

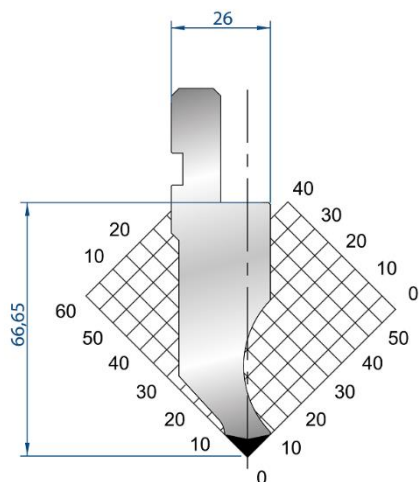
MATE OUTILLAGE FRANCE



Outils de pliage

AMADA PROMECAM

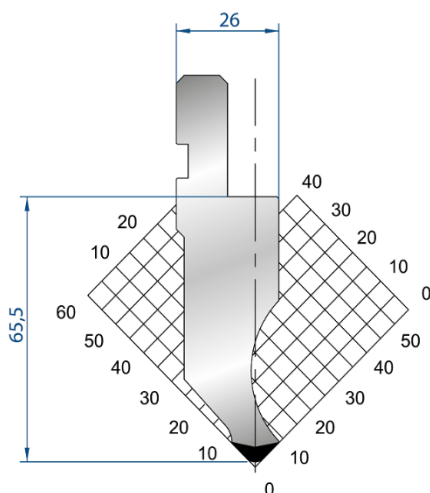




1011

$\alpha=88^\circ$ R=0,8 H=66,65 Max T/m=100

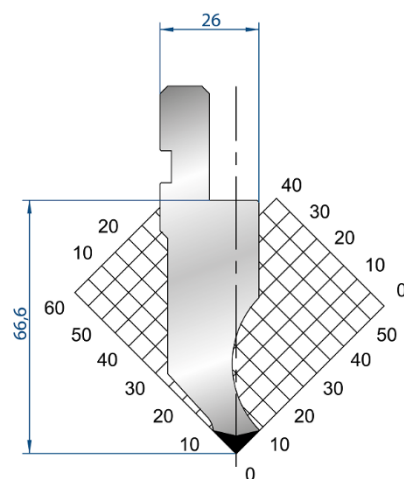
415 mm	835 mm	805mm fr
89 €	154 €	267 €



1012

$\alpha=88^\circ$ R=3 H=65,50 Max T/m=100

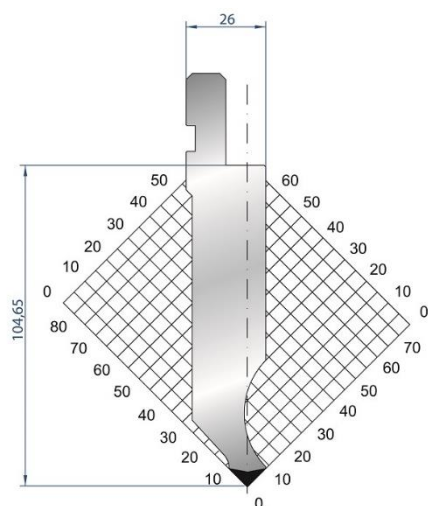
415 mm	835 mm	805mm fr
89 €	154 €	267 €



1065

$\alpha=88^\circ$ R=0,25 H=66,6 Max T/m=100

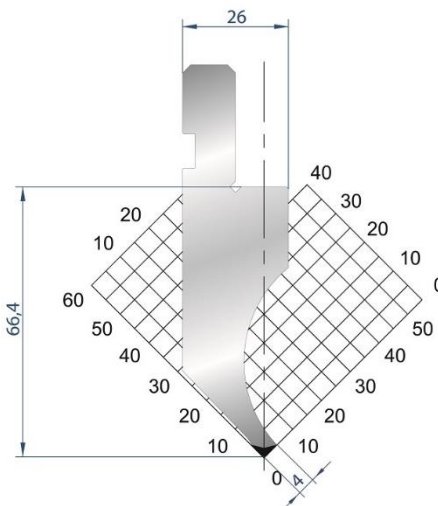
415 mm	835 mm	805mm fr
89 €	154 €	267 €



1063

$\alpha=88^\circ$ R=0,8 H=104,65 Max T/m=100

415 mm	835 mm	805mm fr
177 €	306 €	477 €

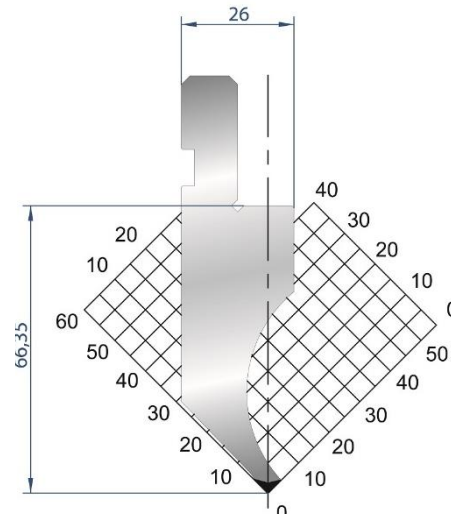


1049

$\alpha=88^\circ$ R=0,6 H=66,4 Max T/m=35

C45 trempé

415 mm	835 mm	805mm fr
135 €	240 €	394 €

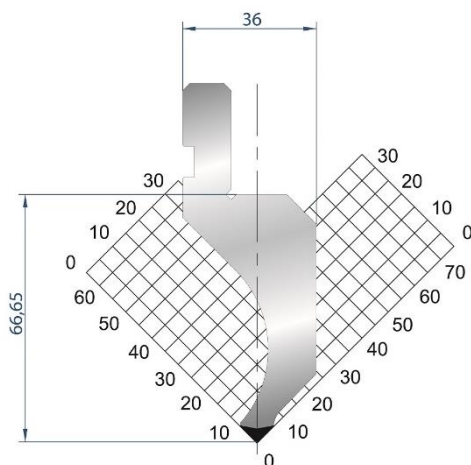


1264

$\alpha=88^\circ$ R=0,25 H=66,35 Max T/m=35

C45 trempé

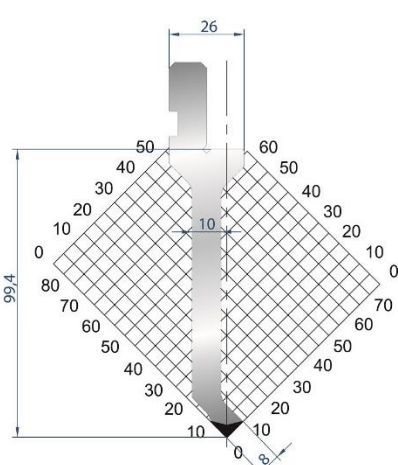
415 mm	835 mm	805mm fr
121 €	219 €	376 €



1081

$\alpha=88^\circ$ R=0,8 H=66,65 Max T/m=60

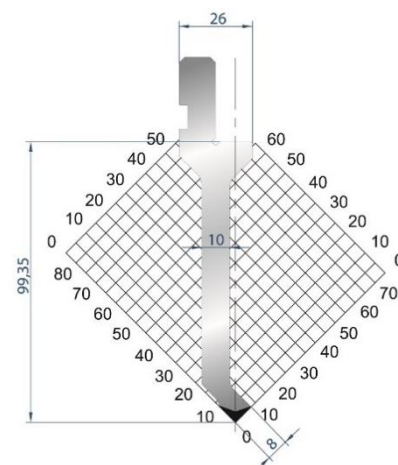
415 mm	835 mm	805mm fr
190 €	333 €	489 €



1029

$\alpha=88^\circ$ R=0,6 H=99,40 Max T/m=50

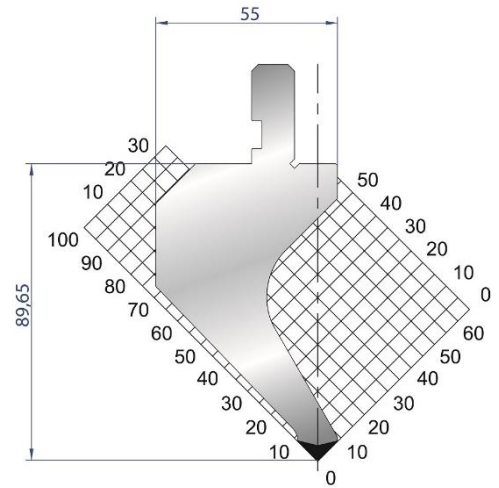
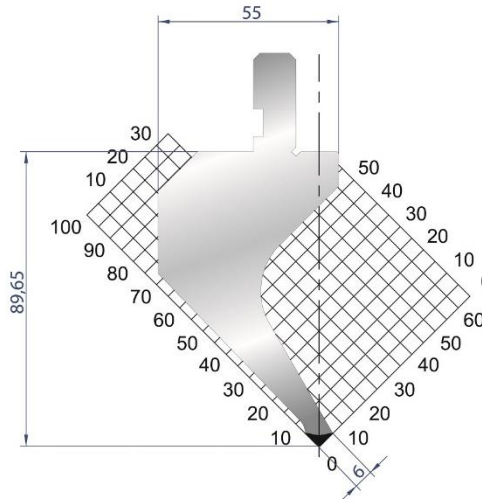
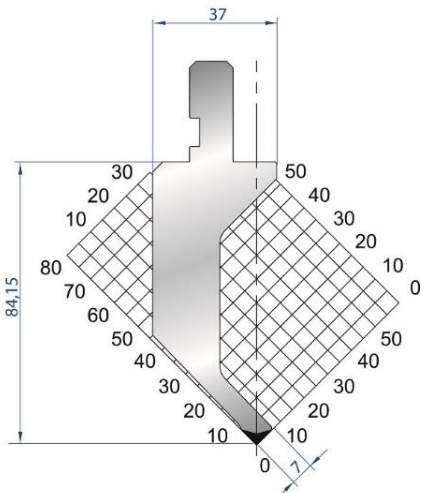
415 mm	835 mm	805mm fr
186 €	328 €	500 €



1262

$\alpha=88^\circ$ R=0,25 H=99,35 Max T/m=50

415 mm	835 mm	805mm fr
186 €	328 €	500 €



1020

$\alpha=88^\circ$ R=0,6 H=84,15 Max T/m=20

C42CrMo4

415 mm	835 mm	805mm fr
284 €	494 €	715 €

1175

$\alpha=88^\circ$ R=0,8 H=89,65 Max T/m=50

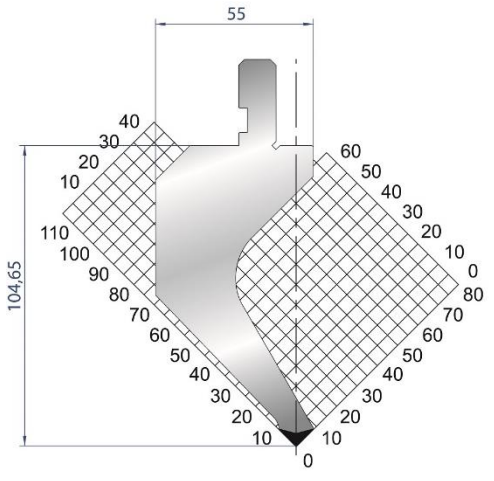
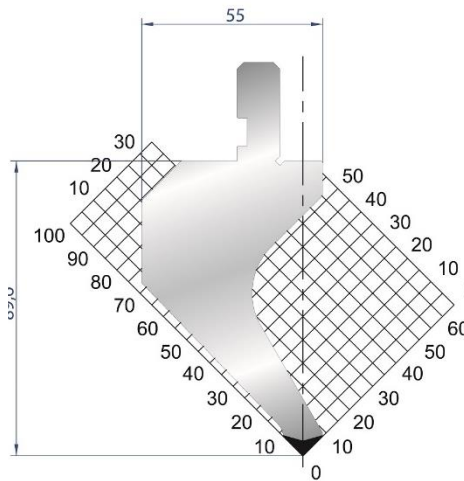
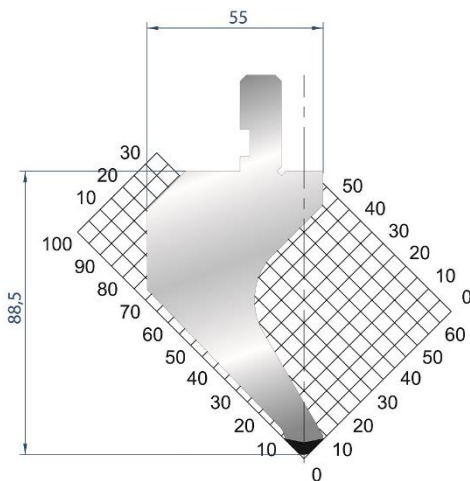
C45 trempé

415 mm	835 mm	805mm fr
202 €	382 €	528 €

1014

$\alpha=88^\circ$ R=0,8 H=89,65 Max T/m=60

415 mm	835 mm	805mm fr
175 €	315 €	463 €



1015

$\alpha=88^\circ$ R=3 H=88,5 Max T/m=60

415 mm	835 mm	805mm fr
167 €	299 €	441 €

1266

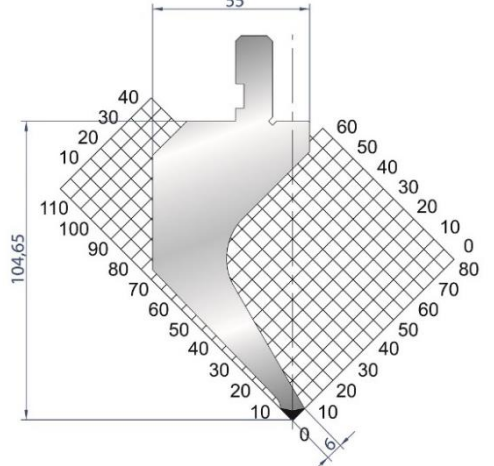
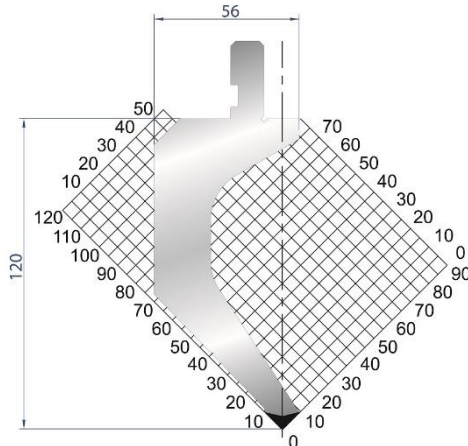
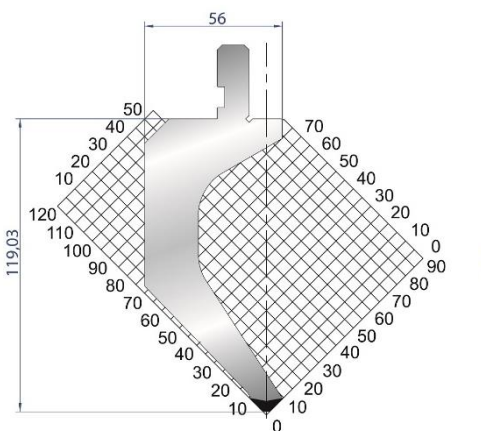
$\alpha=88^\circ$ R=0,25 H=89,60 Max T/m=60

415 mm	835 mm	805mm fr
192 €	347 €	508 €

1017

$\alpha=88^\circ$ R=0,8 H=104,65 Max T/m=50

415 mm	835 mm	805mm fr
196 €	354 €	496 €



1062

$\alpha=88^\circ$ R=3 H=119,03 Max T/m=50

C45 trempé

415 mm	835 mm	805mm fr
421 €	771 €	1054 €

1061

$\alpha=88^\circ$ R=0,8 H=120 Max T/m=50

C45 trempé

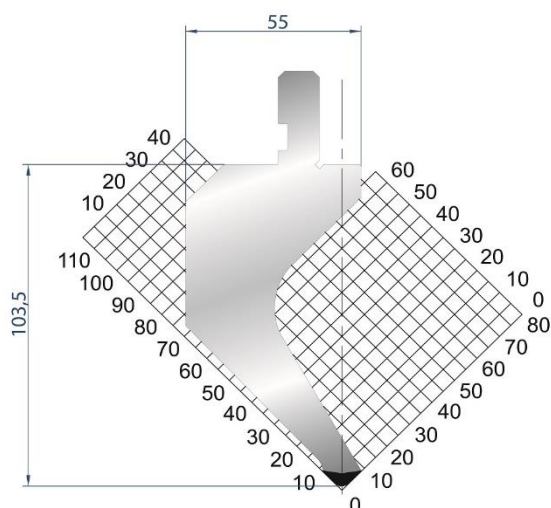
415 mm	835 mm	805mm fr
421 €	771 €	1054 €

1173

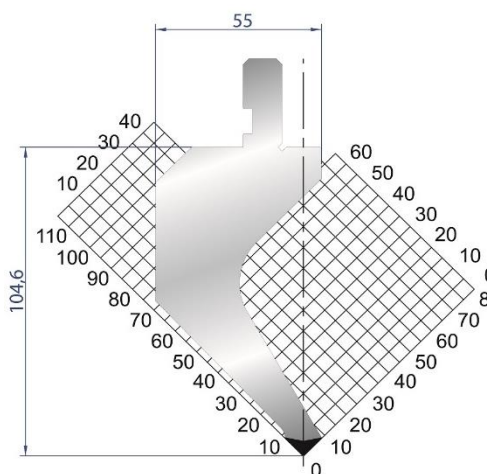
$\alpha=88^\circ$ R=0,8 H=104,65 Max T/m=50

C45 trempé

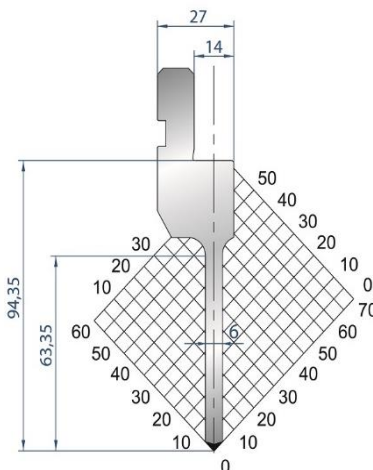
415 mm	835 mm	805mm fr
230 €	420 €	566 €

**1018** $\alpha=88^\circ$ R=3 H=103,5 Max T/m=50

415 mm	835 mm	805mm fr
196 €	354 €	496 €

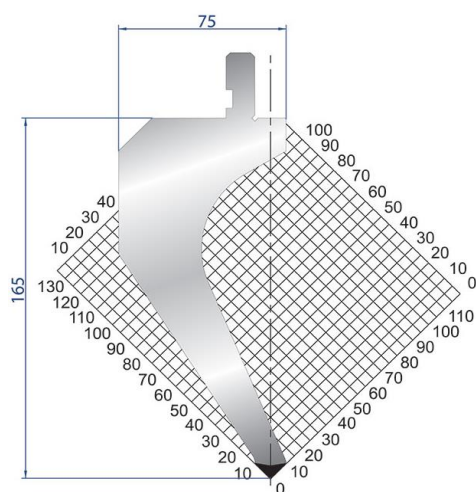
**1268** $\alpha=88^\circ$ R=0,25 H=104,60 Max T/m=50

415 mm	835 mm	805mm fr
196 €	354 €	496 €

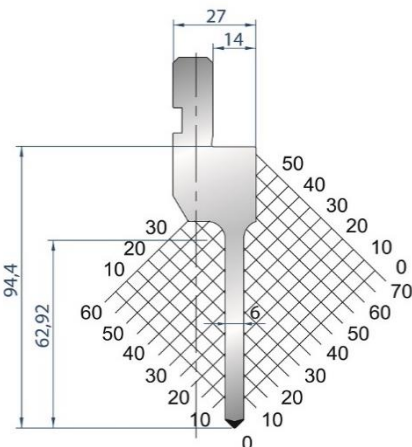
**1270** $\alpha=88^\circ$ R=0,25 H=94,35 Max T/m=50

C45 trempé

415 mm	835 mm	805mm fr
157 €	267 €	387 €

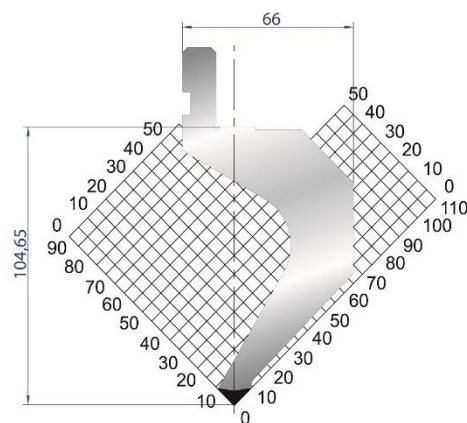
**1031** $\alpha=88^\circ$ R=0,8 H=165 Max T/m=60

415 mm	835 mm	805mm fr
640 €	1165 €	1507 €

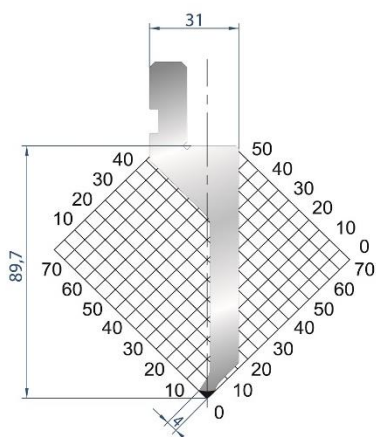
**1084** $\alpha=88^\circ$ R=0,6 H=94,40 Max T/m=50

C45 trempé

415 mm	835 mm	805mm fr
162 €	272 €	450 €

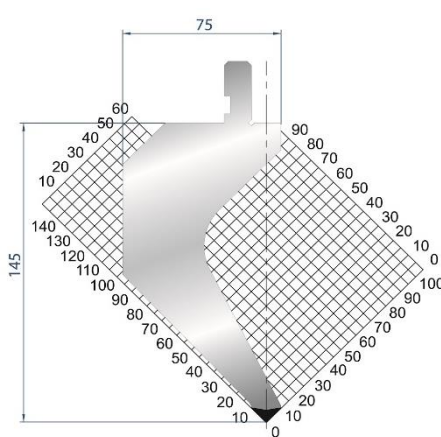
**1082** $\alpha=88^\circ$ R=0,8 H=104,65 Max T/m=45

415 mm	835 mm	805mm fr
446 €	799 €	1036 €

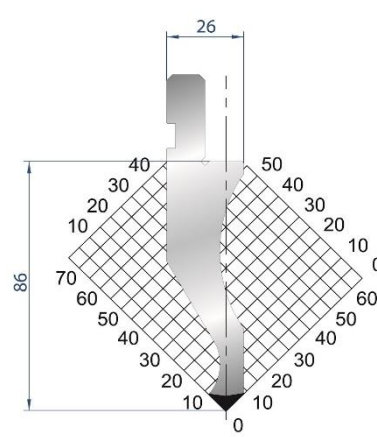
**1290** $\alpha=88^\circ$ R=0,6 H=89,70 Max T/m=30

C45 trempé

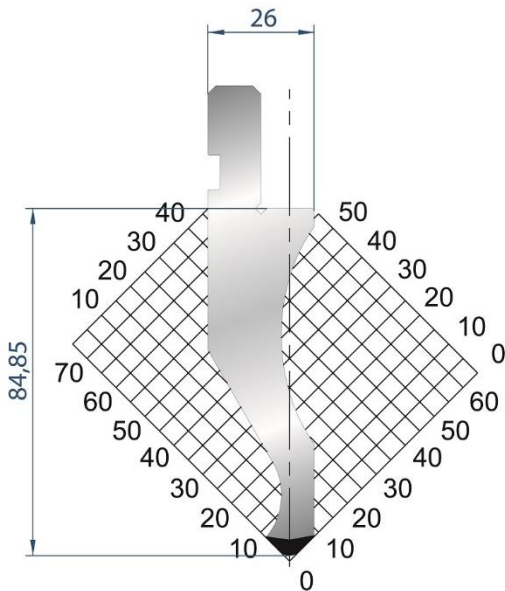
415 mm	835 mm	805mm fr
194 €	350 €	529 €

**1030** $\alpha=88^\circ$ R=0,8 H=145 Max T/m=80

415 mm	835 mm	805mm fr
525 €	932 €	1208 €

**1022** $\alpha=88^\circ$ R=0,8 H=86 Max T/m=100

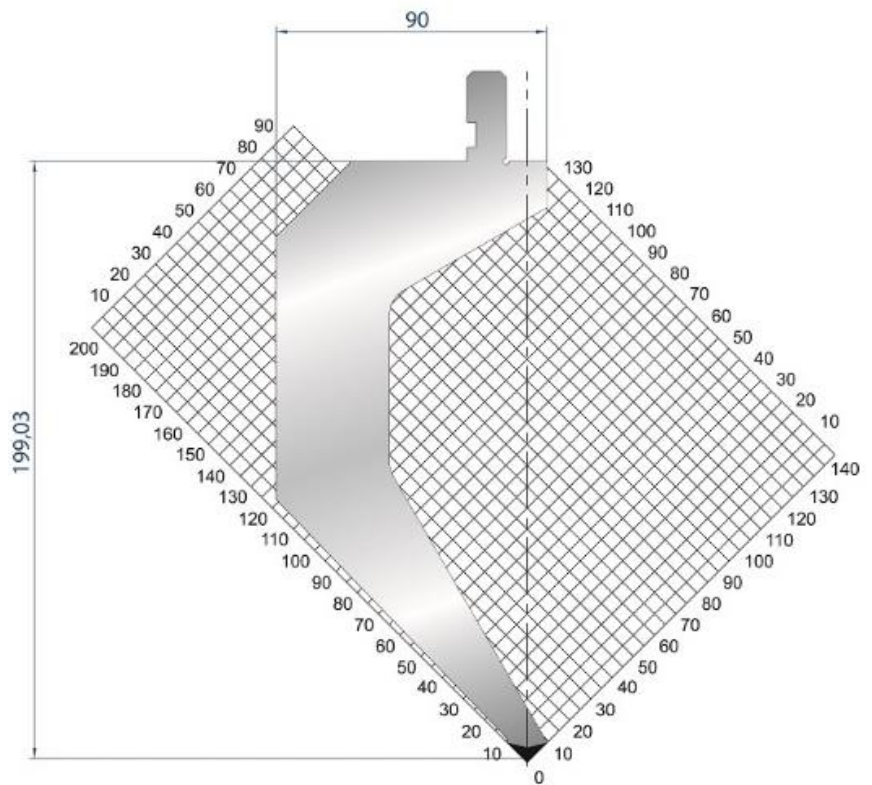
415 mm	835 mm	805mm fr
148 €	270 €	406 €



1023

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

415 mm	835 mm	805mm fr
148 €	270 €	406 €



1301

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

C45 trempé

505 mm	805mm fr
1115 €	2354 €

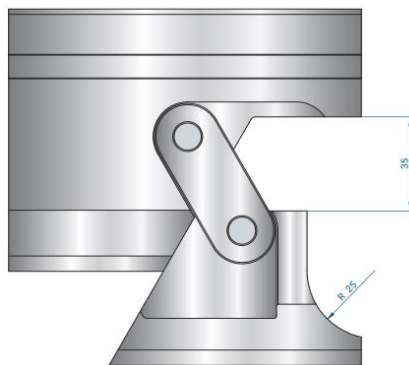
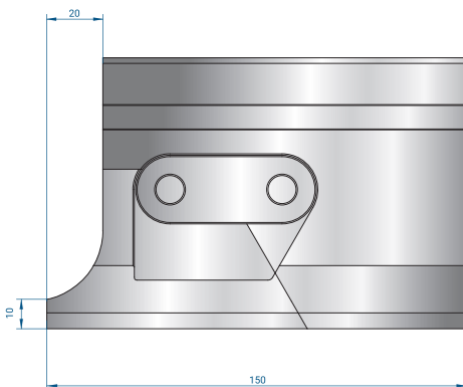
1291

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

C45 trempé

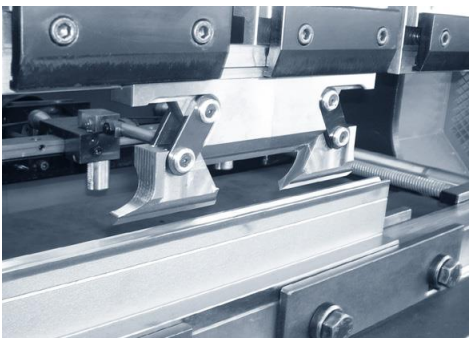
505 mm	805mm fr
1042 €	2235 €

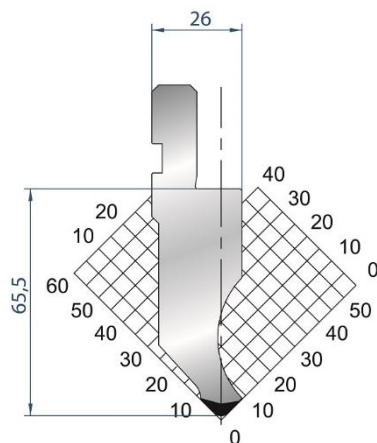
Système à bigornes mobiles



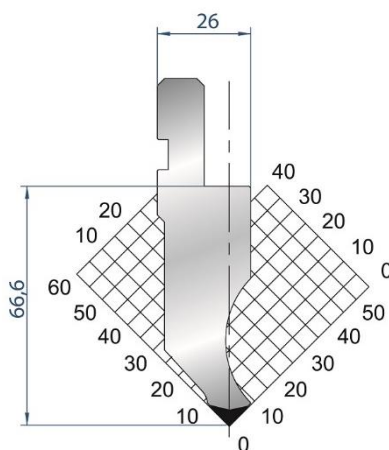
Bigornes mobiles

Réf poinçon	Ref	Prix
1011	1011S	1104 €
1065	1065S	1104 €
1047	1047S	1581 €

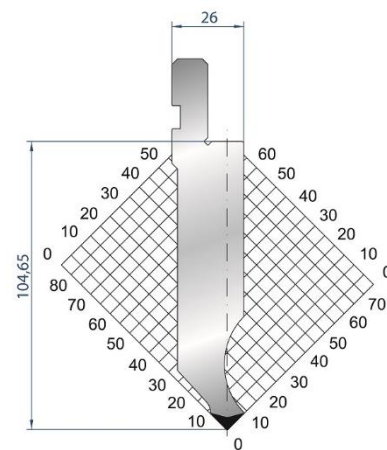



1177
 $\alpha=85^\circ$ R=3 H=65,5 Max T/m=100

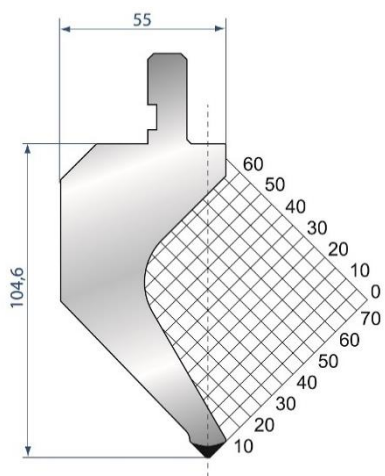
415 mm	835 mm	805mm fr
89 €	154 €	267 €


1260
 $\alpha=85^\circ$ R=0,8 H=66,60 Max T/m=100

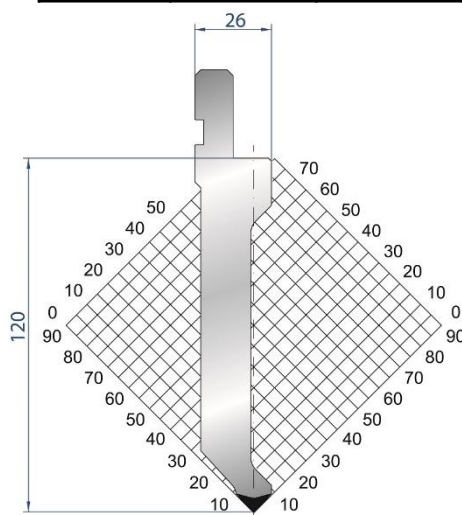
415 mm	835 mm	805mm fr
89 €	154 €	267 €


1281
 $\alpha=85^\circ$ R=0,8 H=104,65 Max T/m=100

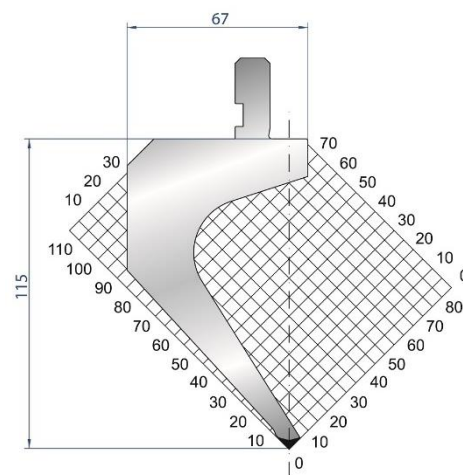
415 mm	835 mm	805mm fr
165 €	287 €	446 €


1172
 $\alpha=85^\circ$ R=0,8 H=104,6 Max T/m=50

415 mm	835 mm	805mm fr
196 €	354 €	496 €

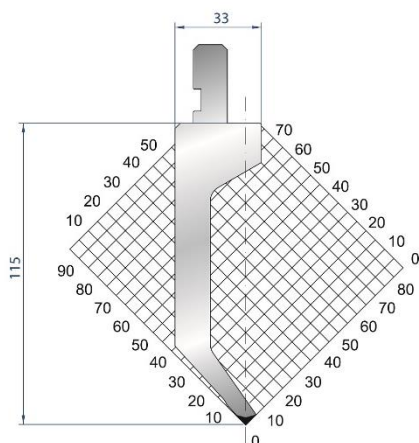

1309
 $\alpha=85^\circ$ R=0,8 H=120 Max T/m=70

415 mm	835 mm	805mm fr
180 €	314 €	480 €


1310
 $\alpha=85^\circ$ R=0,8 H=115 Max T/m=35

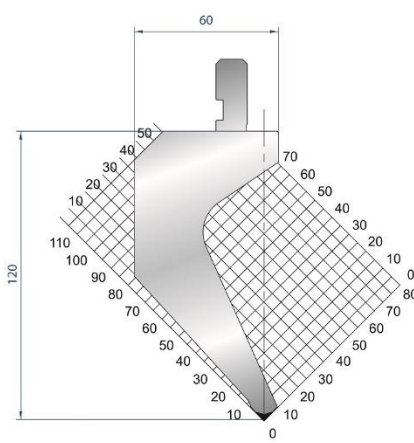
42CrMo4

415 mm	835 mm	805mm fr
443 €	810 €	1094 €


1312
 $\alpha=85^\circ$ R=0,6 H=115 Max T/m=20

42CrMo4

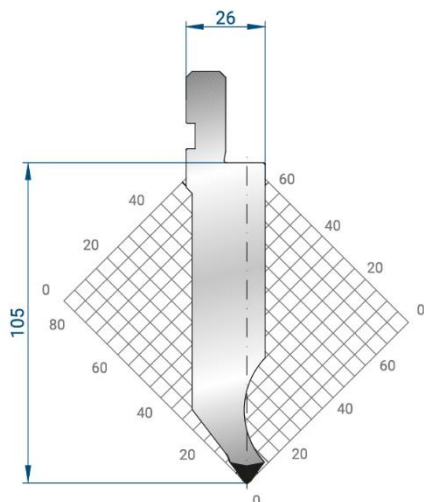
415 mm	835 mm	805mm fr
354 €	656 €	959 €


1322
 $\alpha=85^\circ$ R=1,5 H=120 Max T/m=100

42CrMo4

415 mm	835 mm	805mm fr
421 €	771 €	1054 €

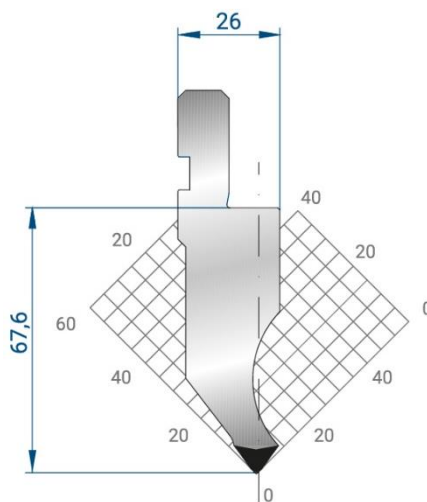




1338

$\alpha=75^\circ$ R=0,8 H=105 Max T/m=100
42CrMo4

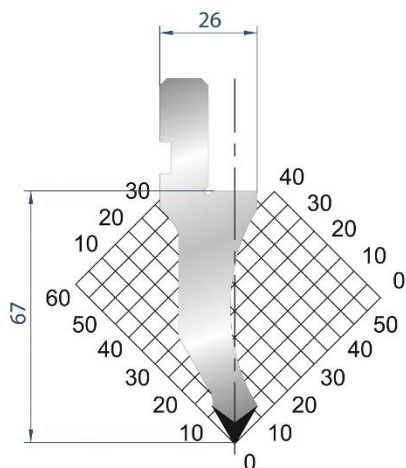
415 mm	835 mm	805mm fr
230 €	398 €	617 €



1339

$\alpha=75^\circ$ R=0,8 H=67,6 Max T/m=100
42CrMo4

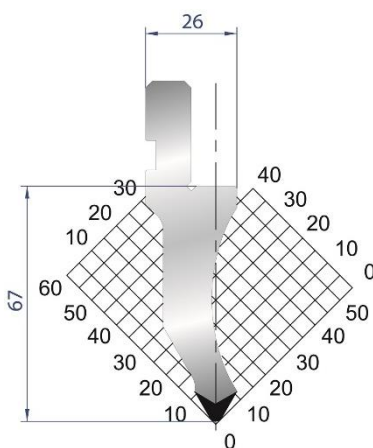
415 mm	835 mm	805mm fr
122 €	209 €	404 €



1026

$\alpha=60^\circ$ R=0,8 H=67 Max T/m=80

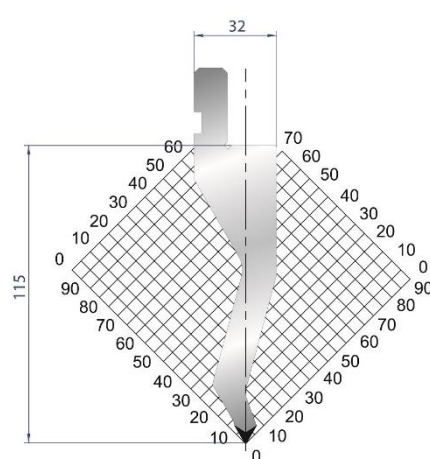
415 mm	835 mm	805mm fr
98 €	174 €	294 €



1027

$\alpha=60^\circ$ R=2 H=67 Max T/m=80

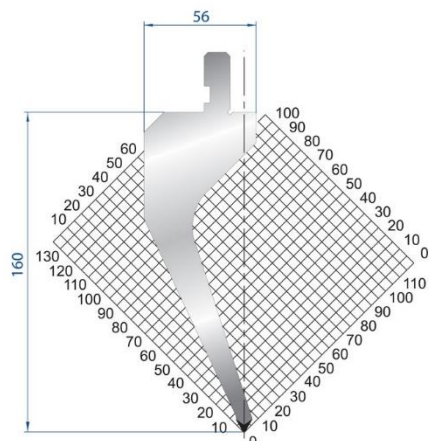
415 mm	835 mm	805mm fr
98 €	174 €	294 €



1191

$\alpha=60^\circ$ R=0,8 H=115 Max T/m=60

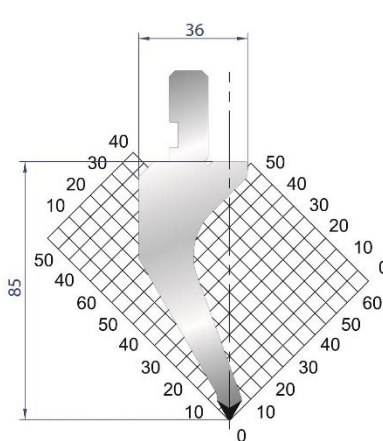
415 mm	835 mm	805mm fr
252 €	477 €	641 €



1190

$\alpha=60^\circ$ R=0,8 H=160 Max T/m=40
C45 trempé

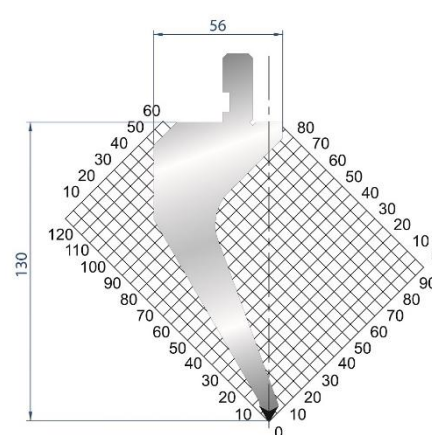
415 mm	835 mm	805mm fr
530 €	963 €	1292 €



1162

$\alpha=60^\circ$ R=0,8 H=85 Max T/m=40
42CrMo4

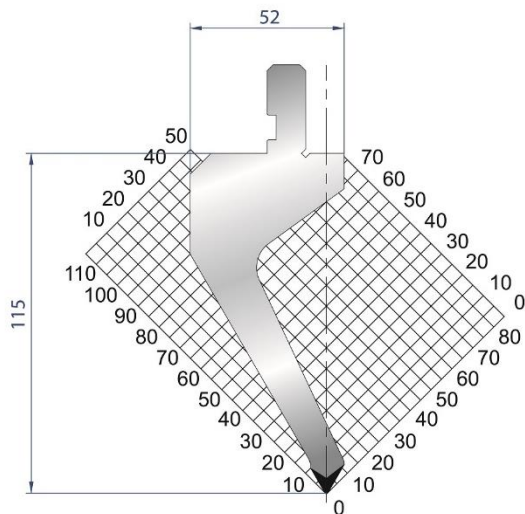
415 mm	835 mm	805mm fr
247 €	438 €	574 €



1163

$\alpha=60^\circ$ R=0,8 H=130 Max T/m=40
C45 trempé

415 mm	835 mm	805mm fr
425 €	787 €	1067 €

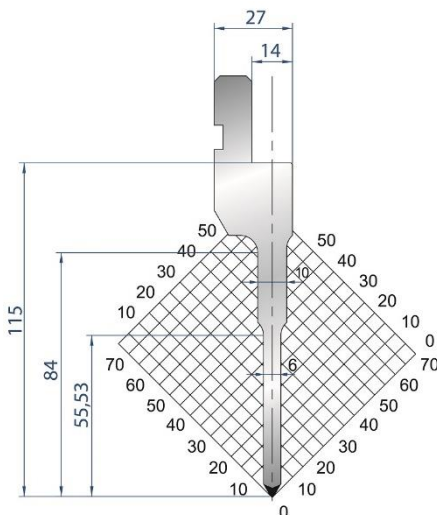


1272

$\alpha=60^\circ$ R=0,8 H=115 Max T/m=40

C45 trempé

415 mm	835 mm	805mm fr
354 €	633 €	827 €

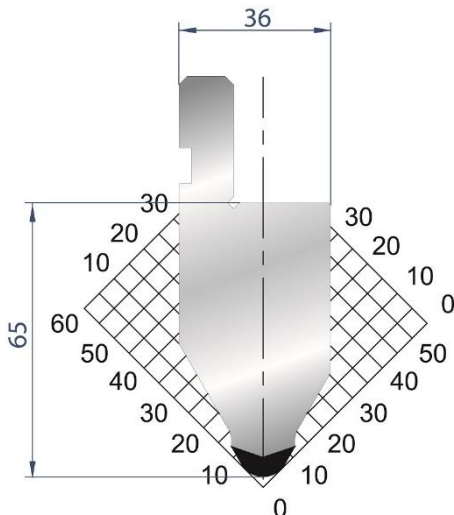


1271

$\alpha=60^\circ$ R=0,8 H=115 Max T/m=50

C45 trempé

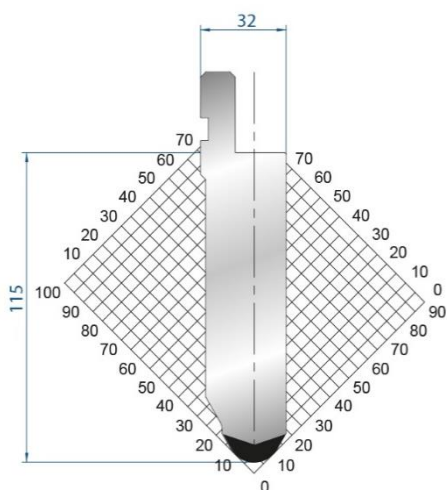
415 mm	835 mm	805mm fr
322 €	576 €	778 €



1032

$\alpha=60^\circ$ R=6 H=65 Max T/m=120

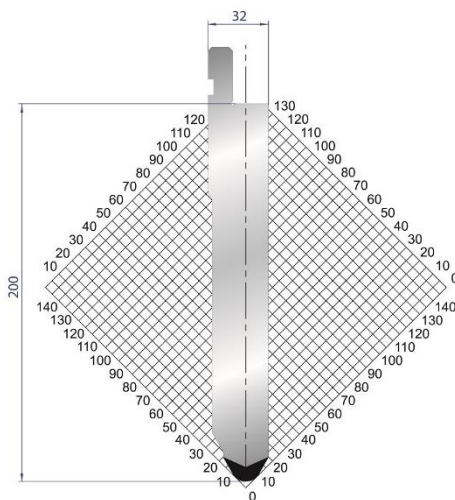
415 mm	835 mm	805mm fr
125 €	221 €	371 €



1283

$\alpha=60^\circ$ R=10 H=115 Max T/m=100

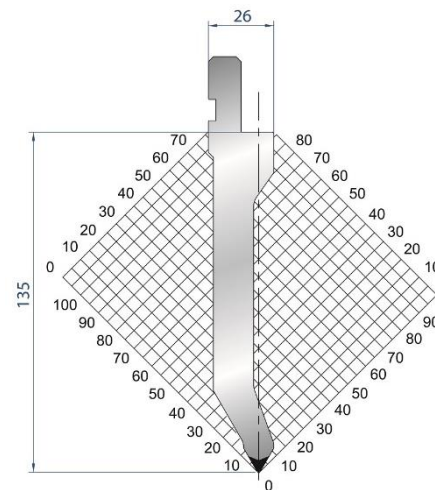
415 mm	835 mm	805mm fr
171 €	293 €	462 €



1293

$\alpha=60^\circ$ R=8 H=200 Max T/m=150

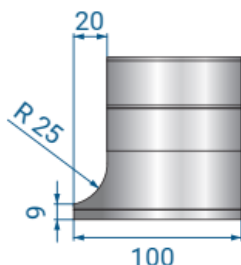
415 mm	835 mm	805mm fr
371 €	695 €	995 €



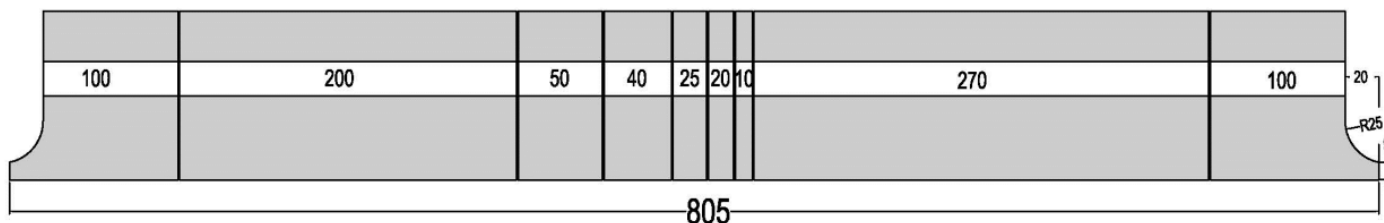
1284

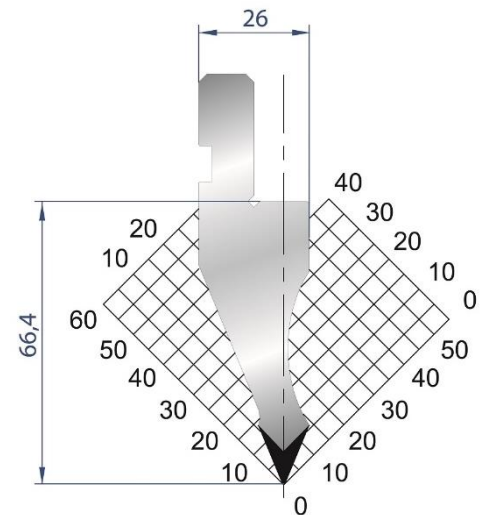
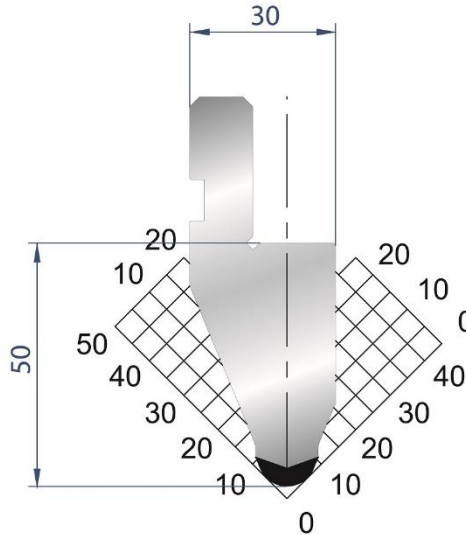
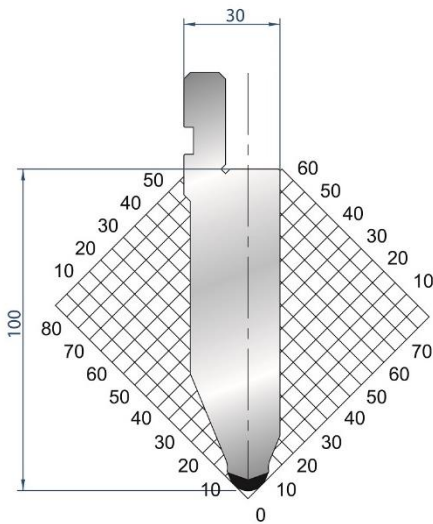
$\alpha=60^\circ$ R=0,8 H=135 Max T/m=70

415 mm	835 mm	805mm fr
217 €	399 €	548 €



Profil de bigorne standard.





1053

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

415 mm	835 mm	805mm fr
129 €	227 €	369 €

1054

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

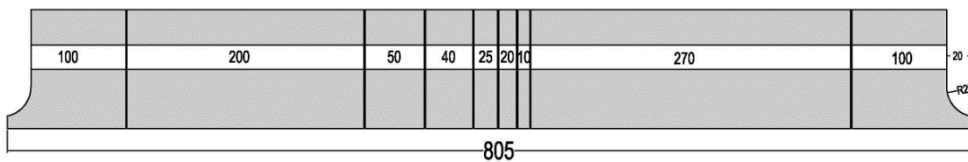
415 mm	835 mm	805mm fr
107 €	186 €	318 €

1024

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

415 mm	835 mm	805mm fr
95 €	168 €	279 €

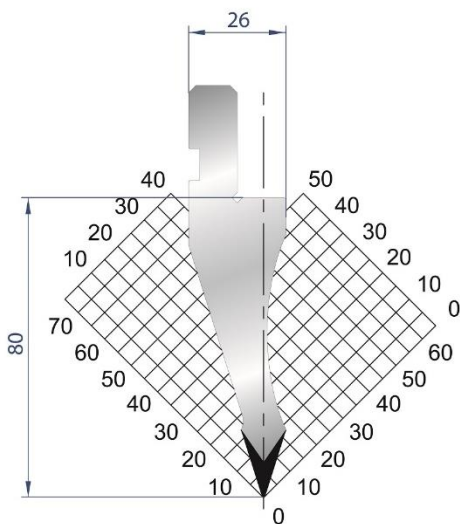
OU



1025 (R 1,5)

$\alpha=45^\circ$ R=1,5 H=65,20 Max T/m=80

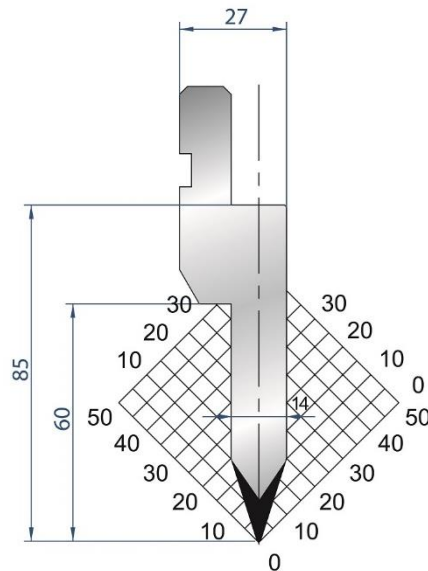
415 mm	835 mm	805mm fr
95 €	168 €	279 €



1035

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

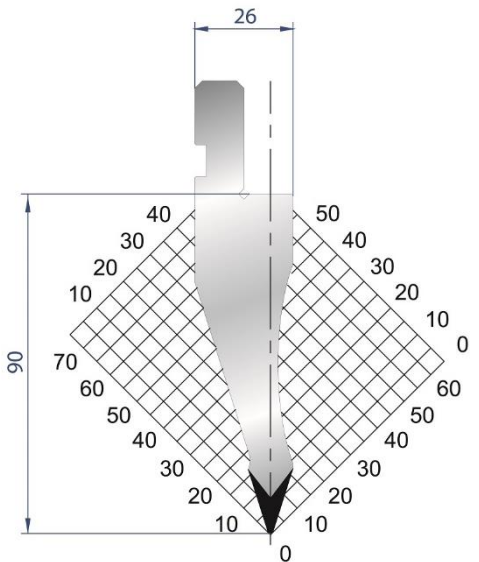
415 mm	835 mm	805mm fr
116 €	202 €	335 €



1034

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

415 mm	835 mm	805mm fr
116 €	202 €	335 €



1047

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

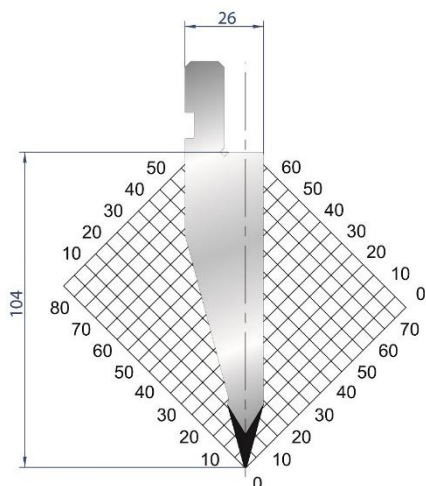
415 mm	835 mm	805mm fr
117 €	205 €	342 €

OU

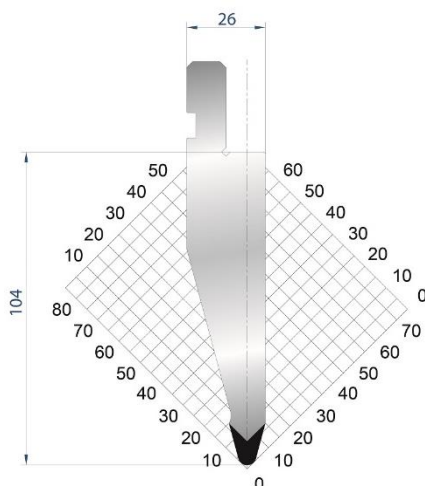
1282 (R 1,5)

$\alpha=35^\circ$ R=1,5 H=90 Max T/m=70

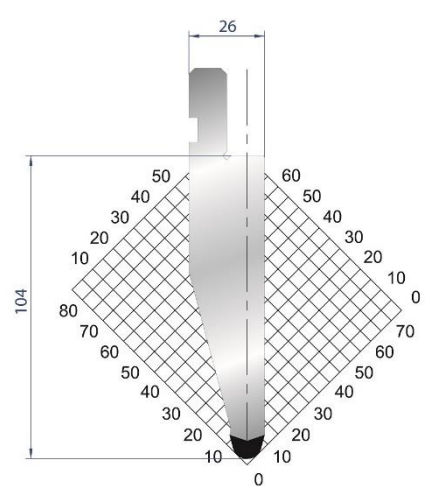
415 mm	835 mm	805mm fr
117 €	205 €	342 €

**1193** $\alpha=30^\circ$ R=0,6 H=104 Max T/m=100

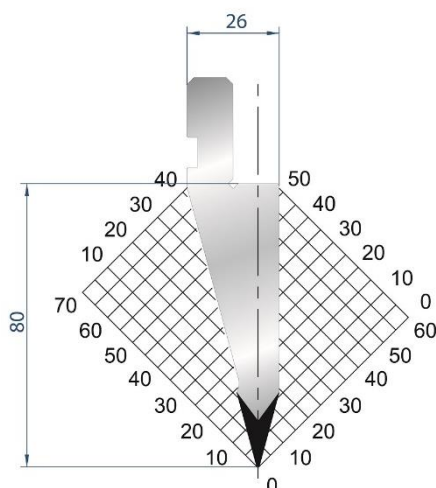
415 mm	835 mm	805mm fr
177 €	306 €	477 €

**1289** $\alpha=30^\circ$ R=3 H=104 Max T/m=100

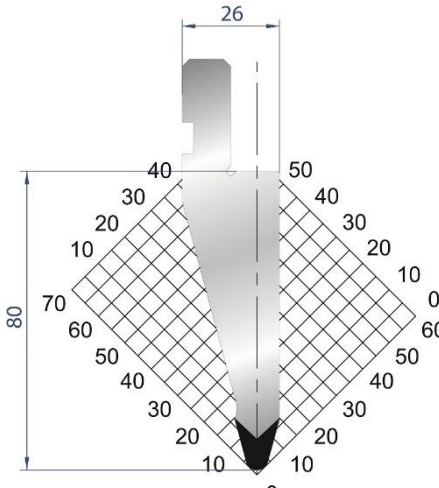
415 mm	835 mm	805mm fr
176 €	282 €	489 €

**1194** $\alpha=30^\circ$ R=5 H=104 Max T/m=100

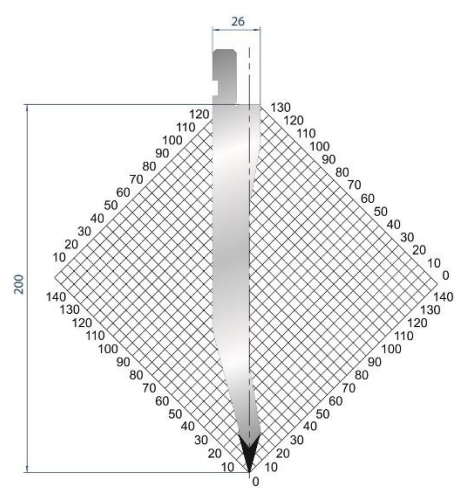
415 mm	835 mm	805mm fr
199 €	333 €	557 €

**1056** $\alpha=30^\circ$ R=0,5 H=80 Max T/m=100

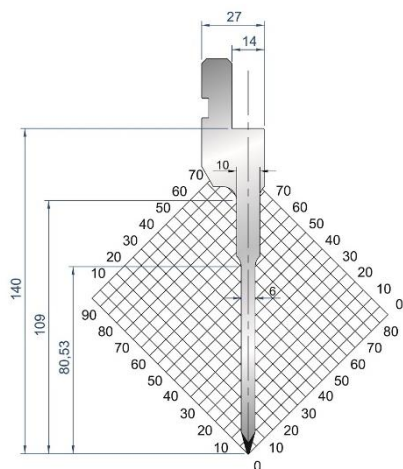
415 mm	835 mm	805mm fr
132 €	226 €	368 €

**1057** $\alpha=30^\circ$ R=3 H=80 Max T/m=100

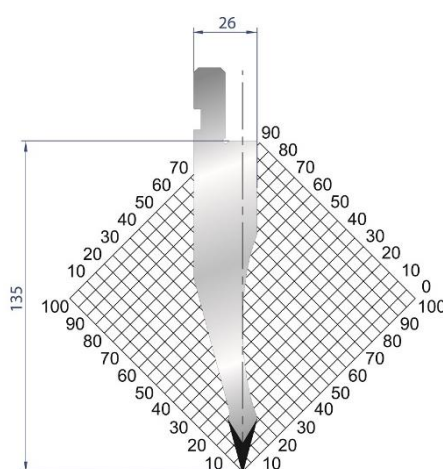
415 mm	835 mm	805mm fr
144 €	247 €	391 €

**1292** $\alpha=30^\circ$ R=0,5 H=200 Max T/m=50

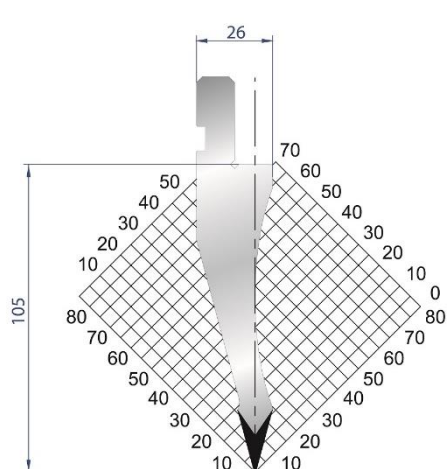
415 mm	835 mm	805mm fr
325 €	578 €	892 €

**1086** $\alpha=30^\circ$ R=0,6 H=140 Max T/m=40
C45 Trempé

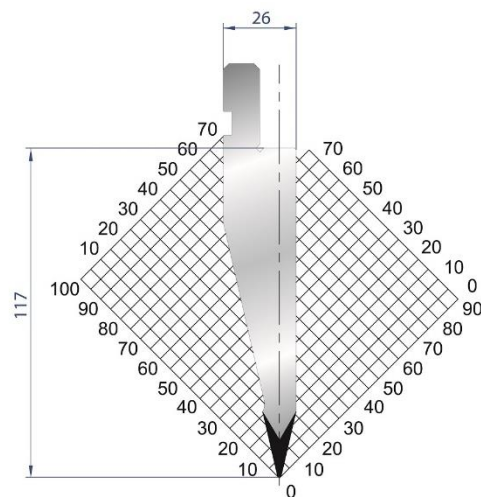
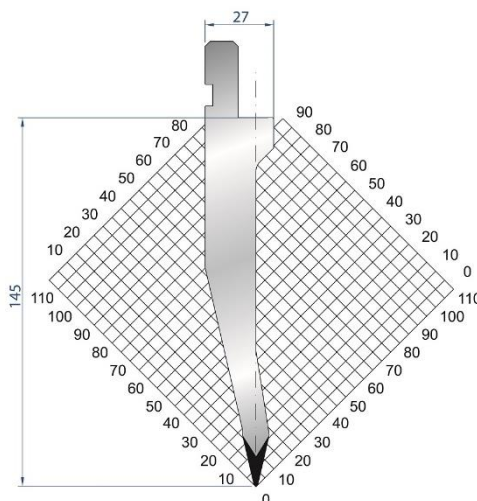
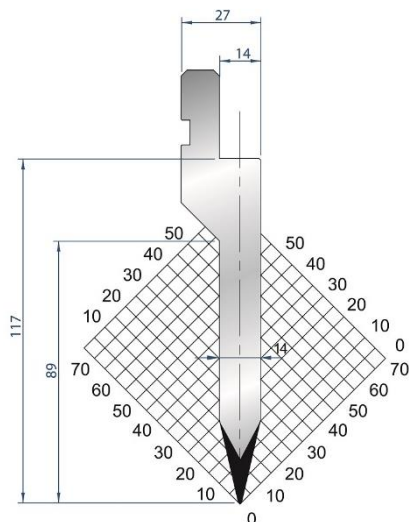
415 mm	835 mm	805mm fr
429 €	737 €	1028 €

**1052** $\alpha=30^\circ$ R=0,5 H=135 Max T/m=50

415 mm	835 mm	805mm fr
237 €	412 €	649 €

**1055** $\alpha=30^\circ$ R=0,5 H=105 Max T/m=50

415 mm	835 mm	805mm fr
178 €	309 €	468 €



1033

$\alpha=26^\circ$ R=1 H=117 Max T/m=100

415 mm	835 mm	805mm fr
129 €	216 €	364 €

1311

$\alpha=26^\circ$ R=0,8 H=145 Max T/m=100

42CrMo4

415 mm	835 mm	805mm fr
375 €	672 €	1064 €

1178

$\alpha=26^\circ$ R=0,8 H=117 Max T/m=100

415 mm	835 mm	805mm fr
168 €	267 €	489 €

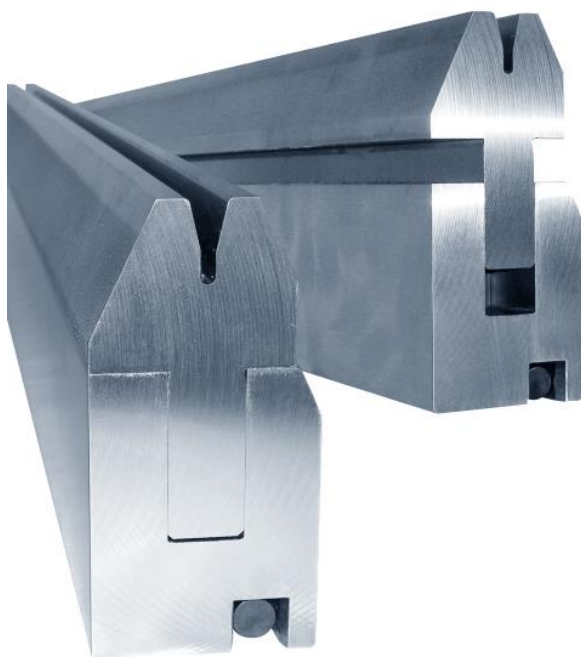
OU

1192 (R3)

$\alpha=26^\circ$ R=3 H=117 Max T/m=100

415 mm	835 mm	805mm fr
199 €	333 €	557 €

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

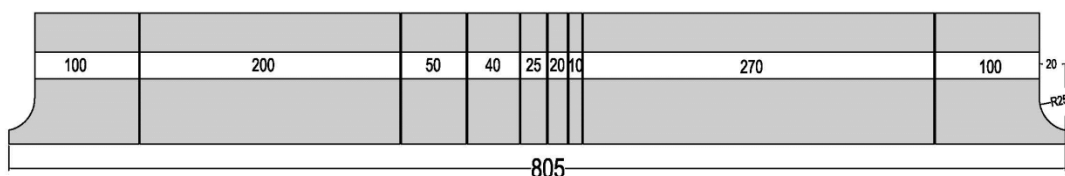


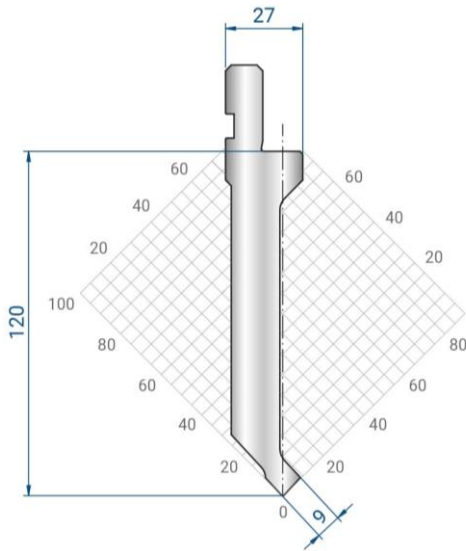
Valeurs pour acier 45 kg/mm

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

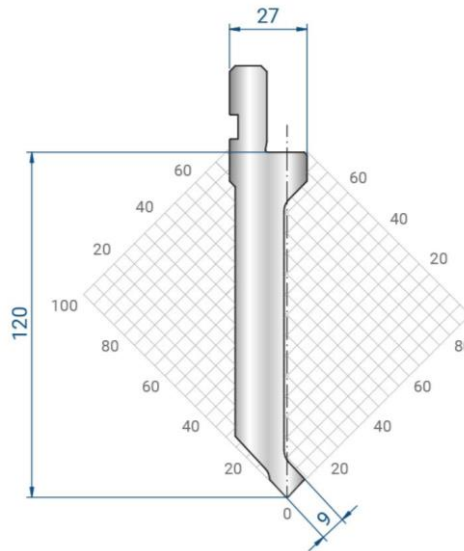




1340

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

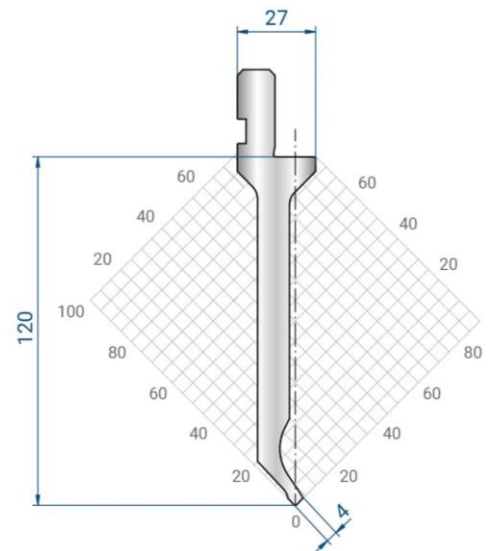
415 mm	835 mm	805mm fr
182 €	320 €	441 €



1341

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

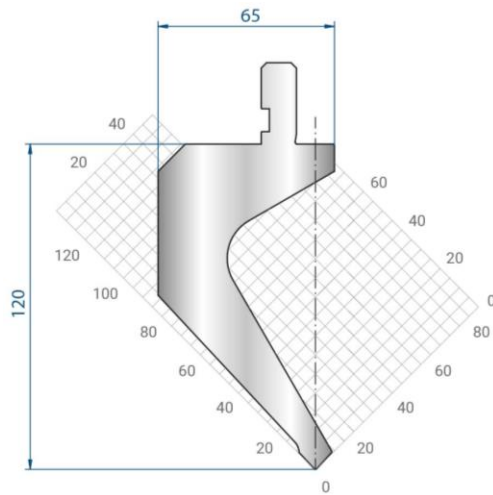
415 mm	835 mm	805mm fr
258 €	444 €	699 €



1342

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

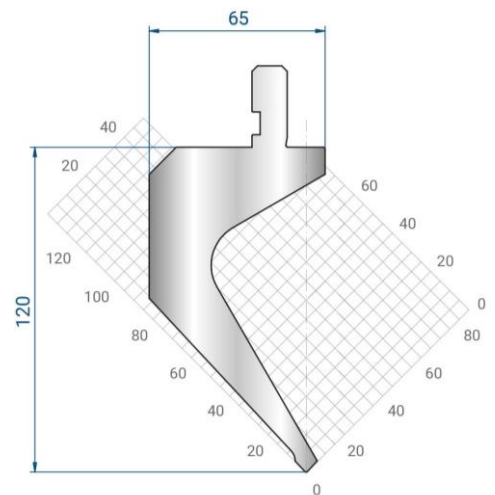
415 mm	835 mm	805mm fr
293 €	485 €	756 €



1343

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

415 mm	835 mm	805mm fr
405 €	729 €	994 €

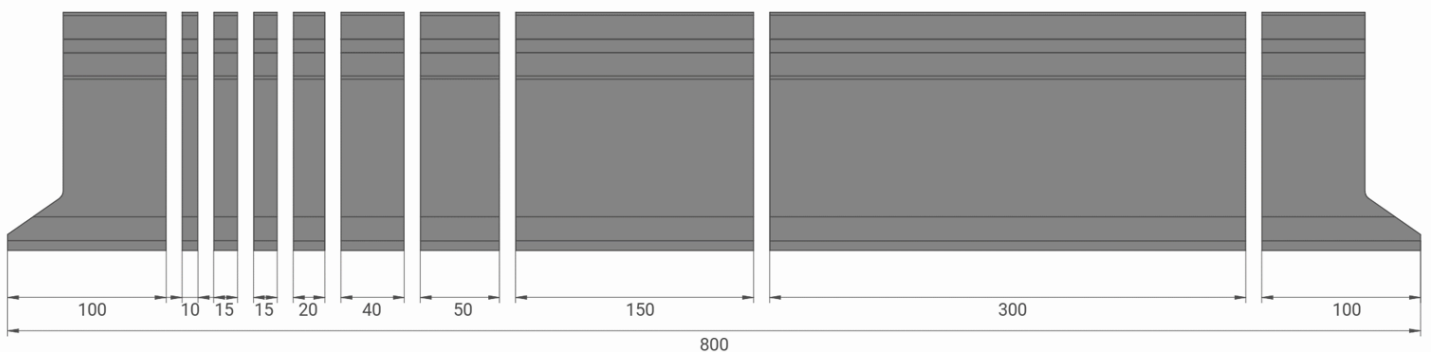


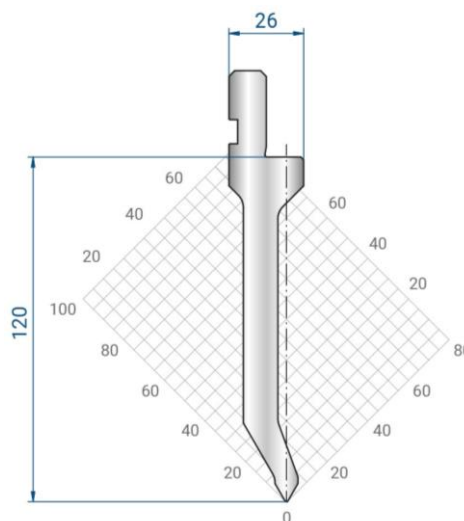
1344

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

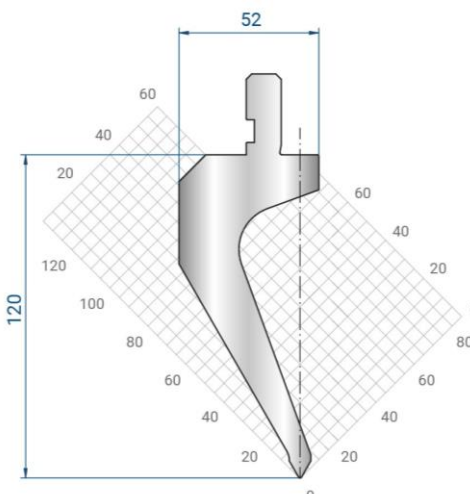
415 mm	835 mm	805mm fr
412 €	744 €	1031 €

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

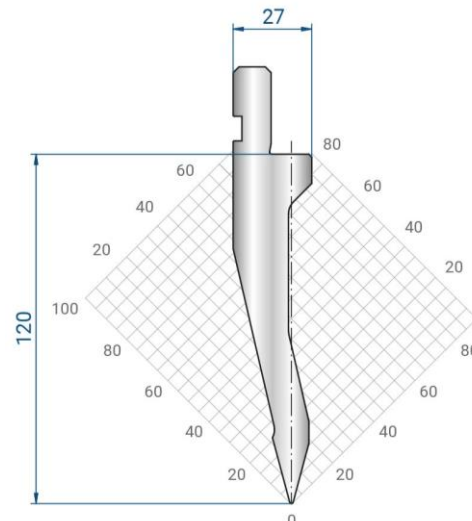




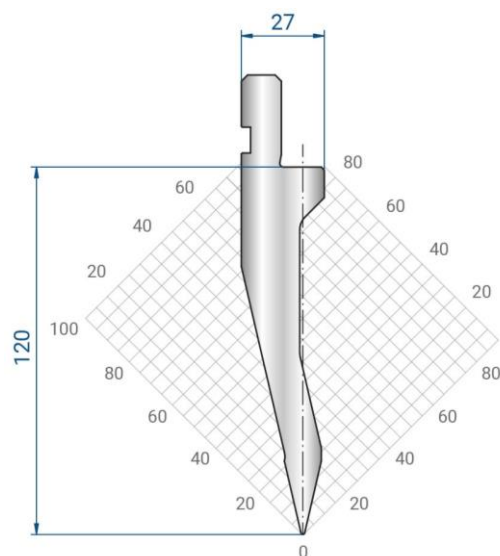
1345		
70T/M $\alpha=60^\circ$ - R=0,6 - H=120 (840)		
415 mm	835 mm	805mm fr
230 €	400 €	597 €



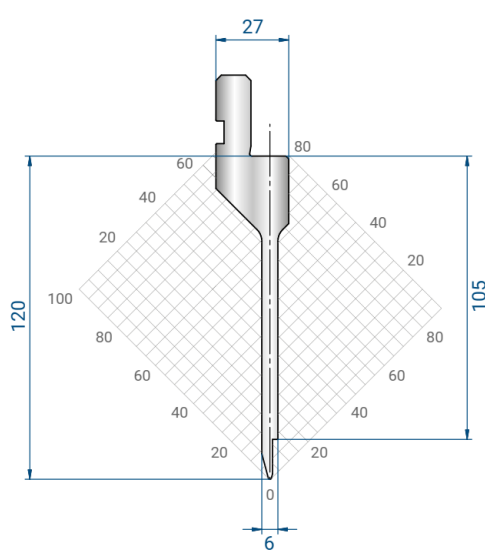
1346		
70T/M $\alpha=60^\circ$ - R=0,6 - H=120 (841)		
415 mm	835 mm	805mm fr
357 €	641 €	888 €



1347		
100T/M $\alpha=30^\circ$ - R=0,6 - H=120 (831)		
415 mm	835 mm	805mm fr
237 €	393 €	581 €



1348		
100T/M $\alpha=26^\circ$ - R=0,6 - H=120 (831)		
415 mm	835 mm	805mm fr
263 €	465 €	647 €

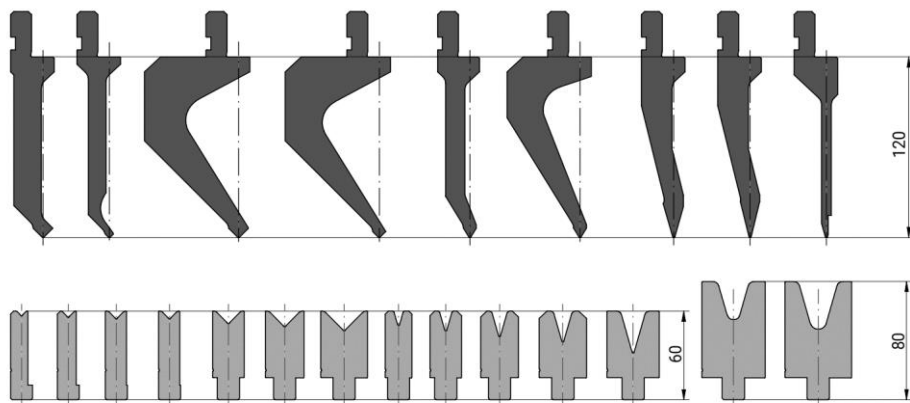


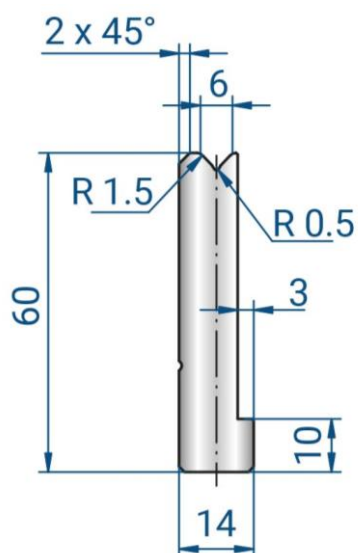
1349		
45T/M $\alpha=30^\circ$ - R=0,6 - H=120 (814)		
415 mm	835 mm	805mm fr
330 €	475 €	698 €

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

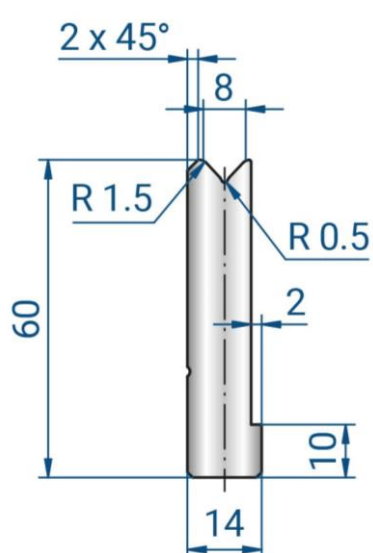
ESH:

- Outils à hauteur constante
- Compatible avec système AFH
- Autorise les travaux en multipostes

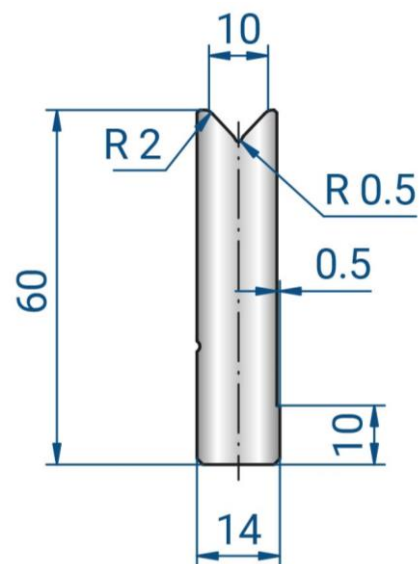


**3320**80T/M $\alpha=86^\circ$ - V=6mm (070)

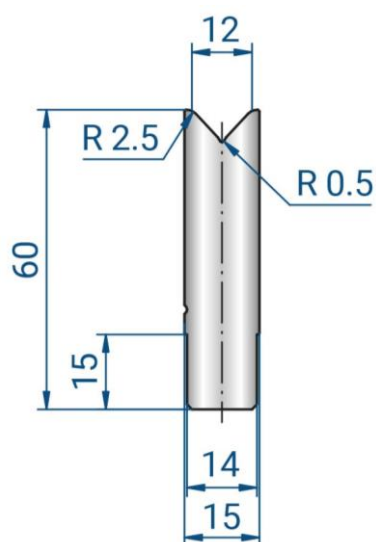
415 mm	835 mm	805mm fr
138 €	222 €	277 €

**3321**100T/M $\alpha=86^\circ$ - V=8mm (071)

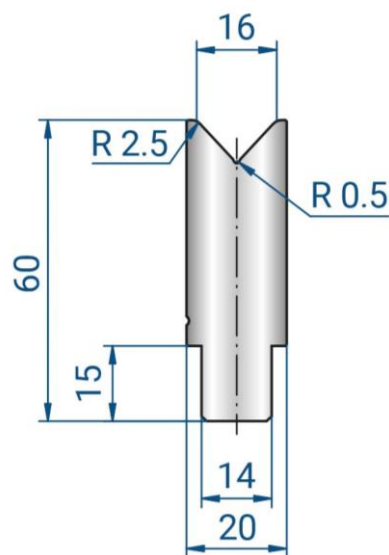
415 mm	835 mm	805mm fr
138 €	222 €	277 €

**3322**100T/M $\alpha=86^\circ$ - V=10mm (072)

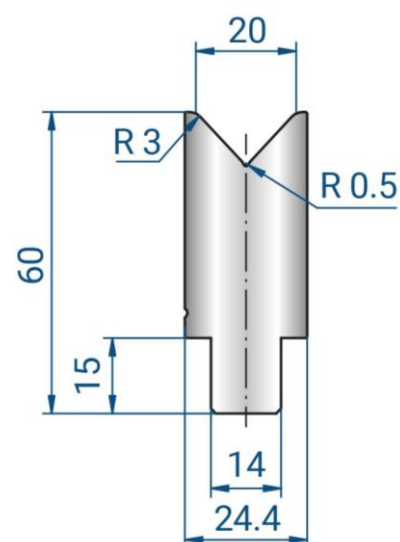
415 mm	835 mm	805mm fr
154 €	253 €	305 €

**3323**100T/M $\alpha=86^\circ$ - V=12mm (074)

415 mm	835 mm	805mm fr
154 €	253 €	305 €

**3324**100T/M $\alpha=86^\circ$ - V=16mm (077)

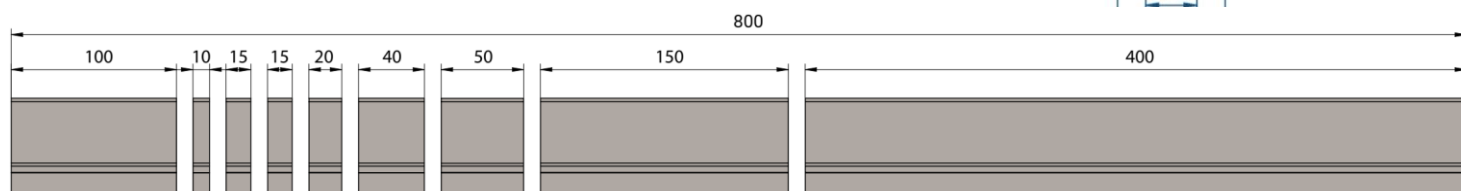
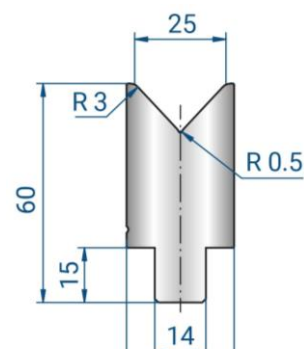
415 mm	835 mm	805mm fr
195 €	326 €	395 €

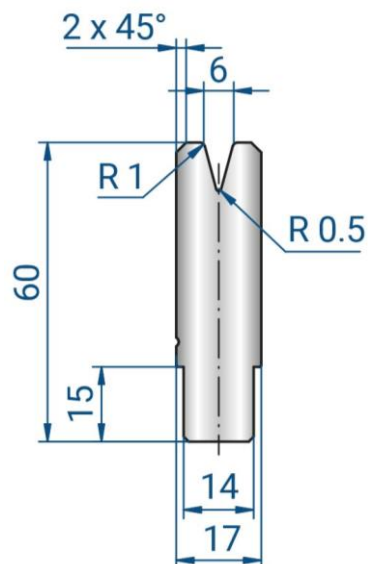
**3325**100T/M $\alpha=86^\circ$ - V=20mm (079)

415 mm	835 mm	805mm fr
187 €	332 €	408 €

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	805mm fr
205 €	364 €	440 €

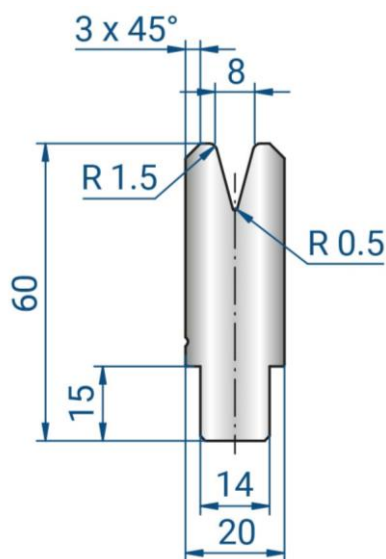




3327

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

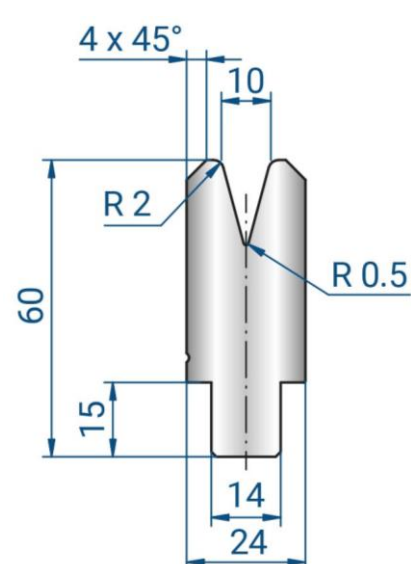
415 mm	835 mm	805mm fr
238 €	392 €	440 €



3328

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

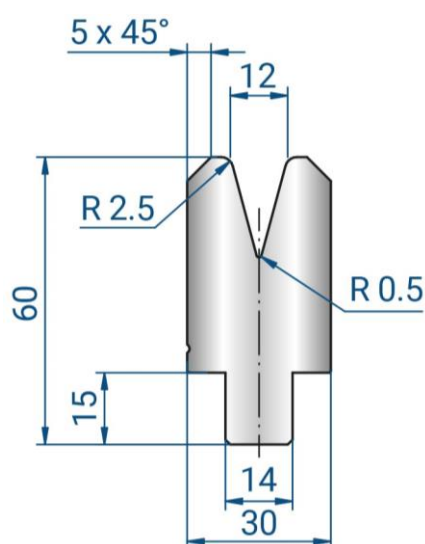
415 mm	835 mm	805mm fr
246 €	408 €	492 €



3329

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

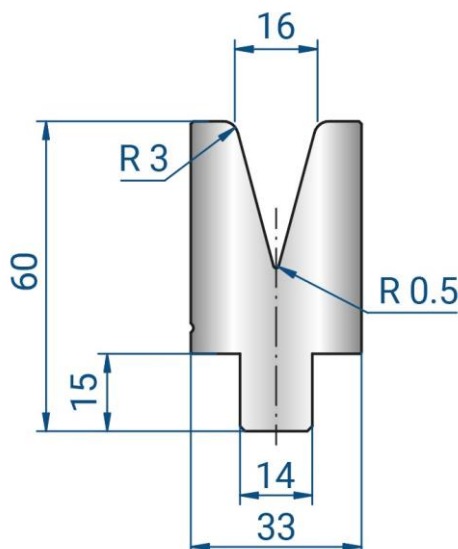
415 mm	835 mm	805mm fr
255 €	419 €	496 €



3330

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

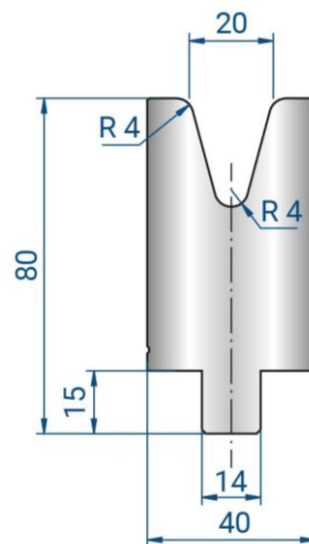
415 mm	835 mm	805mm fr
255 €	419 €	496 €



3331

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

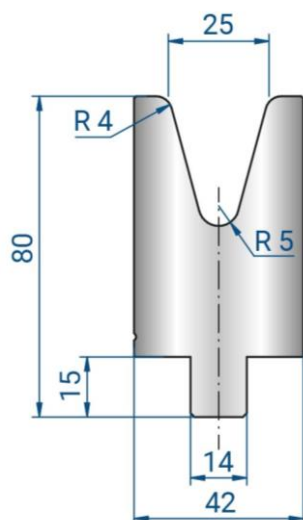
415 mm	835 mm	805mm fr
253 €	458 €	527 €



3332

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

415 mm	835 mm	805mm fr
277 €	500 €	689 €



3333

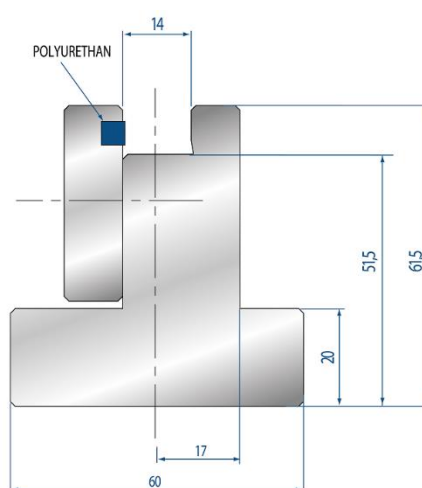
60T/M $\alpha=30^\circ$ - V=25mm (0823)

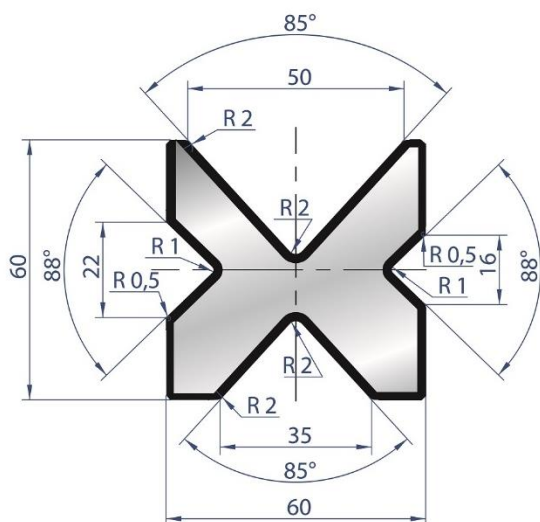
415 mm	835 mm	805mm fr
277 €	500 €	689 €

3173

Porte insert avec maintien polyuréthane

415 mm	835 mm
303 €	501 €

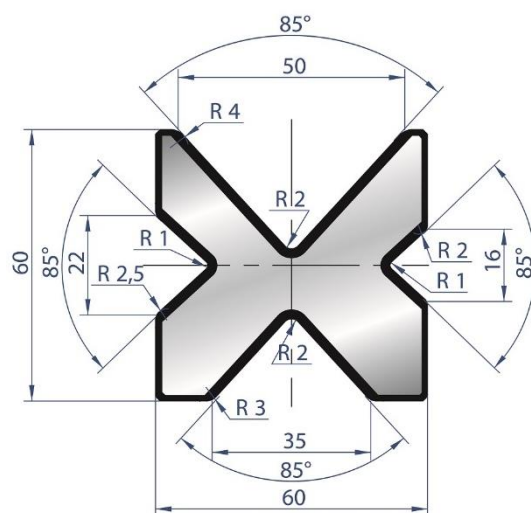




2030

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

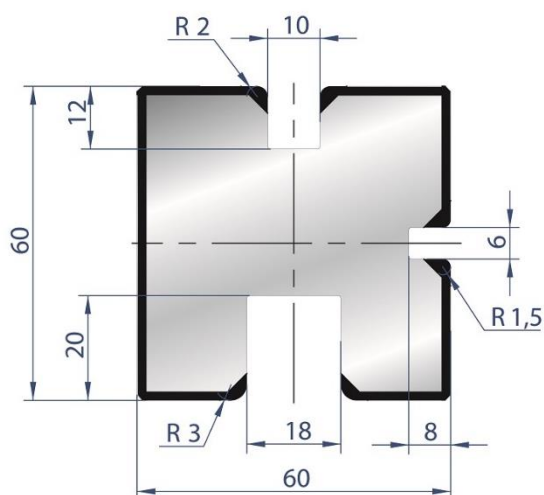
415 mm	835 mm	805mm fr
175 €	294 €	467 €



2067

V16 /22 /35/50 à 85°
Max T/m=80

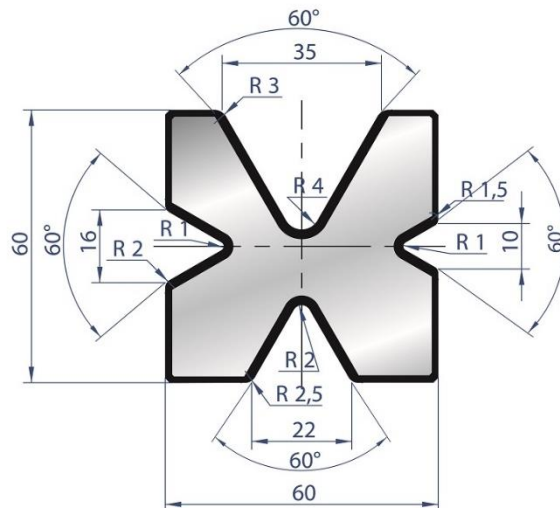
415 mm	835 mm	805mm fr
175 €	294 €	467 €



2031

U6 - U10 - U18
Max T/m=100

415 mm	835 mm	805mm fr
152 €	240 €	447 €

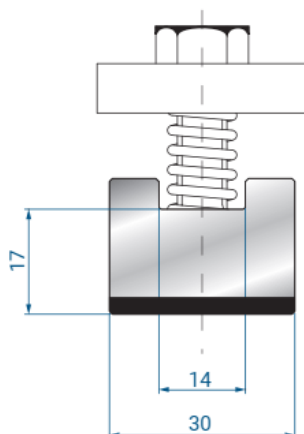


2034

V10/16/22/35 à 60°
Max T/m=60

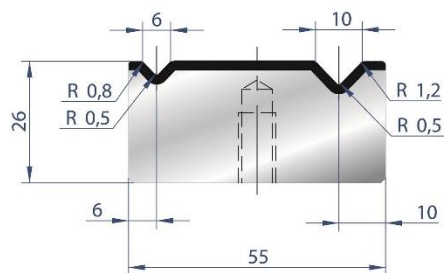
415 mm	835 mm	805mm fr
240 €	411 €	588 €

1043 Tas de frappe	
415 mm	835 mm
61 €	108 €

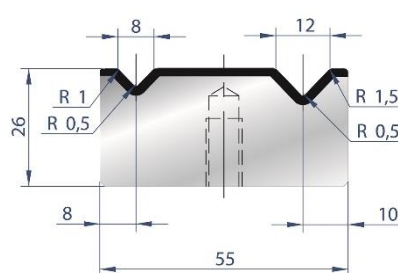


**Tas de frappe à utiliser
avec la face plate de la
matrice 2031.**

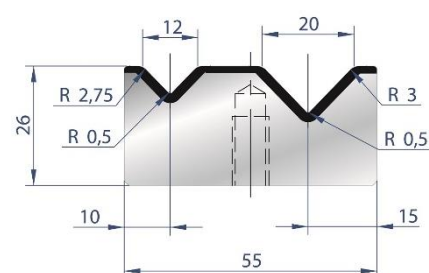
200	50	40	20	15	10	370	100
805							



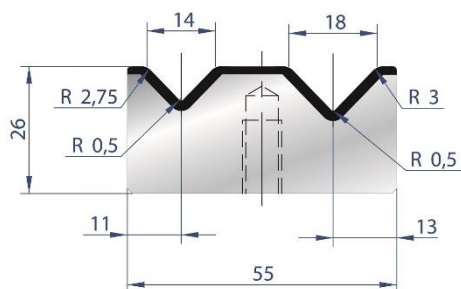
2046	
V 6/10 $\alpha=88^\circ$ Max T/m=100	
415 mm	835 mm
82 €	142 €



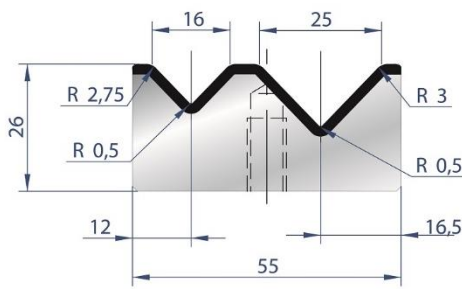
2041	
V 8/12 $\alpha=88^\circ$ Max T/m=100	
415 mm	835 mm
82 €	142 €



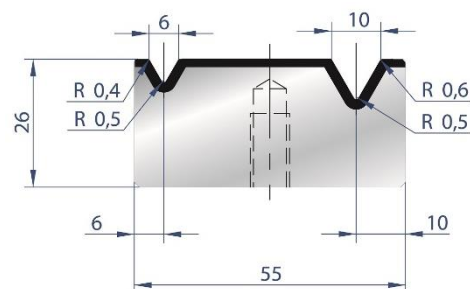
2013	
V 12/20 $\alpha=88^\circ$ Max T/m=100	
415 mm	835 mm
82 €	142 €



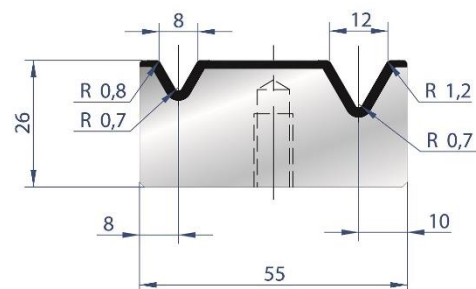
2032	
V 14/18 $\alpha=88^\circ$ Max T/m=100	
415 mm	835 mm
82 €	142 €



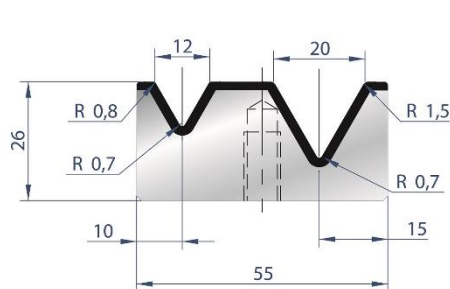
2014	
V 16/25 $\alpha=88^\circ$ Max T/m=100	
415 mm	835 mm
82 €	142 €



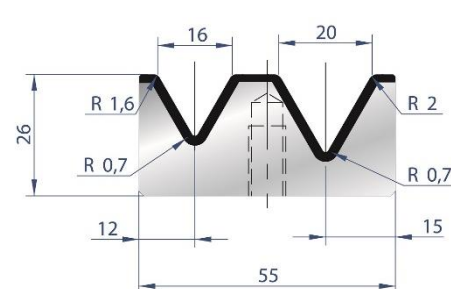
2015	
V 6/10 $\alpha=60^\circ$ Max T/m=60	
415 mm	835 mm
107 €	185 €



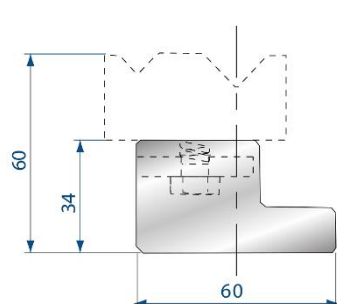
2016	
V 8/12 $\alpha=60^\circ$ Max T/m=60	
415 mm	835 mm
107 €	185 €



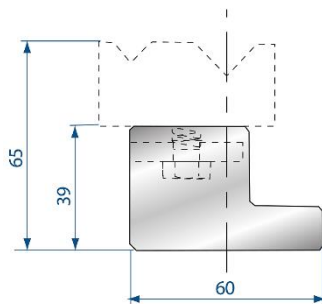
2033	
V 12/20 $\alpha=60^\circ$ Max T/m=60	
415 mm	835 mm
107 €	185 €



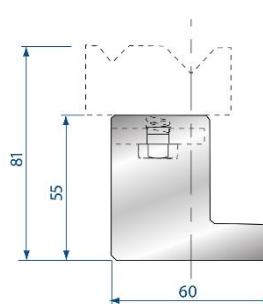
2017	
V 16/20 $\alpha=60^\circ$ Max T/m=60	
415 mm	835 mm
107 €	185 €



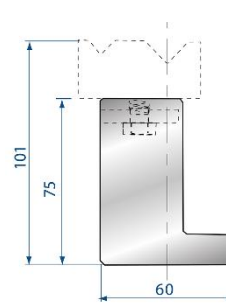
2018	
Réhausse H 34 mm	
415 mm	835 mm
86 €	143 €



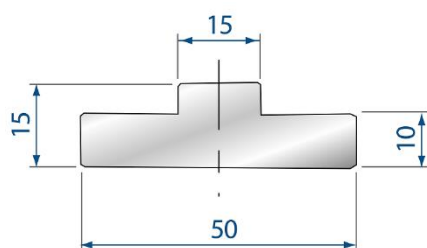
2039	
Réhausse H 39 mm	
415 mm	835 mm
92 €	148 €



2019	
Réhausse H 55 mm	
415 mm	835 mm
97 €	162 €

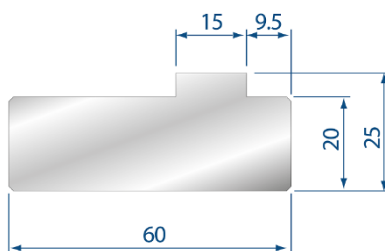


2035	
Réhausse H 75 mm	
415 mm	835 mm
131 €	227 €



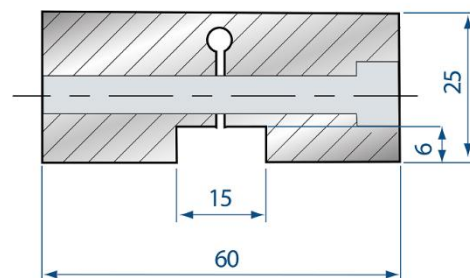
2058
Réhausse H 10 mm

415 mm	835 mm
82 €	149 €



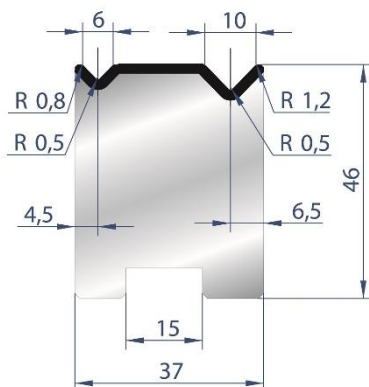
2059
Réhausse H 20 mm

415 mm	835 mm
103 €	200 €



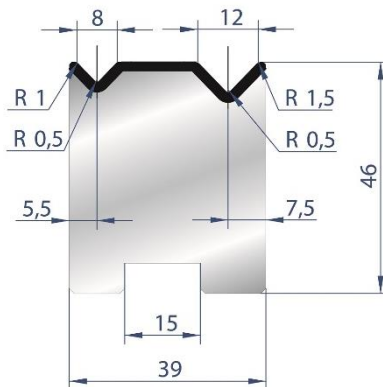
2060
Bride de butée

27 €



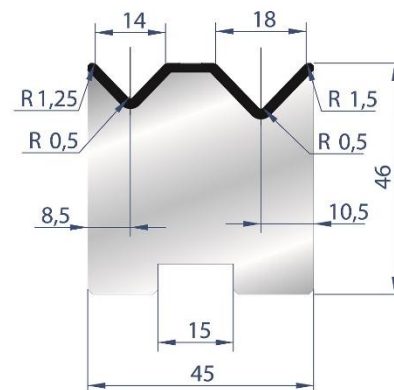
2050
V6/10 à 88° Max T/m=80

415 mm	835 mm	805 fr
125 €	228 €	397 €



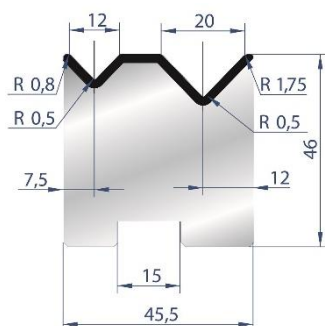
2052
V8/12 à 88° Max T/m=80

415 mm	835 mm	805 fr
125 €	228 €	397 €



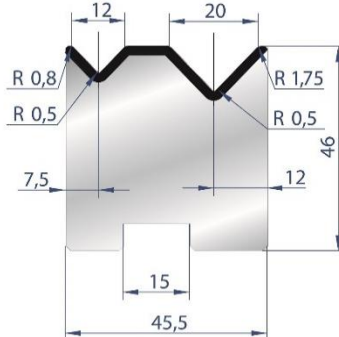
2053
V14/18 à 88° Max T/m=80

415 mm	835 mm	805 fr
125 €	228 €	397 €



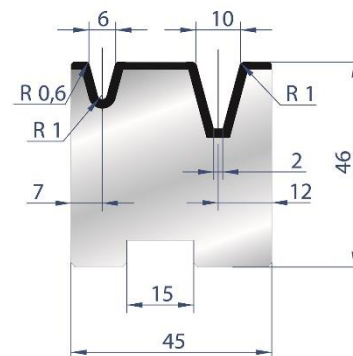
2054
V12/20 à 88° Max T/m=80

415 mm	835 mm	805 fr
125 €	228 €	397 €



2055
V16/25 à 88° Max T/m=80

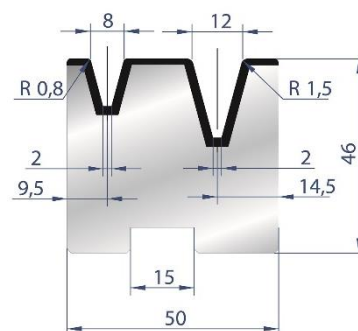
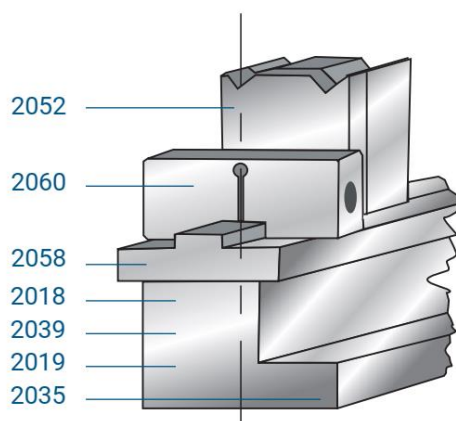
415 mm	835 mm	805 fr
125 €	228 €	397 €



2057
V6/10 à 30° Max T/m=40

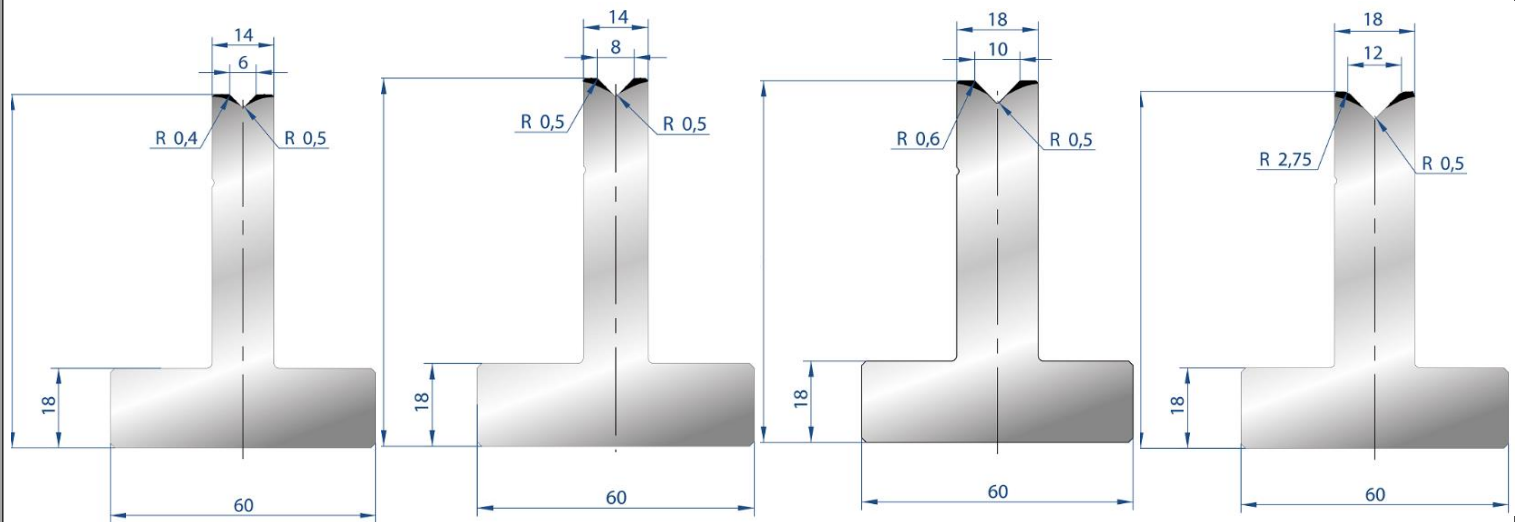
415 mm	835 mm	805 fr
182 €	322 €	493 €

Exemple de montage

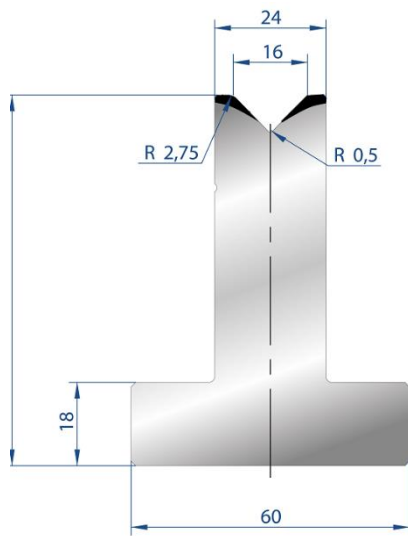


2056
V8/12 à 30° Max T/m=40

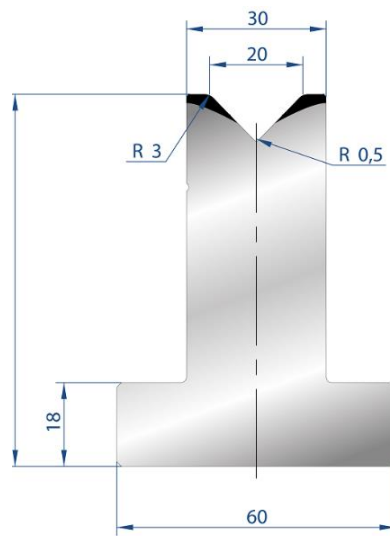
415 mm	835 mm	805 fr
182 €	322 €	493 €



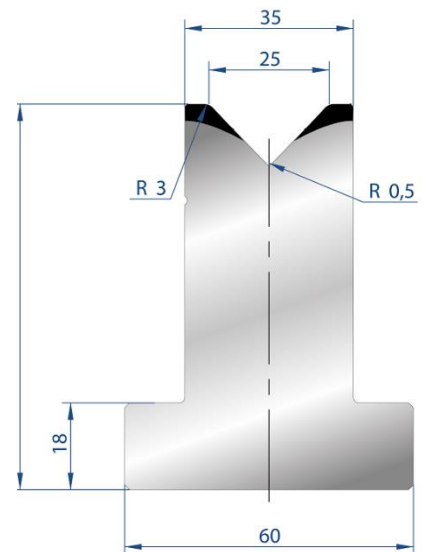
3080 (H 80 mm) $\alpha=88^\circ$ V=6 Max T/m=100			3081 (H 80 mm) $\alpha=88^\circ$ V=8 Max T/m=100			3082 (H 80 mm) $\alpha=88^\circ$ V=10 Max T/m=100			3015 (H 80 mm) $\alpha=88^\circ$ V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
157 €	265 €	419 €	157 €	265 €	419 €	157 €	265 €	419 €	157 €	265 €	419 €
3083 (H 120 mm) $\alpha=88^\circ$ V=6 Max T/m=100			3084 (H 120 mm) $\alpha=88^\circ$ V=8 Max T/m=100			3085 (H 120 mm) $\alpha=88^\circ$ V=10 Max T/m=100			3055 (H 120 mm) $\alpha=88^\circ$ 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
253 €	448 €	617 €	253 €	448 €	617 €	253 €	448 €	617 €	253 €	448 €	617 €



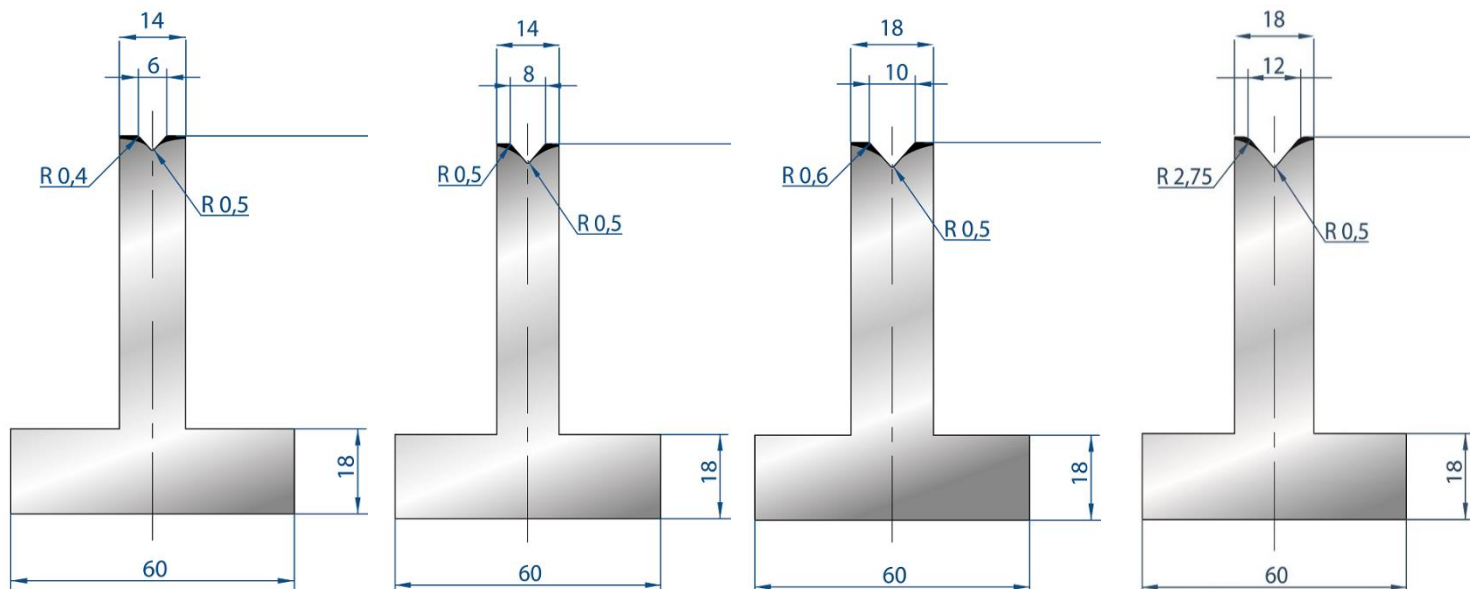
3016 (H 80 mm) $\alpha=88^\circ$ V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
157 €	265 €	419 €
3056 (H 120 mm) $\alpha=88^\circ$ V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
253 €	448 €	617 €



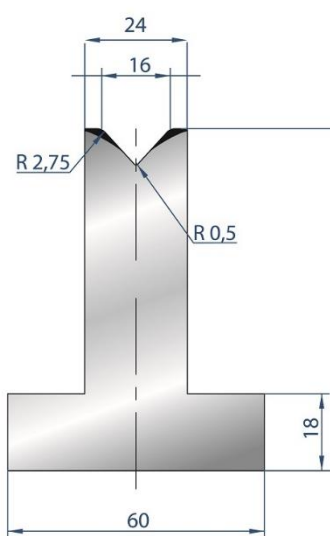
3017 (H 80 mm) $\alpha=88^\circ$ V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
157 €	265 €	419 €
3057 (H 120 mm) $\alpha=88^\circ$ V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
253 €	448 €	617 €



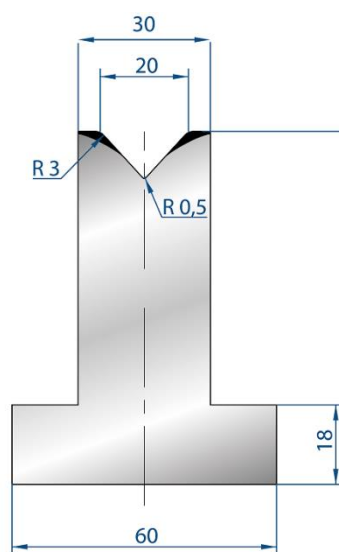
3018 (H 80 mm) $\alpha=88^\circ$ V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
157 €	265 €	419 €
3058 (H 120 mm) $\alpha=88^\circ$ V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
253 €	448 €	617 €



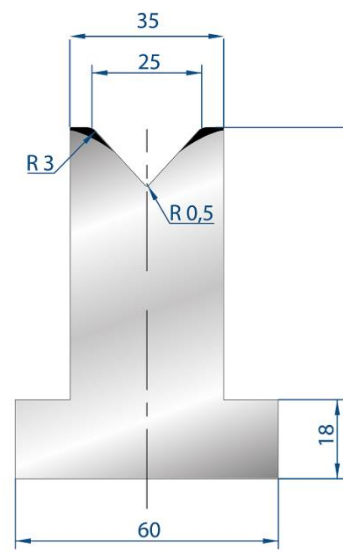
3086 (H 80 mm) $\alpha=85^\circ$ V=6 Max T/m=100			3087 (H 80 mm) $\alpha=85^\circ$ V=8 Max T/m=100			3088 (H 80 mm) $\alpha=85^\circ$ V=10 Max T/m=100			3089 (H 80 mm) $\alpha=85^\circ$ V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
157 €	265 €	419 €	157 €	265 €	419 €	157 €	265 €	419 €	157 €	265 €	419 €
3093 (H 120 mm) $\alpha=85^\circ$ V=6 Max T/m=100			3094 (H 120 mm) $\alpha=85^\circ$ V=8 Max T/m=100			3095 (H 120 mm) $\alpha=85^\circ$ V=10 Max T/m=100			3096 (H 120 mm) $\alpha=85^\circ$ 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
253 €	448 €	617 €	253 €	448 €	617 €	253 €	448 €	617 €	253 €	448 €	617 €



3090 (H 80 mm) $\alpha=85^\circ$ V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
157 €	265 €	419 €
3097 (H 120 mm) $\alpha=85^\circ$ V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
253 €	448 €	617 €

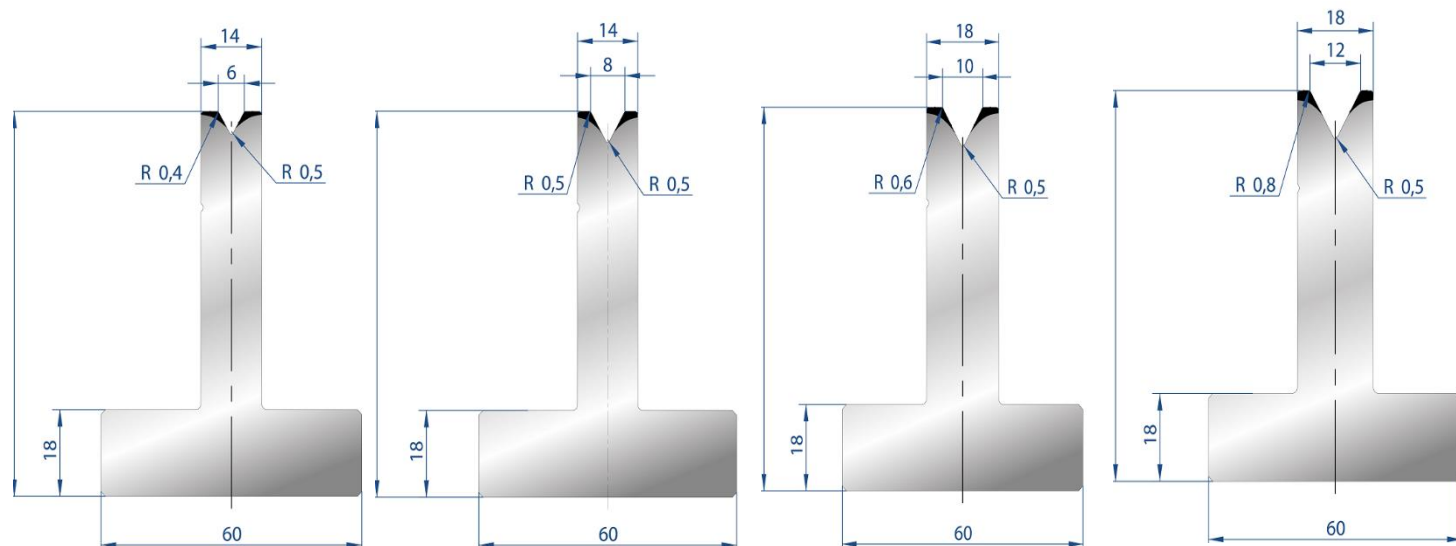


3091 (H 80 mm) $\alpha=85^\circ$ V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
157 €	265 €	419 €
3098 (H 120 mm) $\alpha=85^\circ$ V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
253 €	448 €	617 €

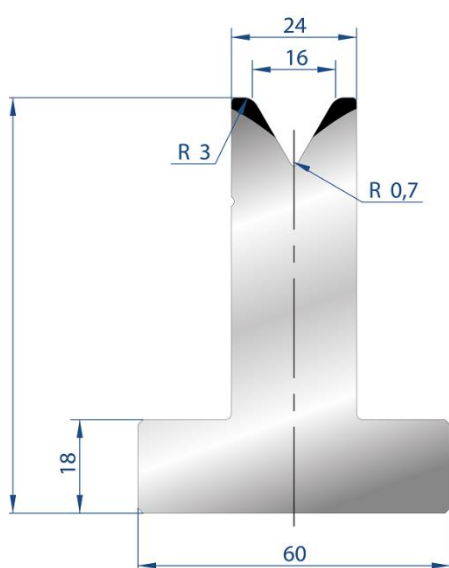


3092 (H 80 mm) $\alpha=85^\circ$ V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
157 €	265 €	419 €
3099 (H 120 mm) $\alpha=85^\circ$ V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
253 €	448 €	617 €

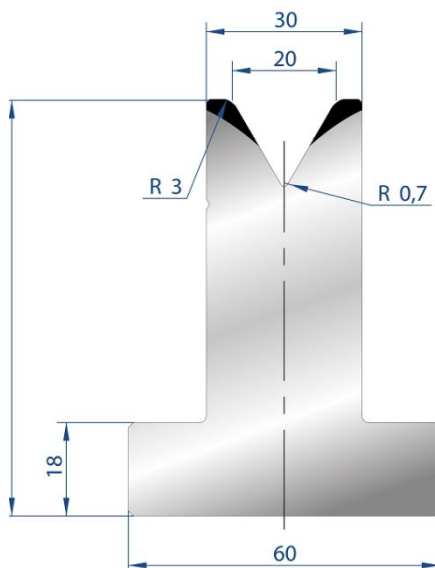
200	50	40	20	15	10	370	100
805							



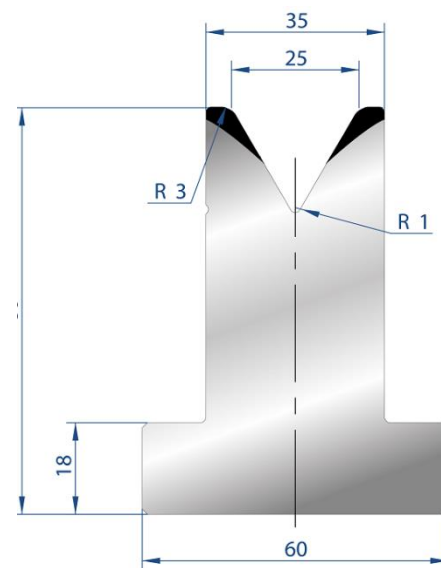
3019 (H 80 mm)			3020 (H 80 mm)			3021 (H 80 mm)			3022 (H 80 mm)		
$\alpha=60^\circ$ V=6 Max T/m=100			$\alpha=60^\circ$ V=8 Max T/m=100			$\alpha=60^\circ$ V=10 Max T/m=100			$\alpha=60^\circ$ V=12 Max T/m=100		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
170 €	290 €	446 €	170 €	290 €	446 €	170 €	290 €	446 €	170 €	290 €	446 €
3059 (H 120 mm)			3060 (H 120 mm)			3061 (H 120 mm)			3062 (H 120 mm)		
$\alpha=60^\circ$ V=6 Max T/m=100			$\alpha=60^\circ$ V=8 Max T/m=100			$\alpha=60^\circ$ V=10 Max T/m=100			$\alpha=60^\circ$ 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
262 €	467 €	635 €	262 €	467 €	635 €	262 €	467 €	635 €	262 €	467 €	635 €



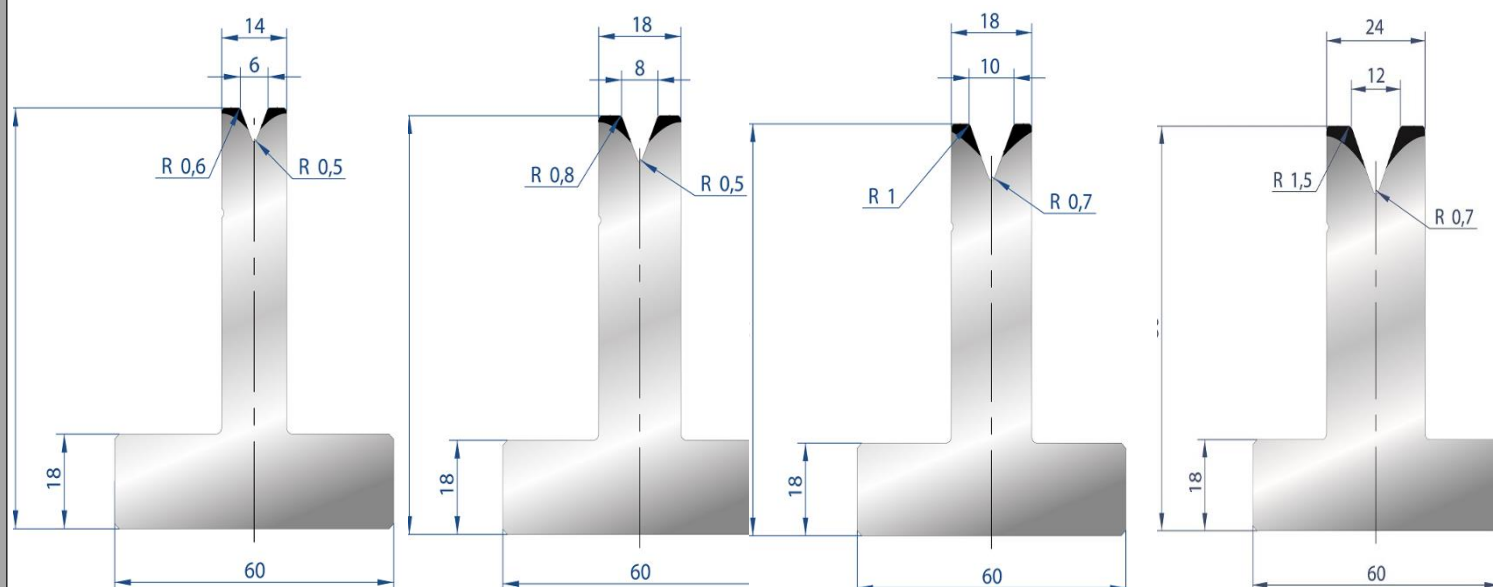
3023 (H 80 mm)		
$\alpha=60^\circ$ V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	290 €	446 €
3063 (H 120 mm)		
$\alpha=60^\circ$ V=16 Max T/m=100		
415 mm	835 mm	805 mm fr
262 €	467 €	635 €



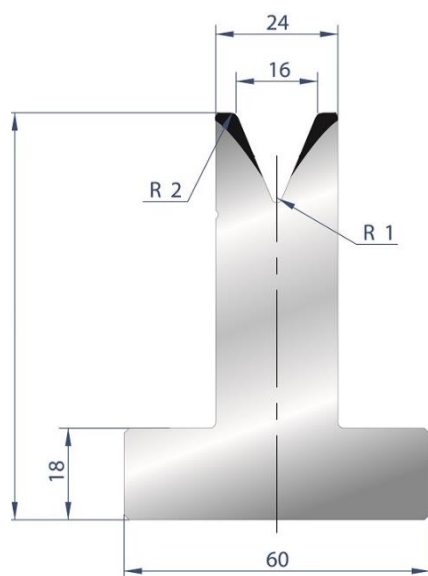
3024 (H 80 mm)		
$\alpha=60^\circ$ V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	290 €	446 €
3064 (H 120 mm)		
$\alpha=60^\circ$ V=20 Max T/m=100		
415 mm	835 mm	805 mm fr
262 €	467 €	635 €



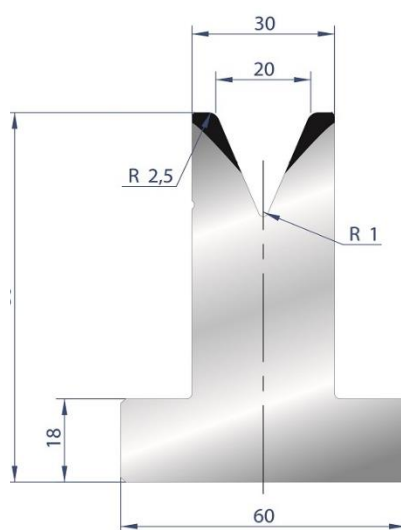
3025 (H 80 mm)		
$\alpha=60^\circ$ V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
170 €	290 €	446 €
3065 (H 120 mm)		
$\alpha=60^\circ$ V=25 Max T/m=100		
415 mm	835 mm	805 mm fr
262 €	467 €	635 €



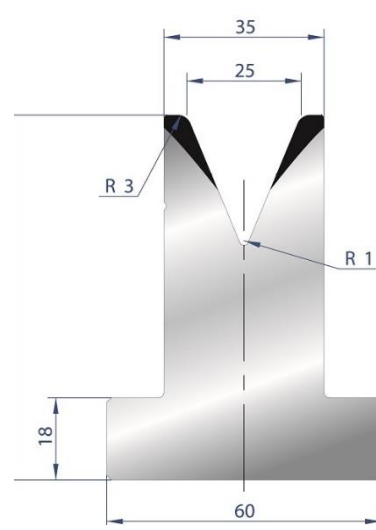
3026 (H 80 mm) $\alpha=45^\circ$ V=6 Max T/m=50			3027 (H 80 mm) $\alpha=45^\circ$ V=8 Max T/m=50			3028 (H 80 mm) $\alpha=45^\circ$ V=10 Max T/m=50			3029 (H 80 mm) $\alpha=45^\circ$ V=12 Max T/m=50		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
179 €	308 €	464 €	179 €	308 €	464 €	179 €	308 €	464 €	179 €	308 €	464 €
3066 (H 120 mm) $\alpha=45^\circ$ V=6 Max T/m=50			3067 (H 120 mm) $\alpha=45^\circ$ V=8 Max T/m=50			3068 (H 120 mm) $\alpha=45^\circ$ V=10 Max T/m=50			3069 (H 120 mm) $\alpha=45^\circ$ 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
270 €	485 €	652 €	270 €	485 €	652 €	270 €	485 €	652 €	270 €	485 €	652 €



3030 (H 80 mm) $\alpha=45^\circ$ V=16 Max T/m=50		
415 mm	835 mm	805 mm fr
179 €	308 €	464 €
3070 (H 120 mm) $\alpha=45^\circ$ V=16 Max T/m=50		
415 mm	835 mm	805 mm fr
270 €	485 €	652 €

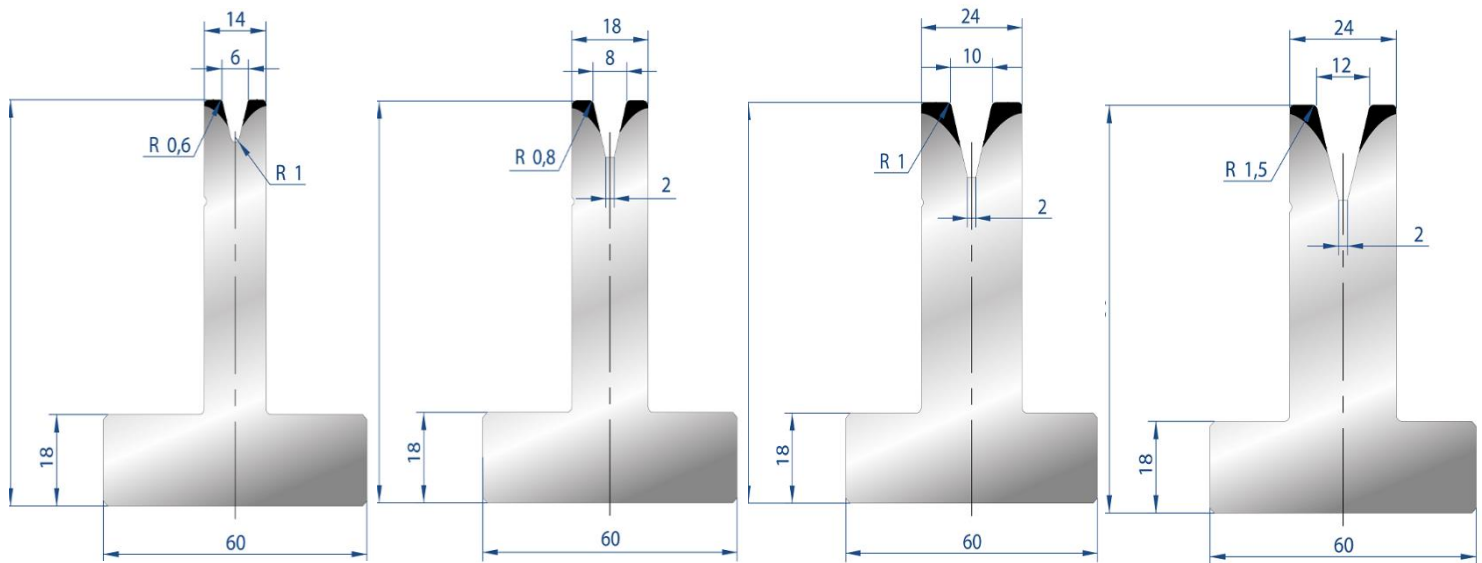


3031 (H 80 mm) $\alpha=45^\circ$ V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
179 €	308 €	464 €
3071 (H 120 mm) $\alpha=45^\circ$ V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
270 €	485 €	652 €

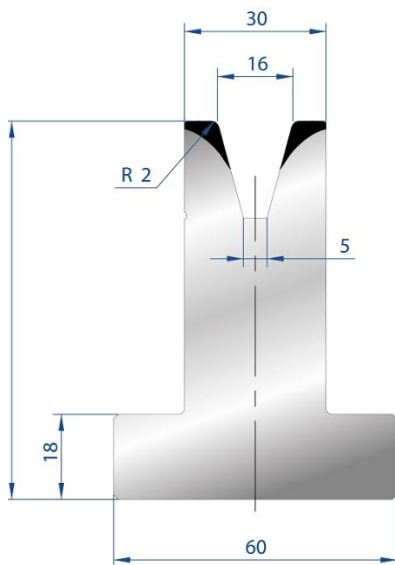


3032 (H 80 mm) $\alpha=45^\circ$ V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
179 €	308 €	464 €
3072 (H 120 mm) $\alpha=45^\circ$ V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
270 €	485 €	652 €

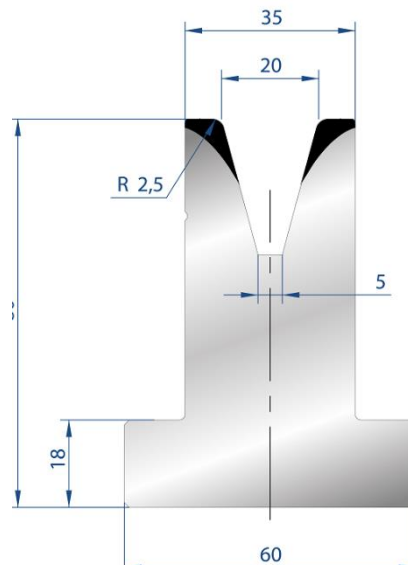
200	50	40	20	15	10	370	100
805							



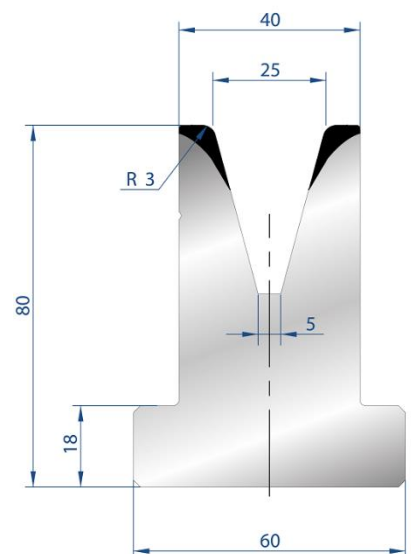
3042 (H 80 mm) $\alpha=30^\circ$ V=6 Max T/m=35			3043 (H 80 mm) $\alpha=30^\circ$ V=8 Max T/m=35			3044 (H 80 mm) $\alpha=30^\circ$ V=10 Max T/m=50			3045 (H 80 mm) $\alpha=30^\circ$ V=12 Max T/m=40		
415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr	415 mm	835 mm	805 mm fr
189 €	325 €	482 €	189 €	325 €	482 €	189 €	325 €	482 €	189 €	325 €	482 €
3073 (H 120 mm) $\alpha=30^\circ$ V=6 Max T/m=35			3074 (H 120 mm) $\alpha=30^\circ$ V=8 Max T/m=35			3075 (H 120 mm) $\alpha=30^\circ$ V=10 Max T/m=50			3076 (H 120 mm) $\alpha=30^\circ$ 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
279 €	501 €	671 €	279 €	501 €	671 €	279 €	501 €	671 €	279 €	501 €	671 €



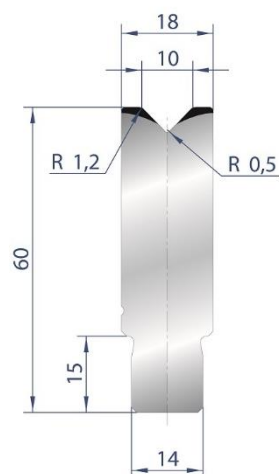
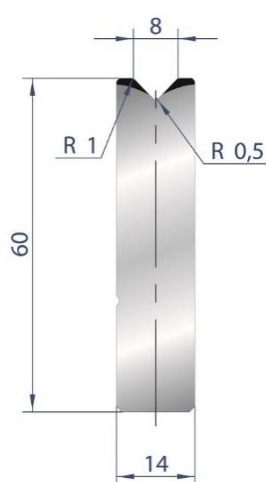
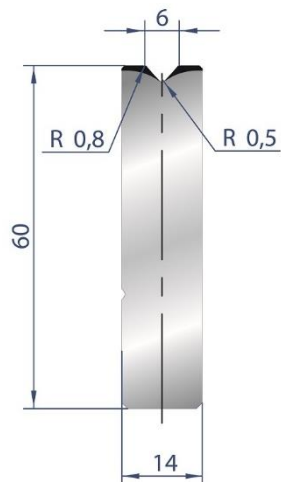
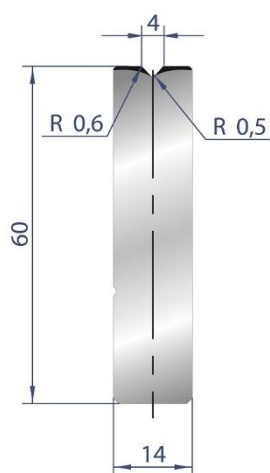
3046 (H 80 mm) $\alpha=30^\circ$ V=16 Max T/m=45		
415 mm	835 mm	805 mm fr
189 €	325 €	482 €
3077 (H 120 mm) $\alpha=30^\circ$ V=16 Max T/m=45		
415 mm	835 mm	805 mm fr
279 €	501 €	671 €



3047 (H 80 mm) $\alpha=30^\circ$ V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
189 €	325 €	482 €
3078 (H 120 mm) $\alpha=30^\circ$ V=20 Max T/m=50		
415 mm	835 mm	805 mm fr
279 €	501 €	671 €



3048 (H 80 mm) $\alpha=30^\circ$ V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
189 €	325 €	482 €
3079 (H 120 mm) $\alpha=30^\circ$ V=25 Max T/m=50		
415 mm	835 mm	805 mm fr
279 €	501 €	671 €



3158

V 4 à 88° Max T/m=100

415 mm	835 mm	805 fr
111 €	219 €	385 €

3159

V 6 à 88° Max T/m=100

415 mm	835 mm	805 fr
111 €	219 €	385 €

3160

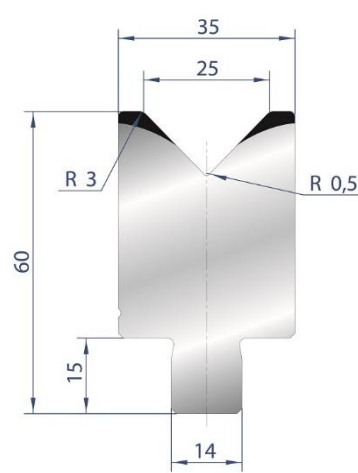
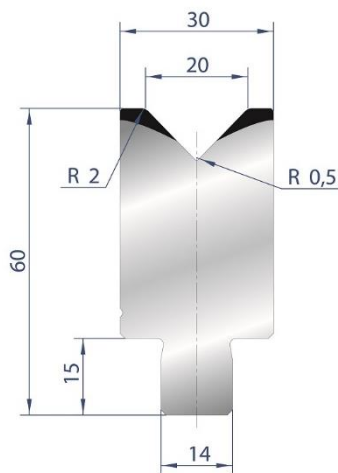
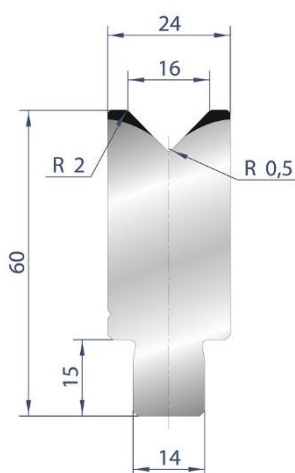
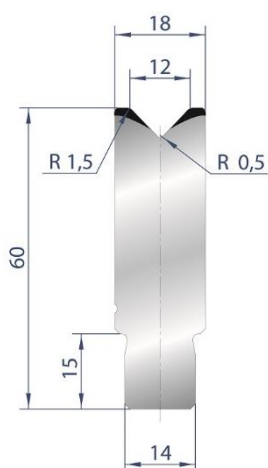
V 8 à 88° Max T/m=100

415 mm	835 mm	805 fr
111 €	219 €	385 €

3161

V 10 à 88° Max T/m=100

415 mm	835 mm	805 fr
111 €	219 €	385 €



3162

V 12 à 88° Max T/m=100

415 mm	835 mm	805 fr
113 €	224 €	394 €

3163

V 16 à 88° Max T/m=100

415 mm	835 mm	805 fr
126 €	251 €	420 €

3164

V 20 à 88° Max T/m=100

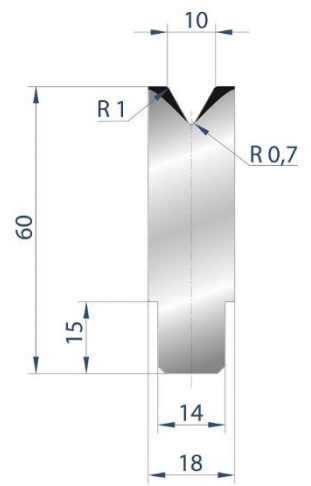
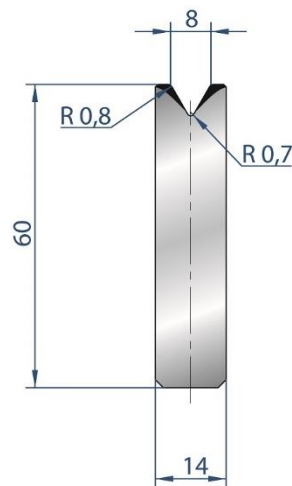
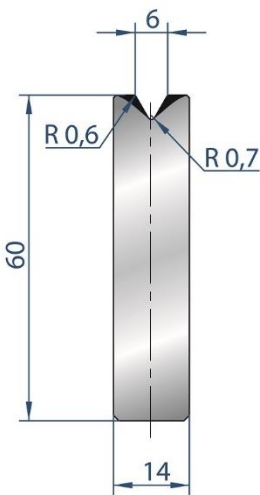
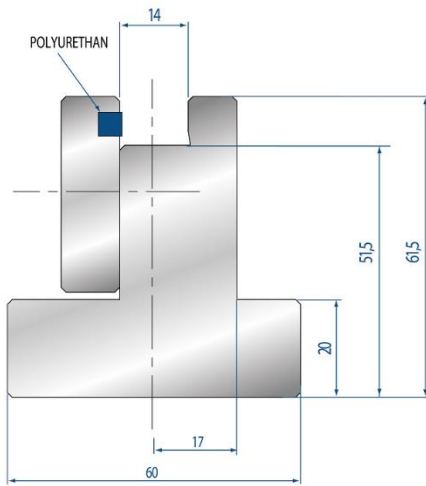
415 mm	835 mm	805 fr
132 €	270 €	439 €

3165

V 25 à 88° Max T/m=100

415 mm	835 mm	805 fr
146 €	290 €	463 €





3173

Porte insert avec maintien polyuréthane

415 mm	835 mm
303 €	501 €

3193

V 6 à 60° Max T/m=100

415 mm	835 mm	805 fr
126 €	249 €	417 €

3194

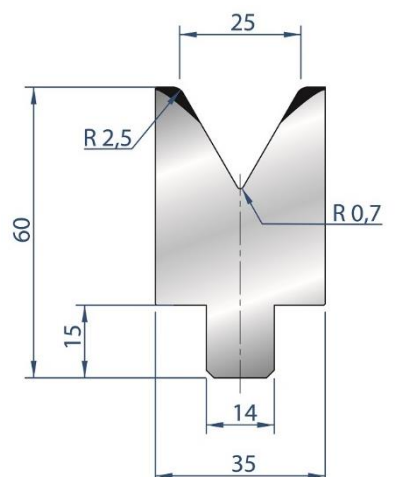
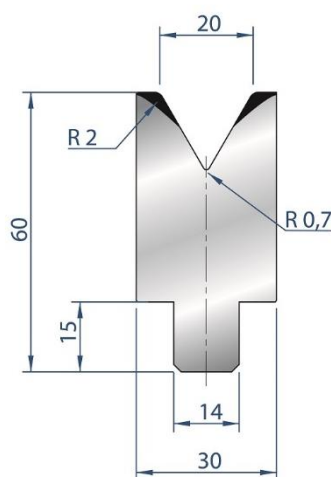
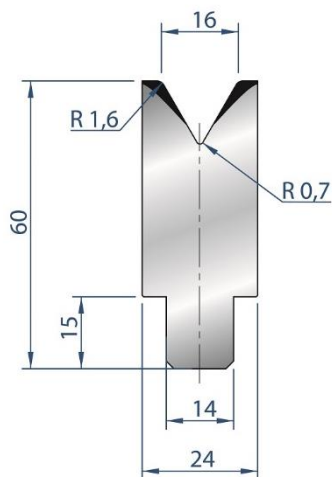
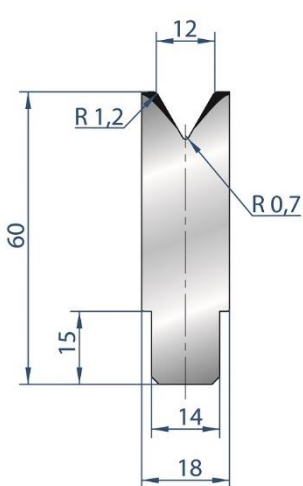
V 8 à 60° Max T/m=100

415 mm	835 mm	805 fr
126 €	249 €	417 €

3195

V 10 à 60° Max T/m=100

415 mm	835 mm	805 fr
126 €	249 €	417 €



3196

V 12 à 60° Max T/m=100

415 mm	835 mm	805 fr
129 €	258 €	427 €

3197

V 16 à 60° Max T/m=100

415 mm	835 mm	805 fr
144 €	285 €	456 €

3198

V 20 à 60° Max T/m=100

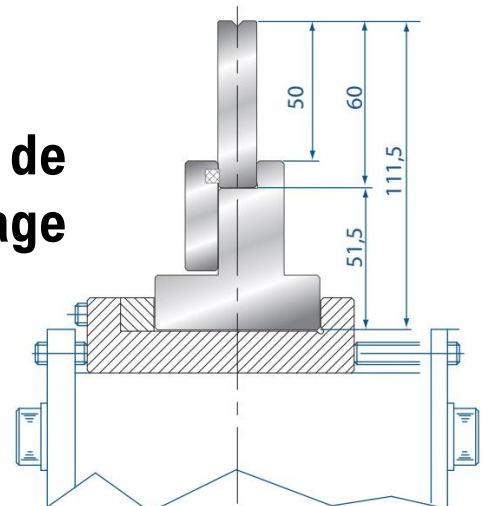
415 mm	835 mm	805 fr
153 €	304 €	472 €

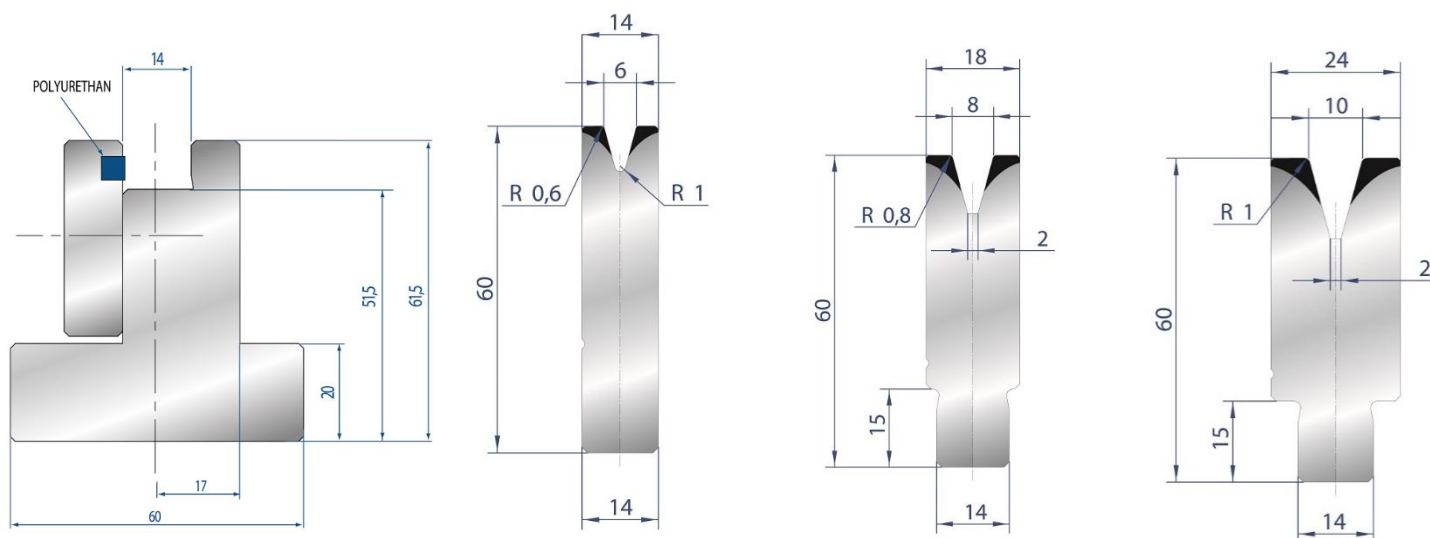
3199

V 25 à 60° Max T/m=100

415 mm	835 mm	805 fr
161 €	324 €	499 €

Exemple de montage



**3173**

Porte insert avec maintien
polyuréthane

415 mm	835 mm
303 €	501 €

3166

V 6 à 30° Max T/m=35

415 mm	835 mm	805 fr
140 €	278 €	448 €

3167

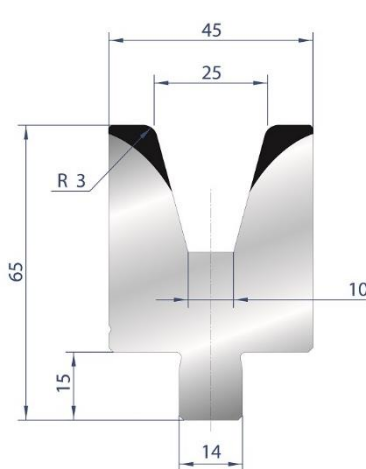
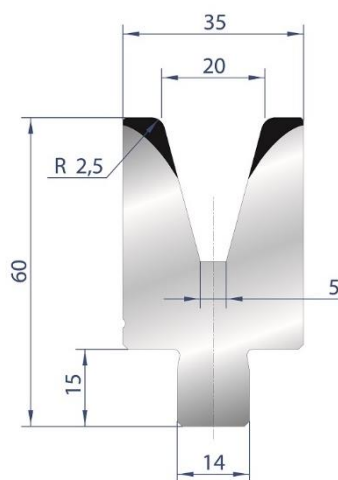
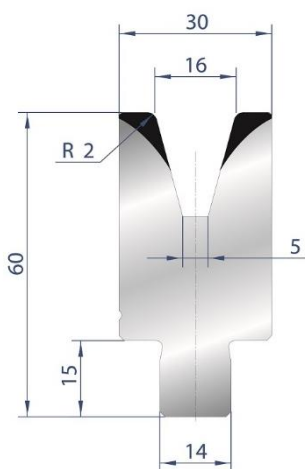
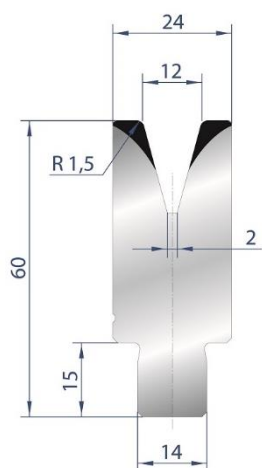
V 8 à 30° Max T/m=40

415 mm	835 mm	805 fr
140 €	278 €	448 €

3168

V 10 à 30° Max T/m=50

415 mm	835 mm	805 fr
140 €	278 €	448 €

**3169**

V 12 à 30° Max T/m=50

415 mm	835 mm	805 fr
146 €	290 €	463 €

3170

V 16 à 30° Max T/m=50

415 mm	835 mm	805 fr
159 €	317 €	492 €

3171

V 20 à 30° Max T/m=55

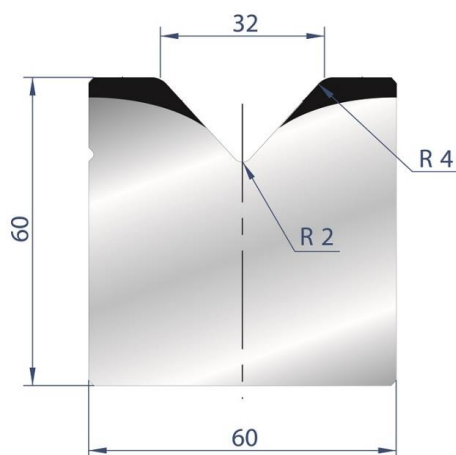
415 mm	835 mm	805 fr
173 €	336 €	507 €

3172

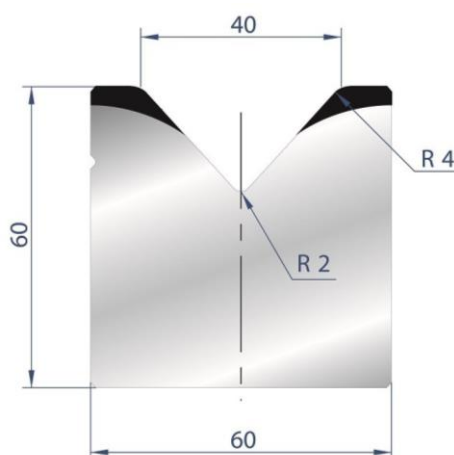
V 25 à 30° Max T/m=55

415 mm	835 mm	805 fr
178 €	357 €	534 €

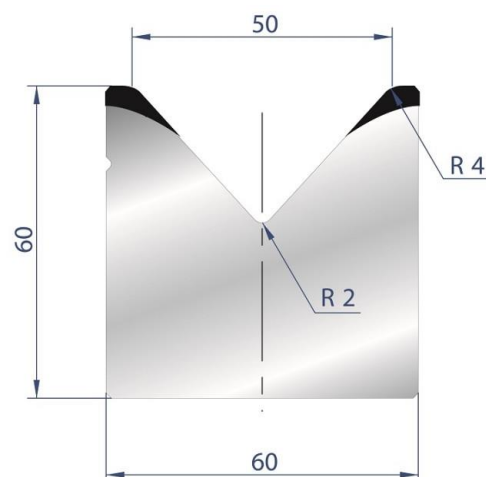
200	50	40	20	15	10	370	100
805							



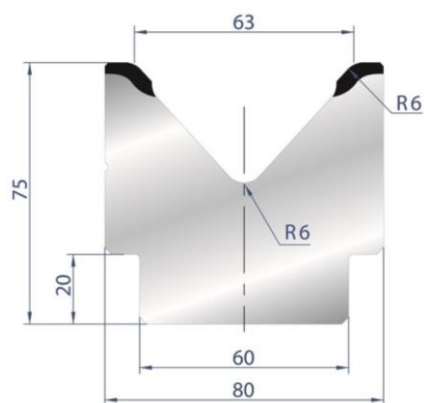
2020		
V 32 à 85° Max T/m=100		
415 mm	835 mm	805 fr
111 €	174 €	335 €



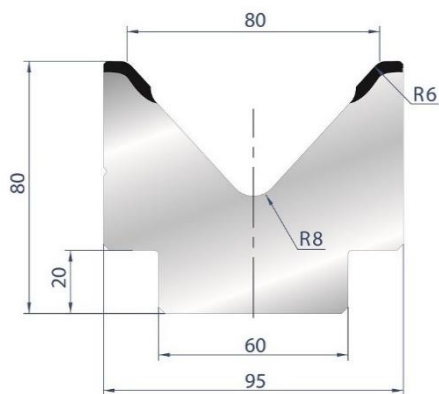
2021		
V 40 à 85° Max T/m=100		
415 mm	835 mm	805 fr
111 €	174 €	335 €



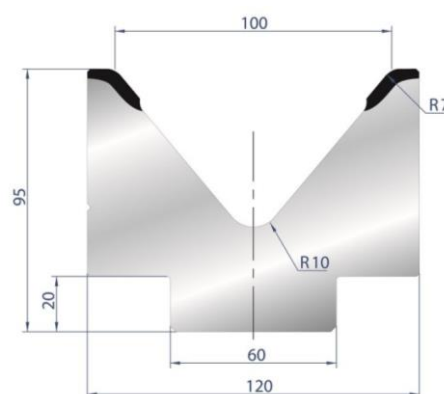
2022		
V 50 à 85° Max T/m=100		
415 mm	835 mm	805 fr
111 €	174 €	335 €



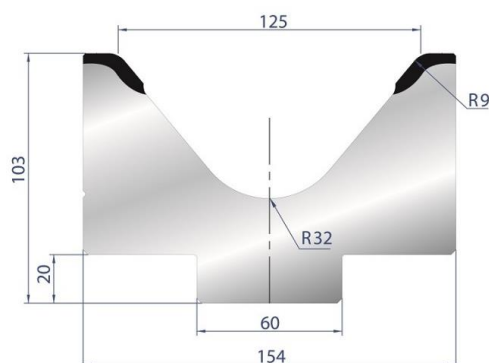
2023		
V 63 à 85° Max T/m=100		
415 mm	835 mm	805 fr
202 €	341 €	548 €



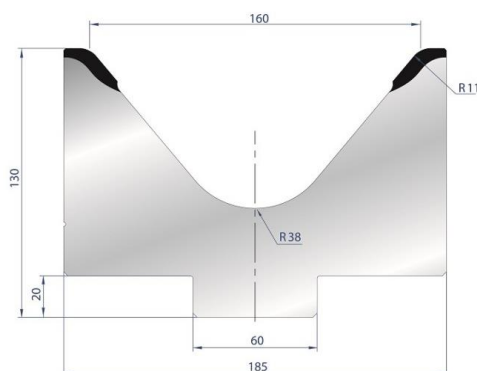
2024		
V 80 à 85° Max T/m=100		
415 mm	835 mm	805 fr
267 €	459 €	685 €



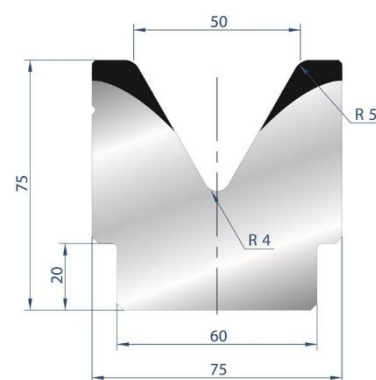
2025		
V 100 à 80° Max T/m=100		
415 mm	835 mm	805 fr
312 €	544 €	833 €



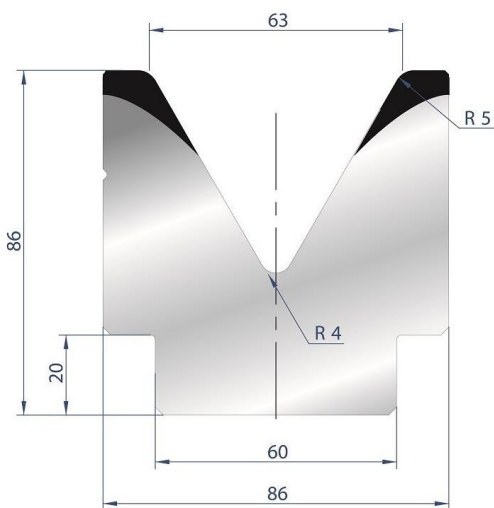
2026		
V 125 à 80° Max T/m=100		
415 mm	835 mm	805 fr
388 €	686 €	1027 €



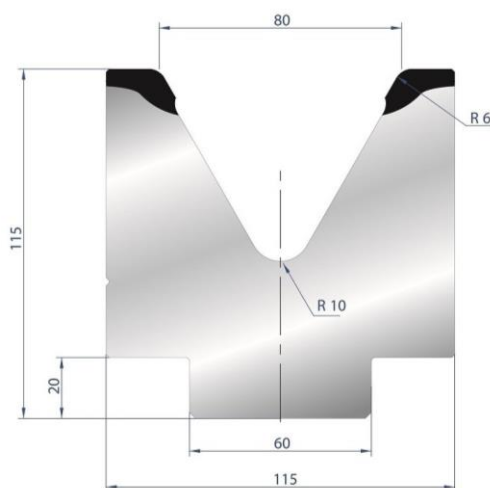
2027		
V 160 à 80° Max T/m=100		
415 mm	835 mm	805 fr
519 €	916 €	1342 €



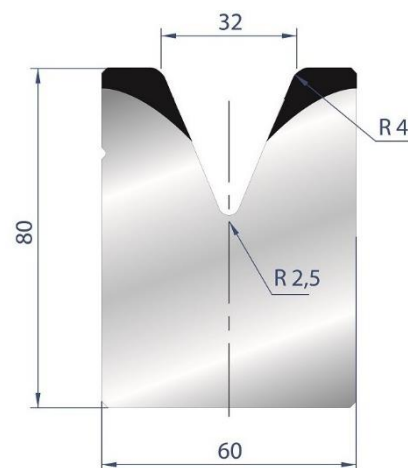
2082		
V 50 à 60° Max T/m=100		
415 mm	835 mm	805 fr
320 €	546 €	796 €



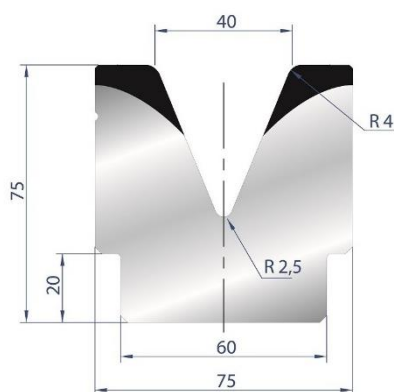
2083		
V 63 à 60° Max T/m=100		
415 mm	835 mm	805 fr
343 €	652 €	927 €



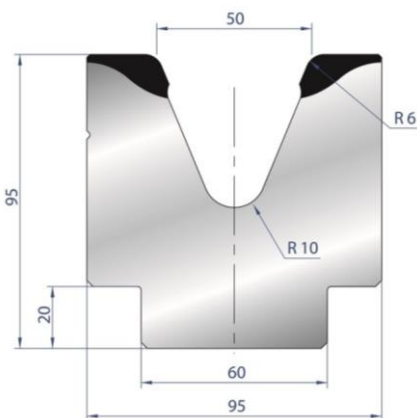
2089		
V 80 à 60° Max T/m=100		
415 mm	835 mm	805 fr
548 €	973 €	1386 €



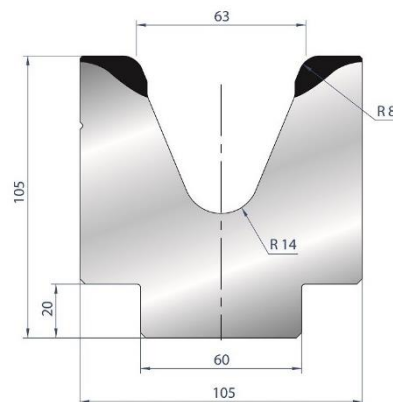
2088		
V 32 à 45° Max T/m=100		
415 mm	835 mm	805 fr
174 €	303 €	496 €



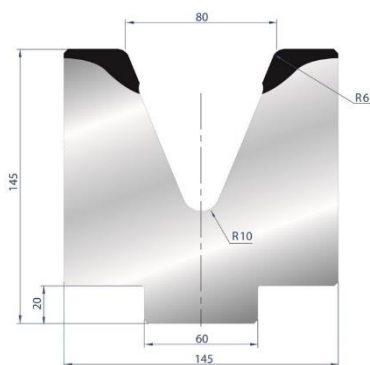
2081		
V 40 à 45° Max T/m=100		
415 mm	835 mm	805 fr
258 €	461 €	656 €



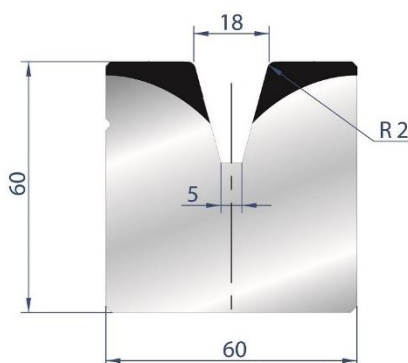
2118		
V 50 à 45° Max T/m=100		
415 mm	835 mm	805 fr
317 €	561 €	911 €



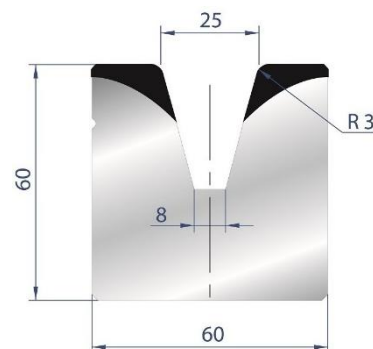
2117		
V 63 à 45° Max T/m=100		
415 mm	835 mm	805 fr
414 €	718 €	1124 €



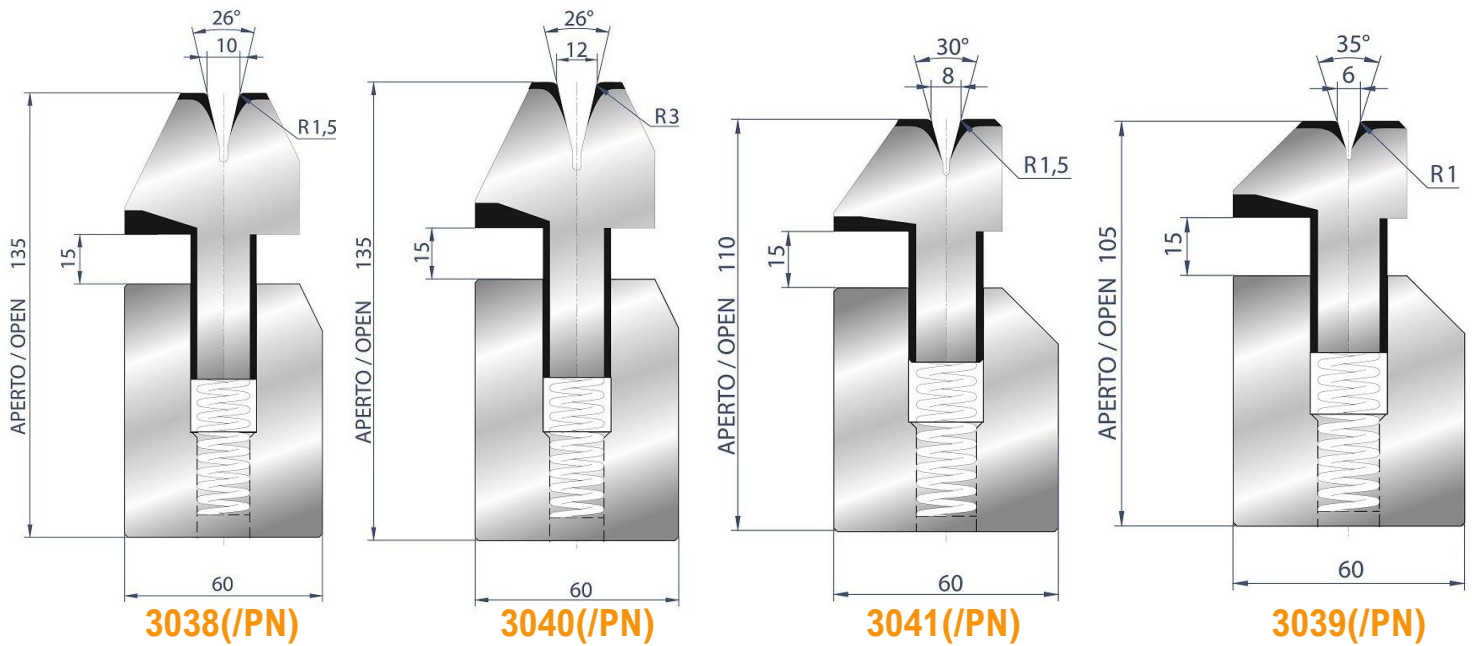
2084		
V 80 à 45° Max T/m=100		
415 mm	835 mm	805 fr
718 €	1220 €	1855 €



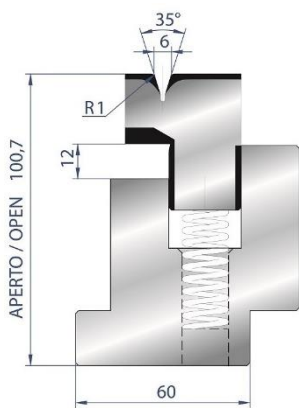
2086		
V 18 à 30° Max T/m=100		
415 mm	835 mm	805 fr
140 €	243 €	404 €



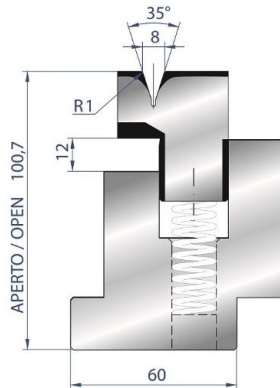
2087		
V 25 à 30° Max T/m=100		
415 mm	835 mm	805 fr
156 €	283 €	438 €



Outils à écraser									
Référence	Caractéristiques					Version mécanique		Version pneumatique (/PN)	
	V	α	Ep maxi	Ouverture	T/mt	415 mm	835mm	415 mm	835mm
3038	10	26	2,5	135	100	511 €	792 €	1039 €	1307 €
3040	12	26	3,0	135	100	537 €	831 €	1039 €	1307 €
3041	8	30	1,5	110	80	439 €	705 €	975 €	1241 €
3039	6	35	1	105	80	366 €	641 €	873 €	1108 €
3037/6	6	35	1	100,7	60	423 €	683 €	Kit de branchement pneumatique 4313: 296€	
3037/8	8	35	1,2	100,7	60	423 €	683 €		



3037/6



3037/8

Valeurs pour acier 45 kg/mmKit

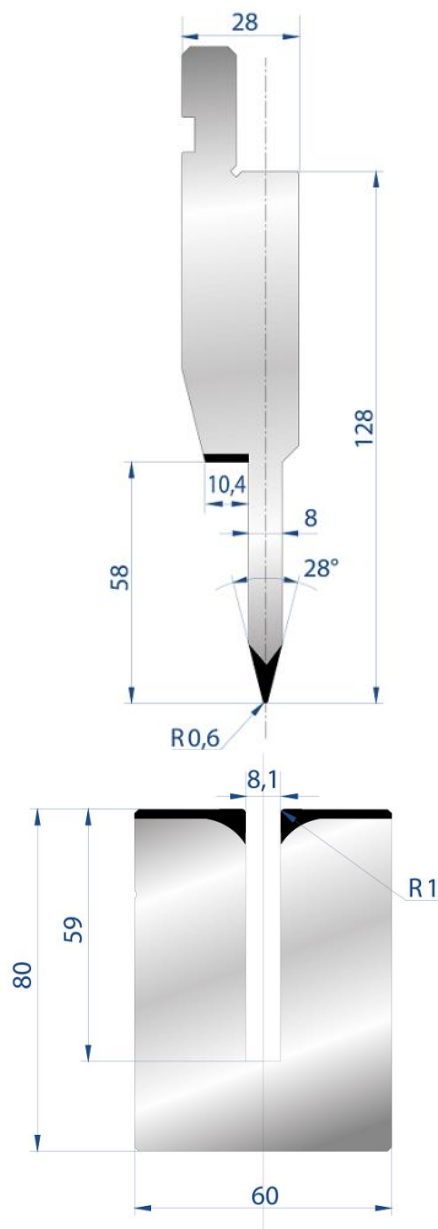
S mm	A mm	Ton /M	2xS	Ton /M
0,6	3	9	1,2	23
0,8	3	12	1,6	32
1	3,5	15	2	40
1,25	3,5	17	2,5	50
1,5	4,6	22	3	63
2	5,5	30	4	80
2,5	6,5	55	5	90
3	8	70	6	100

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

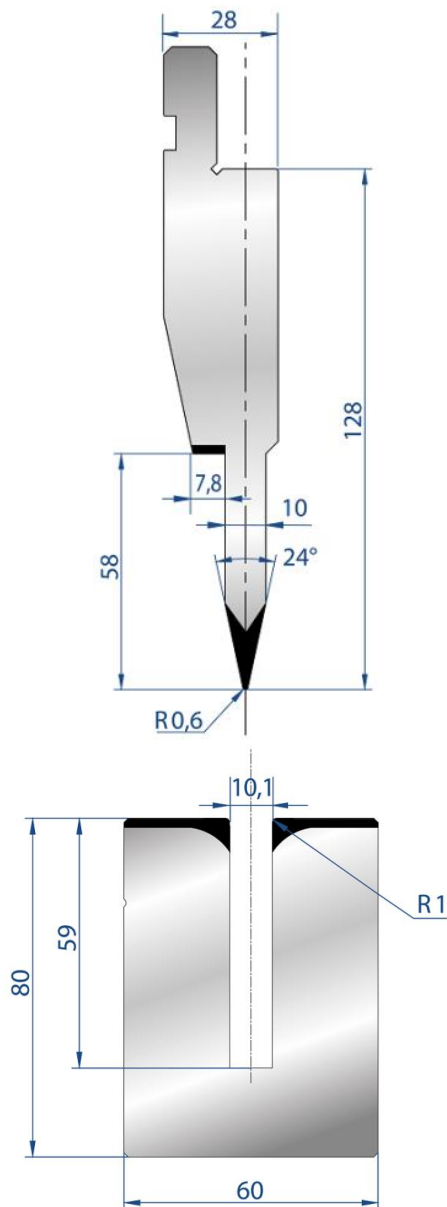
Poinçon à 28° **Max T/m=80**
Pour tôle acier 1,2 mm maxi
Se monte avec la matrice **3176**

415 mm	835 mm	805 fr
338 €	607 €	964 €

3176

Matrice à écraser U= 8,1 mm
Max T/m=50

415 mm	835 mm	805 fr
251 €	439 €	734 €



1196

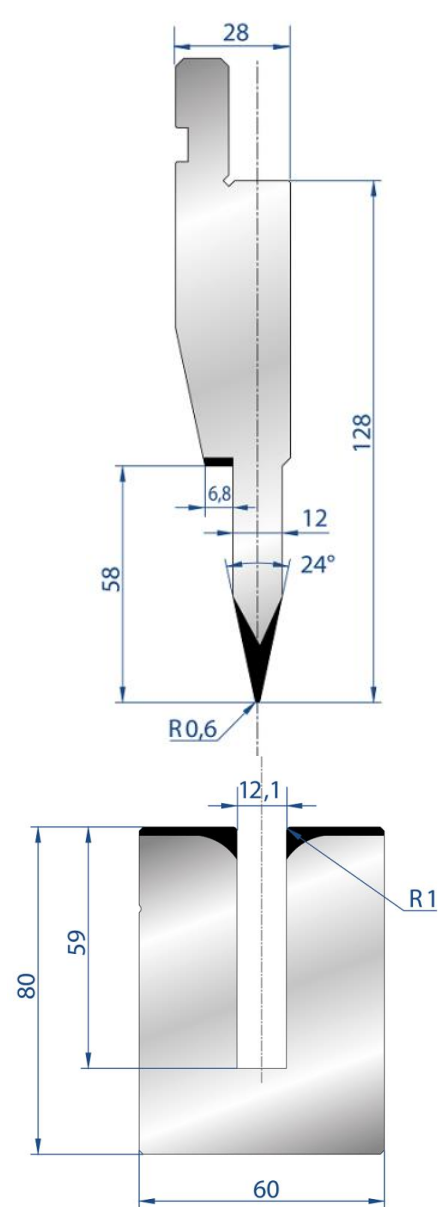
Poinçon à 24° **Max T/m=80**
Pour tôle acier 1,5 mm maxi
Se monte avec la matrice **3177**

415 mm	835 mm	805 fr
364 €	645 €	1022 €

3177

Matrice à écraser U= 10,1 mm
Max T/m=50

415 mm	835 mm	805 fr
264 €	458 €	771 €



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
364 €	645 €	1022 €

3178

Matrice à écraser U= 12,1 mm
Max T/m=50

415 mm	835 mm	805 fr
264 €	458 €	771 €

