mm fr
212 €	383 €	535 €



1062

$a=88^\circ$ $R=3$ $H=119,03$ $\text{Max } T/m=50$

C45 trempé

415 mm	835 mm	805mm fr
455 €	833 €	1138 €

1061

$a=88^\circ$ $R=0,8$ $H=120$ $\text{Max } T/m=50$

C45 trempé

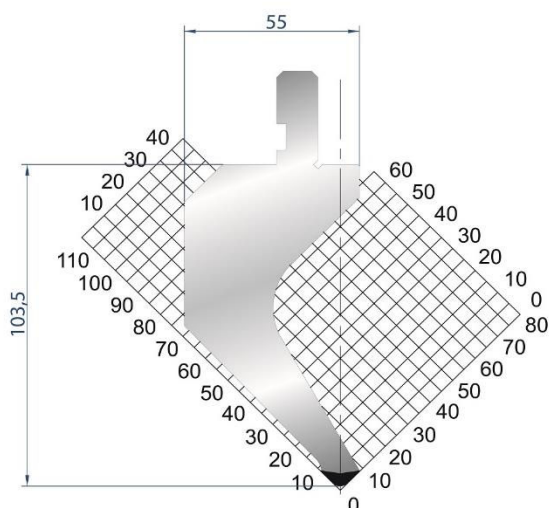
415 mm	835 mm	805mm fr
455 €	833 €	1138 €

1173

$a=88^\circ$ $R=0,8$ $H=104,65$ $\text{Max } T/m=50$

C45 trempé

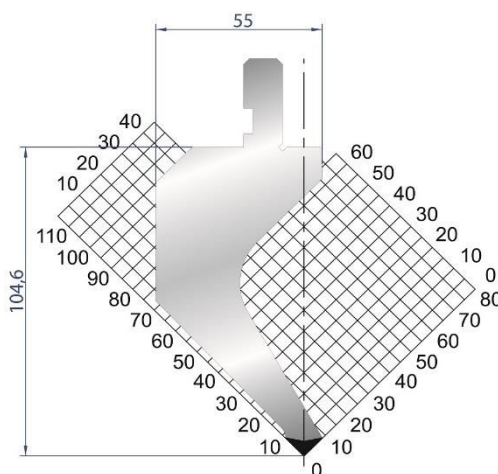
415 mm	835 mm	805mm fr
249 €	454 €	611 €



1018

$a=88^\circ$ $R=3$ $H=103,5$ $\text{Max T/m}=50$

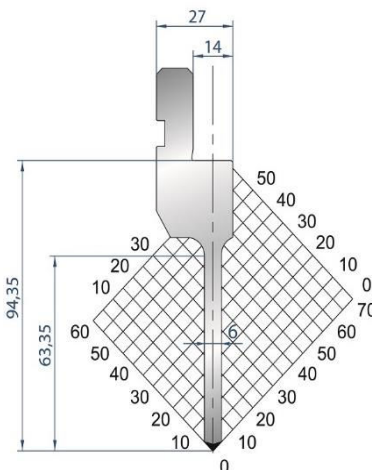
415 mm	835 mm	805mm fr
212 €	383 €	535 €



1268

$a=88^\circ$ $R=0,25$ $H=104,60$ $\text{Max T/m}=50$

415 mm	835 mm	805mm fr
212 €	383 €	535 €

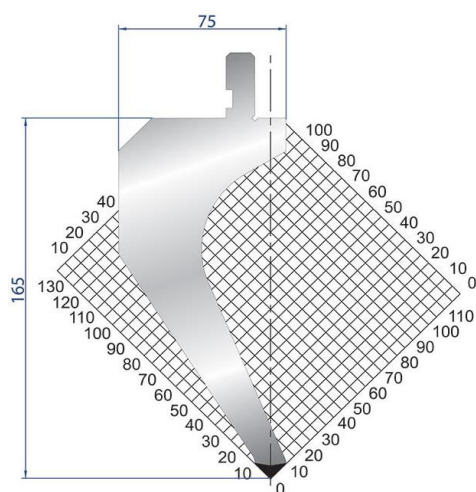


1270

$a=88^\circ$ $R=0,25$ $H=94,35$ $\text{Max T/m}=50$

C45 trempé

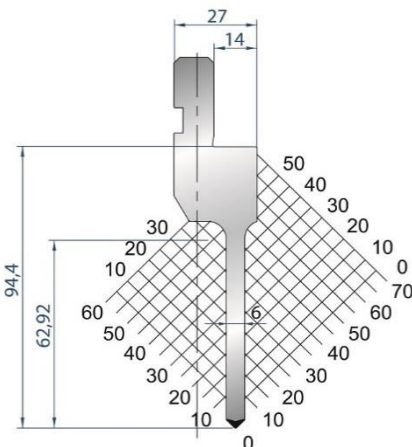
415 mm	835 mm	805mm fr
170 €	289 €	418 €



1031

$a=88^\circ$ $R=0,8$ $H=165$ $\text{Max T/m}=60$

415 mm	835 mm	805mm fr
692 €	1259 €	1627 €

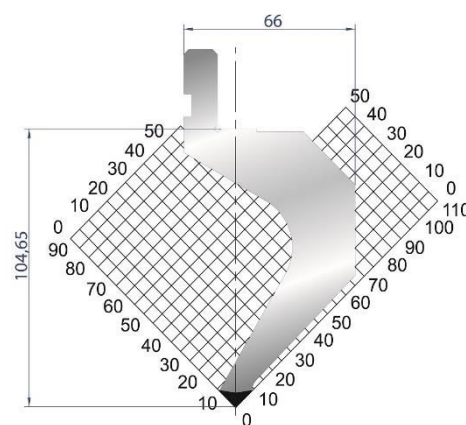


1084

$a=88^\circ$ $R=0,6$ $H=94,40$ $\text{Max T/m}=50$

C45 trempé

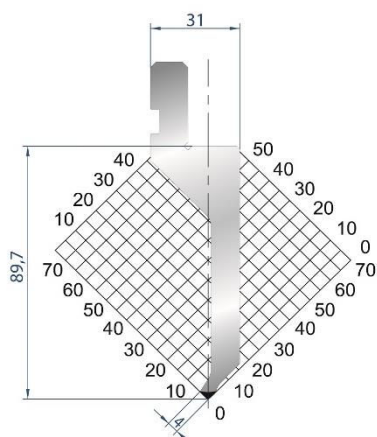
415 mm	835 mm	805mm fr
175 €	294 €	486 €



1082

$a=88^\circ$ $R=0,8$ $H=104,65$ $\text{Max T/m}=45$

415 mm	835 mm	805mm fr
479 €	863 €	1119 €

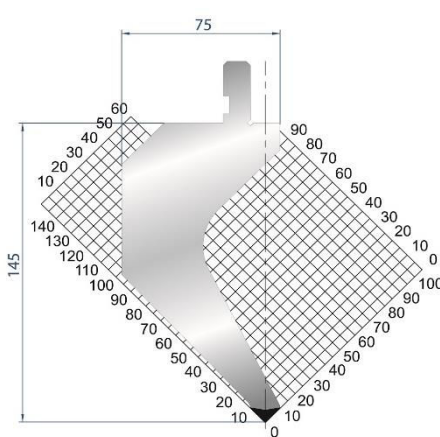


1290

$a=88^\circ$ $R=0,6$ $H=89,70$ $\text{Max T/m}=30$

C45 trempé

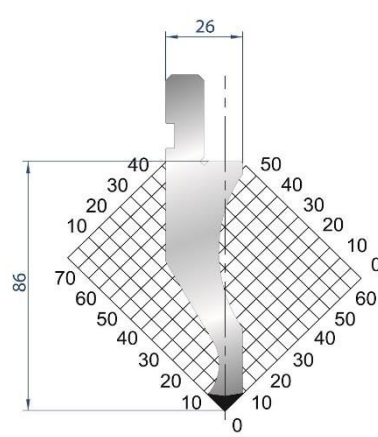
415 mm	835 mm	805mm fr
210 €	378 €	571 €



1030

$a=88^\circ$ $R=0,8$ $H=145$ $\text{Max T/m}=80$

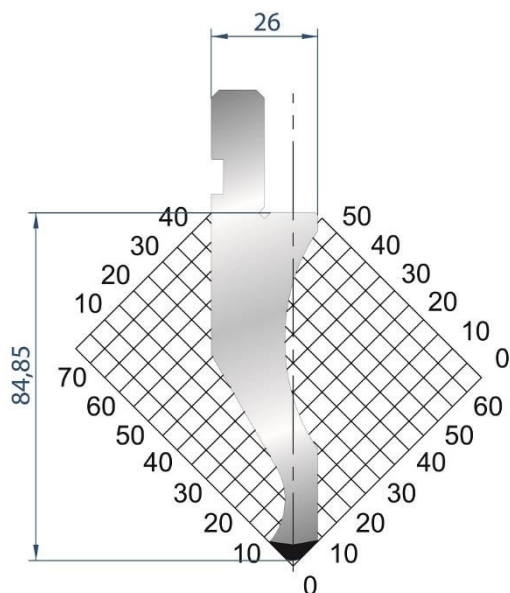
415 mm	835 mm	805mm fr
567 €	1007 €	1304 €



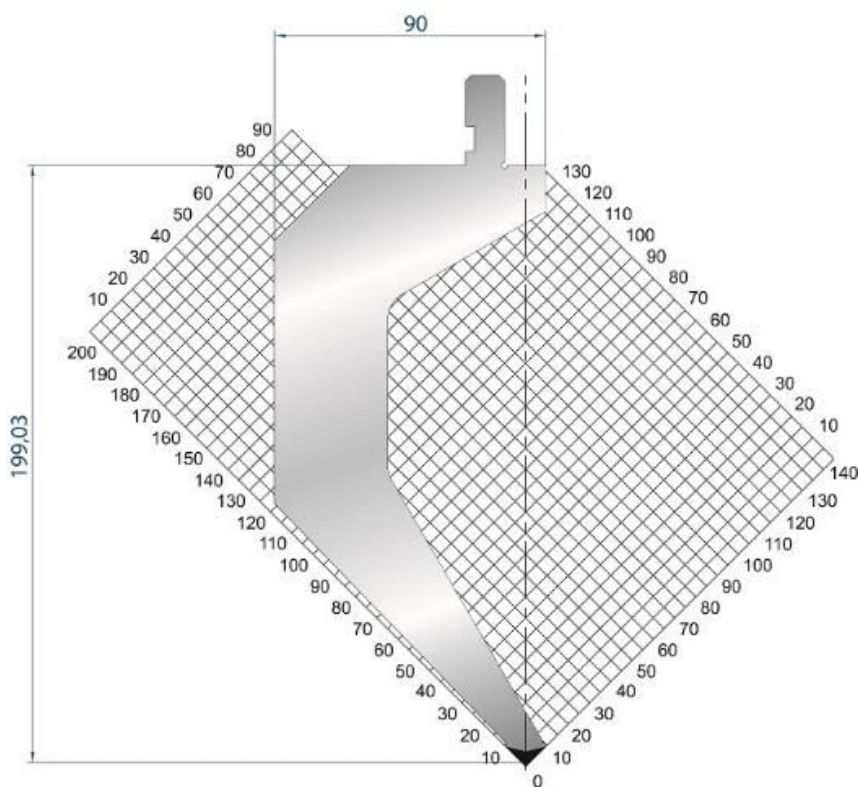
1022

$a=88^\circ$ $R=0,8$ $H=86$ $\text{Max T/m}=100$

415 mm	835 mm	805mm fr
160 €	292 €	438 €


1023
 $a=88^\circ$ R=3 H=84,85 Max T/m=100

415 mm	835 mm	805mm fr
160 €	292 €	438 €


1301
 $a=88^\circ$ R=3 H=199,03 Max T/m=85

C45 trempé

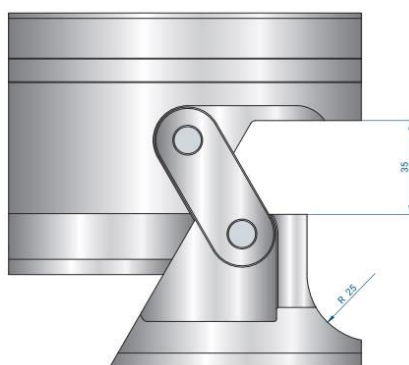
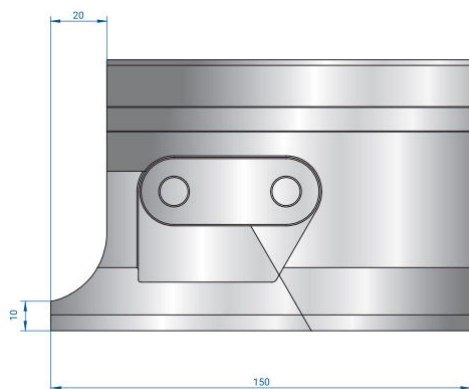
505 mm	805mm fr
1205 €	2542 €

1291
 $a=88^\circ$ R=0,8 H=200 Max T/m=85

C45 trempé

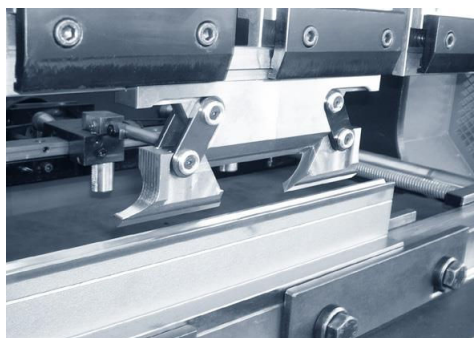
505 mm	805mm fr
1126 €	2413 €

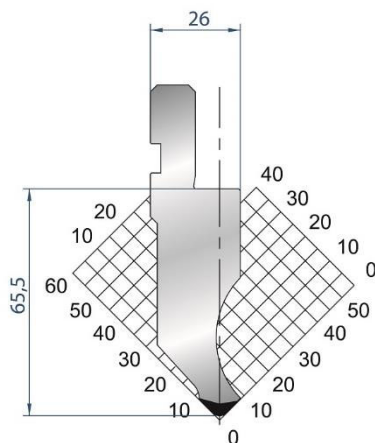
Système à bigornes mobiles



Bigornes mobiles

Réf poinçon	Ref	Prix
1011	1011S	1203 €
1065	1065S	1203 €
1047	1047S	1718 €

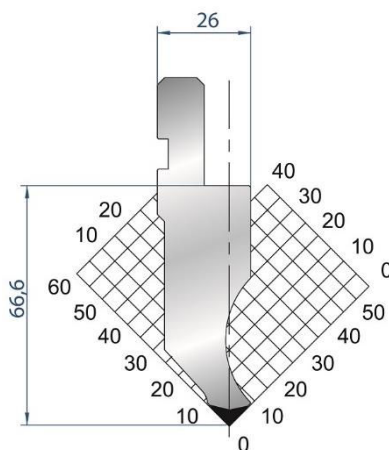




1177

$a=85^\circ$ $R=3$ $H=65,5$ $\text{Max T/m}=100$

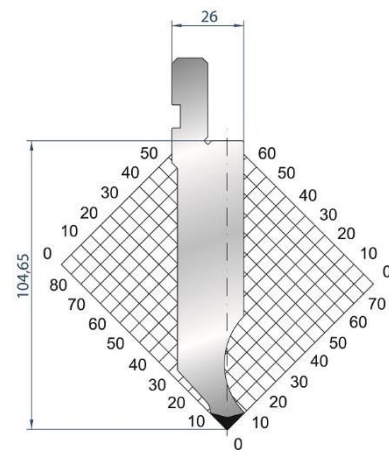
415 mm	835 mm	805mm fr
97 €	167 €	288 €



1260

$a=85^\circ$ $R=0,8$ $H=66,60$ $\text{Max T/m}=100$

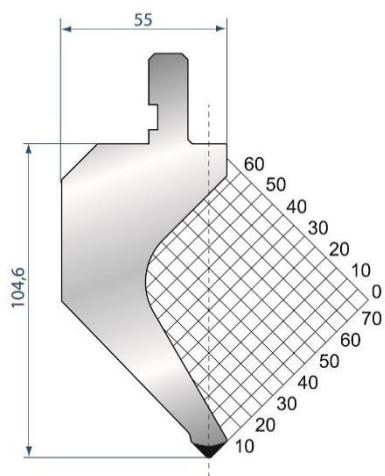
415 mm	835 mm	805mm fr
97 €	167 €	288 €



1281

$a=85^\circ$ $R=0,8$ $H=104,65$ $\text{Max T/m}=100$

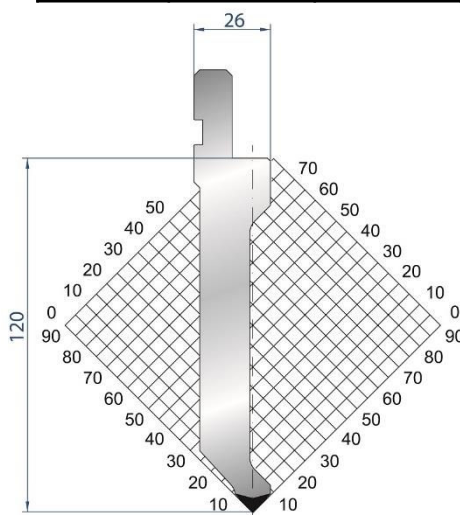
415 mm	835 mm	805mm fr
179 €	310 €	481 €



1172

$a=85^\circ$ $R=0,8$ $H=104,6$ $\text{Max T/m}=50$

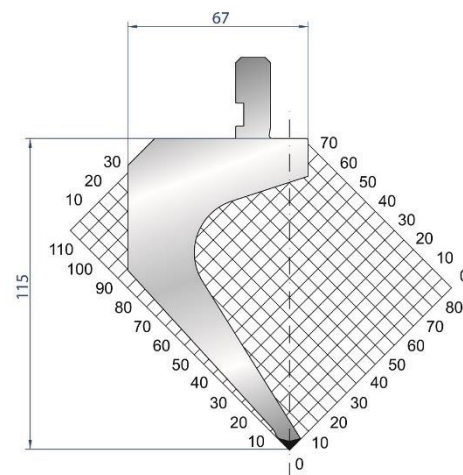
415 mm	835 mm	805mm fr
212 €	383 €	535 €



1309

$a=85^\circ$ $R=0,8$ $H=120$ $\text{Max T/m}=70$

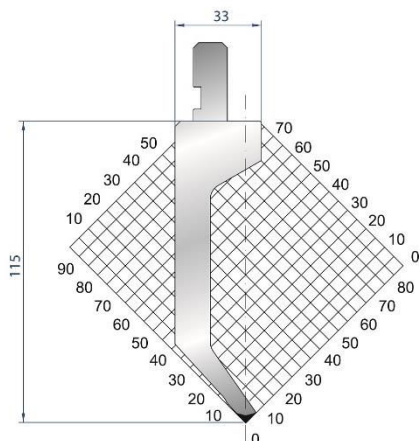
415 mm	835 mm	805mm fr
195 €	340 €	518 €



1310

$a=85^\circ$ $R=0,8$ $H=115$ $\text{Max T/m}=35$

415 mm	835 mm	805mm fr
490 €	875 €	1182 €

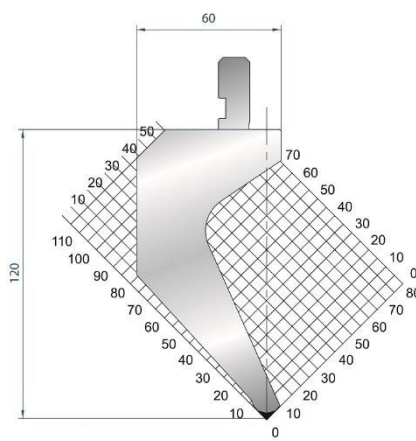


1312

$a=85^\circ$ $R=0,6$ $H=115$ $\text{Max T/m}=20$

42CrMo4

415 mm	835 mm	805mm fr
383 €	709 €	1035 €



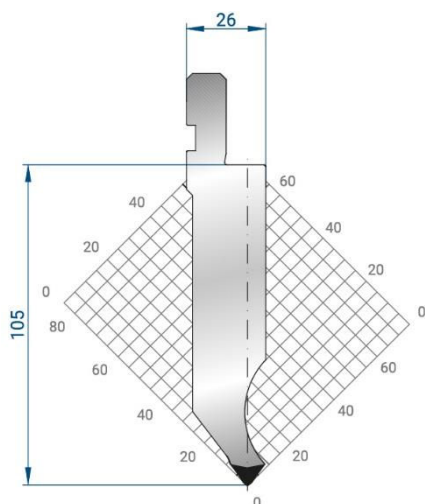
1322

$a=85^\circ$ $R=1,5$ $H=120$ $\text{Max T/m}=100$

42CrMo4

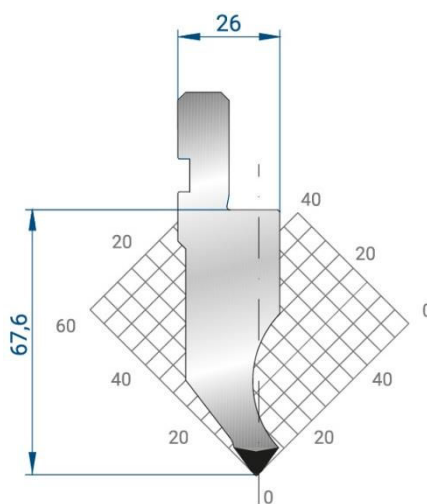
415 mm	835 mm	805mm fr
455 €	833 €	1138 €



**1338** $a=75^\circ$ $R=0,8$ $H=105$ $\text{Max T/m}=100$

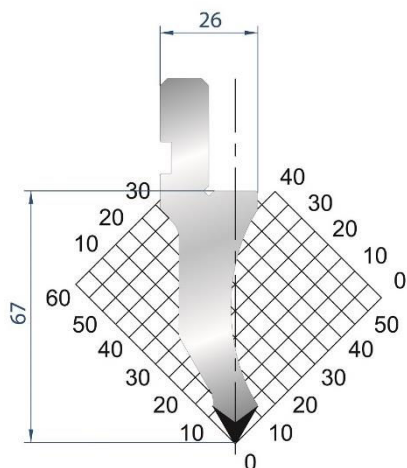
42CrMo4

415 mm	835 mm	805mm fr
249 €	430 €	666 €

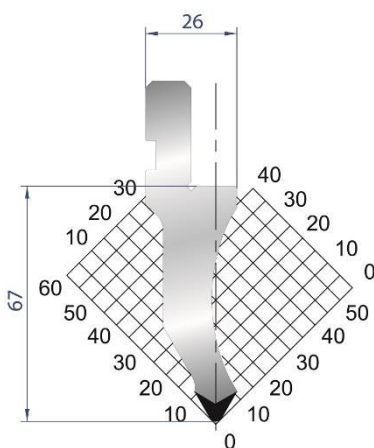
**1339** $a=75^\circ$ $R=0,8$ $H=67,6$ $\text{Max T/m}=100$

42CrMo4

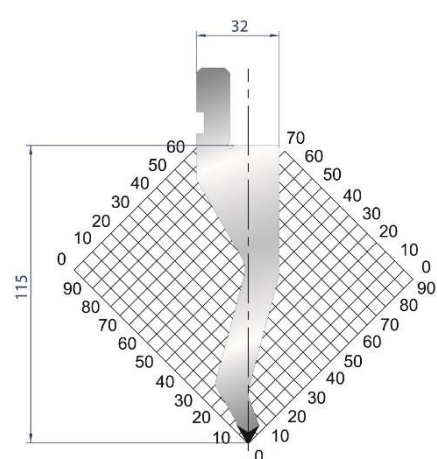
415 mm	835 mm	805mm fr
132 €	226 €	436 €

**1026** $a=60^\circ$ $R=0,8$ $H=67$ $\text{Max T/m}=80$

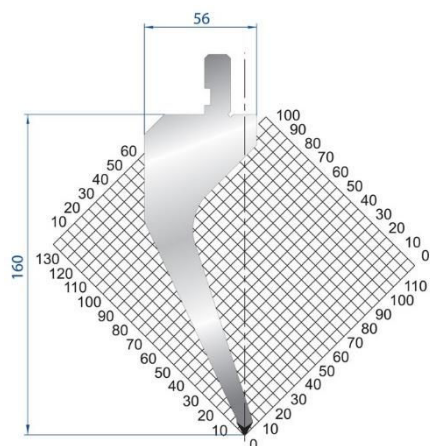
415 mm	835 mm	805mm fr
106 €	188 €	317 €

**1027** $a=60^\circ$ $R=2$ $H=67$ $\text{Max T/m}=80$

415 mm	835 mm	805mm fr
106 €	188 €	317 €

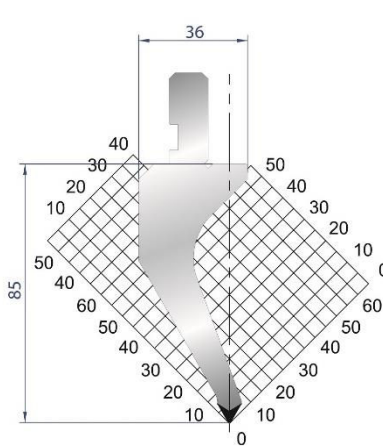
**1191** $a=60^\circ$ $R=0,8$ $H=115$ $\text{Max T/m}=60$

415 mm	835 mm	805mm fr
273 €	516 €	692 €

**1190** $a=60^\circ$ $R=0,8$ $H=160$ $\text{Max T/m}=40$

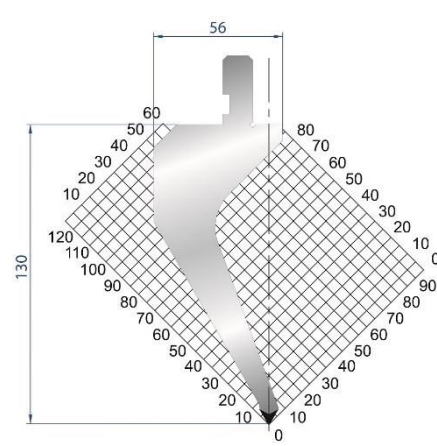
C45 trempé

415 mm	835 mm	805mm fr
573 €	1041 €	1395 €

**1162** $a=60^\circ$ $R=0,8$ $H=85$ $\text{Max T/m}=40$

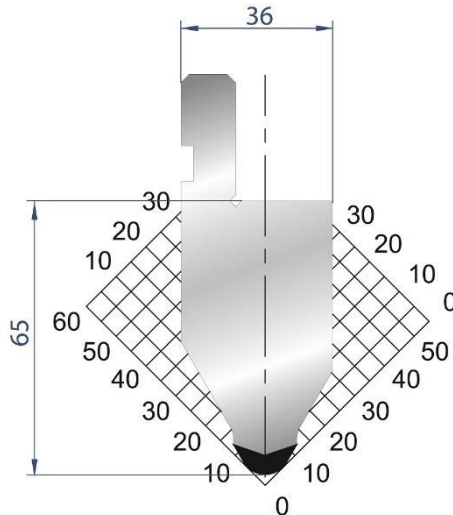
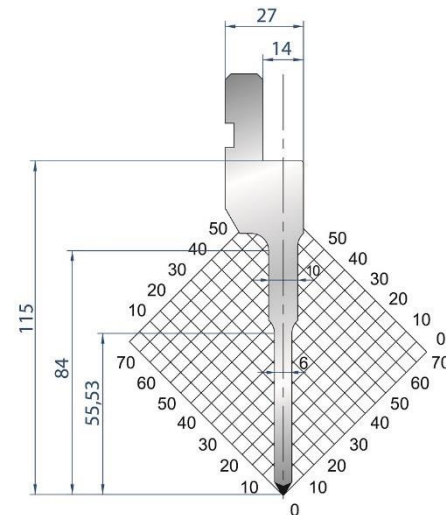
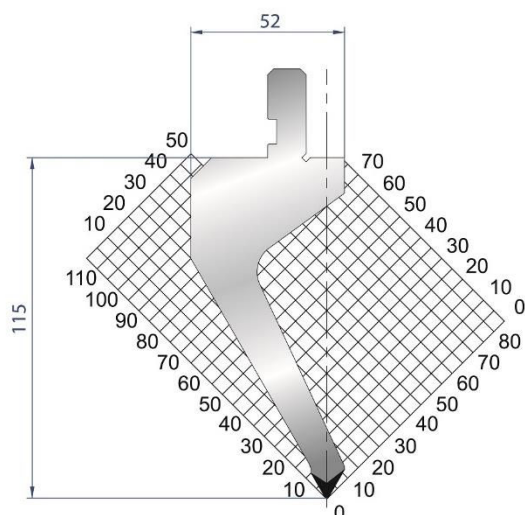
42CrMo4

415 mm	835 mm	805mm fr
267 €	474 €	620 €

**1163** $a=60^\circ$ $R=0,8$ $H=130$ $\text{Max T/m}=40$

C45 trempé

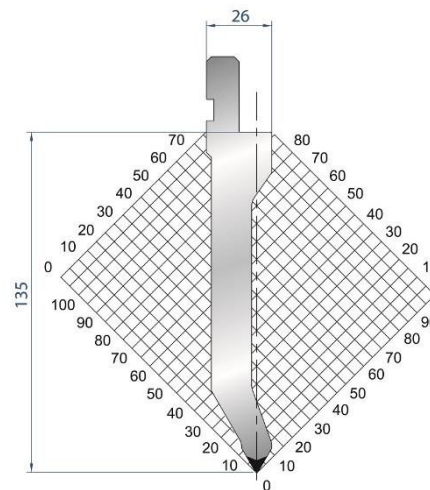
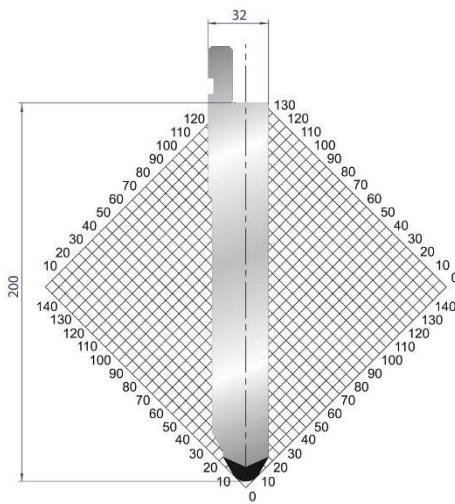
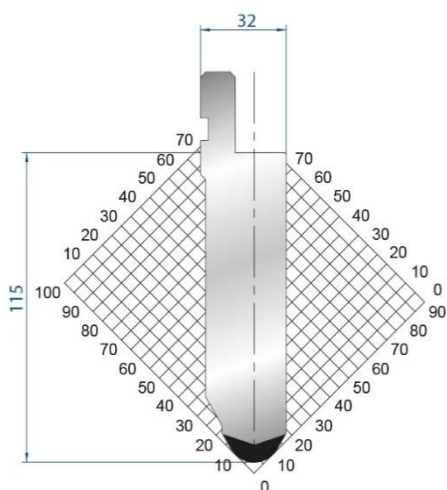
415 mm	835 mm	805mm fr
459 €	850 €	1152 €



1272		
a=60° R=0,8 H=115 Max T/m=40		
C45 trempé		
415 mm	835 mm	805mm fr
383 €	684 €	893 €

1271		
a=60° R=0,8 H=115 Max T/m=50		
C45 trempé		
415 mm	835 mm	805mm fr
348 €	623 €	840 €

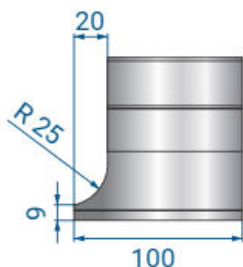
1032		
a=60° R=6 H=65 Max T/m=120		
415 mm	835 mm	805mm fr
135 €	239 €	400 €



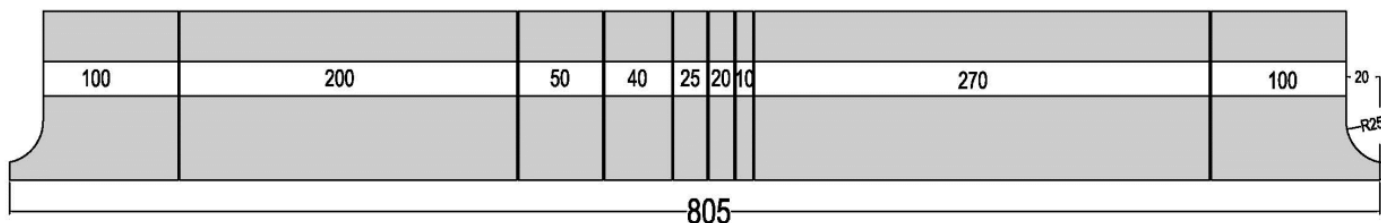
1283		
a=60° R=10 H=115 Max T/m=100		
415 mm	835 mm	805mm fr
185 €	317 €	499 €

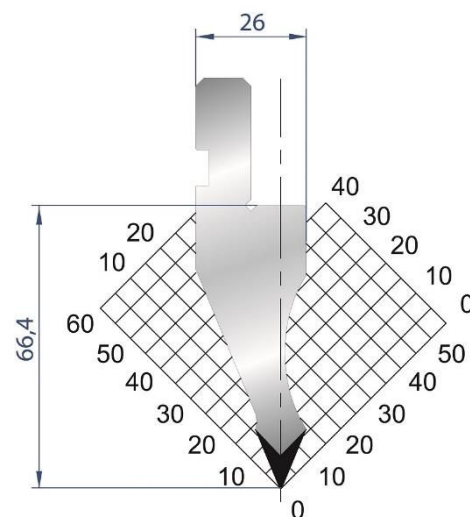
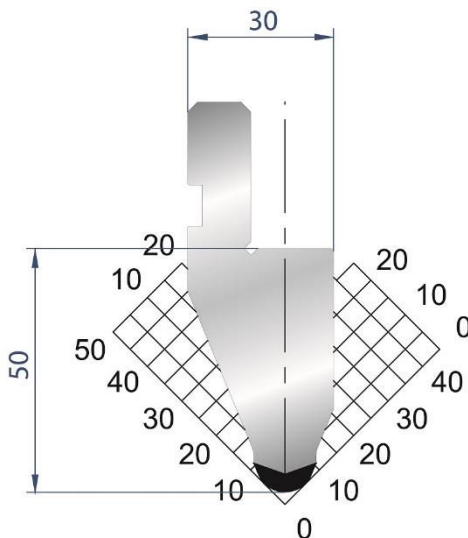
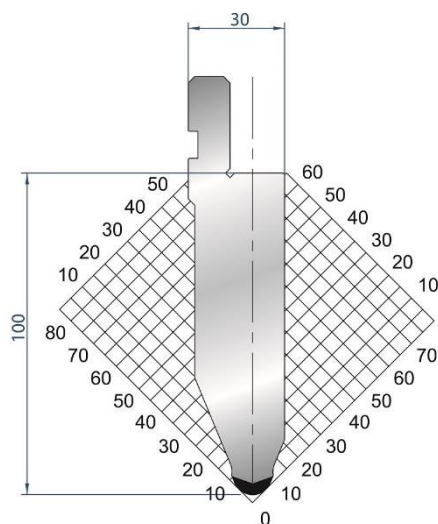
1293		
a=60° R=8 H=200 Max T/m=150		
415 mm	835 mm	805mm fr
401 €	751 €	1074 €

1284		
a=60° R=0,8 H=135 Max T/m=70		
415 mm	835 mm	805mm fr
235 €	431 €	592 €



Profil de bigorne standard.




1053
 $a=45^\circ$ R=6 H=100 Max T/m=100

415 mm	835 mm	805mm fr
140 €	246 €	398 €

1054
 $a=45^\circ$ R=6 H=50 Max T/m=100

415 mm	835 mm	805mm fr
116 €	201 €	333 €

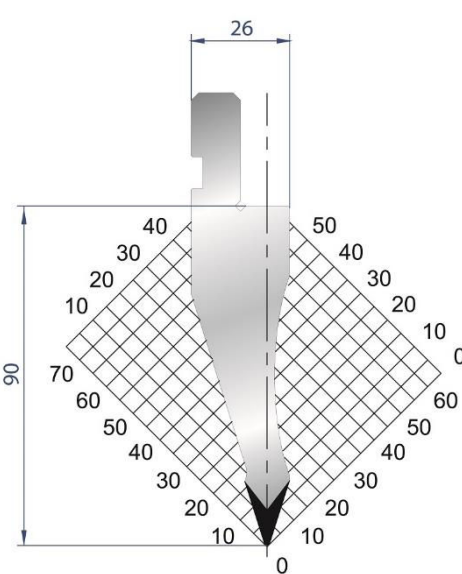
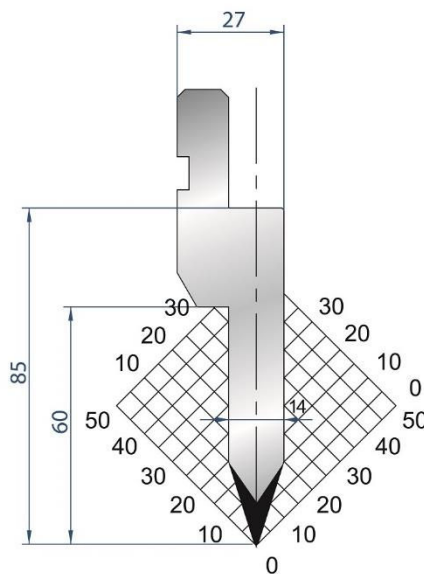
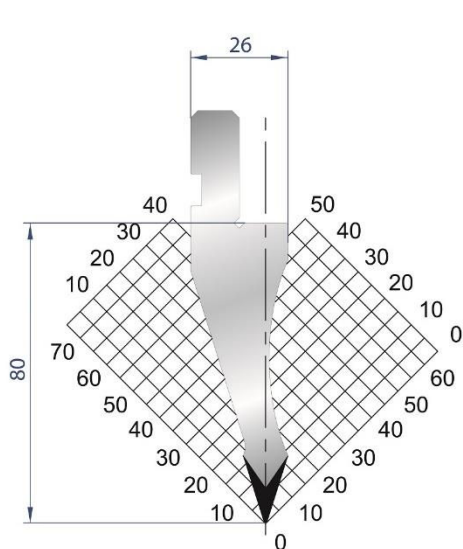
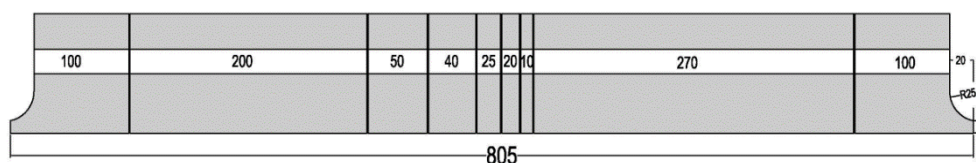
1024
 $a=45^\circ$ R=0,5 H=66,4 Max T/m=80

415 mm	835 mm	805mm fr
103 €	182 €	301 €

ou

1025 (R 1,5)
 $a=45^\circ$ R=1,5 H=65,20 Max T/m=80

415 mm	835 mm	805mm fr
103 €	182 €	301 €


1035
 $a=35^\circ$ R=0,5 H=80 Max T/m=70

415 mm	835 mm	805mm fr
126 €	219 €	361 €

1034
 $a=35^\circ$ R=0,8 H=85 Max T/m=100

415 mm	835 mm	805mm fr
126 €	211 €	360 €

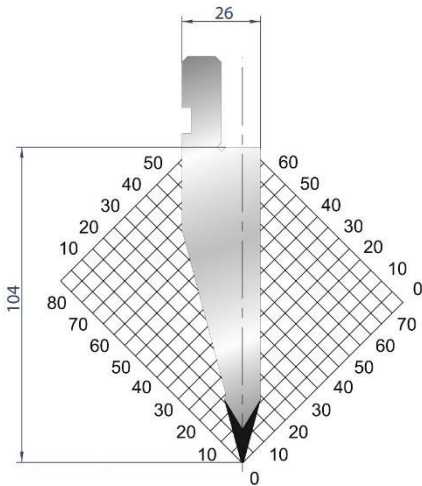
1047
 $a=35^\circ$ R=0,8 H=90 Max T/m=70

415 mm	835 mm	805mm fr
127 €	222 €	369 €

ou

1282 (R 1,5)
 $a=35^\circ$ R=1,5 H=90 Max T/m=70

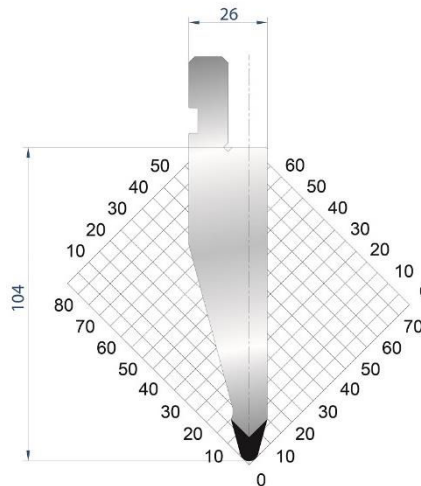
415 mm	835 mm	805mm fr
120 €	216 €	356 €



1193

$a=30^\circ$ $R=0,6$ $H=104$ $\text{Max T/m}=100$

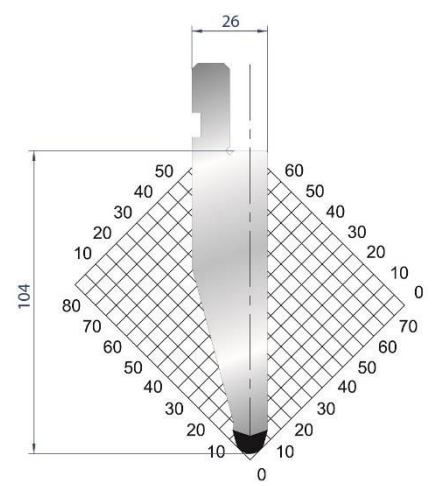
415 mm	835 mm	805mm fr
192 €	331 €	515 €



1289

$a=30^\circ$ $R=3$ $H=104$ $\text{Max T/m}=100$

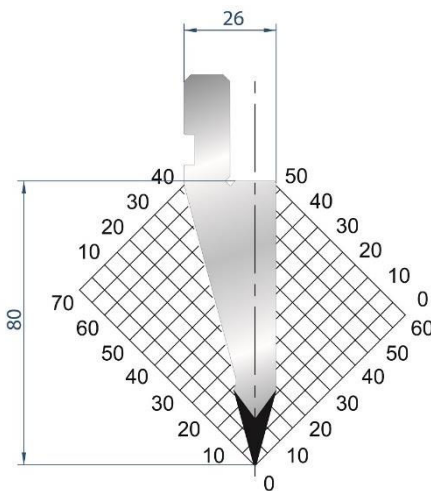
415 mm	835 mm	805mm fr
191 €	305 €	528 €



1194

$a=30^\circ$ $R=5$ $H=104$ $\text{Max T/m}=100$

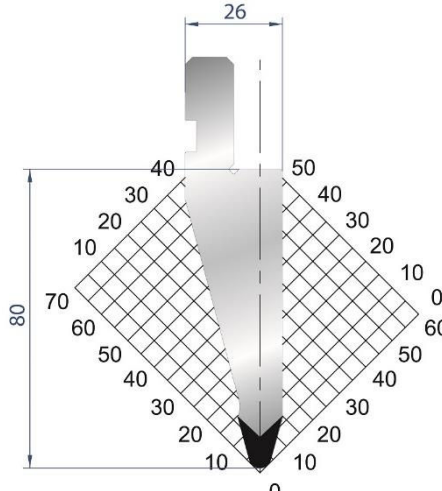
415 mm	835 mm	805mm fr
215 €	360 €	601 €



1056

$a=30^\circ$ $R=0,5$ $H=80$ $\text{Max T/m}=100$

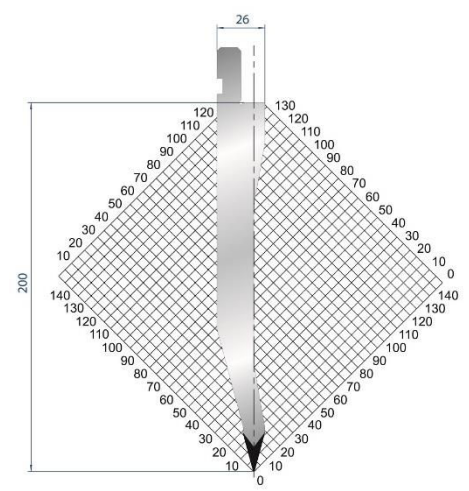
415 mm	835 mm	805mm fr
143 €	235 €	397 €



1057

$a=30^\circ$ $R=3$ $H=80$ $\text{Max T/m}=100$

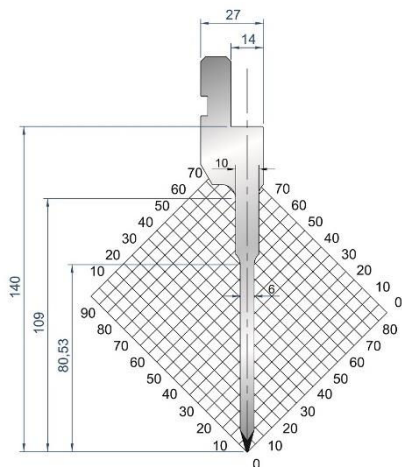
415 mm	835 mm	805mm fr
156 €	267 €	422 €



1292

$a=30^\circ$ $R=0,5$ $H=200$ $\text{Max T/m}=50$

415 mm	835 mm	805mm fr
351 €	625 €	963 €

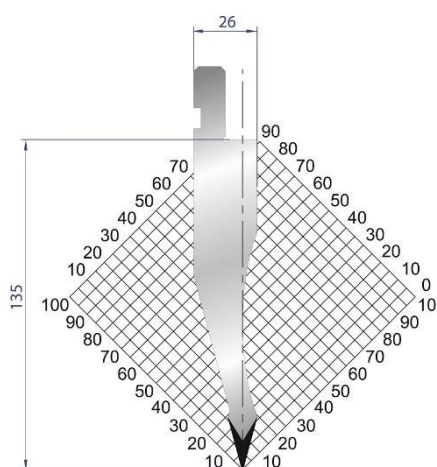


1086

$a=30^\circ$ $R=0,6$ $H=140$ $\text{Max T/m}=40$

C45 Trempé

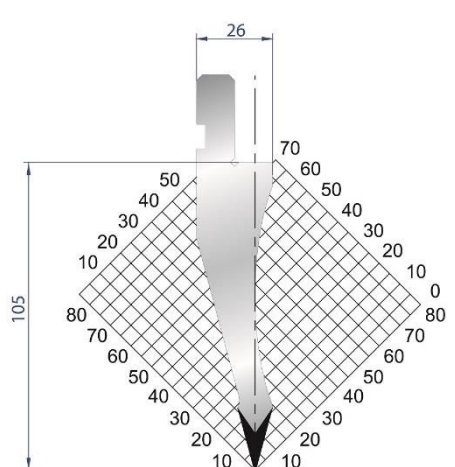
415 mm	835 mm	805mm fr
464 €	796 €	1110 €



1052

$a=30^\circ$ $R=0,5$ $H=135$ $\text{Max T/m}=50$

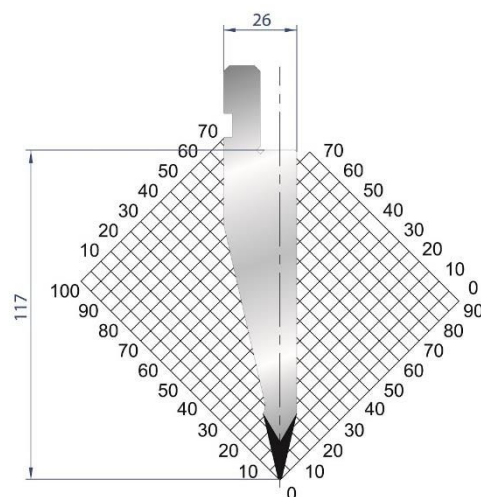
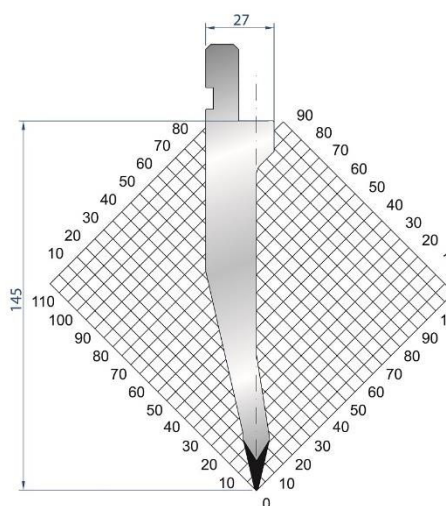
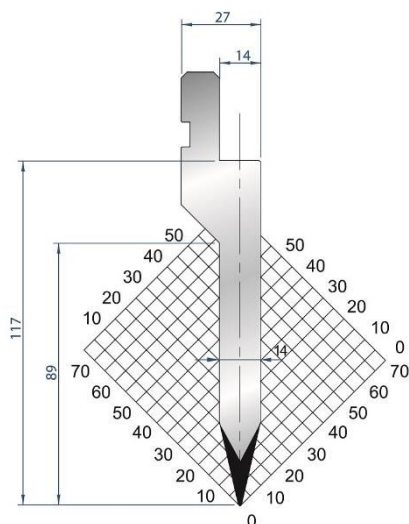
415 mm	835 mm	805mm fr
256 €	445 €	701 €



1055

$a=30^\circ$ $R=0,5$ $H=105$ $\text{Max T/m}=50$

415 mm	835 mm	805mm fr
193 €	334 €	505 €



1033

a=26° R=1 H=117 Max T/m=100

415 mm	835 mm	805mm fr
140 €	234 €	393 €

1311

a=26° R=0,8 H=145 Max T/m=100

42CrMo4

415 mm	835 mm	805mm fr
405 €	726 €	1149 €

1178

a=26° R=0,8 H=117 Max T/m=100

415 mm	835 mm	805mm fr
182 €	289 €	528 €

OU

1192 (R3)

a=26° R=3 H=117 Max T/m=100

415 mm	835 mm	805mm fr
215 €	360 €	601 €

Poinçons à utiliser avec les matrices d'écrasement en page 31.

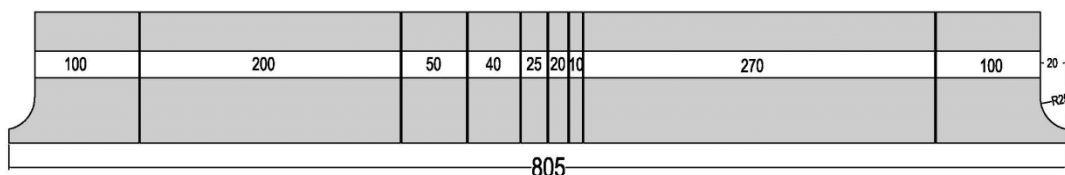


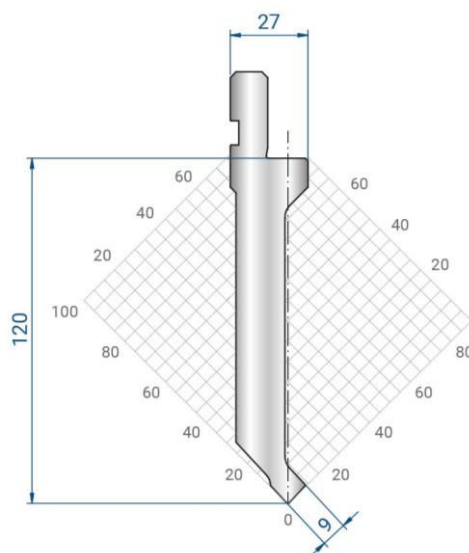
Valeurs pour acier 45 kg/mm

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

Valeurs pour inox 70 kg/mm

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

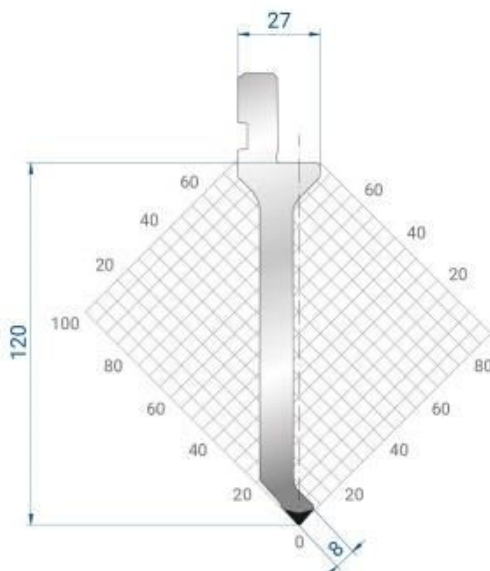




1340

100T/M $\alpha=86^\circ$ - R=0,6 - H=120 (804)

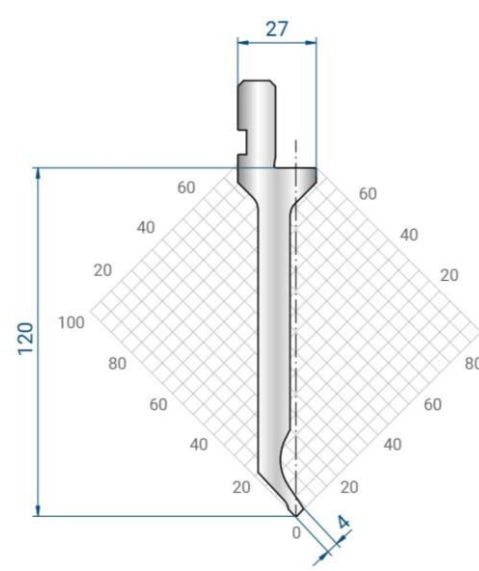
415 mm	835 mm	800mm fr
198 €	346 €	477 €



1341

50T/M $\alpha=86^\circ$ - R=0,6 - H=120 (820)

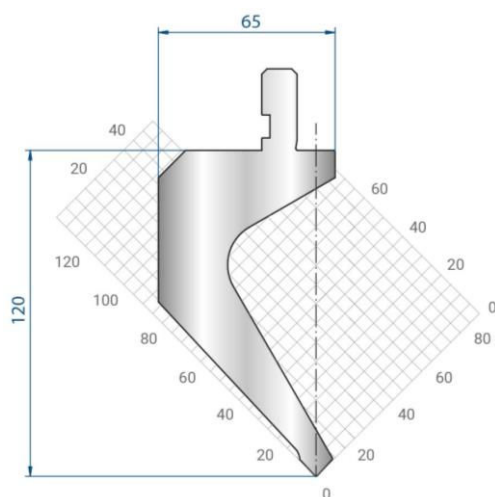
415 mm	835 mm	800mm fr
279 €	481 €	767 €



1342

30T/M $\alpha=86^\circ$ - R=0,6 - H=120 (817)

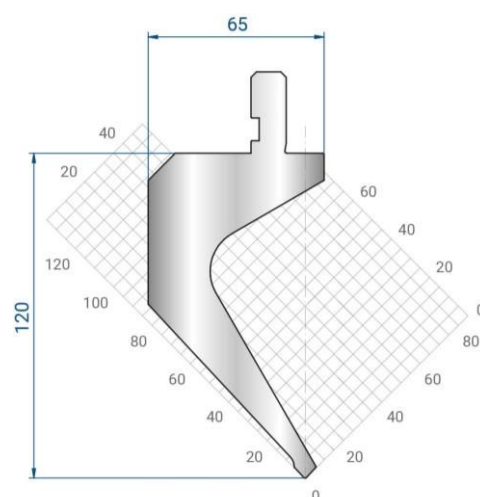
415 mm	835 mm	800mm fr
318 €	525 €	828 €



1343

50T/M $\alpha=86^\circ$ - R=0,6 - H=120 (847)

415 mm	835 mm	800mm fr
438 €	789 €	1085 €

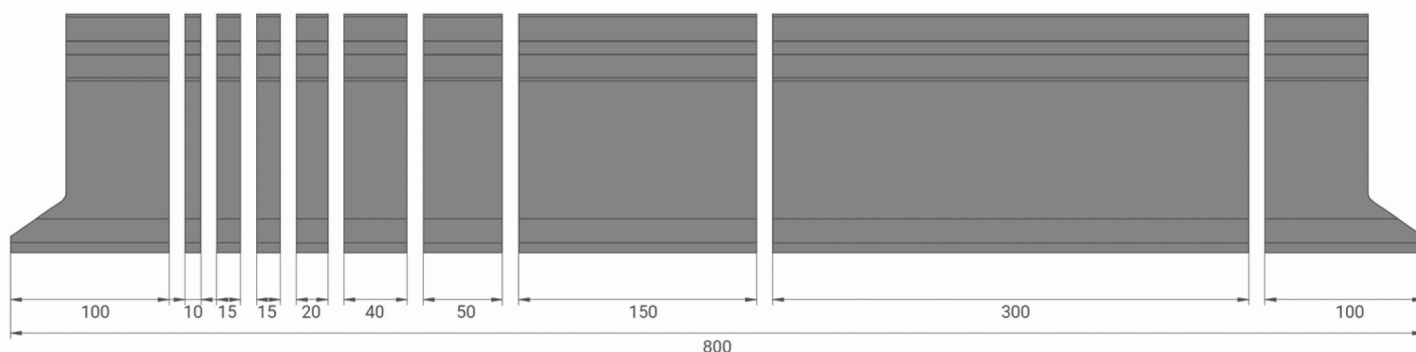


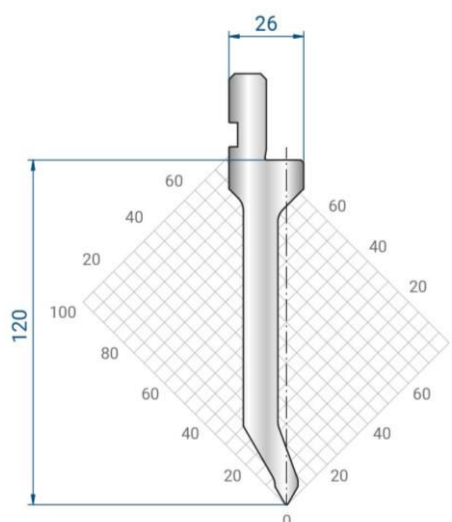
1344

45T/M $\alpha=86^\circ$ - R=0,6 - H=120 (846)

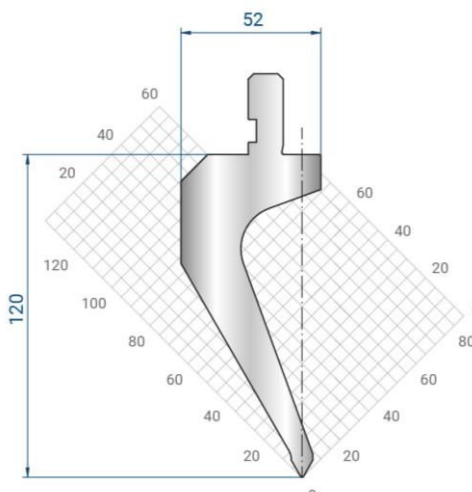
415 mm	835 mm	800mm fr
445 €	805 €	1125 €

Gamme ESH: l'ensemble des poinçons est en acier 42CrMo4

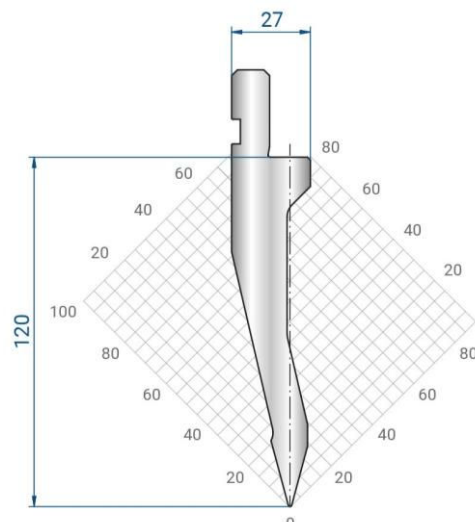




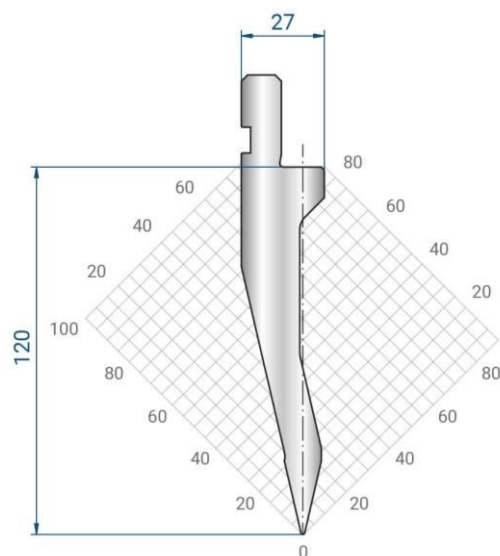
1345		
70T/M $\alpha=60^\circ$ - R=0,6 - H=120 (840)		
415 mm	835 mm	800mm fr
249 €	433 €	656 €



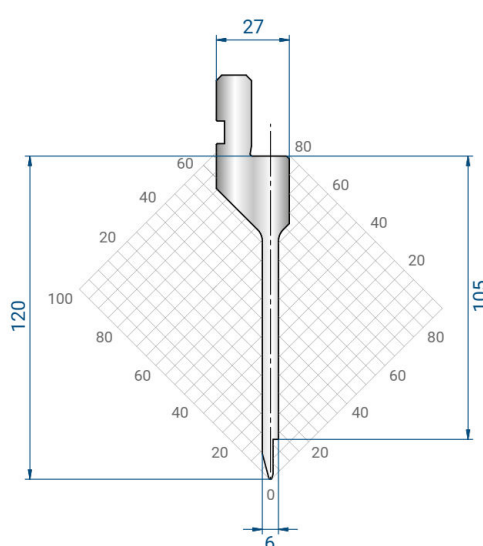
1346		
70T/M $\alpha=60^\circ$ - R=0,6 - H=120 (841)		
415 mm	835 mm	800mm fr
386 €	693 €	981 €



1347		
100T/M $\alpha=30^\circ$ - R=0,6 - H=120 (831)		
415 mm	835 mm	800mm fr
256 €	425 €	638 €



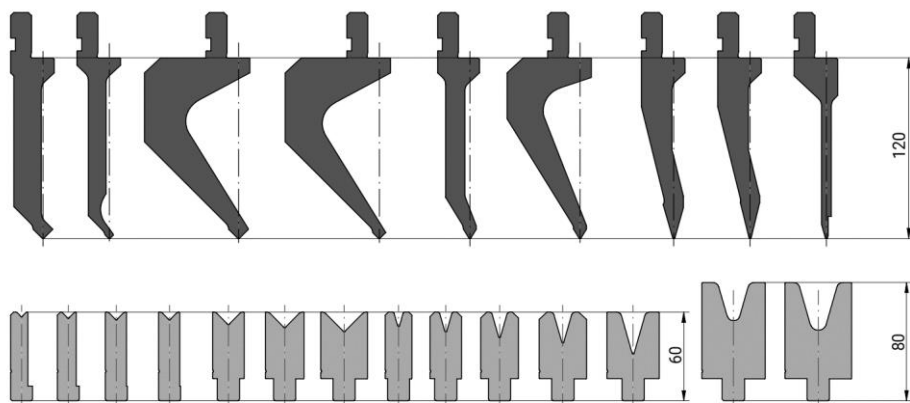
1348		
100T/M $\alpha=26^\circ$ - R=0,6 - H=120 (831)		
415 mm	835 mm	800mm fr
285 €	503 €	710 €

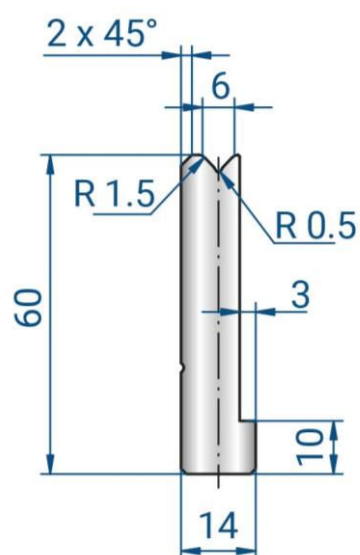


1349		
45T/M $\alpha=30^\circ$ - R=0,6 - H=120 (814)		
415 mm	835 mm	800mm fr
356 €	514 €	766 €

Gamme ESH:
l'ensemble des
poinçons est en
acier 42CrMo4

**ESH: procédé
d'outil à hauteur
constante
compatible au
système AFH.
Il permet les
travaux en
multipostes sans
réglages
intermédiaires.**

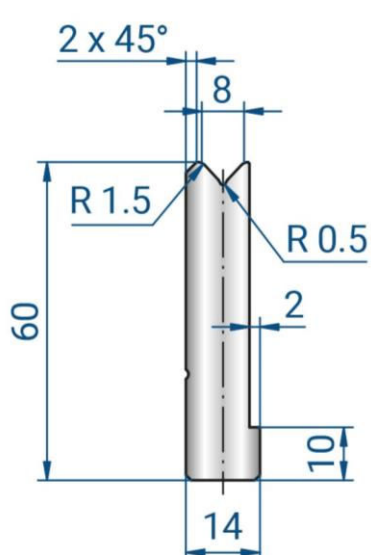




3320

80T/M $\alpha=86^\circ$ - V=6mm (070)

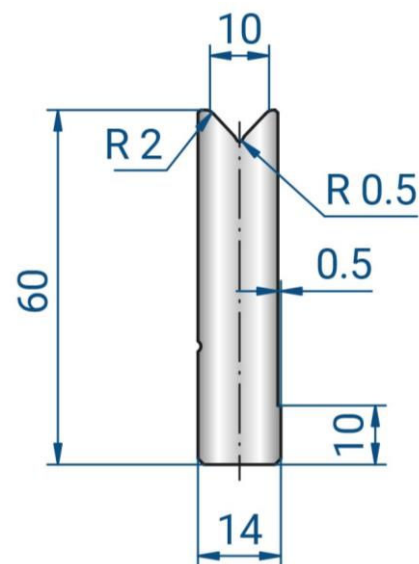
415 mm	835 mm	800mm fr
148 €	241 €	310 €



3321

100T/M $\alpha=86^\circ$ - V=8mm (071)

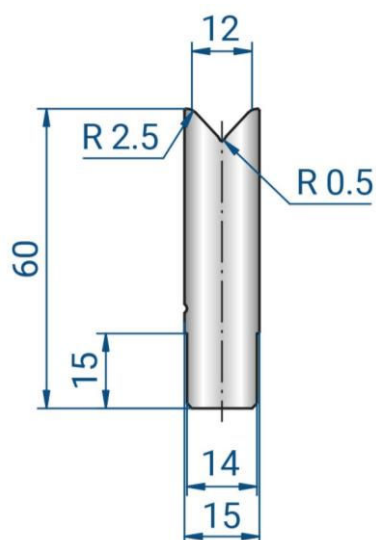
415 mm	835 mm	800mm fr
148 €	241 €	310 €



3322

100T/M $\alpha=86^\circ$ - V=10mm (072)

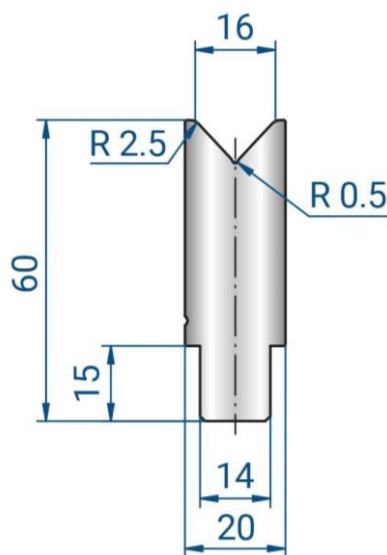
415 mm	835 mm	800mm fr
167 €	274 €	341 €



3323

100T/M $\alpha=86^\circ$ - V=12mm (074)

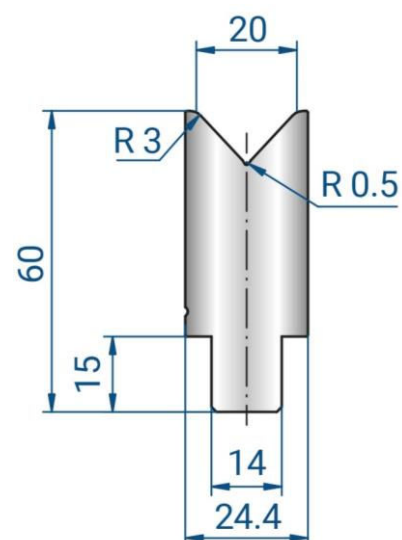
415 mm	835 mm	800mm fr
167 €	274 €	341 €



3324

100T/M $\alpha=86^\circ$ - V=16mm (077)

415 mm	835 mm	800mm fr
212 €	352 €	437 €



3325

100T/M $\alpha=86^\circ$ - V=20mm (079)

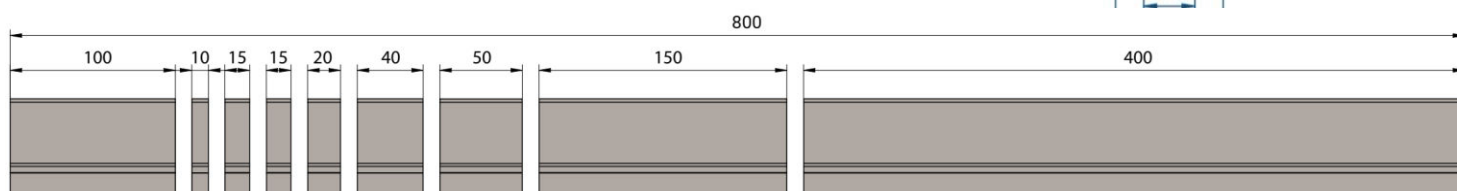
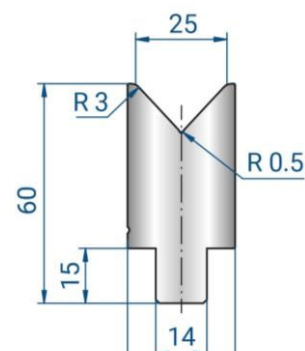
415 mm	835 mm	800mm fr
202 €	360 €	451 €

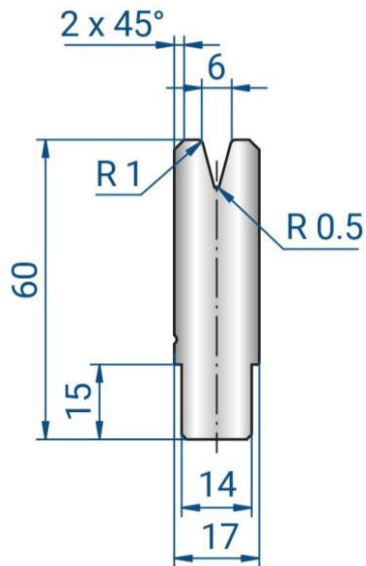
Gamme ESH:
l'ensemble des
matrices est en
acier 42CrMo4 et
avec nitruration

3326

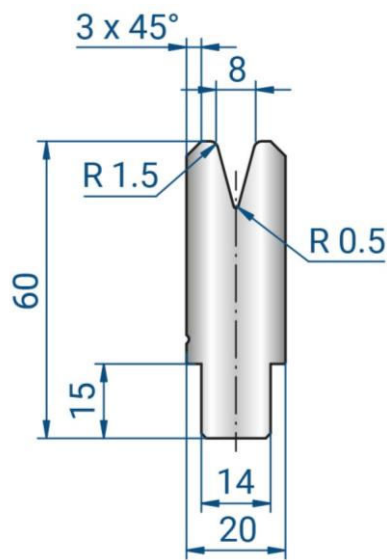
100T/M $\alpha=86^\circ$ - V=25mm (080)

415 mm	835 mm	800mm fr
221 €	394 €	486 €

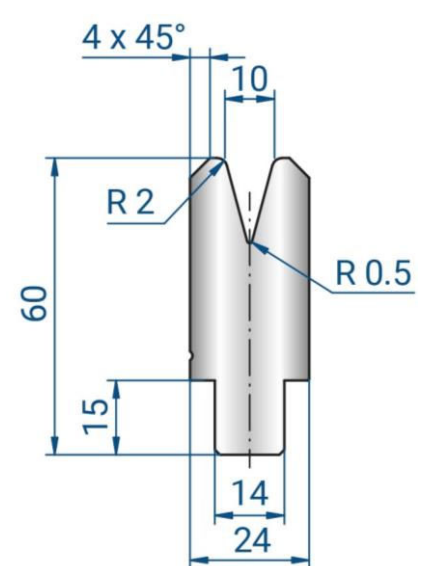


**3327**50T/M $\alpha=30^\circ$ - V=6mm (0703)

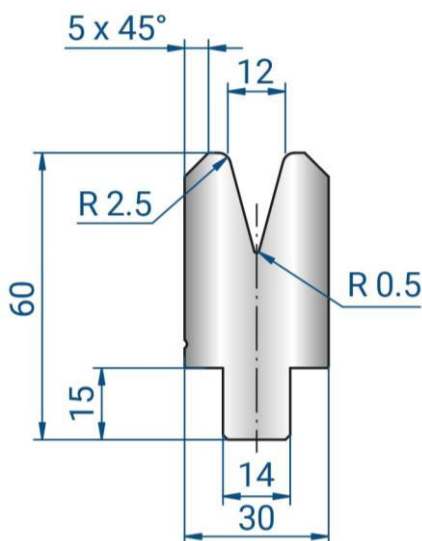
415 mm	835 mm	800mm fr
257 €	423 €	486 €

**3328**60T/M $\alpha=30^\circ$ - V=8mm (0713)

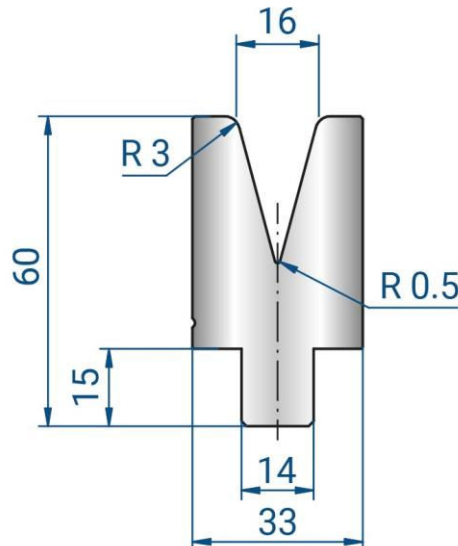
415 mm	835 mm	800mm fr
266 €	441 €	542 €

**3329**70T/M $\alpha=30^\circ$ - V=10mm (0723)

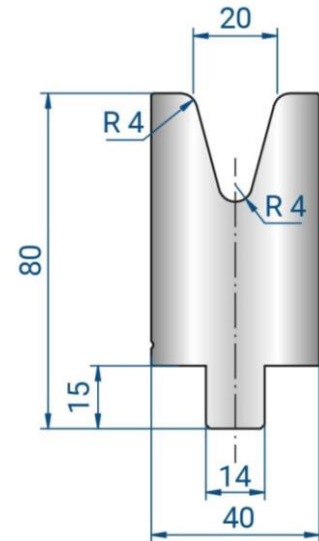
415 mm	835 mm	800mm fr
276 €	453 €	547 €

**3330**80T/M $\alpha=30^\circ$ - V=12mm (0743)

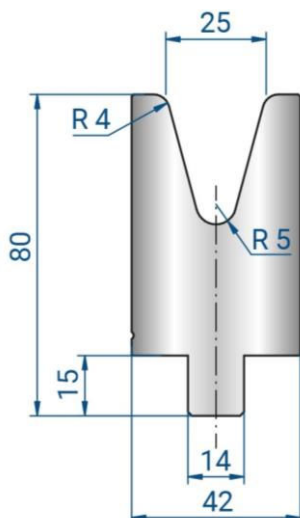
415 mm	835 mm	800mm fr
276 €	453 €	547 €

**3331**60T/M $\alpha=30^\circ$ - V=16mm (0773)

415 mm	835 mm	800mm fr
274 €	495 €	580 €

**3332**60T/M $\alpha=30^\circ$ - V=20mm (0793)

415 mm	835 mm	800mm fr
300 €	541 €	785 €

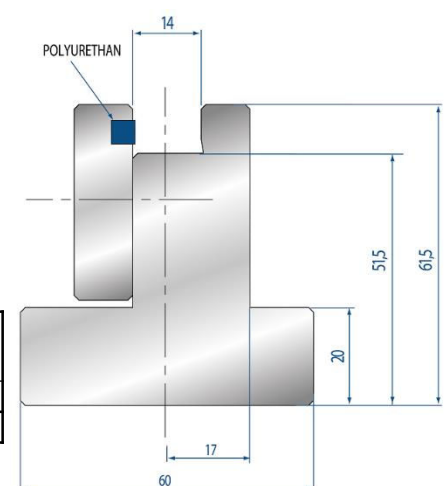
**3333**60T/M $\alpha=30^\circ$ - V=25mm (0823)

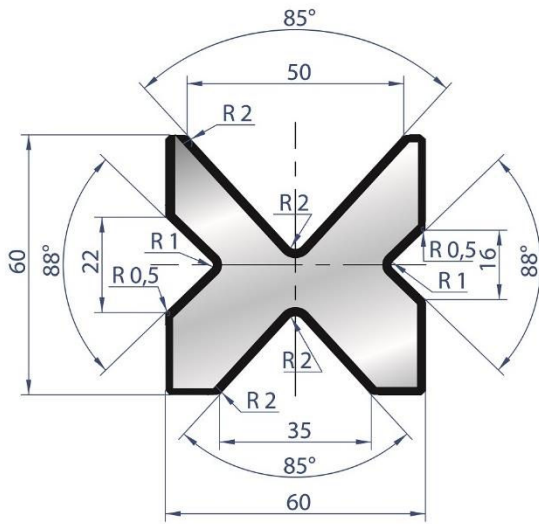
415 mm	835 mm	800mm fr
300 €	541 €	785 €

3173

Porte insert avec maintien polyuréthane

415 mm	835 mm
328 €	542 €

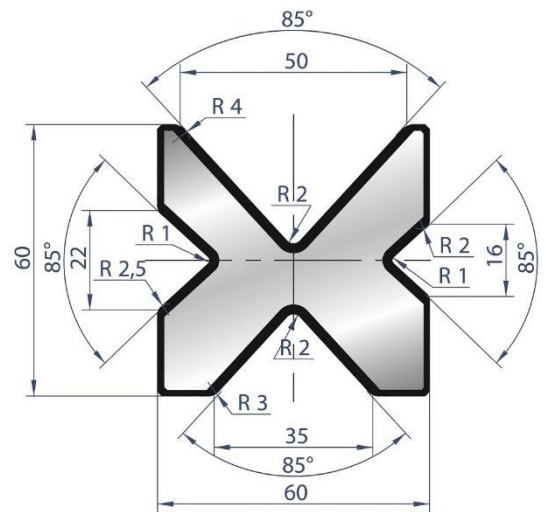




2030

V16 /22 à 88° et V35/50 à 85°
Max T/m=80

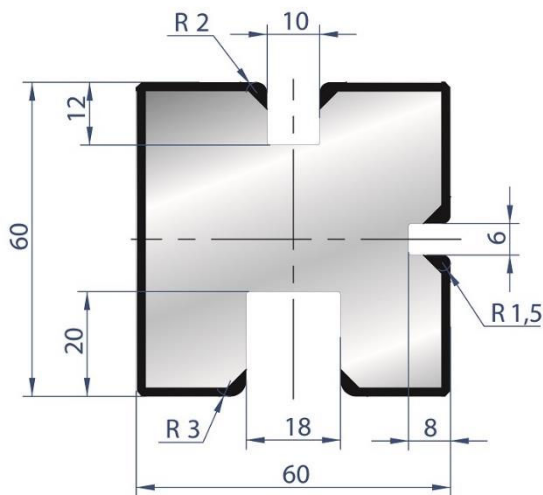
415 mm	835 mm	805mm fr
189 €	318 €	504 €



2067

V16 /22 /35/50 à 85°
Max T/m=80

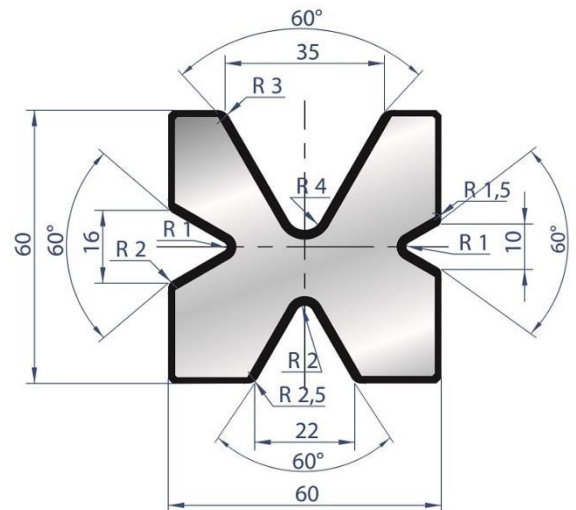
415 mm	835 mm	805mm fr
189 €	318 €	504 €



2031

U6 – U10 – U18 – Plat pour écrasement
Max T/m=100

415 mm	835 mm	805mm fr
165 €	260 €	482 €

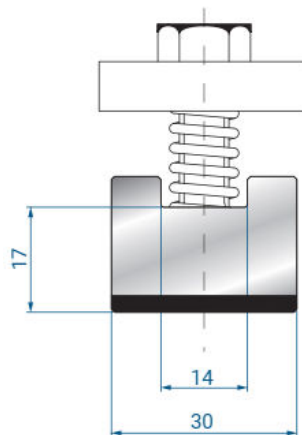


2034

V10/16/22/35 à 60°
Max T/m=60

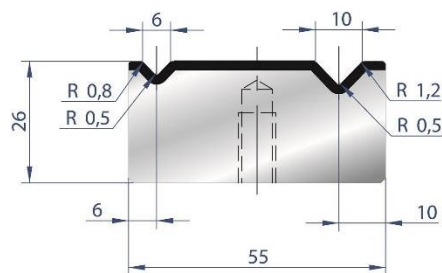
415 mm	835 mm	805mm fr
260 €	444 €	635 €

1043 Tas de frappe	
415 mm	835 mm
66 €	117 €

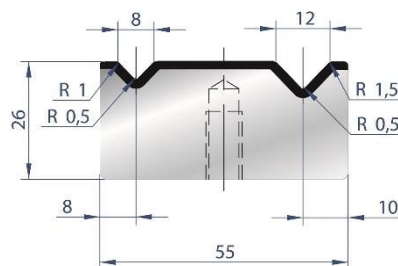


**Tas de frappe à utiliser
avec la face plate de la
matrice 2031.**

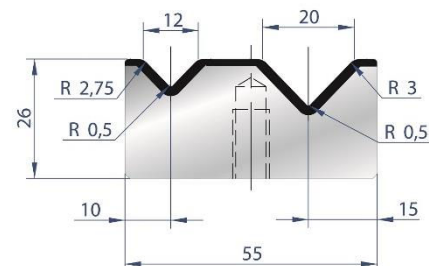
200	50	40	20	15	10	370	100
805							



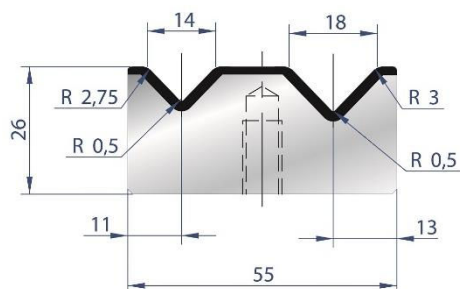
2046	
V 6/10 a=88° Max T/m=100	
415 mm	835 mm
89 €	154 €



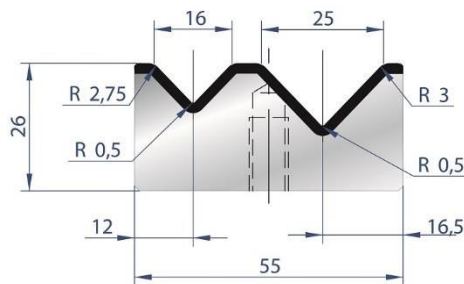
2041	
V 8/12 a=88° Max T/m=100	
415 mm	835 mm
89 €	154 €



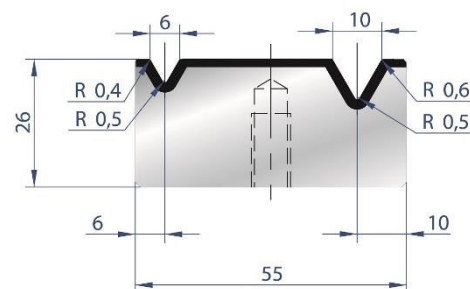
2013	
V 12/20 a=88° Max T/m=100	
415 mm	835 mm
89 €	154 €



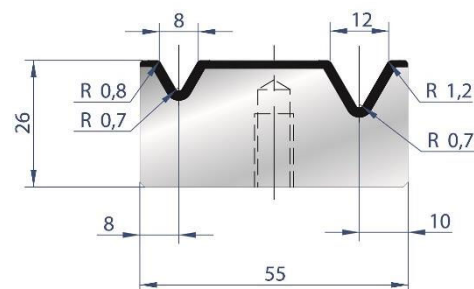
2032	
V 14/18 a=88° Max T/m=100	
415 mm	835 mm
89 €	154 €



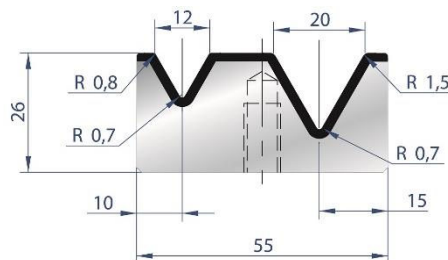
2014	
V 16/25 a=88° Max T/m=100	
415 mm	835 mm
89 €	154 €



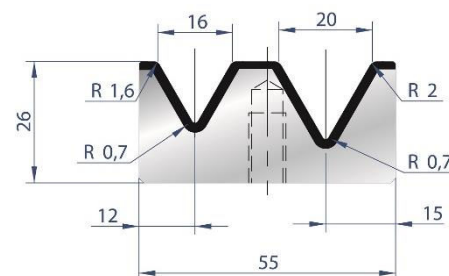
2015	
V 6/10 a=60° Max T/m=60	
415 mm	835 mm
116 €	200 €



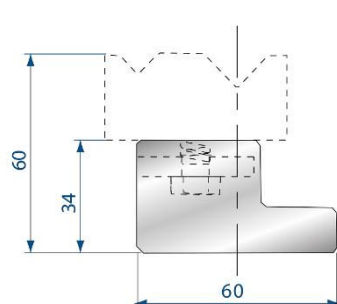
2016	
V 8/12 a=60° Max T/m=60	
415 mm	835 mm
116 €	200 €



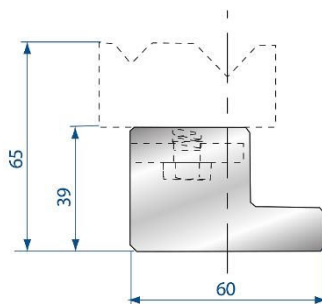
2033	
V 12/20 a=60° Max T/m=60	
415 mm	835 mm
116 €	200 €



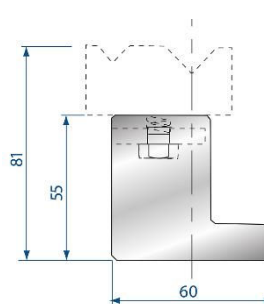
2017	
V 16/20 a=60° Max T/m=60	
415 mm	835 mm
116 €	200 €



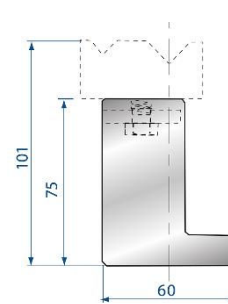
2018	
Réhausse H 34 mm	
415 mm	835 mm
93 €	155 €



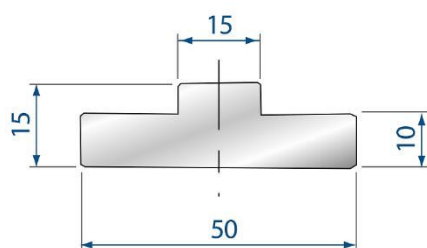
2039	
Réhausse H 39 mm	
415 mm	835 mm
100 €	160 €



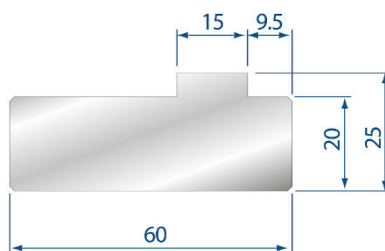
2019	
Réhausse H 55 mm	
415 mm	835 mm
105 €	175 €



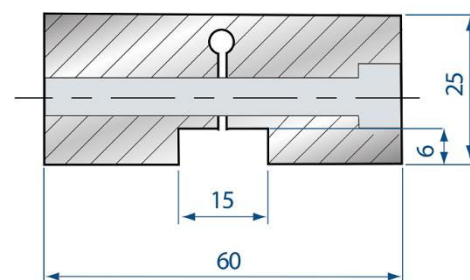
2035	
Réhausse H 75 mm	
415 mm	835 mm
142 €	246 €



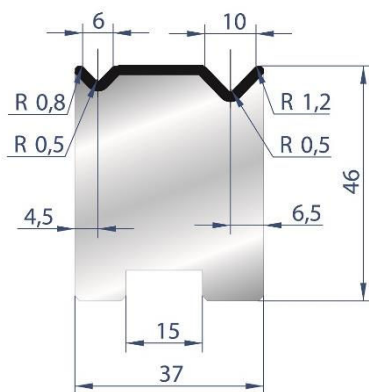
2058	
Réhausse H 10 mm	
415 mm	835 mm
89 €	161 €



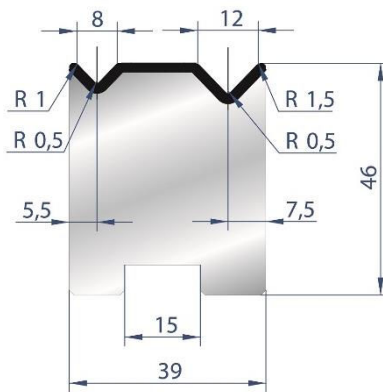
2059	
Réhausse H 20 mm	
415 mm	835 mm
112 €	216 €



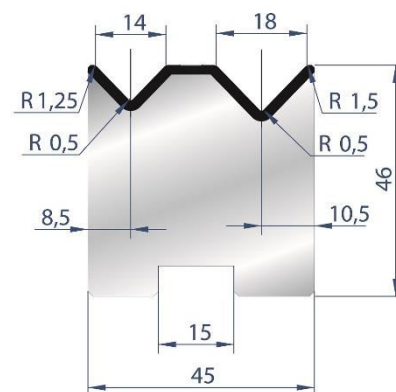
2060	
Bride de butée	
30 €	



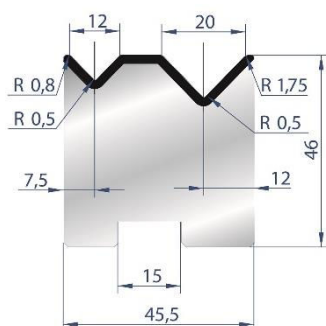
2050		
V6/10 à 88° Max T/m=80		
415 mm	835 mm	805 fr
135 €	247 €	428 €



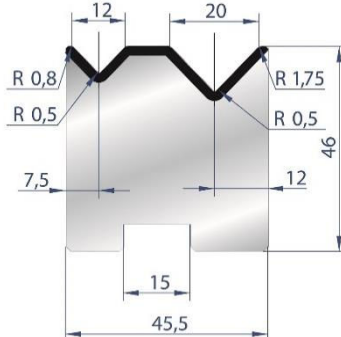
2052		
V8/12 à 88° Max T/m=80		
415 mm	835 mm	805 fr
135 €	247 €	428 €



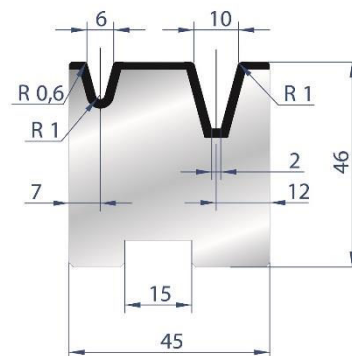
2053		
V14/18 à 88° Max T/m=80		
415 mm	835 mm	805 fr
135 €	247 €	428 €



2054		
V12/20 à 88° Max T/m=80		
415 mm	835 mm	805 fr
135 €	247 €	428 €

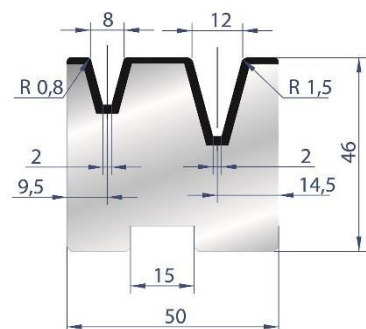
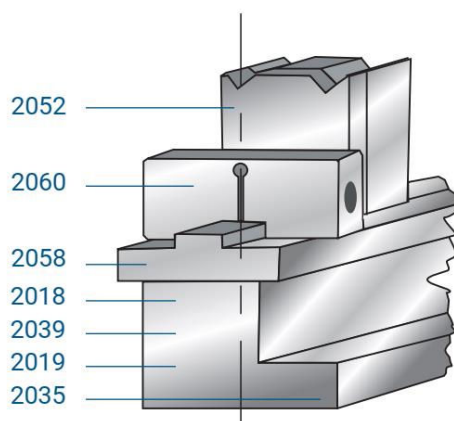


2055		
V16/25 à 88° Max T/m=80		
415 mm	835 mm	805 fr
135 €	247 €	428 €

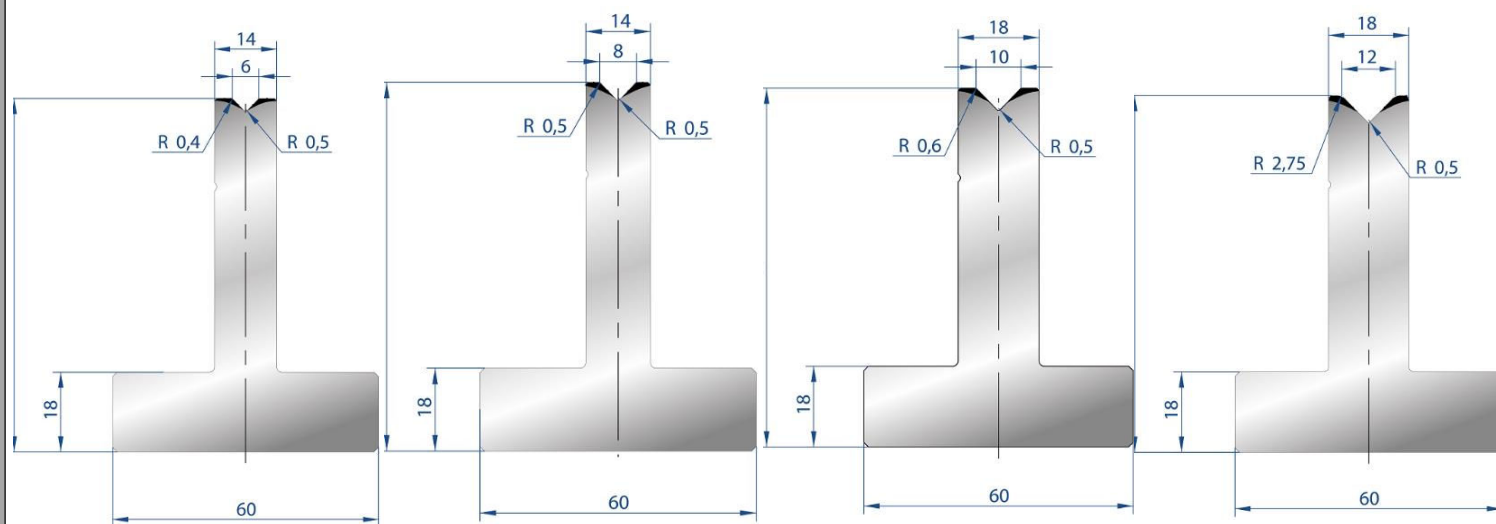


2057		
V6/10 à 30° Max T/m=40		
415 mm	835 mm	805 fr
197 €	348 €	532 €

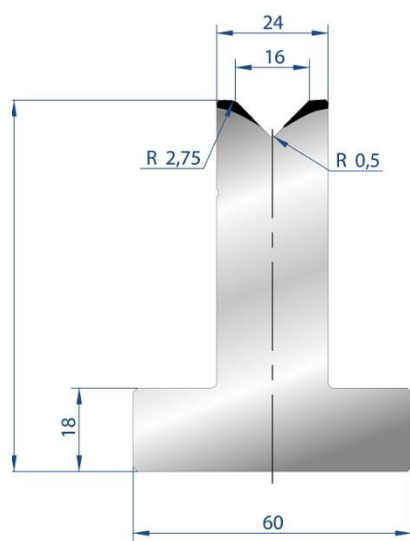
Exemple de montage



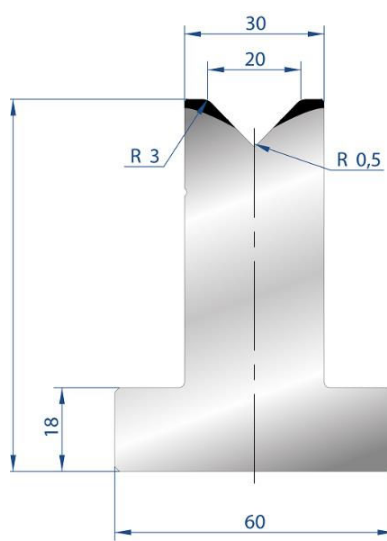
2056		
V8/12 à 30° Max T/m=40		
415 mm	835 mm	805 fr
197 €	348 €	532 €



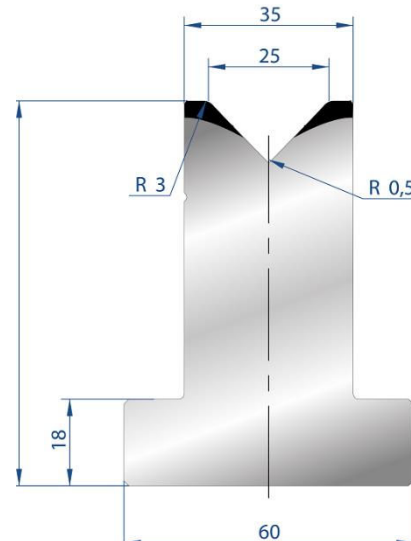
3080 (H 80 mm) a=88° V=6 Max T/m=100			3081 (H 80 mm) a=88° V=8 Max T/m=100			3082 (H 80 mm) a=88° V=10 Max T/m=100			3015 (H 80 mm) a=88° V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
170 €	287 €	452 €	170 €	287 €	452 €	170 €	287 €	452 €	170 €	287 €	452 €
3083 (H 120 mm) a=88° V=6 Max T/m=100			3084 (H 120 mm) a=88° V=8 Max T/m=100			3085 (H 120 mm) a=88° V=10 Max T/m=100			3055 (H 120 mm) a=88° V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
274 €	484 €	666 €	274 €	484 €	666 €	274 €	484 €	666 €	274 €	484 €	666 €



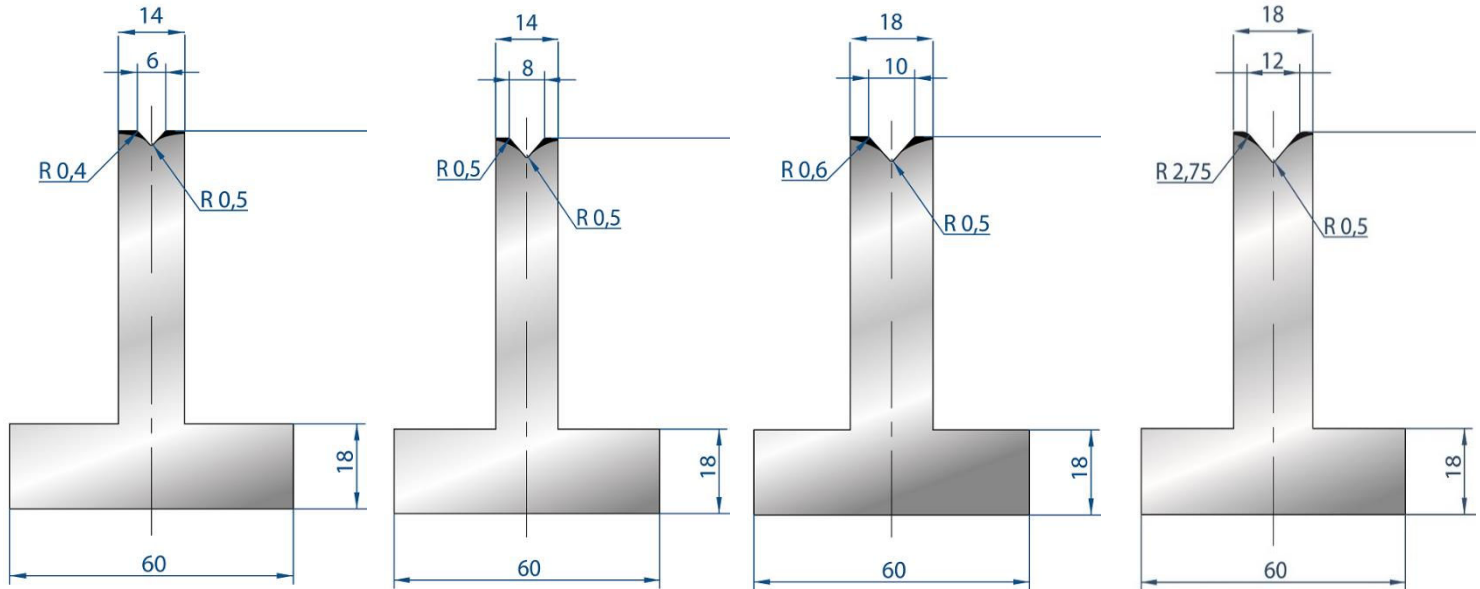
3016 (H 80 mm) a=88° V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	287 €	452 €
3056 (H 120 mm) a=88° V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
274 €	484 €	666 €



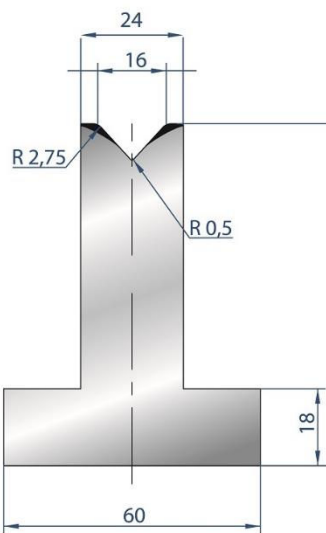
3017 (H 80 mm) a=88° V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	287 €	452 €
3057 (H 120 mm) a=88° V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
274 €	484 €	666 €



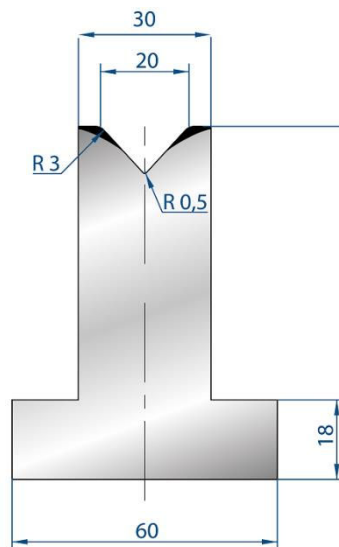
3018 (H 80 mm) a=88° V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	287 €	452 €
3058 (H 120 mm) a=88° V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
274 €	484 €	666 €



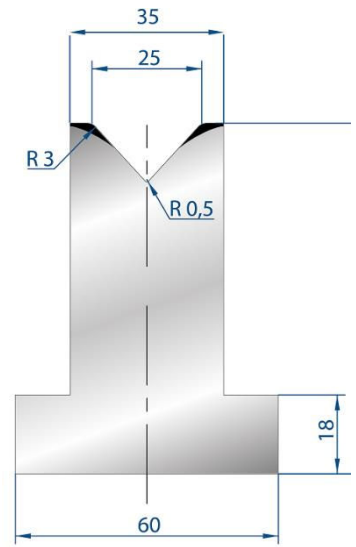
3086 (H 80 mm) a=85° V=6 Max T/m=100			3087 (H 80 mm) a=85° V=8 Max T/m=100			3088 (H 80 mm) a=85° V=10 Max T/m=100			3089 (H 80 mm) a=85° V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
170 €	287 €	452 €	170 €	287 €	452 €	170 €	287 €	452 €	170 €	287 €	452 €
3093 (H 120 mm) a=85° V=6 Max T/m=100			3094 (H 120 mm) a=85° V=8 Max T/m=100			3095 (H 120 mm) a=85° V=10 Max T/m=100			3096 (H 120 mm) a=85° V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
274 €	484 €	666 €	274 €	484 €	666 €	274 €	484 €	666 €	274 €	484 €	666 €



3090 (H 80 mm) a=85° V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	287 €	452 €
3097 (H 120 mm) a=85° V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
274 €	484 €	666 €

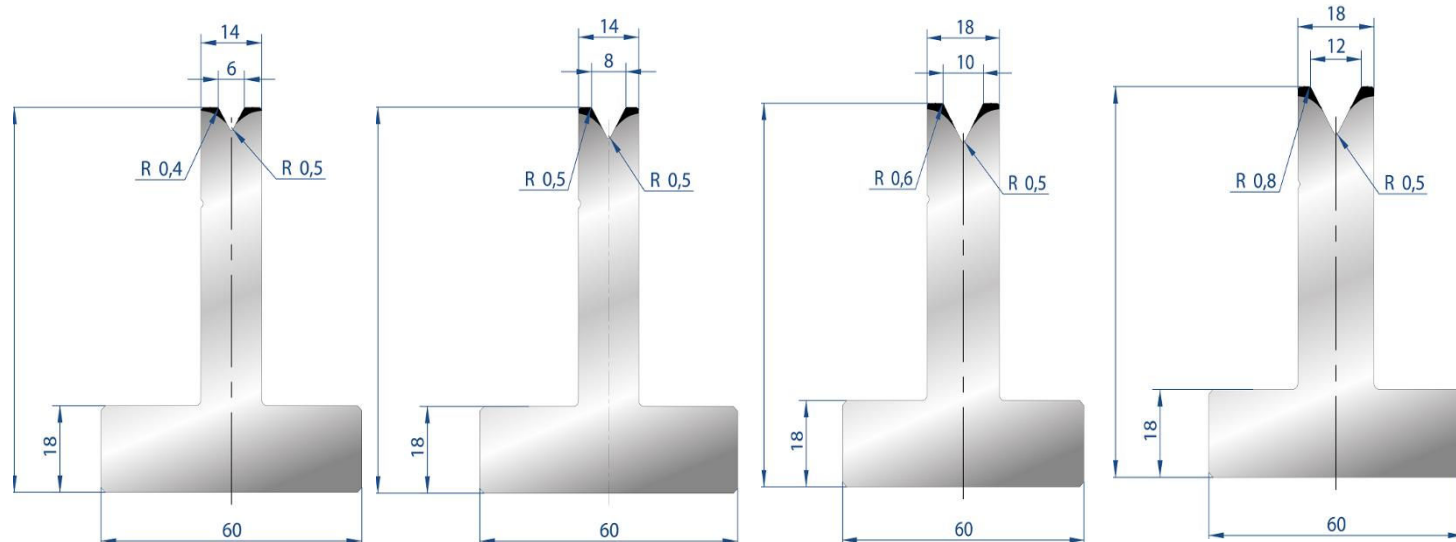


3091 (H 80 mm) a=85° V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	287 €	452 €
3098 (H 120 mm) a=85° V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
274 €	484 €	666 €

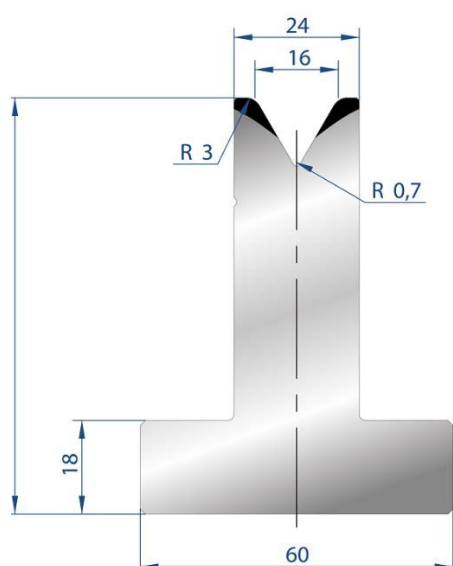


3092 (H 80 mm) a=85° V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	287 €	452 €
3099 (H 120 mm) a=85° V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
274 €	484 €	666 €

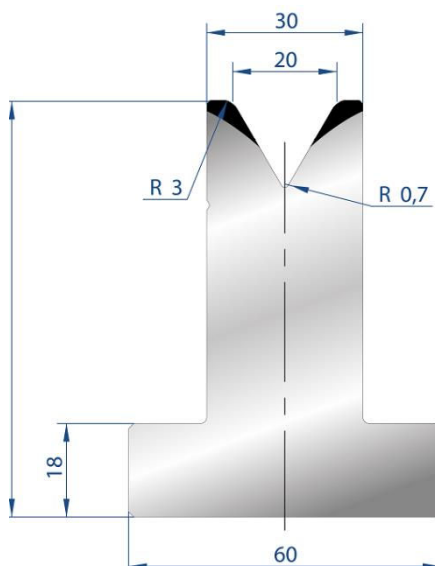
200	50	40	20	15	10	370	100
805							



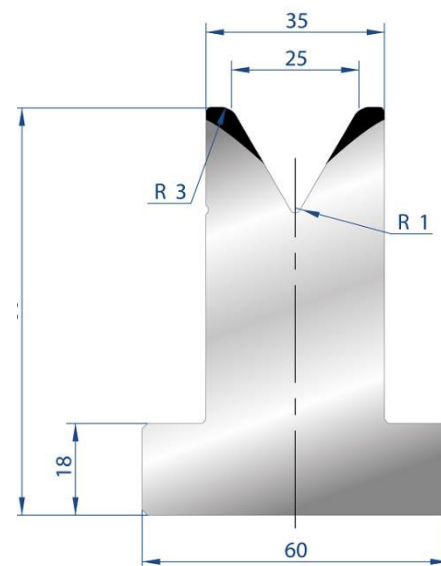
3019 (H 80 mm) a=60° V=6 Max T/m=100			3020 (H 80 mm) a=60° V=8 Max T/m=100			3021 (H 80 mm) a=60° V=10 Max T/m=100			3022 (H 80 mm) a=60° V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
184 €	314 €	481 €	184 €	314 €	481 €	184 €	314 €	481 €	184 €	314 €	481 €
3059 (H 120 mm) a=60° V=6 Max T/m=100			3060 (H 120 mm) a=60° V=8 Max T/m=100			3061 (H 120 mm) a=60° V=10 Max T/m=100			3062 (H 120 mm) a=60° V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
283 €	505 €	685 €	283 €	505 €	685 €	283 €	505 €	685 €	283 €	505 €	685 €



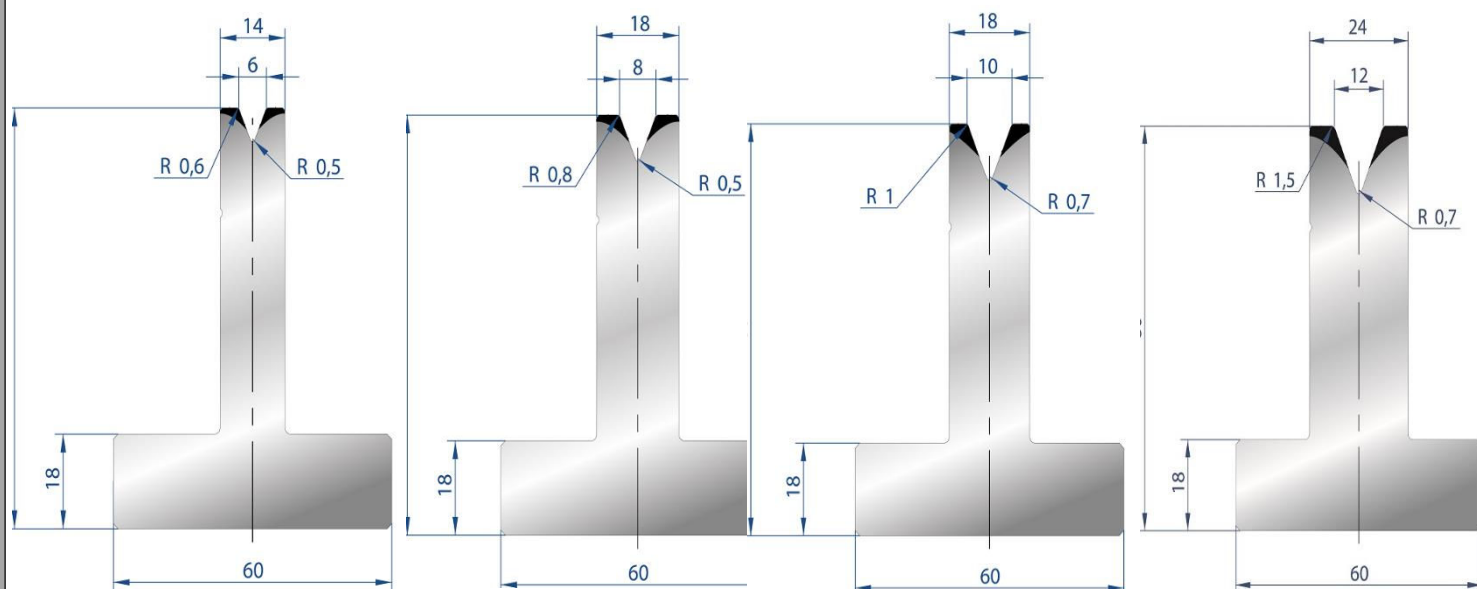
3023 (H 80 mm) a=60° V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
184 €	314 €	481 €
3063 (H 120 mm) a=60° V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
283 €	505 €	685 €



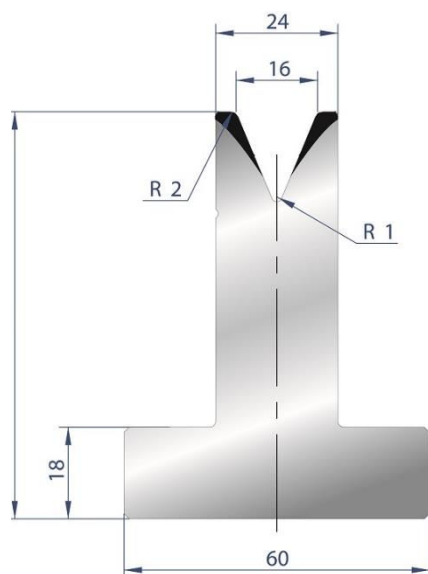
3024 (H 80 mm) a=60° V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
184 €	314 €	481 €
3064 (H 120 mm) a=60° V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
283 €	505 €	685 €



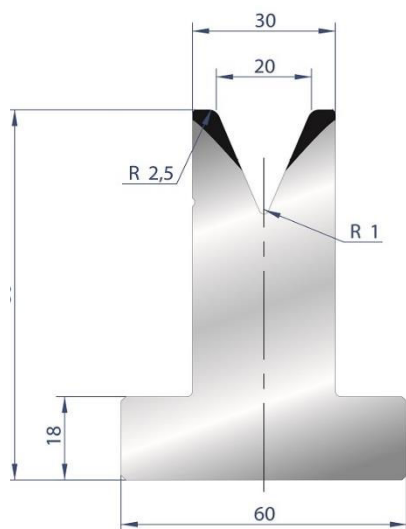
3025 (H 80 mm) a=60° V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
184 €	314 €	481 €
3065 (H 120 mm) a=60° V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
283 €	505 €	685 €



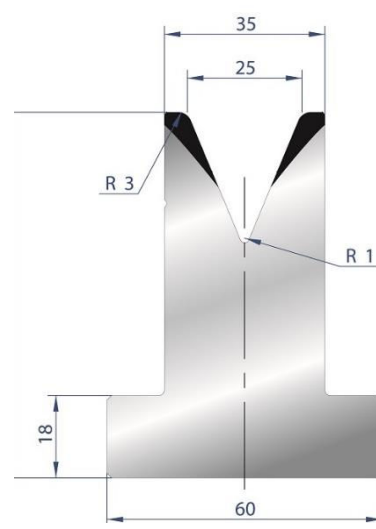
3026 (H 80 mm) a=45° V=6 Max T/m=50			3027 (H 80 mm) a=45° V=8 Max T/m=50			3028 (H 80 mm) a=45° V=10 Max T/m=50			3029 (H 80 mm) a=45° V=12 Max T/m=50		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
194 €	333 €	501 €	194 €	333 €	501 €	194 €	333 €	501 €	194 €	333 €	501 €
3066 (H 120 mm) a=45° V=6 Max T/m=50			3067 (H 120 mm) a=45° V=8 Max T/m=50			3068 (H 120 mm) a=45° V=10 Max T/m=50			3069 (H 120 mm) a=45° V=12 Max T/m=50		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
292 €	524 €	704 €	292 €	524 €	704 €	292 €	524 €	704 €	292 €	524 €	704 €



3030 (H 80 mm) a=45° V=16 Max T/m=50		
415 mm	835 mm	805 mm fr
194 €	333 €	501 €
3070 (H 120 mm) a=45° V=16 Max T/m=50		
415 mm	835 mm	805 mm fr
292 €	524 €	704 €

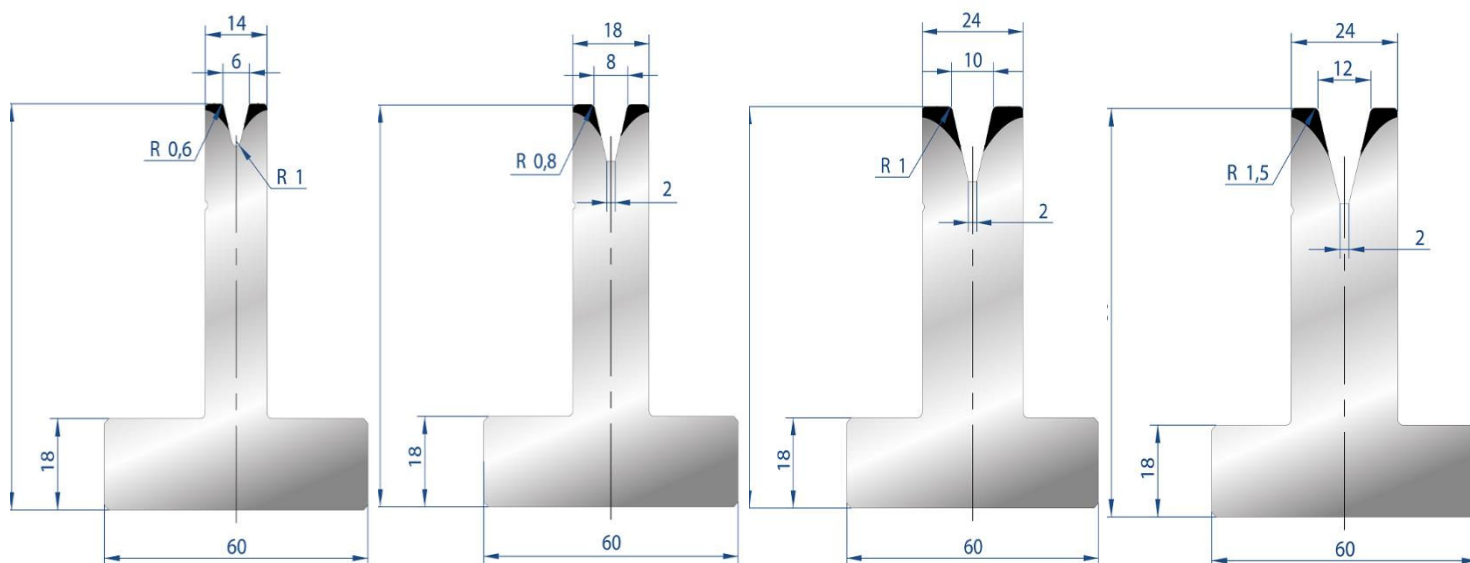


3031 (H 80 mm) a=45° V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
194 €	333 €	501 €
3071 (H 120 mm) a=45° V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
292 €	524 €	704 €

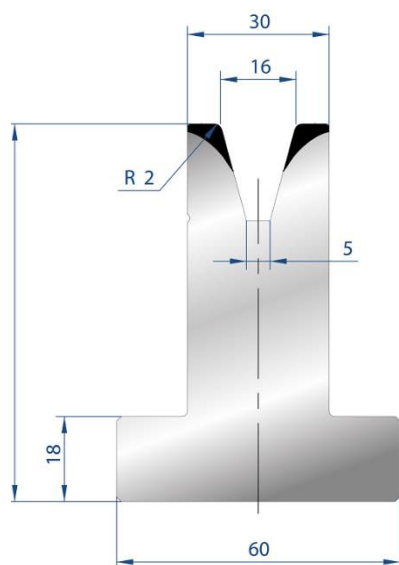


3032 (H 80 mm) a=45° V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
194 €	333 €	501 €
3072 (H 120 mm) a=45° V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
292 €	524 €	704 €

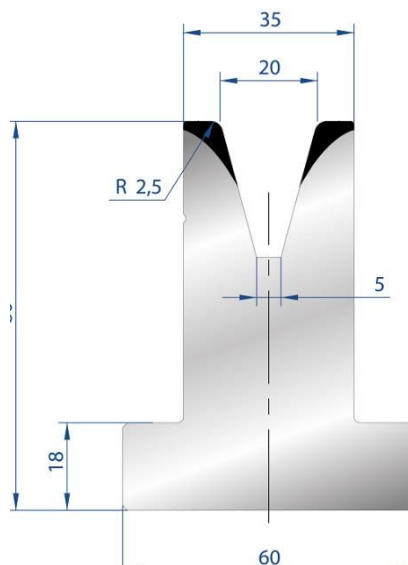
200	50	40	20	15	10	370	100
805							



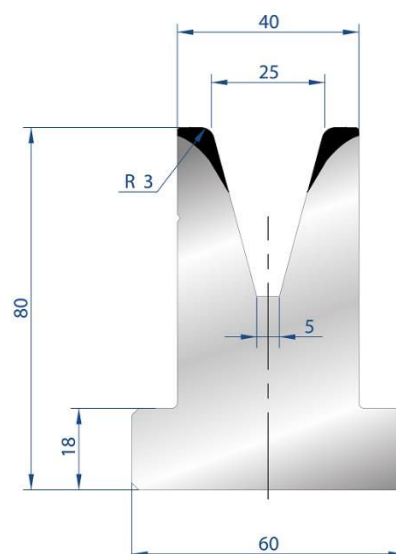
3042 (H 80 mm) a=30° V=6 Max T/m=35			3043 (H 80 mm) a=30° V=8 Max T/m=35			3044 (H 80 mm) a=30° V=10 Max T/m=50			3045 (H 80 mm) a=30° V=12 Max T/m=40		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
205 €	351 €	520 €	205 €	351 €	520 €	205 €	351 €	520 €	205 €	351 €	520 €
3073 (H 120 mm) a=30° V=6 Max T/m=35			3074 (H 120 mm) a=30° V=8 Max T/m=35			3075 (H 120 mm) a=30° V=10 Max T/m=50			3076 (H 120 mm) a=30° V=12 Max T/m=40		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
302 €	542 €	724 €	302 €	542 €	724 €	302 €	542 €	724 €	302 €	542 €	724 €



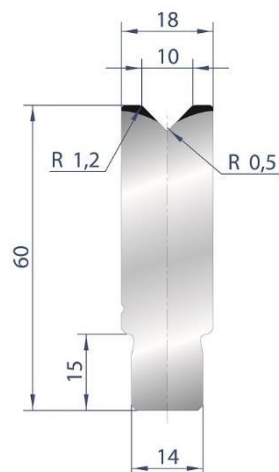
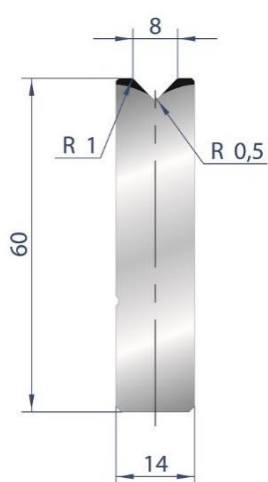
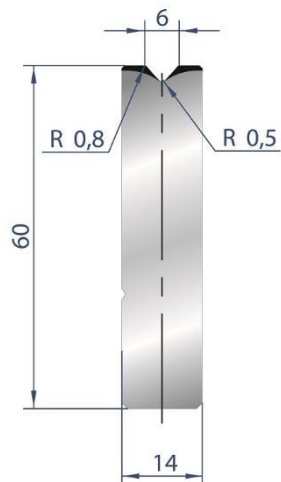
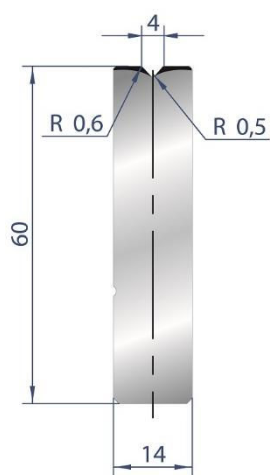
3046 (H 80 mm) a=30° V=16 Max T/m=45		
415 mm	835 mm	805 mm fr
205 €	351 €	520 €
3077 (H 120 mm) a=30° V=16 Max T/m=45		
415 mm	835 mm	805 mm fr
302 €	542 €	724 €



3047 (H 80 mm) a=30° V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
205 €	351 €	520 €
3078 (H 120 mm) a=30° V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
302 €	542 €	724 €



3048 (H 80 mm) a=30° V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
205 €	351 €	520 €
3079 (H 120 mm) a=30° V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
302 €	542 €	724 €



3158

V 4 à 88° Max T/m=100

415 mm	835 mm	805 fr
120 €	237 €	415 €

3159

V 6 à 88° Max T/m=100

415 mm	835 mm	805 fr
120 €	237 €	415 €

3160

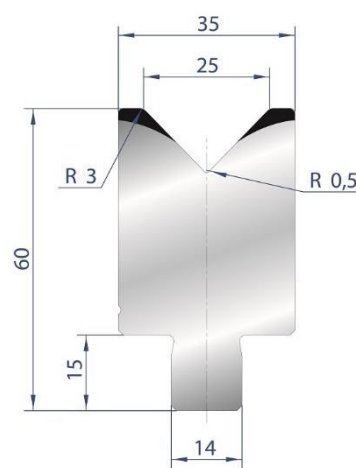
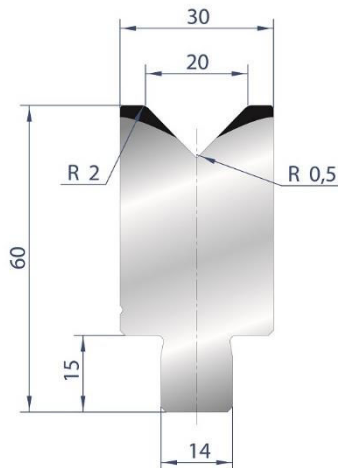
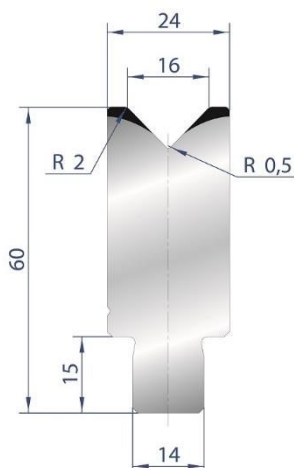
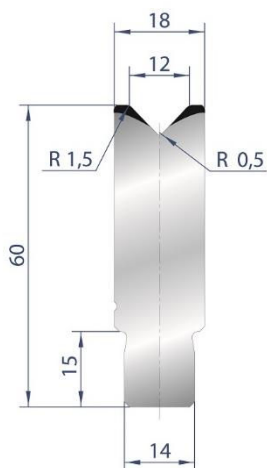
V 8 à 88° Max T/m=100

415 mm	835 mm	805 fr
120 €	237 €	415 €

3161

V 10 à 88° Max T/m=100

415 mm	835 mm	805 fr
120 €	237 €	415 €



3162

V 12 à 88° Max T/m=100

415 mm	835 mm	805 fr
123 €	242 €	424 €

3163

V 16 à 88° Max T/m=100

415 mm	835 mm	805 fr
137 €	272 €	453 €

3164

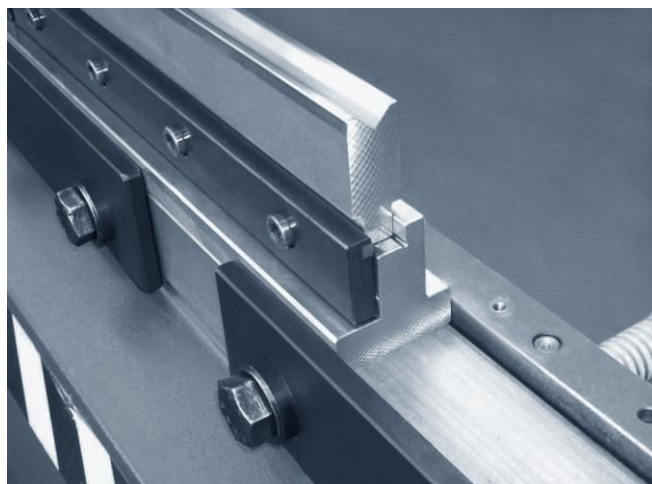
V 20 à 88° Max T/m=100

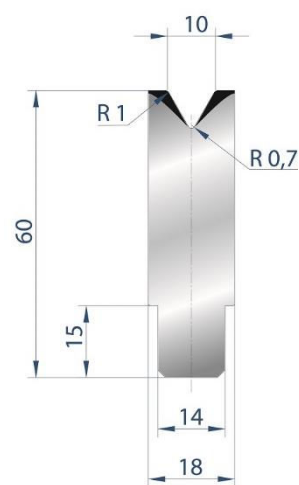
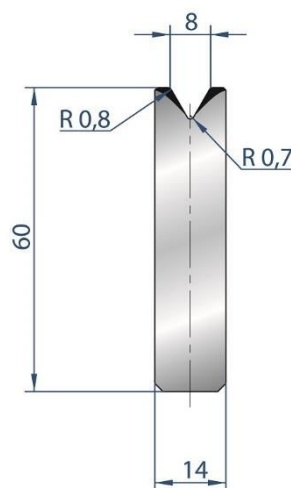
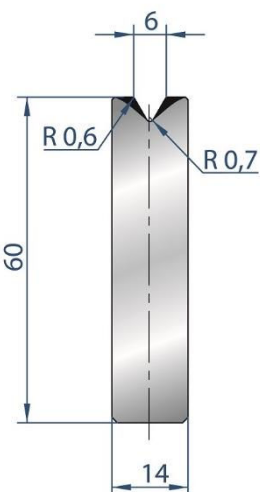
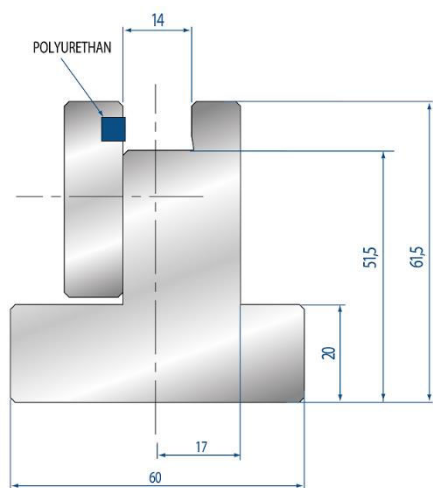
415 mm	835 mm	805 fr
143 €	292 €	474 €

3165

V 25 à 88° Max T/m=100

415 mm	835 mm	805 fr
158 €	314 €	500 €





3173

Porte insert avec maintien polyuréthane

415 mm	835 mm
328 €	542 €

3193

V 6 à 60° Max T/m=100

415 mm	835 mm	805 fr
137 €	269 €	450 €

3194

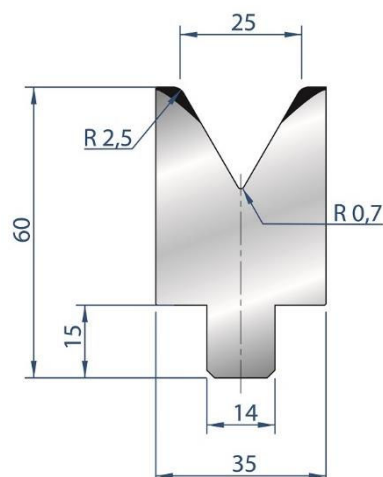
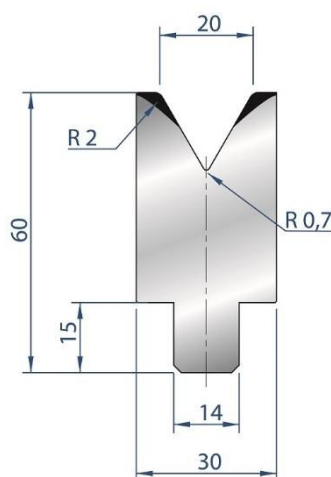
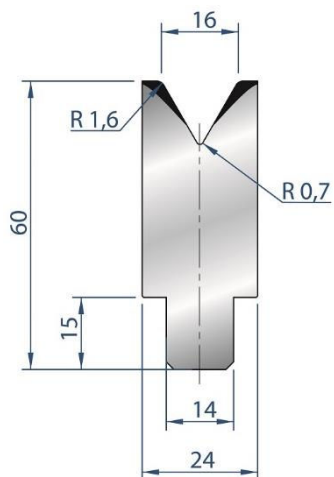
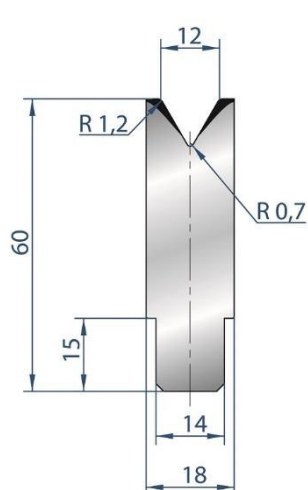
V 8 à 60° Max T/m=100

415 mm	835 mm	805 fr
137 €	269 €	450 €

3195

V 10 à 60° Max T/m=100

415 mm	835 mm	805 fr
137 €	269 €	450 €



3196

V 12 à 60° Max T/m=100

415 mm	835 mm	805 fr
140 €	279 €	461 €

3197

V 16 à 60° Max T/m=100

415 mm	835 mm	805 fr
156 €	308 €	492 €

3198

V 20 à 60° Max T/m=100

415 mm	835 mm	805 fr
166 €	329 €	509 €

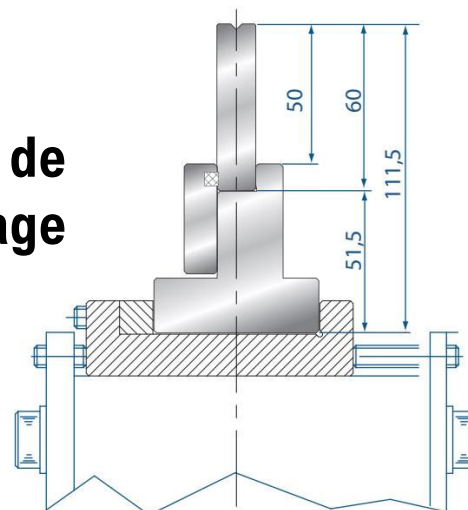
3199

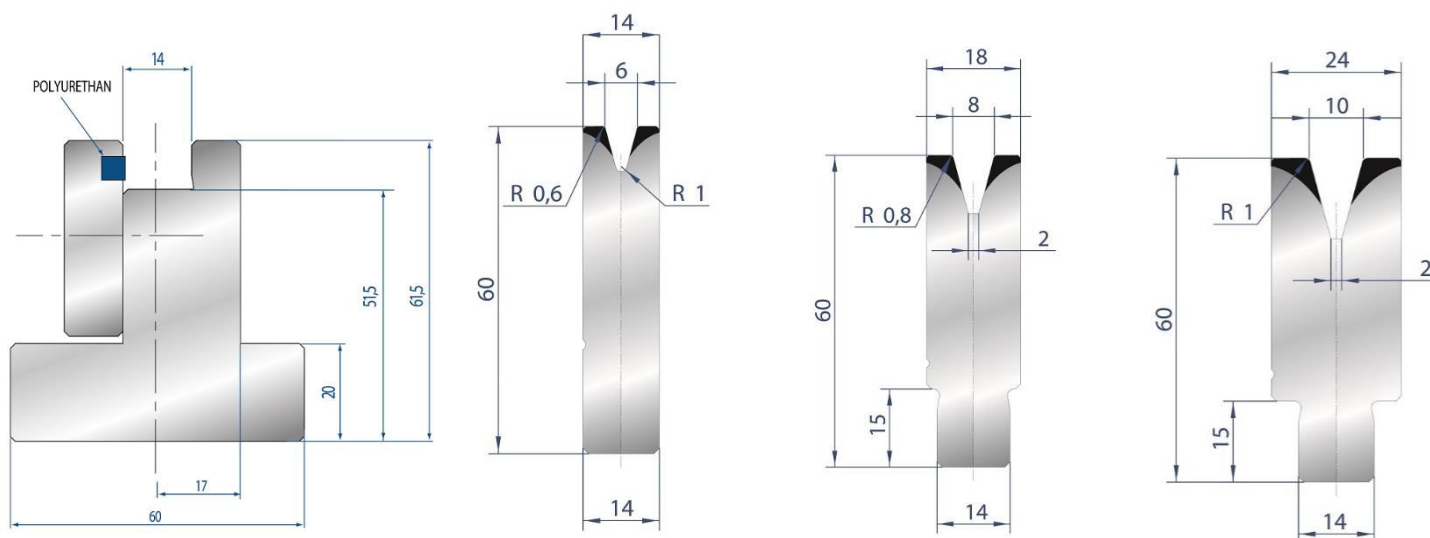
V 25 à 60° Max T/m=100

415 mm	835 mm	805 fr
174 €	350 €	539 €



Exemple de montage



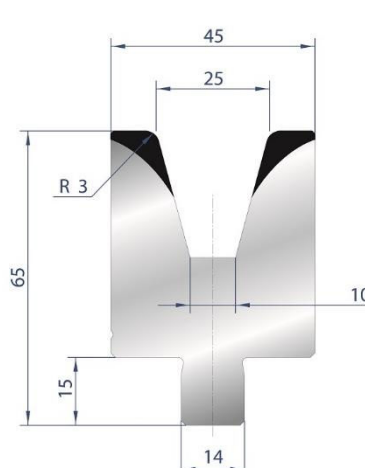
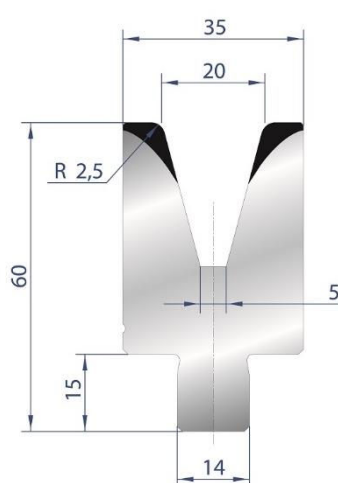
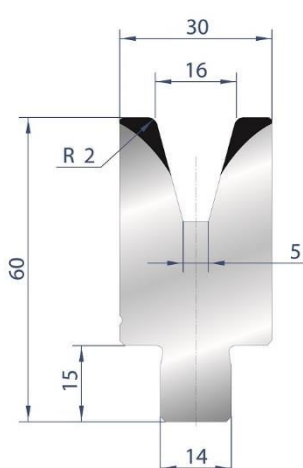
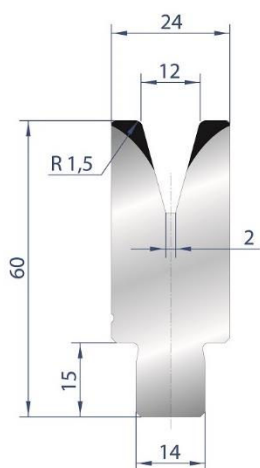


3173	
Porte insert avec maintien polyuréthane	
415 mm	835 mm
328 €	542 €

3166		
V 6 à 30° Max T/m=35		
415 mm	835 mm	805 fr
152 €	301 €	484 €

3167		
V 8 à 30° Max T/m=40		
415 mm	835 mm	805 fr
152 €	301 €	484 €

3168		
V 10 à 30° Max T/m=50		
415 mm	835 mm	805 fr
152 €	301 €	484 €



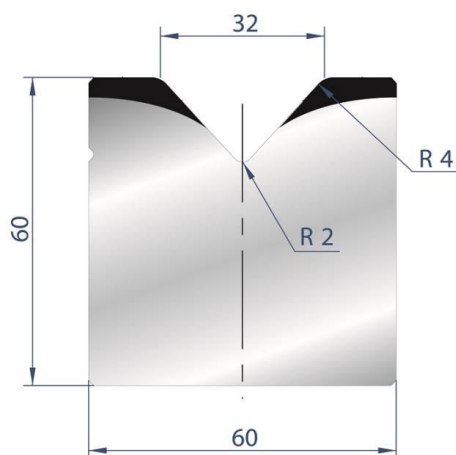
3169		
V 12 à 30° Max T/m=50		
415 mm	835 mm	805 fr
158 €	314 €	500 €

3170		
V 16 à 30° Max T/m=50		
415 mm	835 mm	805 fr
172 €	343 €	531 €

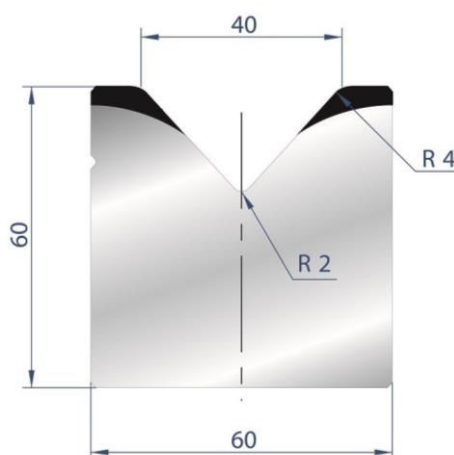
3171		
V 20 à 30° Max T/m=55		
415 mm	835 mm	805 fr
187 €	363 €	547 €

3172		
V 25 à 30° Max T/m=55		
415 mm	835 mm	805 fr
193 €	386 €	576 €

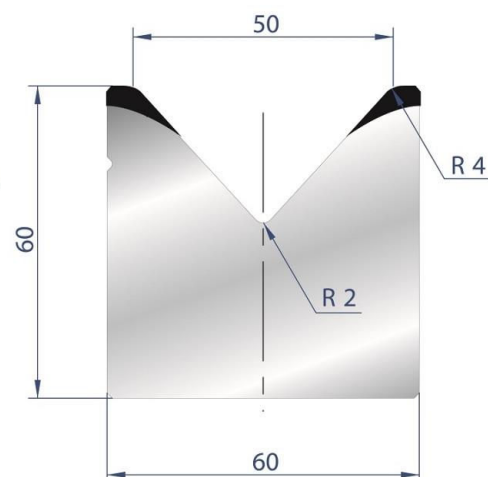
200	50	40	20	15	10	370	100
805							



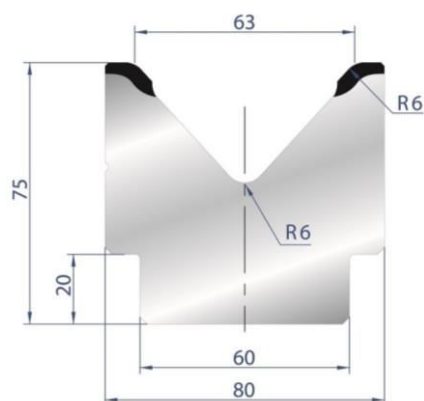
2020		
V 32 à 85° Max T/m=100		
415 mm	835 mm	805 fr
120 €	188 €	361 €



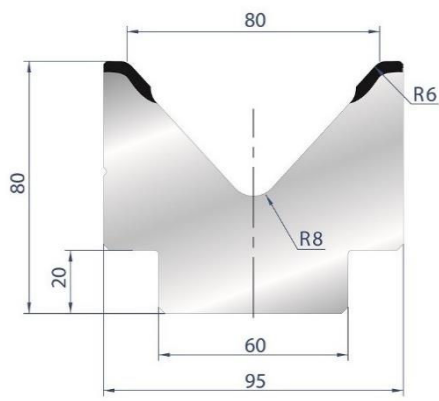
2021		
V 40 à 85° Max T/m=100		
415 mm	835 mm	805 fr
120 €	188 €	361 €



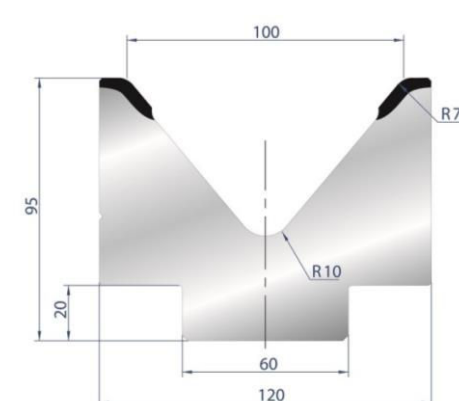
2022		
V 50 à 85° Max T/m=100		
415 mm	835 mm	805 fr
120 €	188 €	361 €



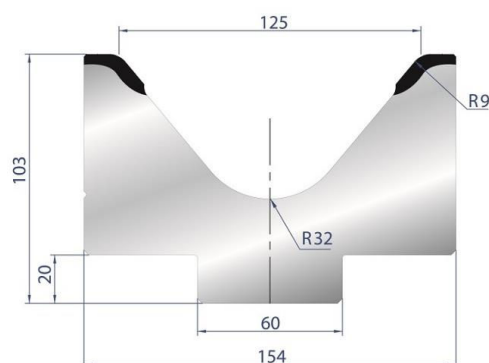
2023		
V 63 à 85° Max T/m=100		
415 mm	835 mm	805 fr
219 €	369 €	592 €



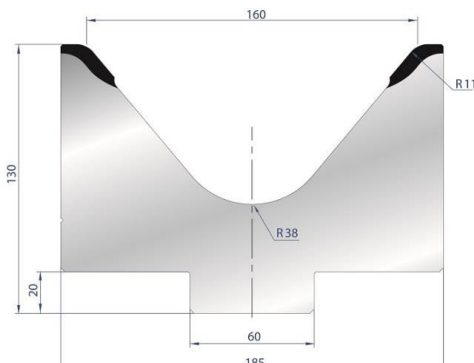
2024		
V 80 à 85° Max T/m=100		
415 mm	835 mm	805 fr
289 €	496 €	739 €



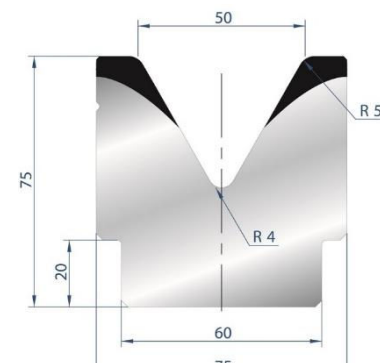
2025		
V 100 à 80° Max T/m=100		
415 mm	835 mm	805 fr
337 €	588 €	899 €



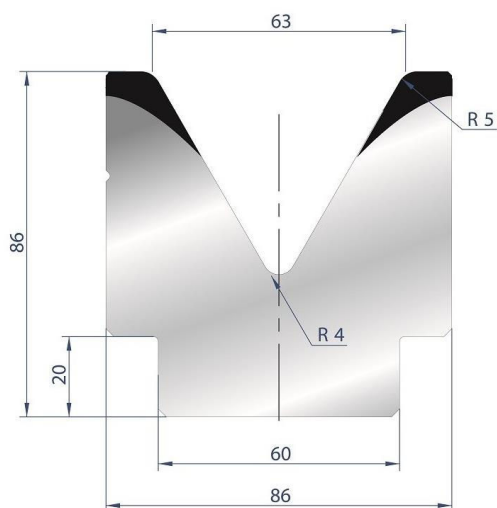
2026		
V 125 à 80° Max T/m=100		
415 mm	835 mm	805 fr
420 €	741 €	1109 €



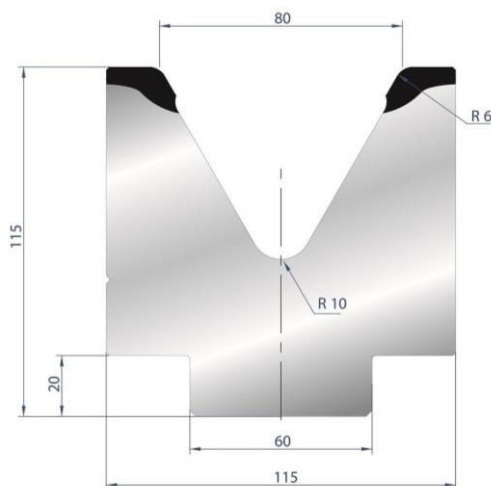
2027		
V 160 à 80° Max T/m=100		
415 mm	835 mm	805 fr
561 €	990 €	1449 €



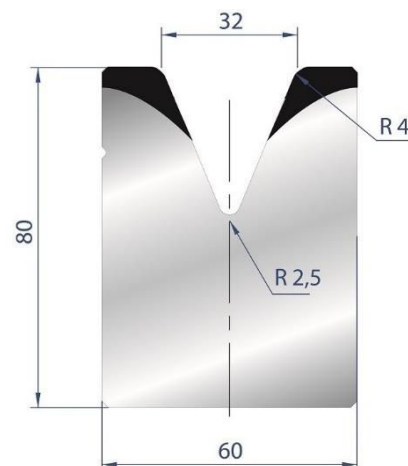
2082		
V 50 à 60° Max T/m=100		
415 mm	835 mm	805 fr
346 €	590 €	859 €



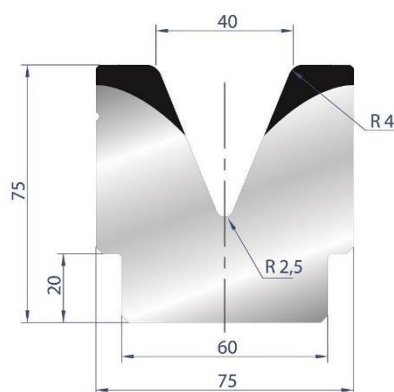
2083		
V 63 à 60° Max T/m=100		
415 mm	835 mm	805 fr
371 €	705 €	1001 €



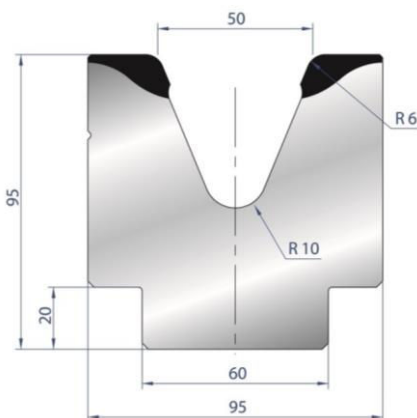
2089		
V 80 à 60° Max T/m=100		
415 mm	835 mm	805 fr
592 €	1051 €	1497 €



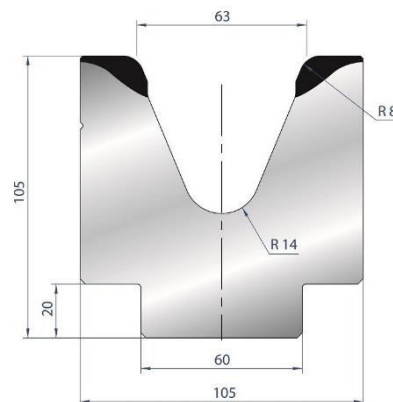
2088		
V 32 à 45° Max T/m=100		
415 mm	835 mm	805 fr
188 €	328 €	514 €



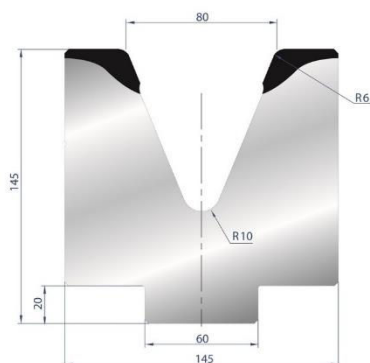
2081		
V 40 à 45° Max T/m=100		
415 mm	835 mm	805 fr
279 €	498 €	708 €



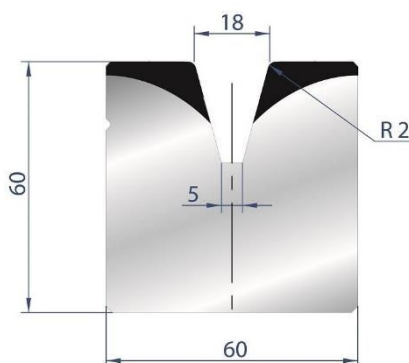
2118		
V 50 à 45° Max T/m=100		
415 mm	835 mm	805 fr
343 €	606 €	984 €



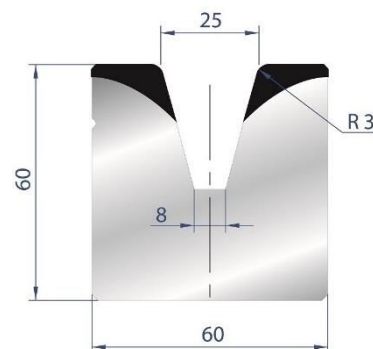
2117		
V 63 à 45° Max T/m=100		
415 mm	835 mm	805 fr
448 €	776 €	1214 €



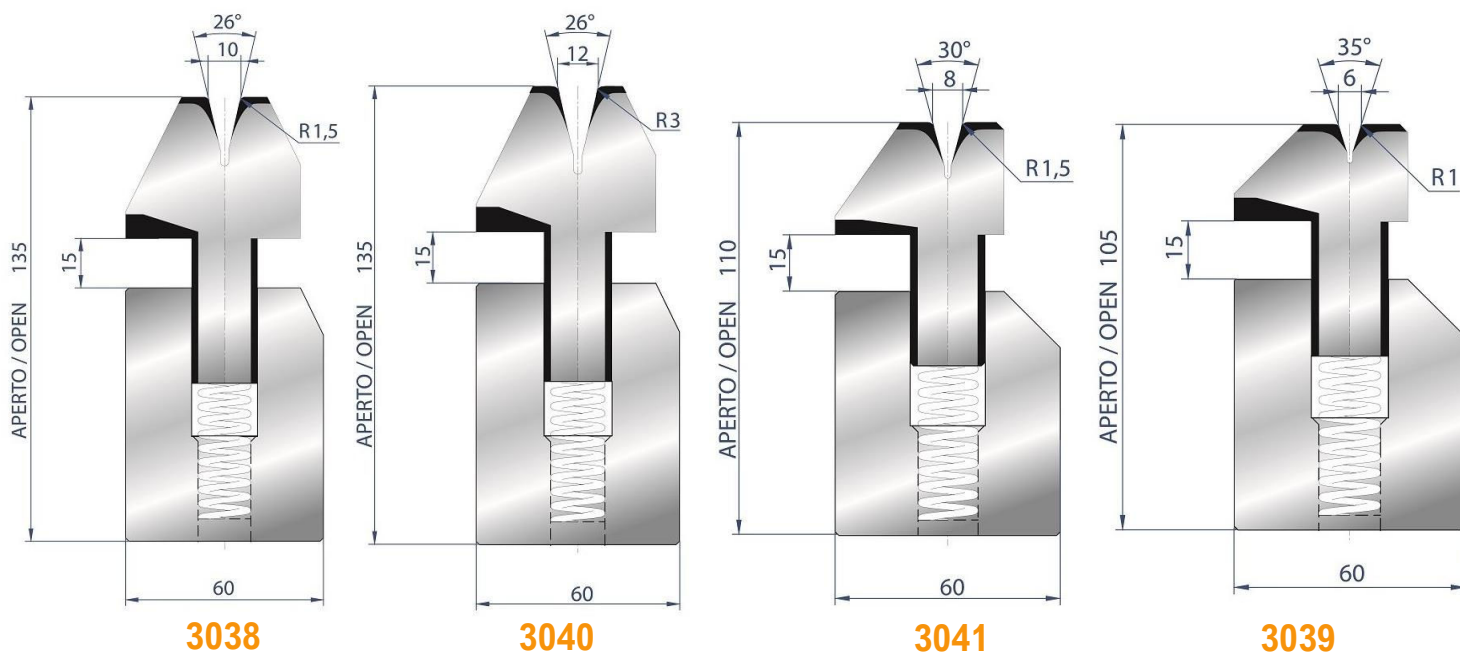
2084		
V 80 à 45° Max T/m=100		
415 mm	835 mm	805 fr
776 €	1318 €	2003 €



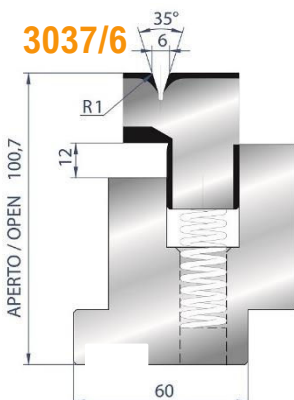
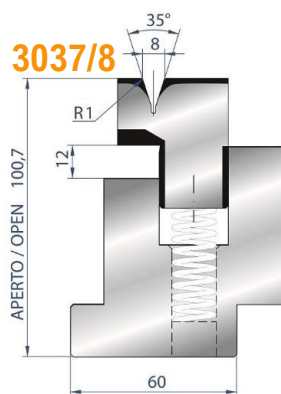
2086		
V 18 à 30° Max T/m=100		
415 mm	835 mm	805 fr
152 €	263 €	435 €



2087		
V 25 à 30° Max T/m=100		
415 mm	835 mm	805 fr
169 €	306 €	473 €



Outils à écraser							
Référence	Caractéristiques					Tarif	
	V	α	Ep maxi	Ouverture	T/mt	415 mm	835mm
3038	10	26	2,5	135	100	552 €	856 €
3040	12	26	3,0	135	100	580 €	898 €
3041	8	30	1,5	110	80	475 €	762 €
3039	6	35	1	105	80	396 €	693 €
3037/6	6	35	1	100,7	60	457 €	738 €
3037/8	8	35	1,2	100,7	60	457 €	738 €



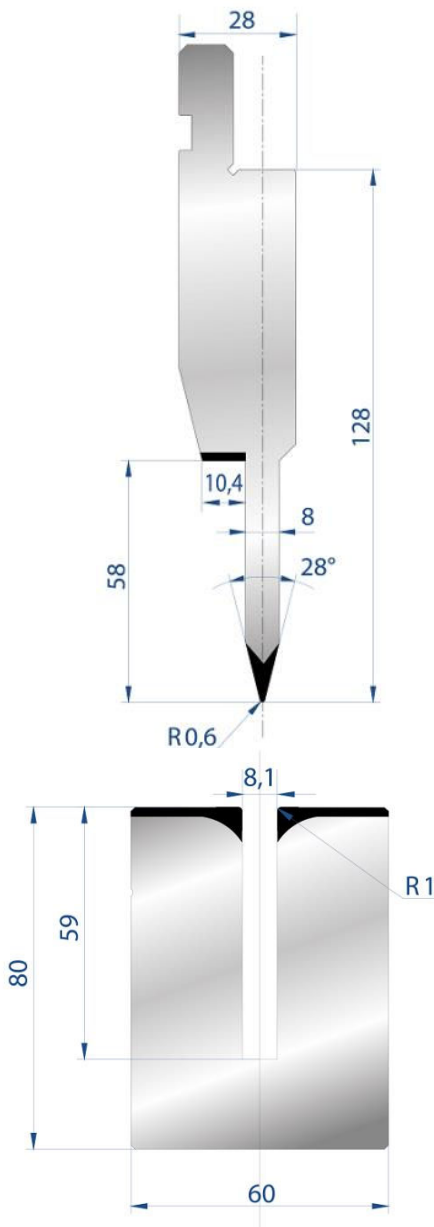
Valeurs pour acier 45 kg/mm

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

Valeurs pour inox 70 kg/mm

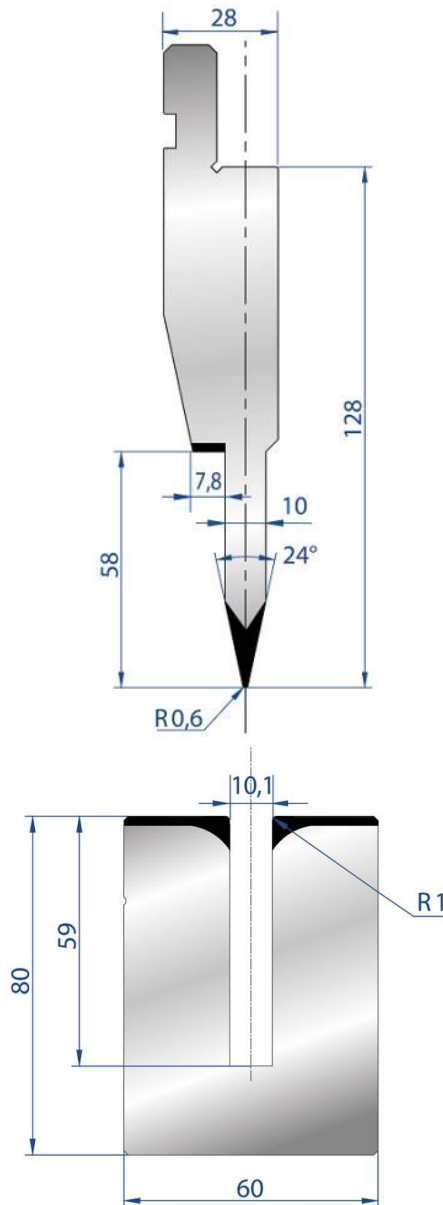
S mm	A mm	Ton / M	2xS	Ton / M
0,6	3	15	1,2	35
0,8	3	20	1,6	50
1	3,5	25	2	60
1,25	3,5	26	2,5	80
1,5	4,6	38	3	95
2	5,5	50	4	130

Poinçons à 26, 30 et 35°: voir pages 11, 12 & 13



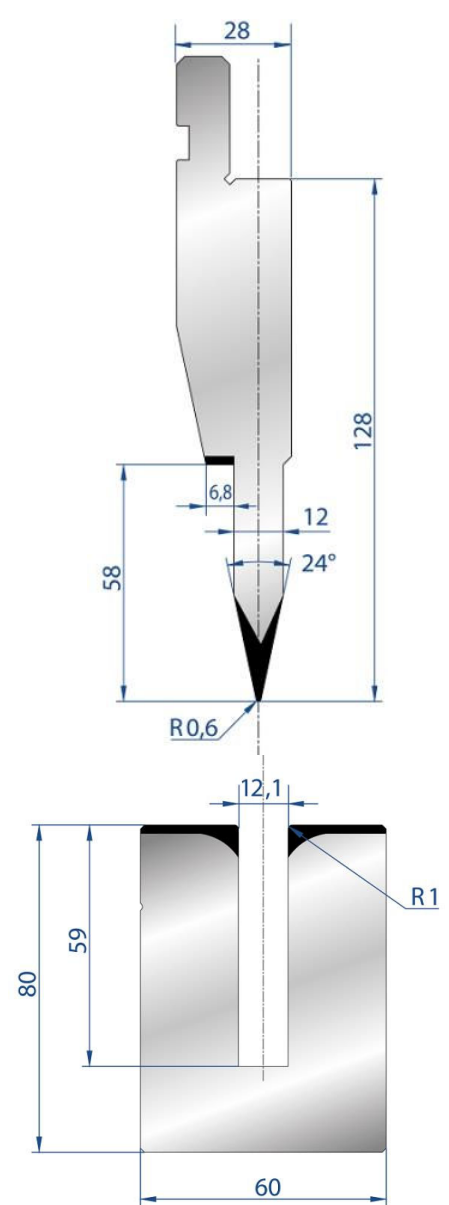
1195		
Poinçon à 28° Max T/m=80		
Pour tôle acier 1,2 mm maxi		
Se monte avec la matrice 3176		
415 mm	835 mm	805 fr
366 €	656 €	1041 €

3176		
Matrice à écraser U= 8,1 mm Max T/m=50		
415 mm	835 mm	805 fr
272 €	475 €	792 €



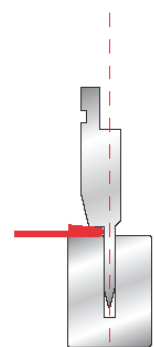
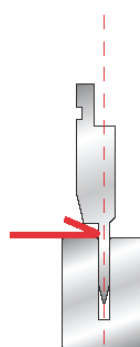
1196		
Poinçon à 24° Max T/m=80		
Pour tôle acier 1,5 mm maxi		
Se monte avec la matrice 3177		
415 mm	835 mm	805 fr
394 €	697 €	1103 €

3177		
Matrice à écraser U= 10,1 mm Max T/m=50		
415 mm	835 mm	805 fr
286 €	495 €	832 €

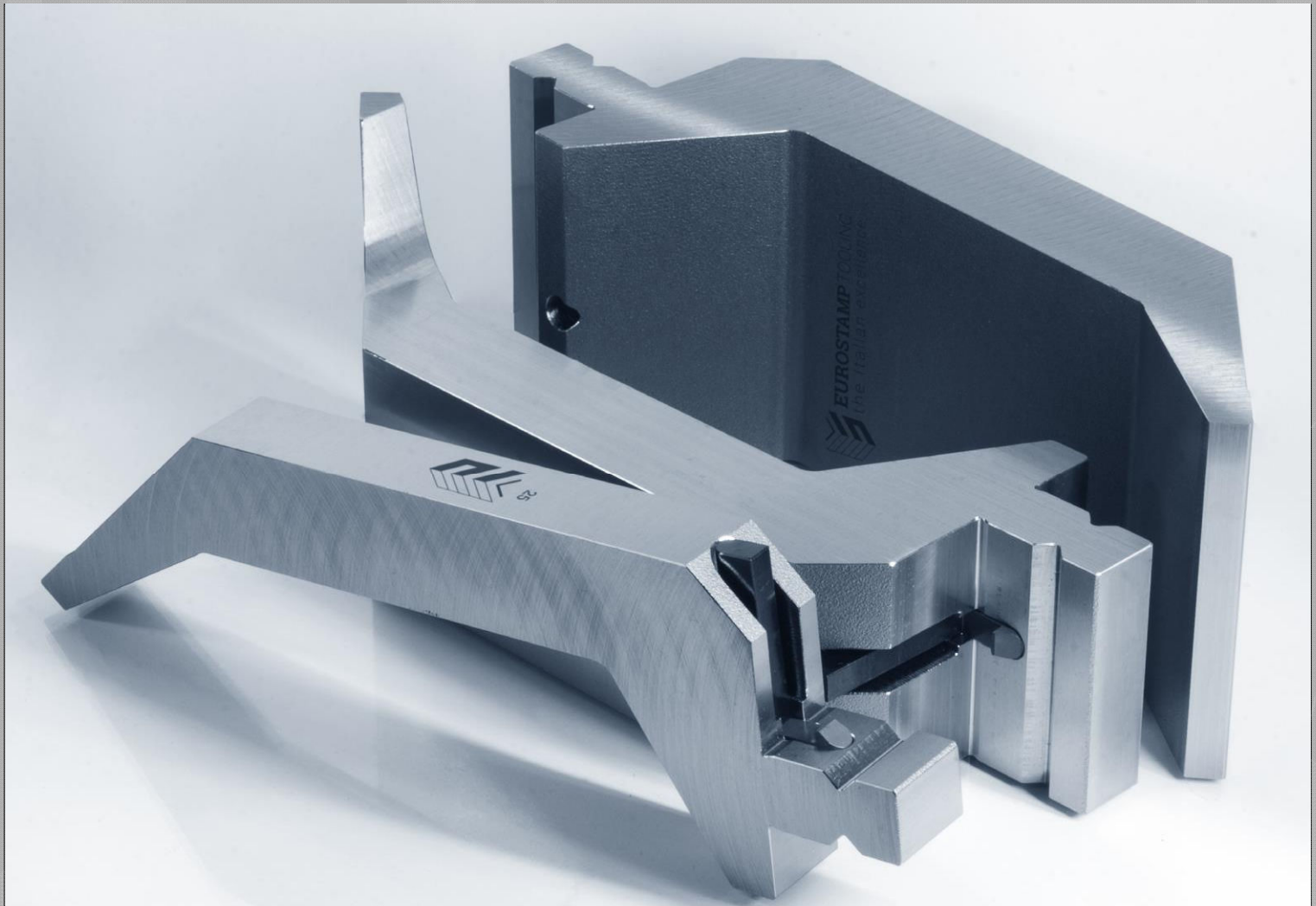


1197		
Poinçon à 24° Max T/m=80		
Pour tôle acier 1,5 mm maxi		
Se monte avec la matrice 3178		
415 mm	835 mm	805 fr
394 €	697 €	1103 €

3178		
Matrice à écraser U= 12,1 mm Max T/m=50		
415 mm	835 mm	805 fr
286 €	495 €	832 €



MATE OUTILLAGE FRANCE



Outils de pliage **TRUMPF WILA**

