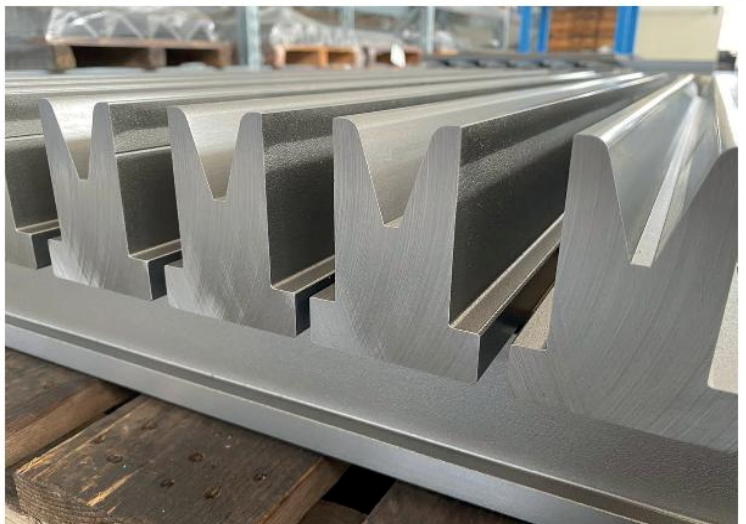
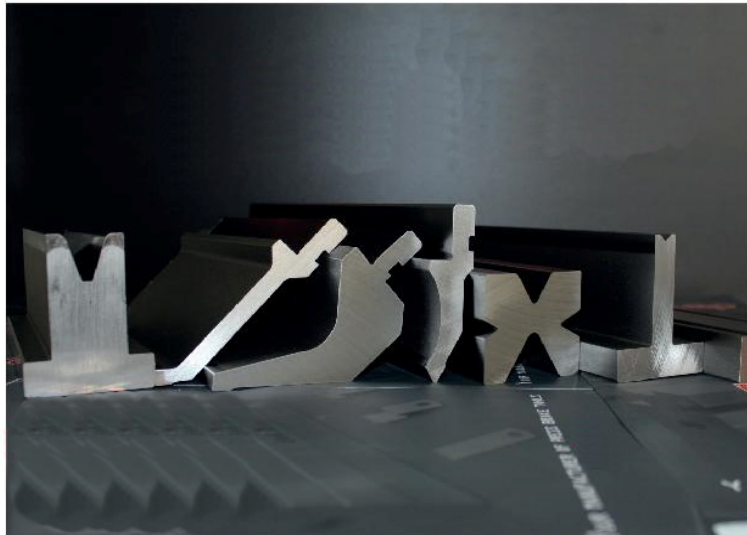
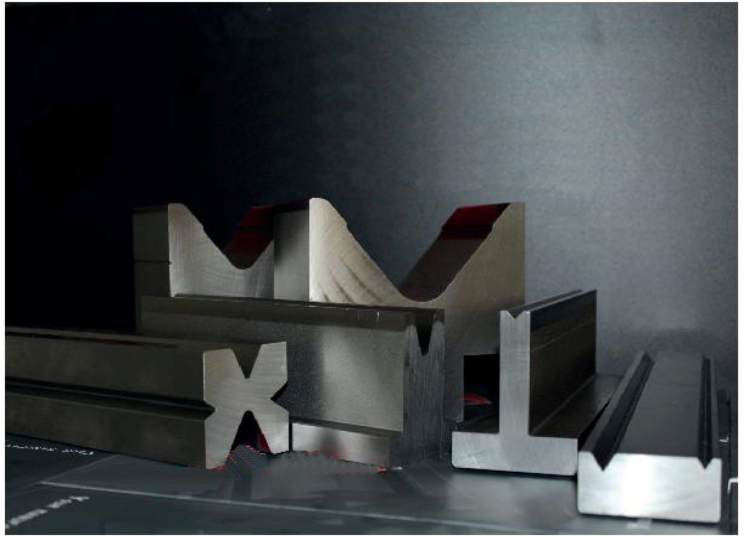
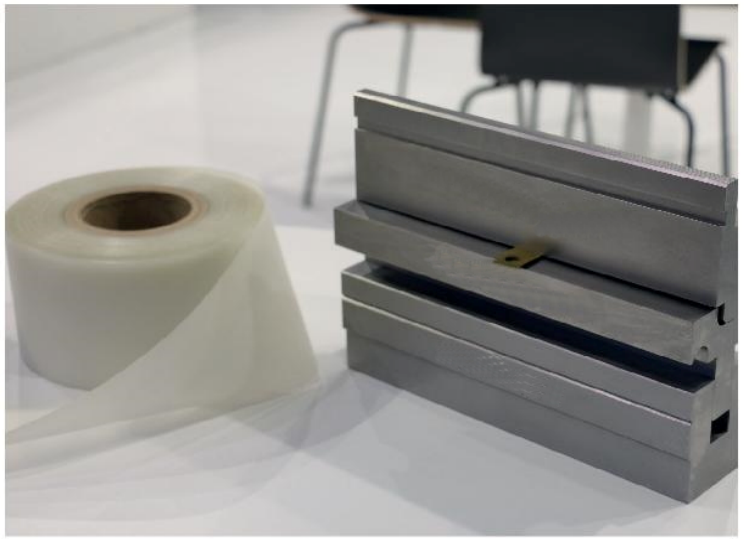
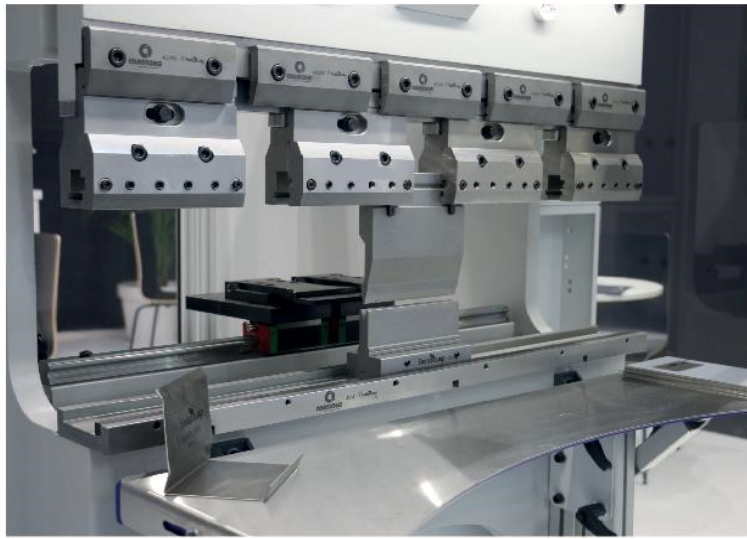




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ul. Toszecka 102, lokal nr 605
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Tel. kom.: +48 732-75-75-76
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Katalog narzędzi do pras krawędziowych

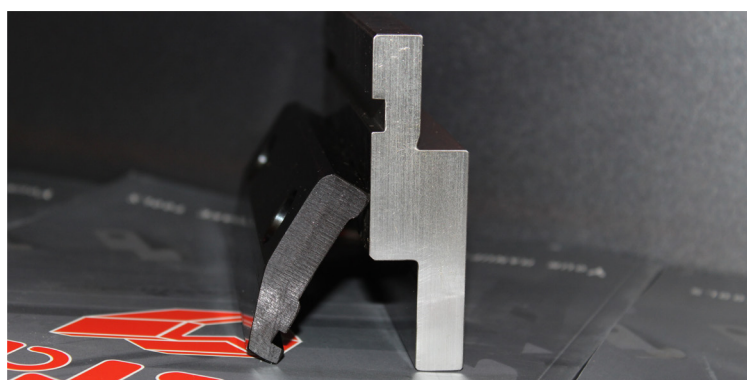
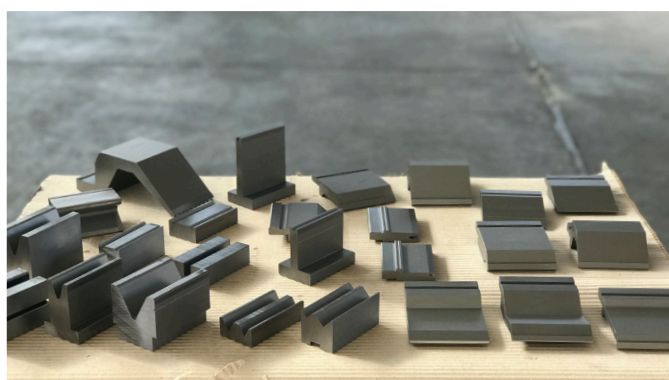






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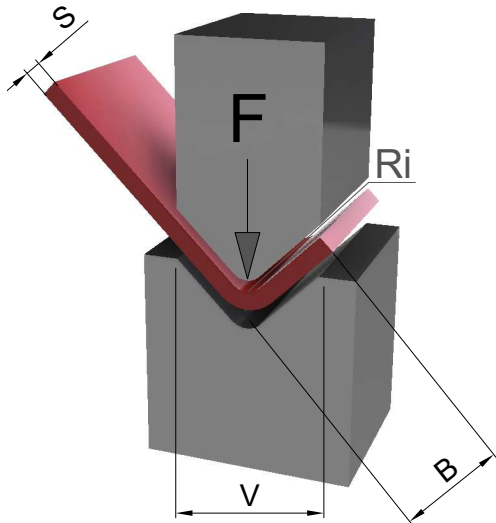


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Bending scheme



Calculation of force for air bending



S	Thickness of sheet in mm	
V	V - Opening	
F	Force in Ton/meter	
B	Shortest edge to be bent	
Ri	Inside radius	
R	Alluminium	20 - 25 Kg/mm ²
R	Mild steel	40 - 45 Kg/mm ²
R	Stainless steel	60 - 70 Kg/mm ²

$$F = \frac{S^2 \times 2 \times R}{1.4 \times V} = \dots \text{Ton/m}$$



Recommended "V" opening for air bending

Sheet thickness (mm)	S	0.5-2.5mm	3-8mm	9-10mm	>12mm
V - Width (mm)	V	6 x S	8 x S	10 x S	12 x S

CHART BY BENDING IN THE AIR - for 90° air bending, sheet resistance R = 45kg/mm ²																			
S	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	V	
	4	5.5	7	8.5	11	14	17.5	22	28	35	45	55	71	89	113	140	175	B	
	1	1.3	1.6	2	2.6	3.3	4	5	6.5	8	10	13	16	20	26	33	41	Ri	
mm																			
0.5	3																		
0.6	4	4																	
0.8	7	5	4																
1	11	8	7	6															
1.2	16	12	10	8	6														
1.5		17	15	13	9	8													
2			27	22	17	13	11												
2.5				35	26	21	17	13											
3					38	30	24	19	15										
4						54	42	34	27	21									
5							67	52	42	33	26								
6								75	60	48	38	30							
8									107	85	68	53	43						
10										134	105	85	67	53					
12											153	120	95	78	60				
15												188	150	120	95	75			
20													270	215	170	135	108		F

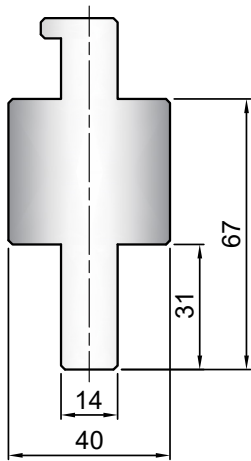
t/m

Retrofitting

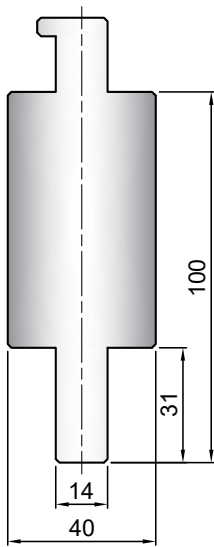


Adapters to fit Amada - Promecam tools suitable for any type of press brake

40.010	100 T/m
--------	---------



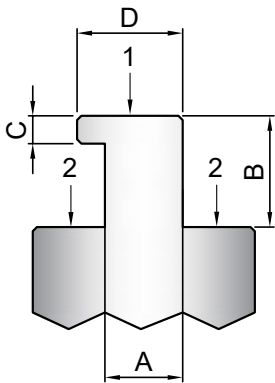
40.020	100 T/m
--------	---------



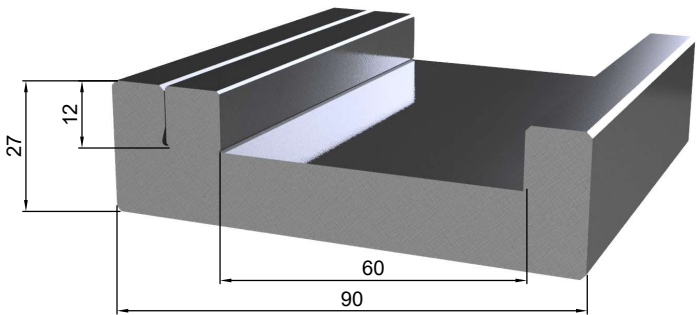
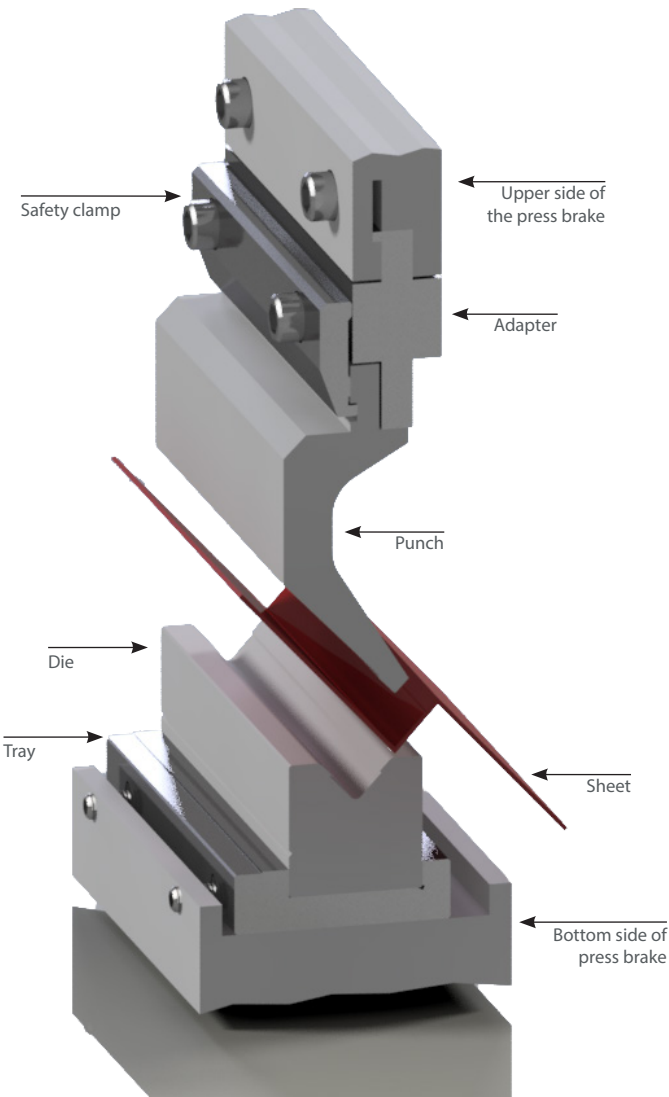
Specify dimension of head and pressure points

A	
B	
C	
D	

1	
2	



90.099	L:1050/modular
90.100	L:2100



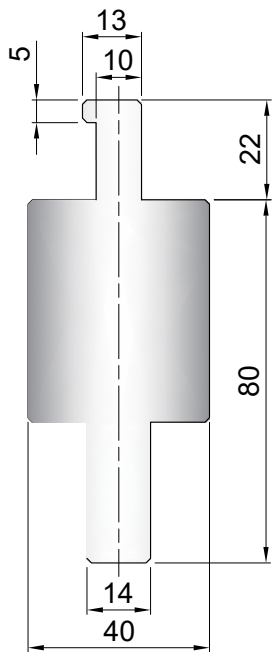
Adapters



Adapters to fit Amada - Promecam tools with 7 mm axis

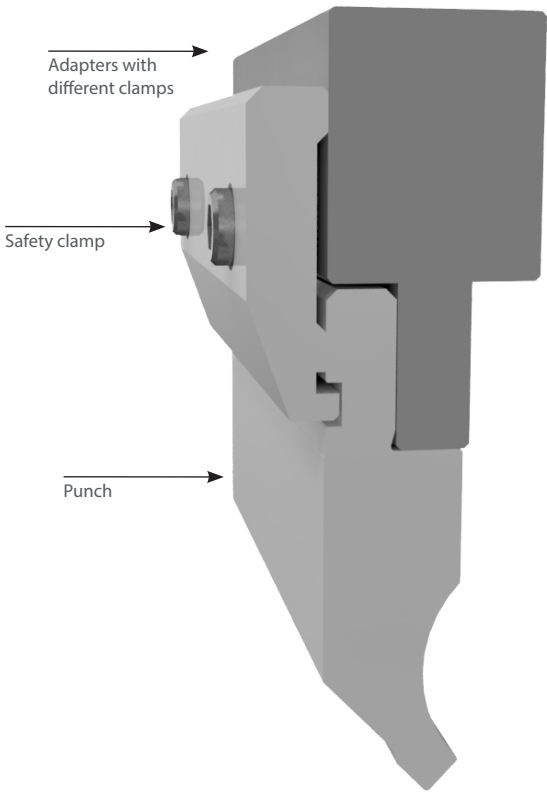
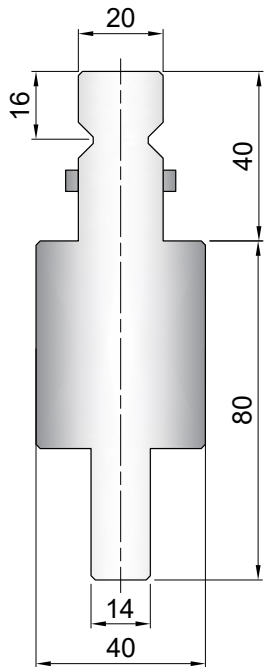
LVD

41.430 L:150 mm



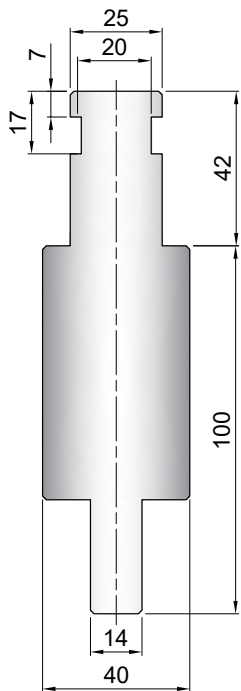
Wila - Trumpf

41.910 L:150 mm



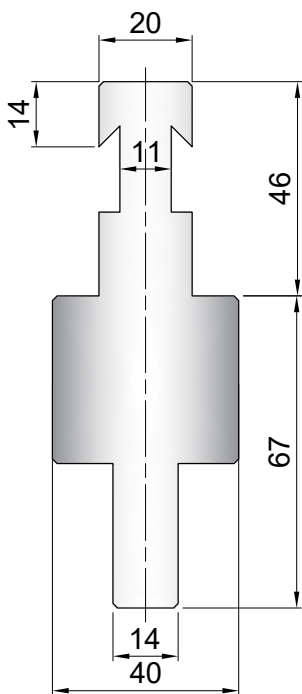
Weinbrenner

42.150 L:150 mm



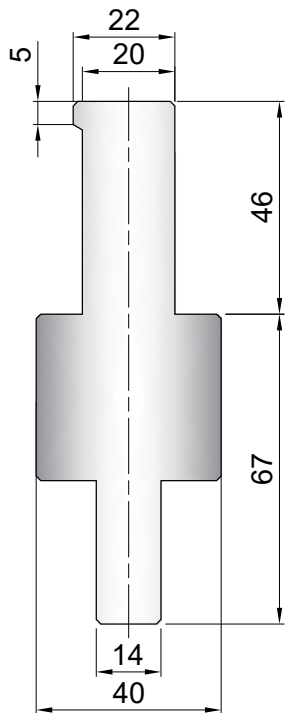
Beyeler - R

41.920 L:150 mm



Beyeler - S

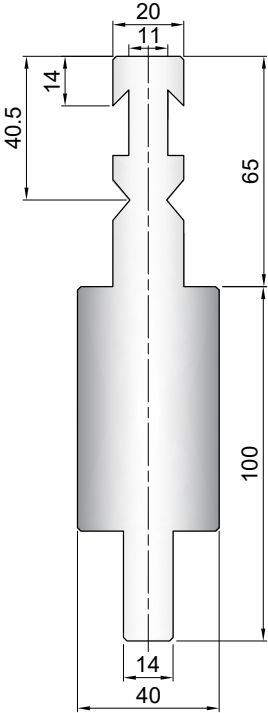
41.930 L:150 mm



Adapters

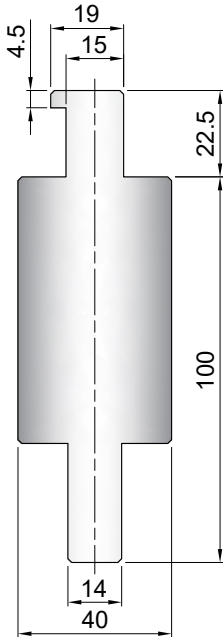
Beyeler - RFA

41.140	L:150 mm
--------	----------



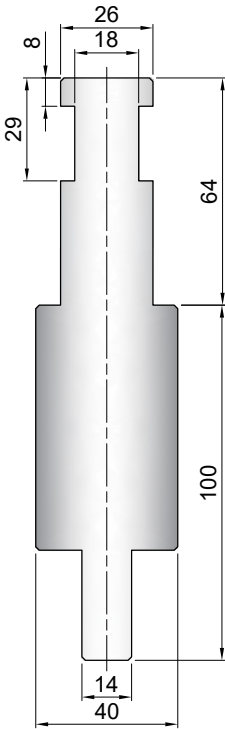
CBC

42.160	L:150 mm
--------	----------



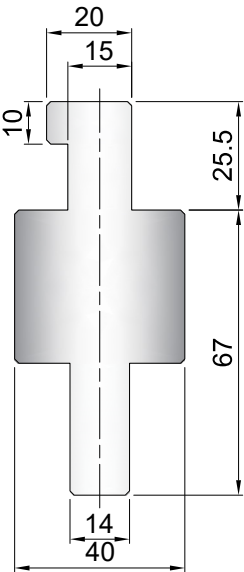
EHT

42.170	L:150 mm
--------	----------



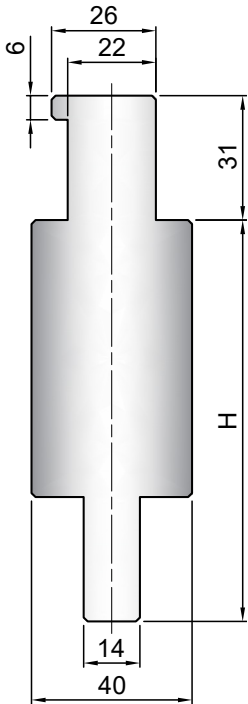
Durmazlar

42.180	L:150 mm
--------	----------



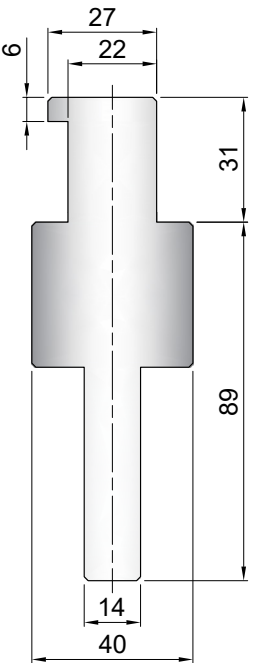
Darley

42.290	L:150 mm	H 100
42.731	L:150 mm	H 67



Baykal

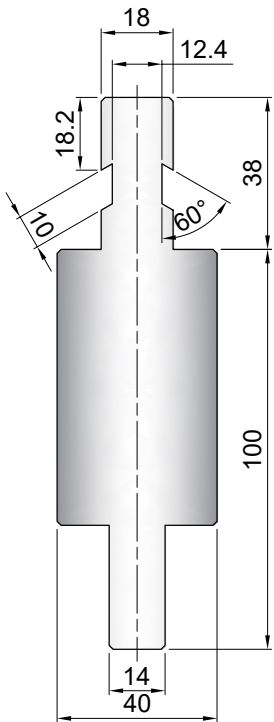
42.720	L:150 mm
--------	----------



Adapters

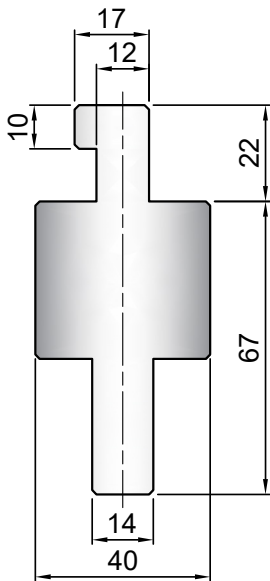
Colgar

42.730 L:150 mm



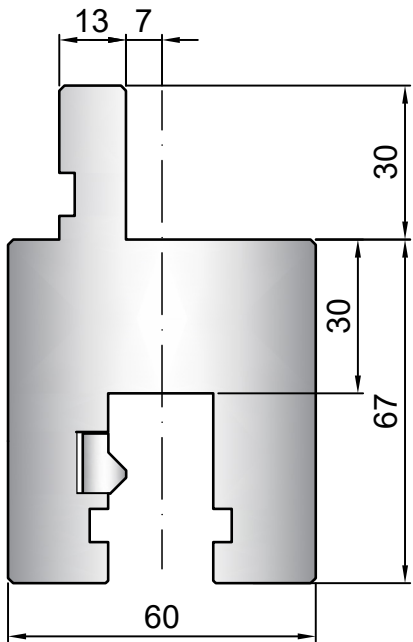
Haco

42.732 L:150 mm



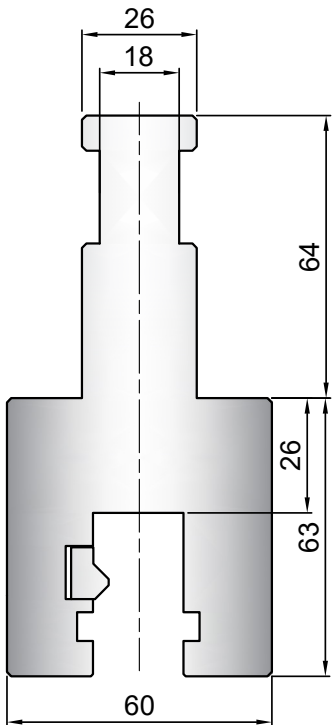
Amada → Wila /Trumpf

42.739 L:150 mm



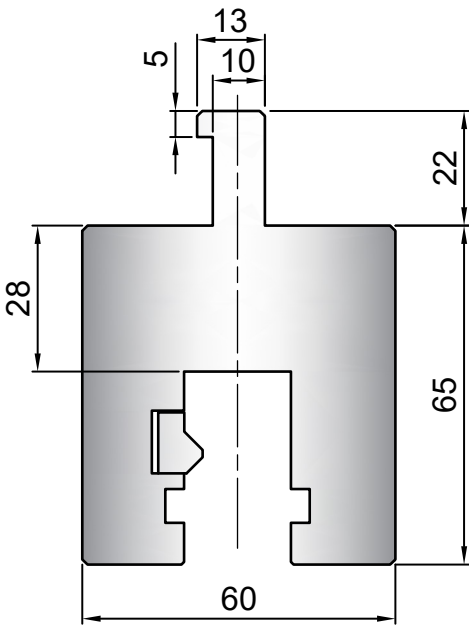
EHT → Wila /Trumpf

42.721 L:150 mm



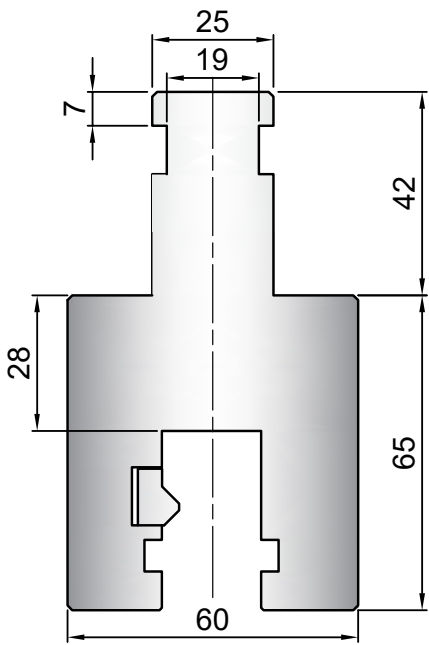
LVD → Wila /Trumpf

42.722 L:150 mm



Weinbrenner → Wila /Trumpf

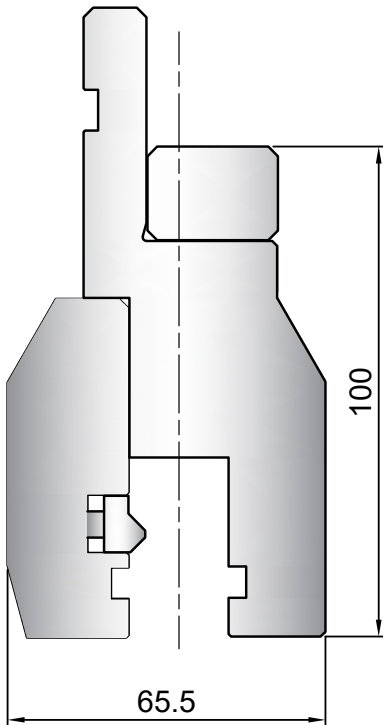
42.723 L:150 mm



Adapters

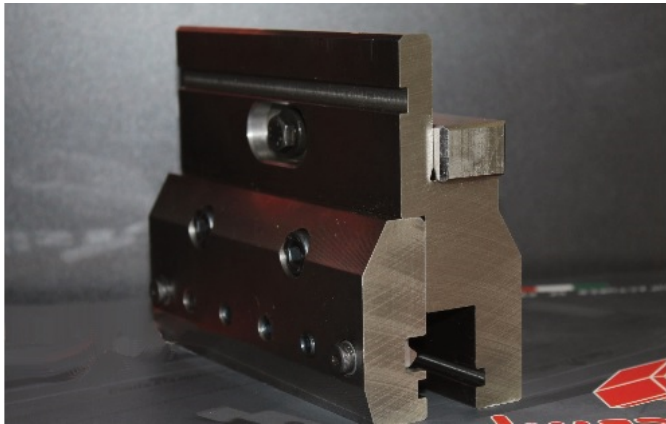
Amada → Wila /Trumpf

42.741 L:160 mm



Adapters with adjustable wedge

-mounted directly on the upper beam, compensates the deflection with the registration wedge help.



Fast tools changing

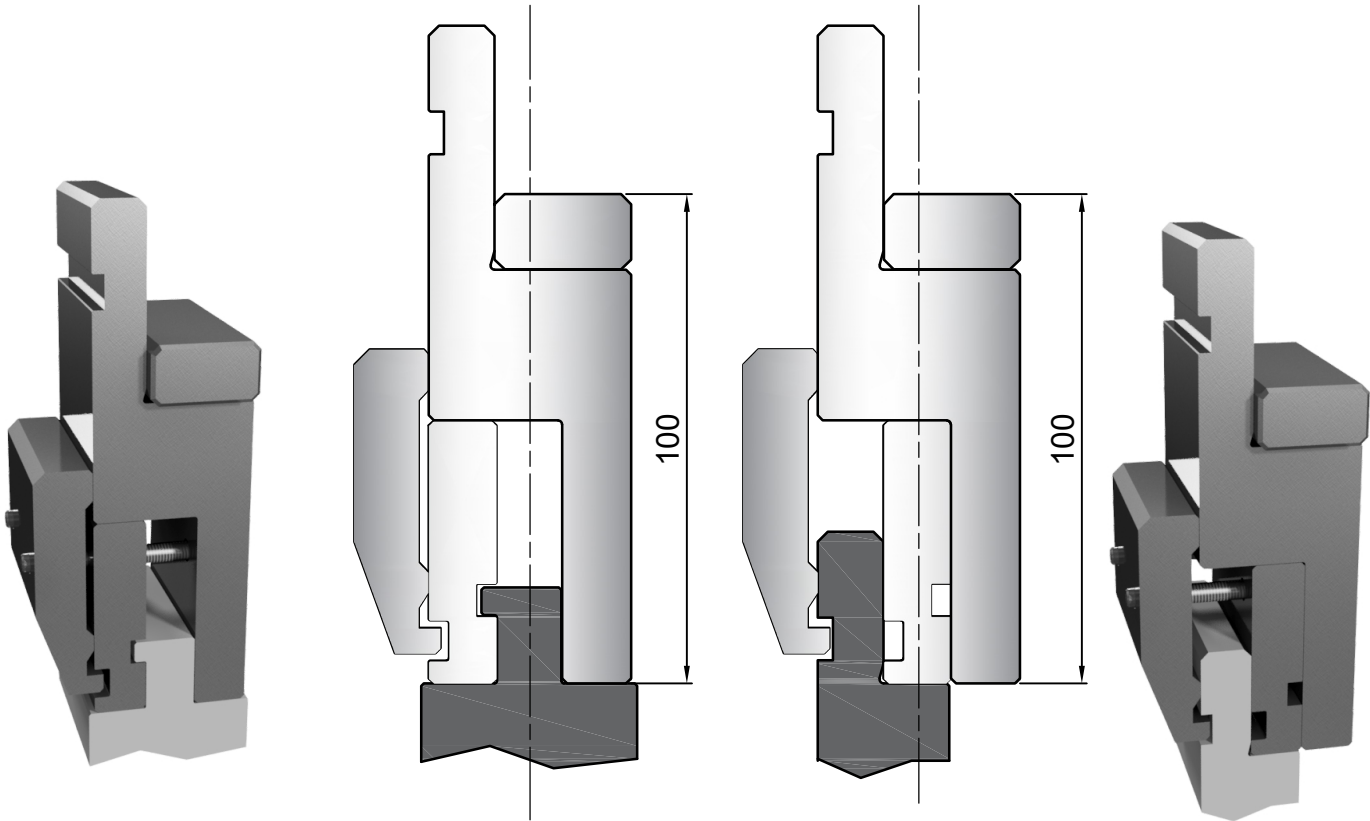
-front tool change with the help of "safety click" button.

Amada → American Style

42.260 L:150 mm



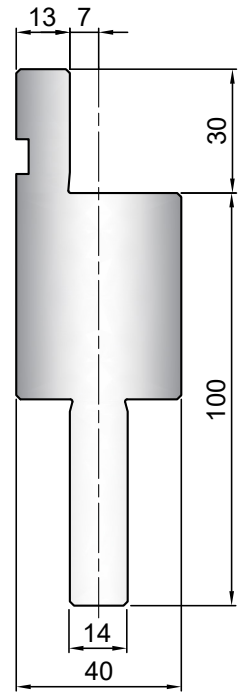
Move the element for another clamp



Extension

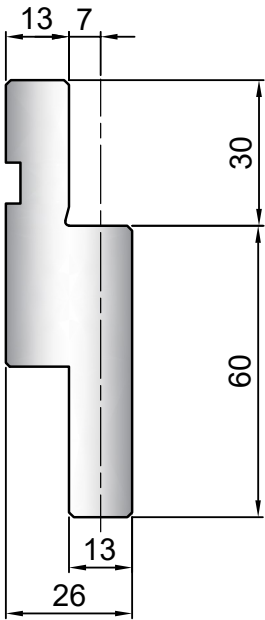
Amada-Promecam

42.733 L:150 mm



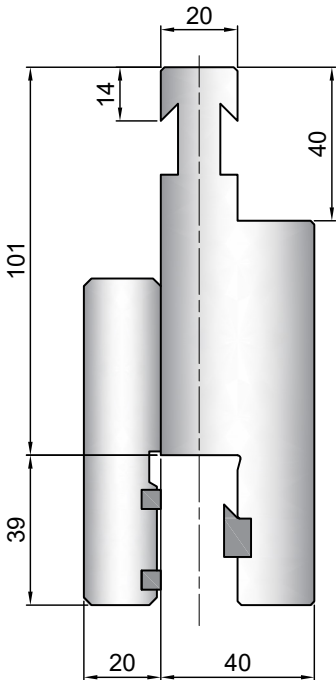
Amada-Promecam

42.734 L:150 mm



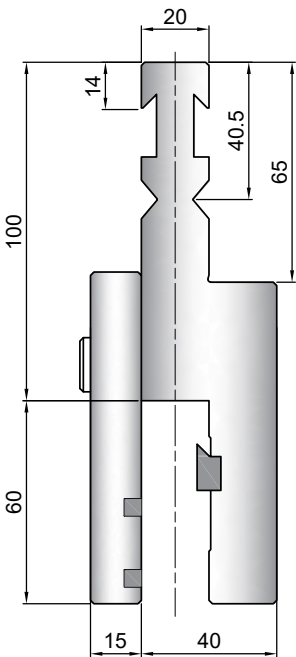
Beyeler - R

42.735 L:150 mm



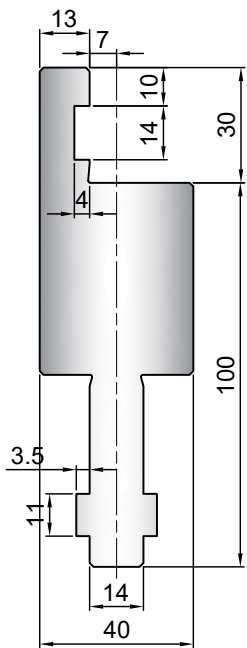
Beyeler - RFA

42.736 L:150 mm



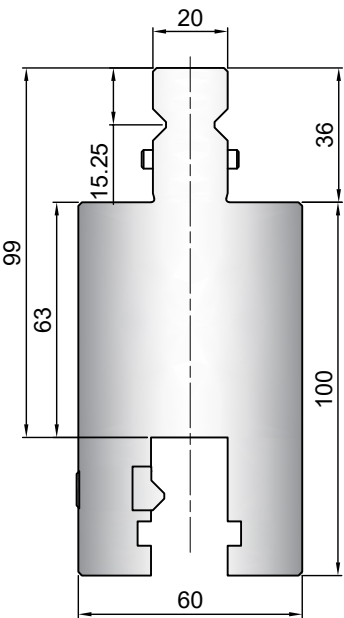
Beyeler

42.737 L:150 mm



Wila - Trumpf

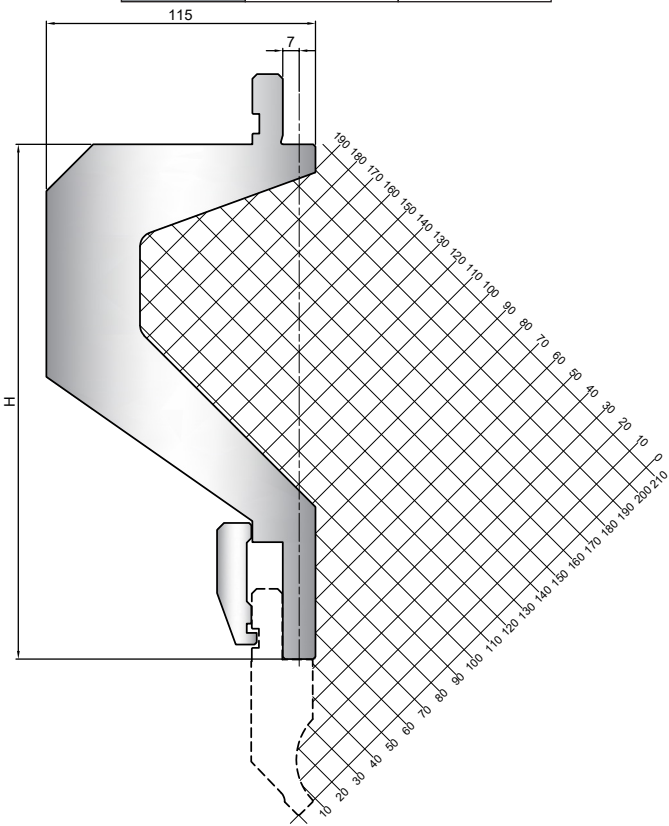
42.738 L:150 mm



Extension

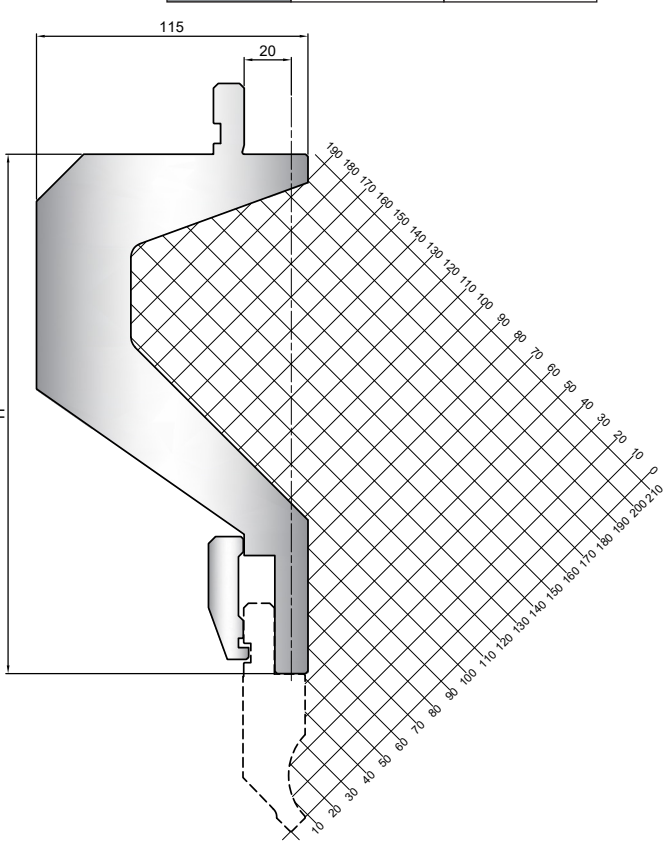
Amada - Promecam

42.270	H:220 mm	L:200 mm
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Amada - Promecam

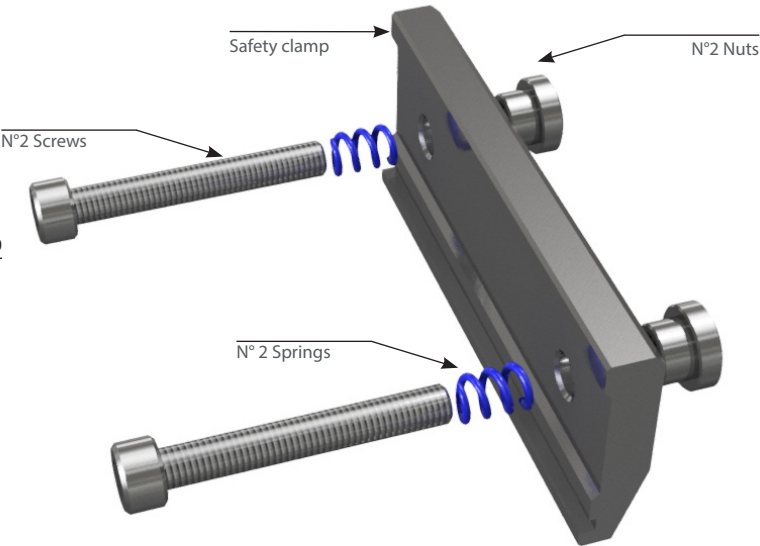
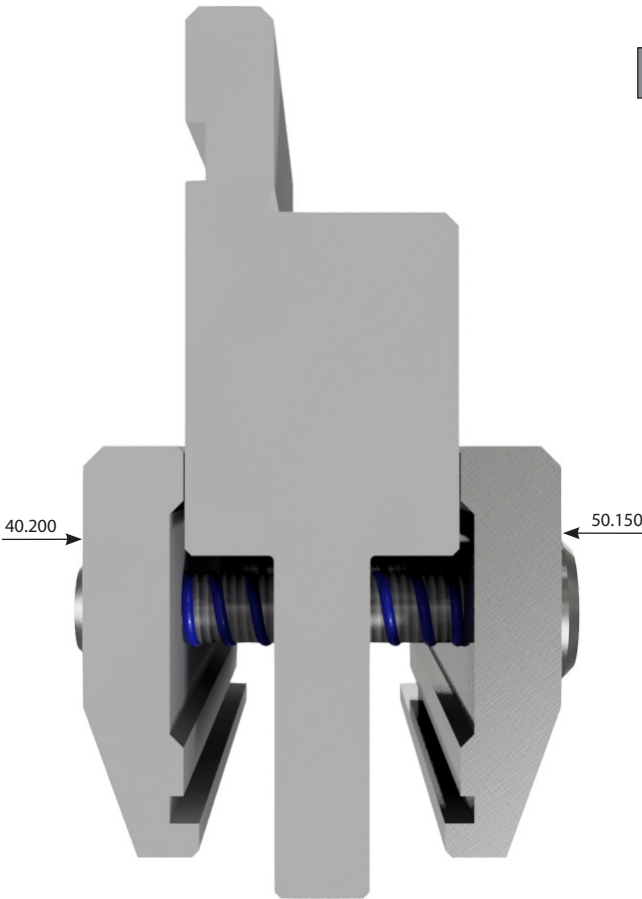
42.271	H:220 mm	L:200 mm
--------	----------	----------



50.150	L:150 mm
--------	----------



Kit double clamping

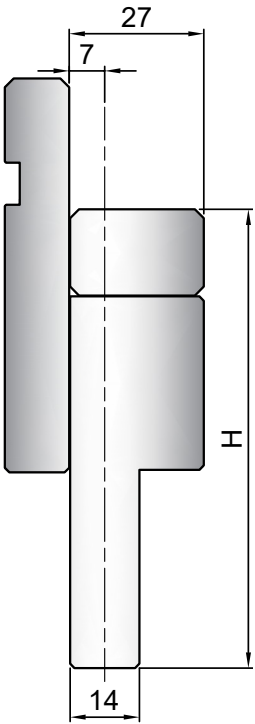


Intermediates

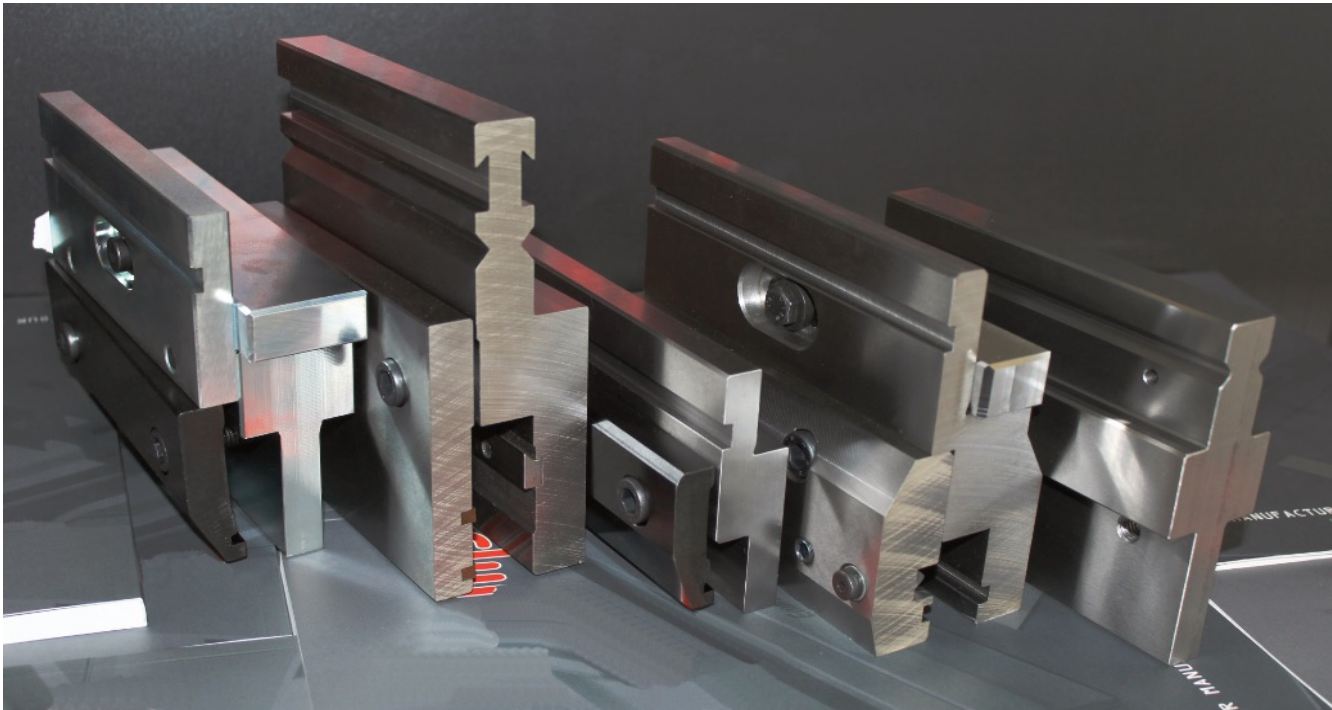
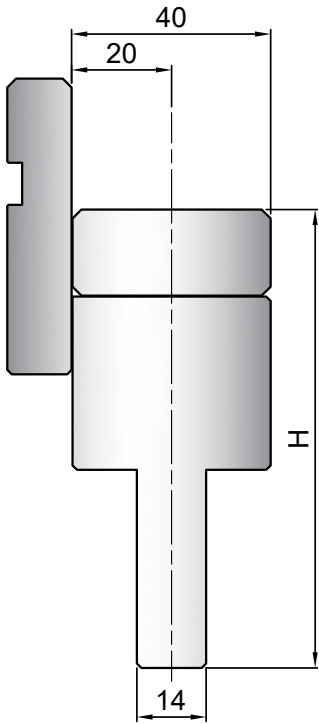


Intermediates with registration wedge

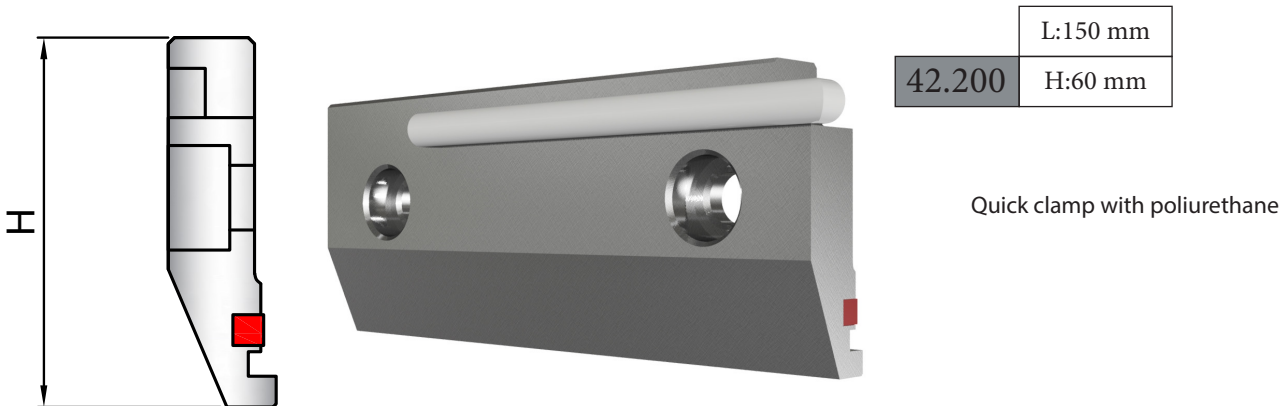
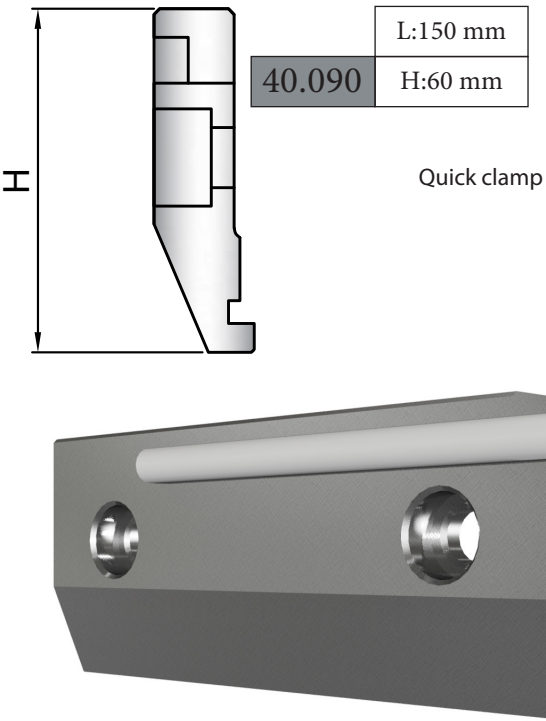
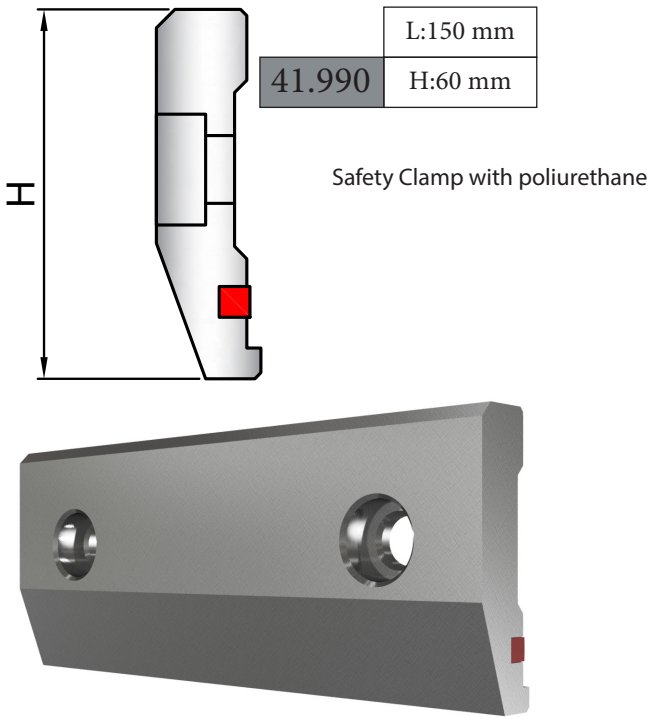
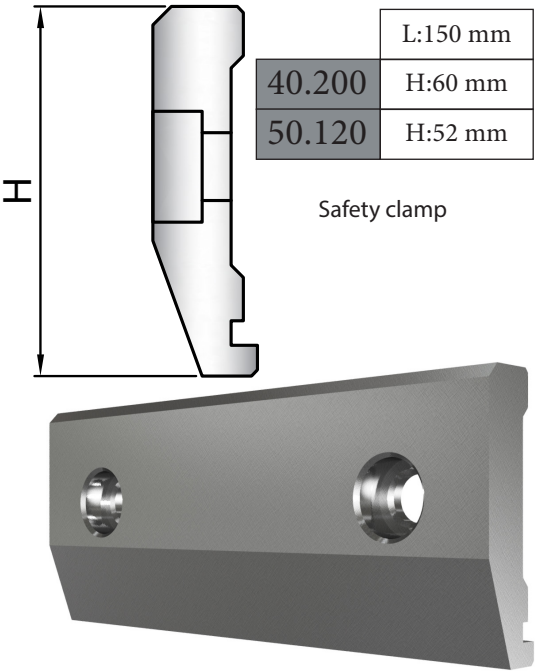
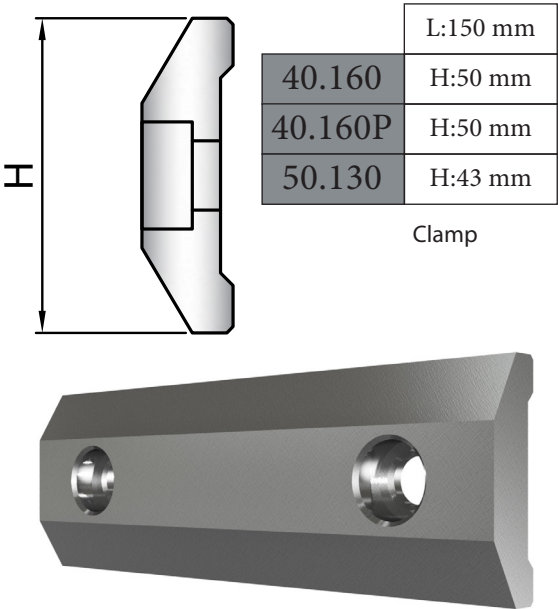
	L:150 mm
42.210	H:100 mm
42.220	H:120 mm
42.230	H:150 mm



	L:150 mm
42.240	H:100 mm
42.250	H:120 mm



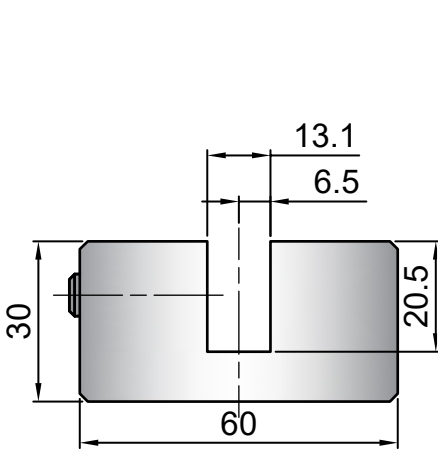
Clamps



Lower adapters

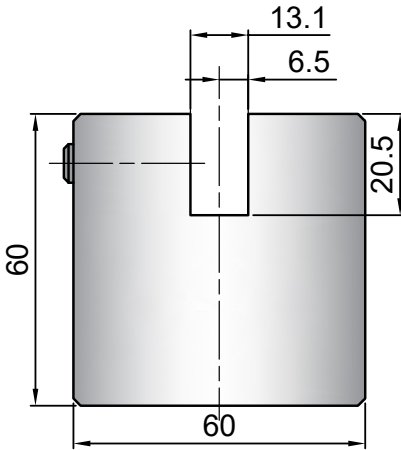
Amada → Beyeler / Trumpf

43.010	L: 1000 mm
	L: 500 mm



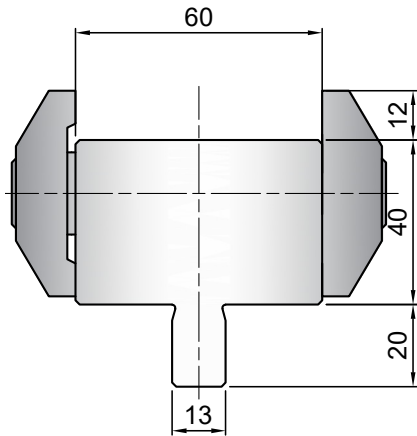
Amada → Beyeler / Trumpf

43.020	L: 1000 mm
	L: 500 mm



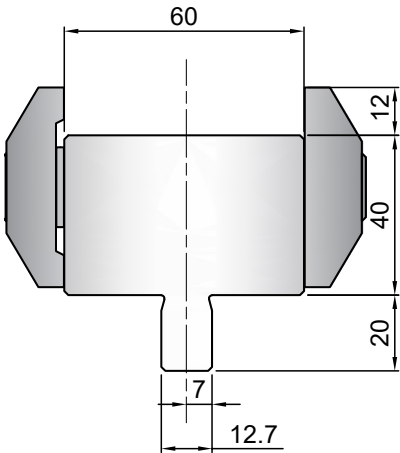
Beyeler / Trumpf → Amada

43.030	L: 835 mm
	L: 415 mm



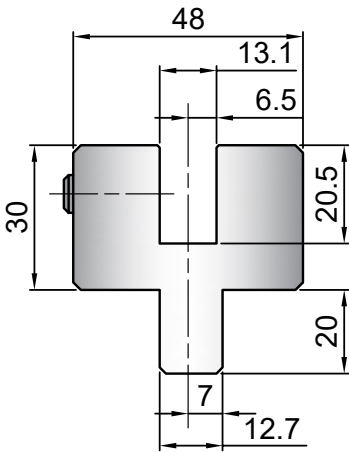
LVD → Amada

43.040	L: 835 mm
	L: 415 mm



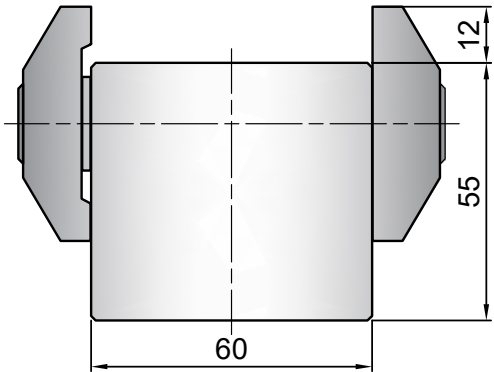
LVD → Beyeler / Trumpf

43.050	L: 1000 mm
	L: 500 mm



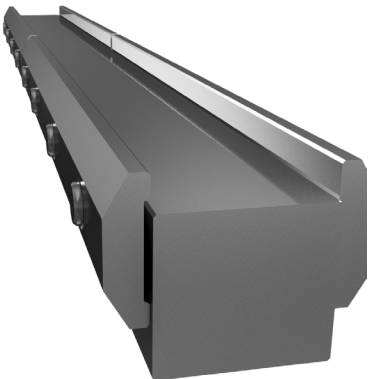
Amada

40.330	L: 835 mm	L: 415 mm
40.500	L: 835 mm	L: 415 mm



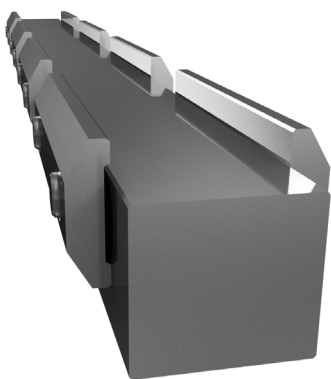
40.500
L: 835 mm

Tot. 4 Clamps



40.330
L: 835 mm

Tot. 8 Clamps

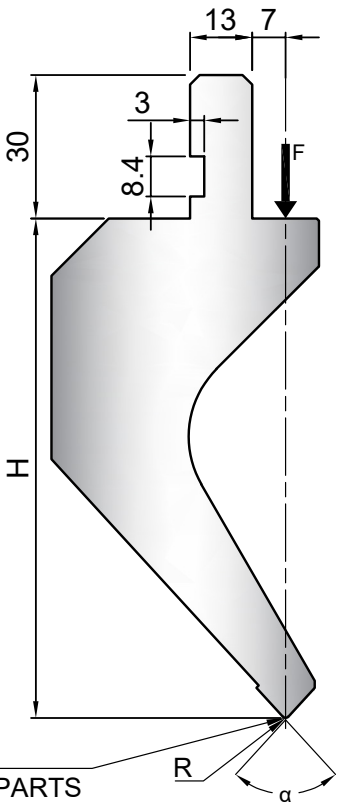
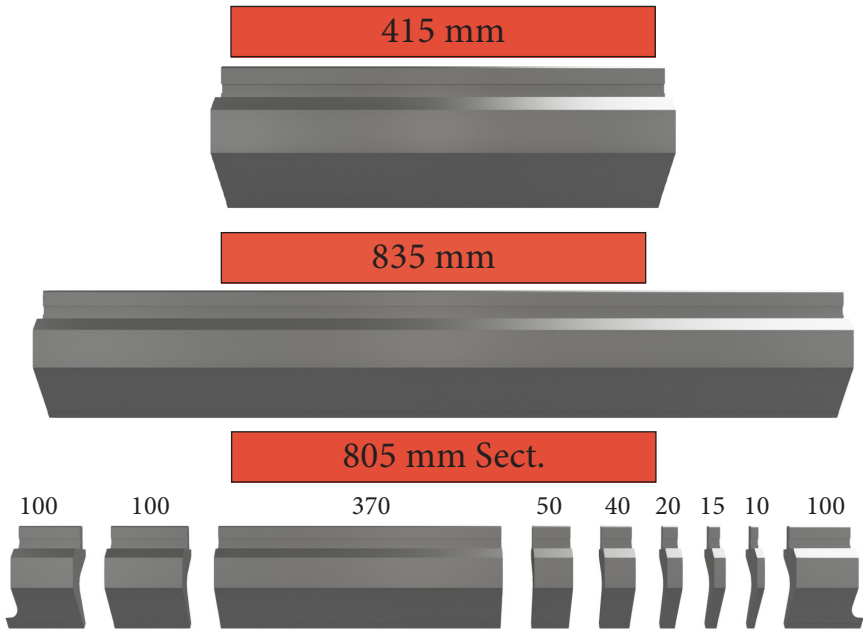


Amada - Promecam

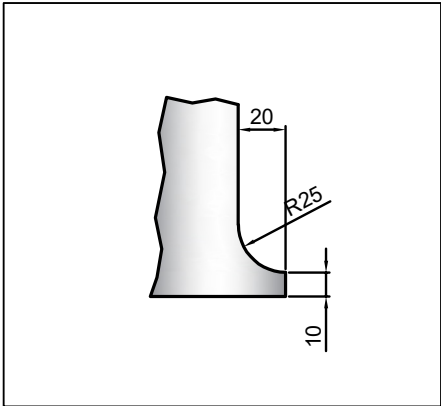


Punches are available in the following standard lengths: 415 mm - 835 mm - 805 mm sectioned

Description
H = Height
α = Degree
R = Radius

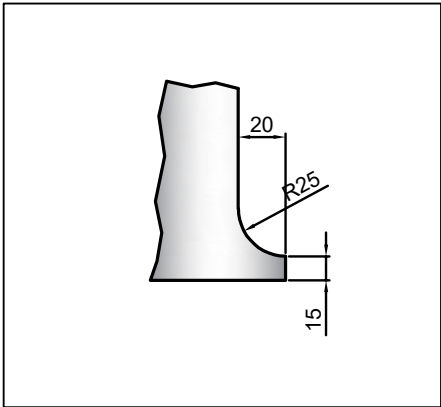


Horns



Punches

10.260	10.160	11.740	10.810
10.270	10.170	11.730	10.830
10.100	10.180	10.600	12.690
10.110	11.720	10.610	10.840
10.120	12.670	10.620	12.700
10.640	12.680	11.630	10.306
10.650	10.480	11.910	10.305
11.770	10.490	11.620	11.750
12.600	12.630	12.710	11.760
10.101	12.640	10.300	11.900
10.130	10.280	10.310	12.910
10.140	10.290	10.630	13.010
10.150	12.610	12.810	10.530
12.650	12.620	10.820	10.540
12.660	12.720	10.800	

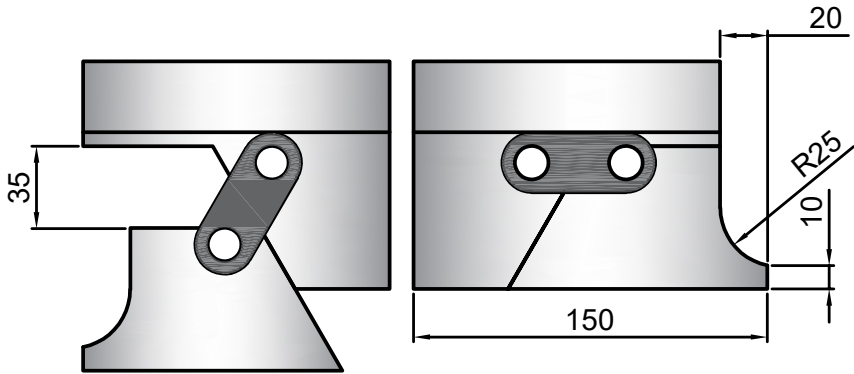


10.320	11.780
10.190	11.920
10.200	12.830
10.570	12.930
10.350	12.840
10.470	12.920
12.820	10.301
10.860	10.302
10.240	10.303
10.250	10.304
10.560	10.330
11.930	10.340
10.520	12.890
10.550	11.940

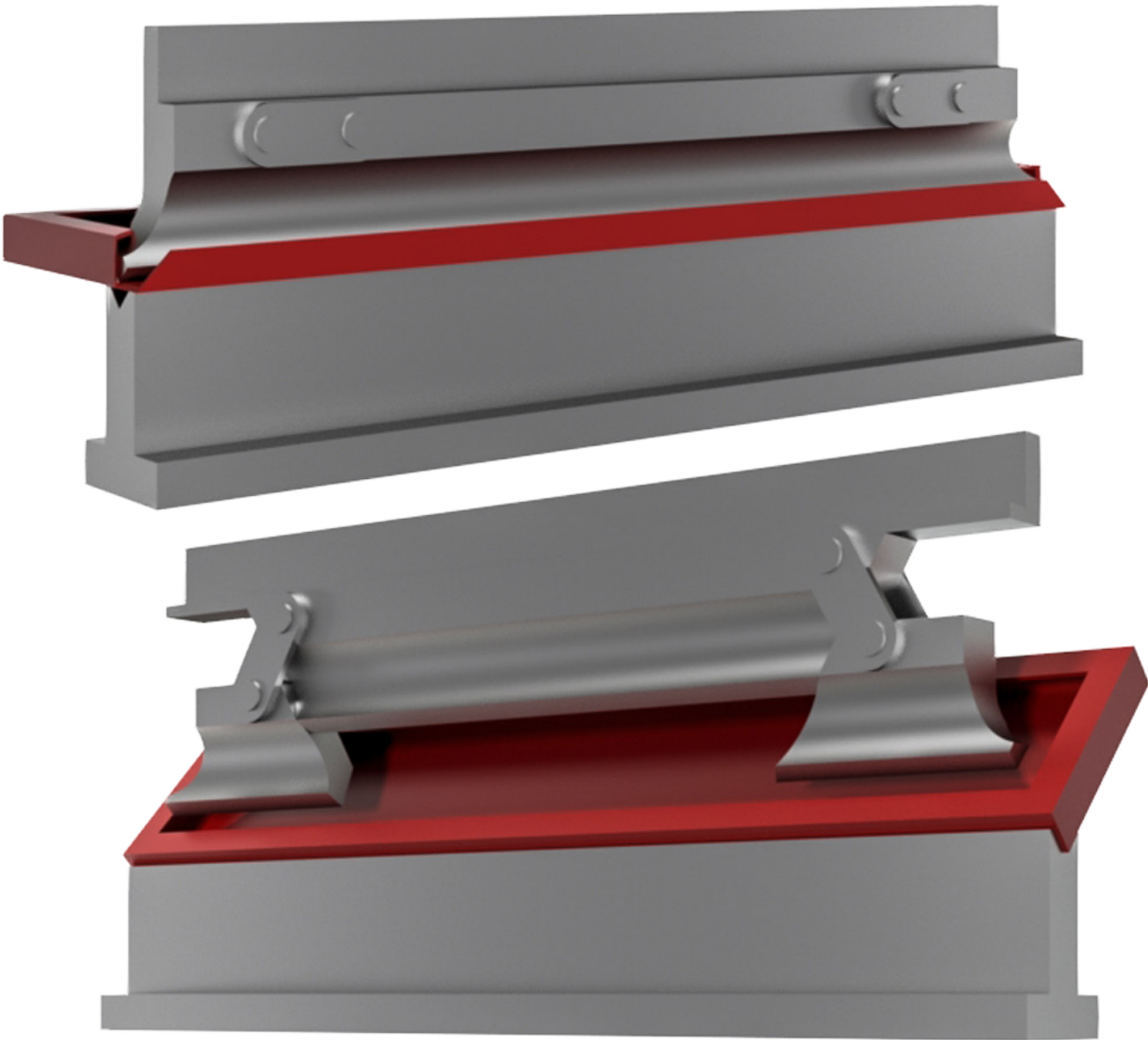
Punches



Moving Horns for coupling with listed models



Code moving horns	Code punch
10.100S	10.100
10.110S	10.110
10.640S	10.640
10.650S	10.650



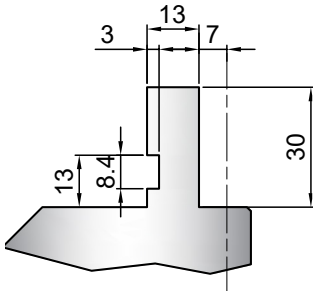
Punches



SAFETY GROOVES

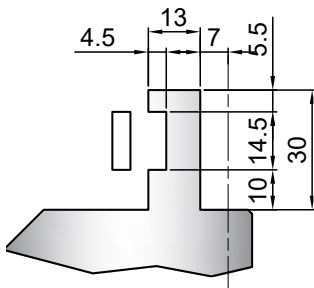
80.120

STANDARD GROOVE

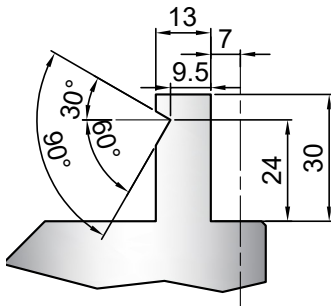


GROOVES ON REQUEST

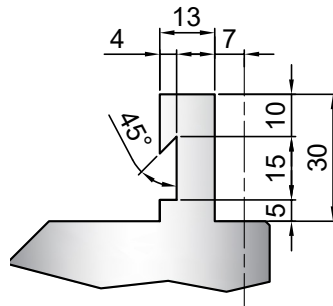
80.100



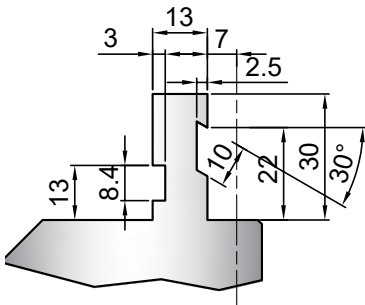
80.110



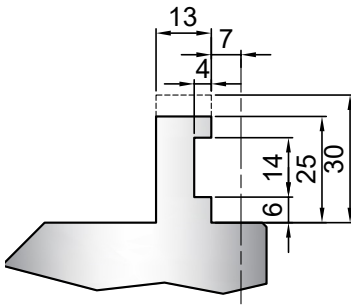
80.130



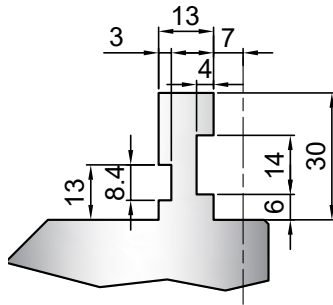
80.140



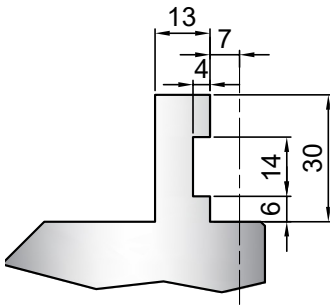
80.160



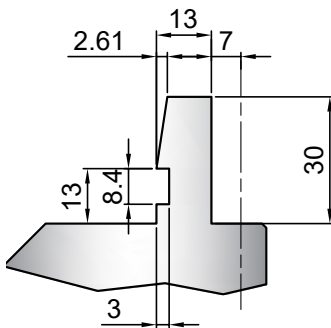
80.170



80.180

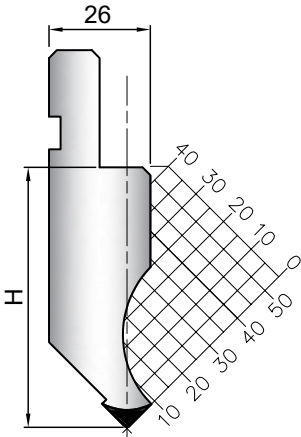


80.200



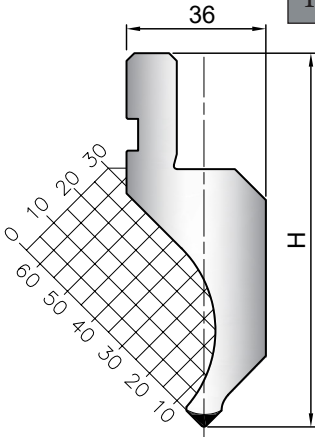
Punches

90° - 88° - 85° - 75°



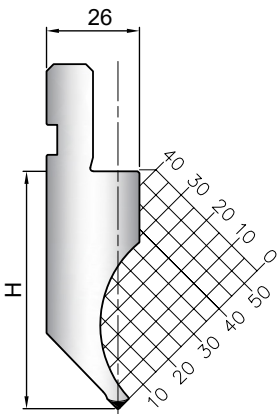
Steel: C45

Cod.	α	R	H	T/mt
10.100	90°	0.80	66.65	100
10.110	88°	0.80	66.65	100
10.120	88°	3.00	65.50	100
10.640	90°	0.25	66.60	100
10.650	88°	0.25	66.60	100
11.770	85°	3.00	65.50	100
12.600	85°	0.80	66.60	100
10.101	85°	0.25	66.50	100
10.111	75°	0.80	67.00	70



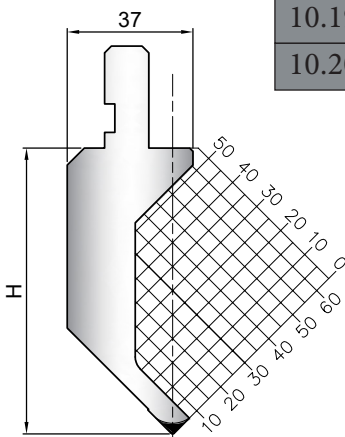
Steel: C45

Cod.	α	R	H	T/mt
10.800	90°	0.80	66.65	60
10.810	88°	0.80	66.65	60



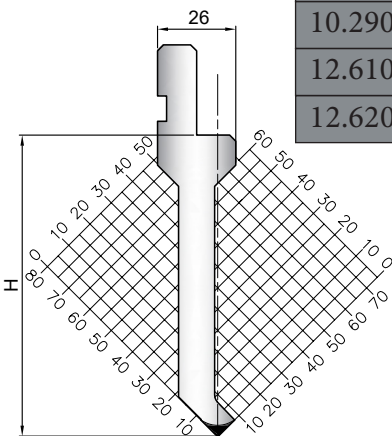
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
10.480	90°	0.60	66.40	35
10.490	88°	0.60	66.40	35
12.630	90°	0.25	65.35	35
12.640	88°	0.25	66.35	35
10.491	85°	0.65	66.40	35



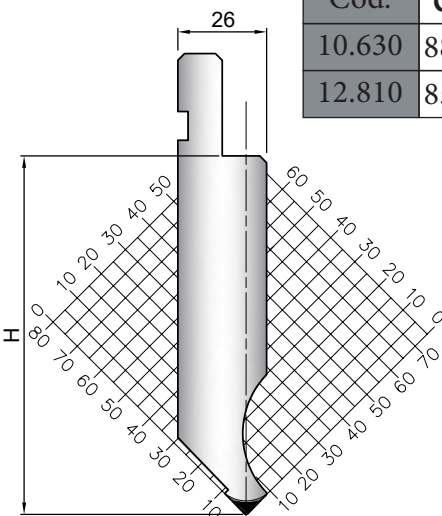
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
10.190	90°	0.60	84.15	20
10.200	88°	0.60	84.18	20



Steel: C45

Cod.	α	R	H	T/mt
10.280	90°	0.60	99.40	50
10.290	88°	0.60	99.40	50
12.610	90°	0.25	99.35	50
12.620	88°	0.25	99.35	50

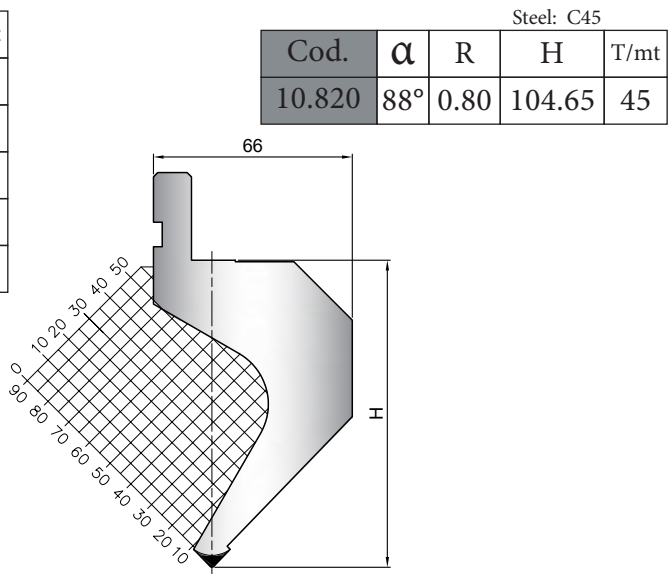
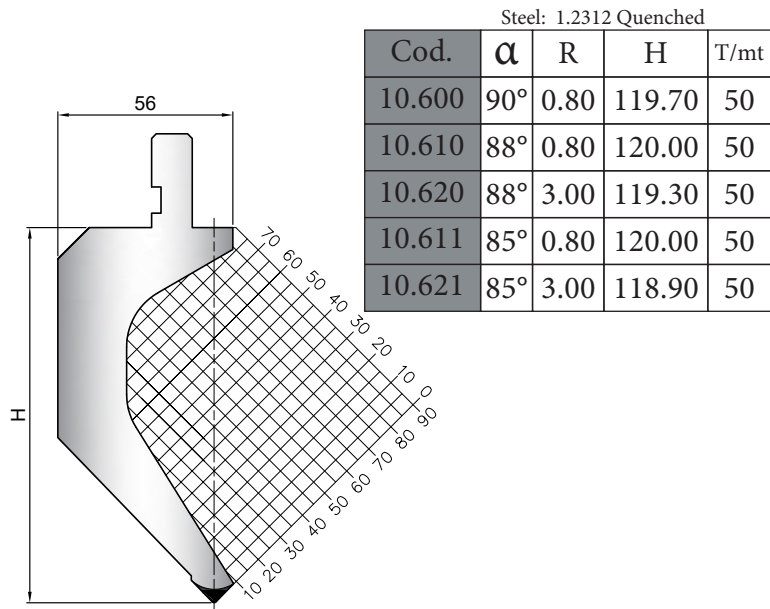
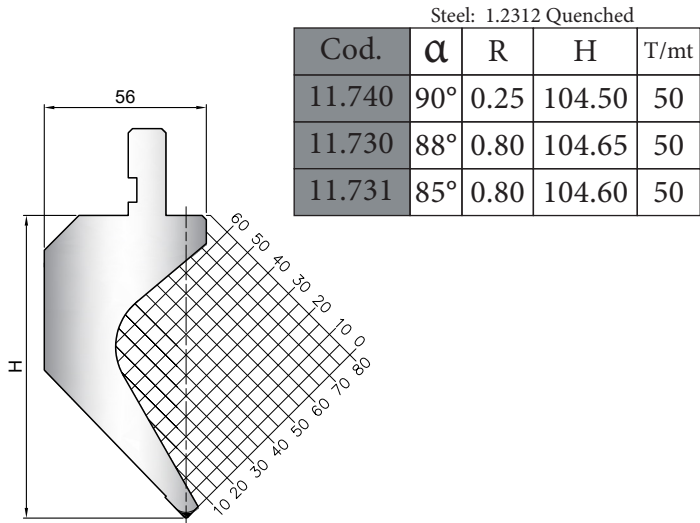
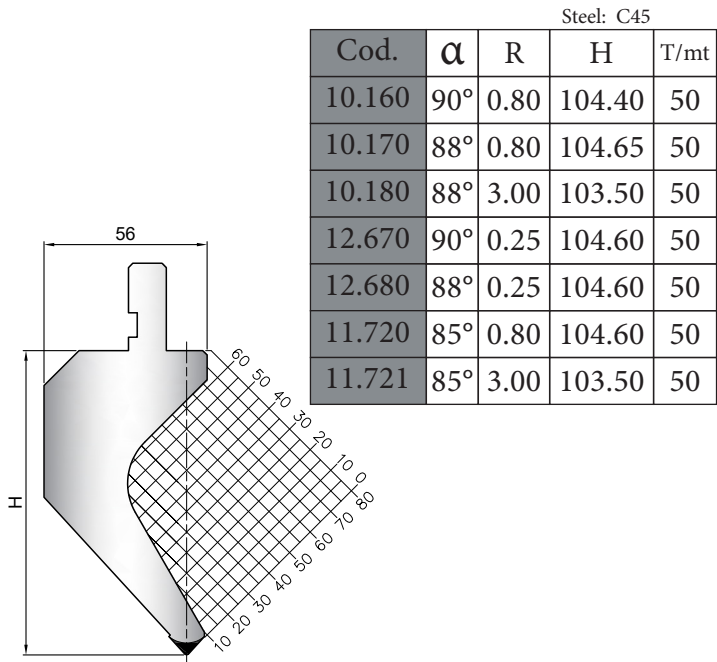
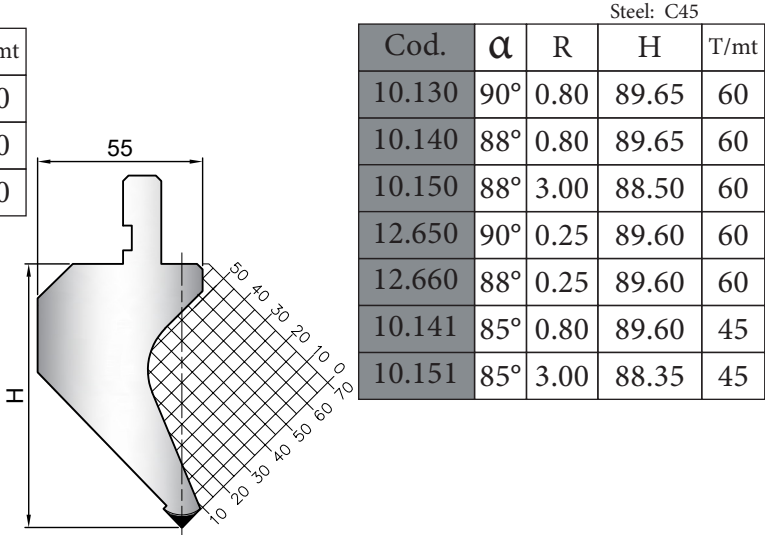
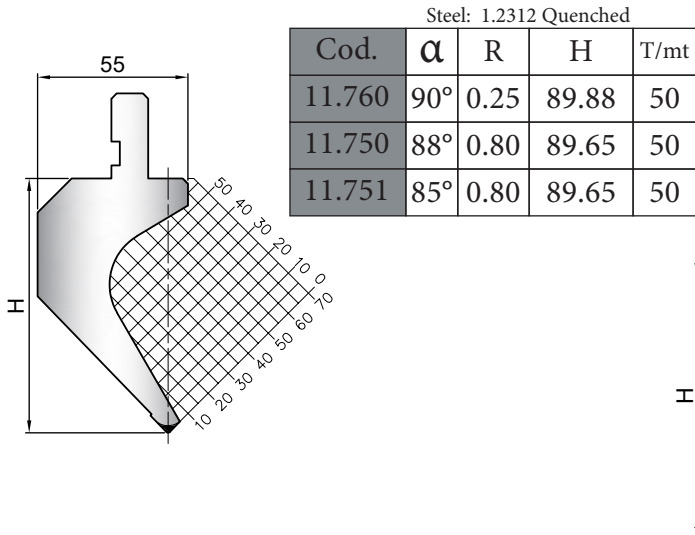


Steel: C45

Cod.	α	R	H	T/mt
10.630	88°	0.80	104.65	100
12.810	85°	0.80	104.65	100

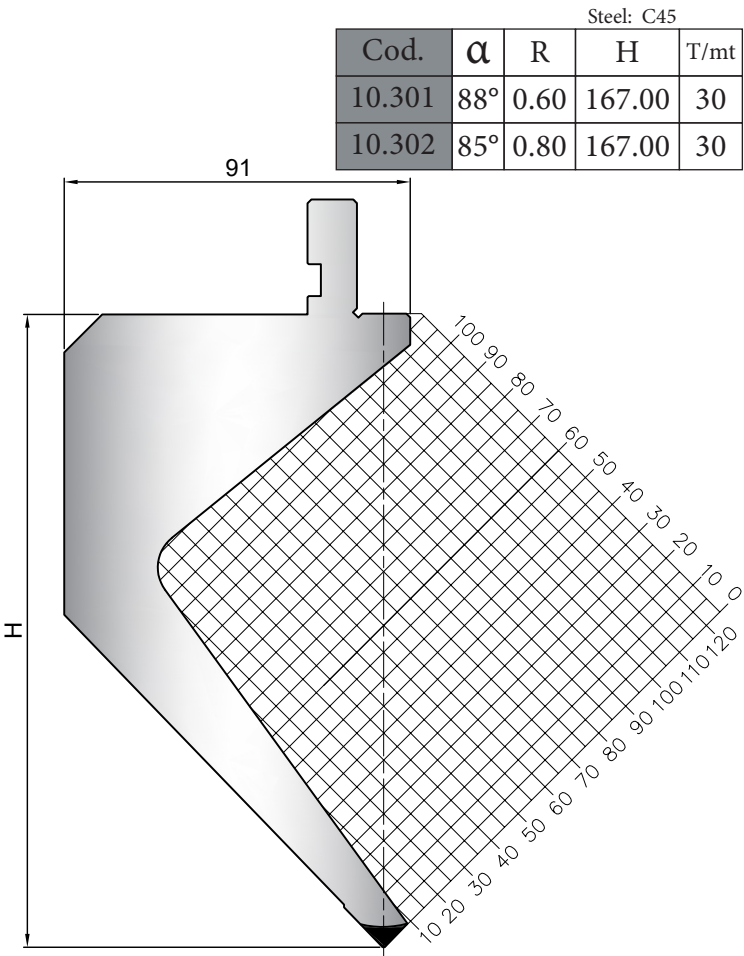
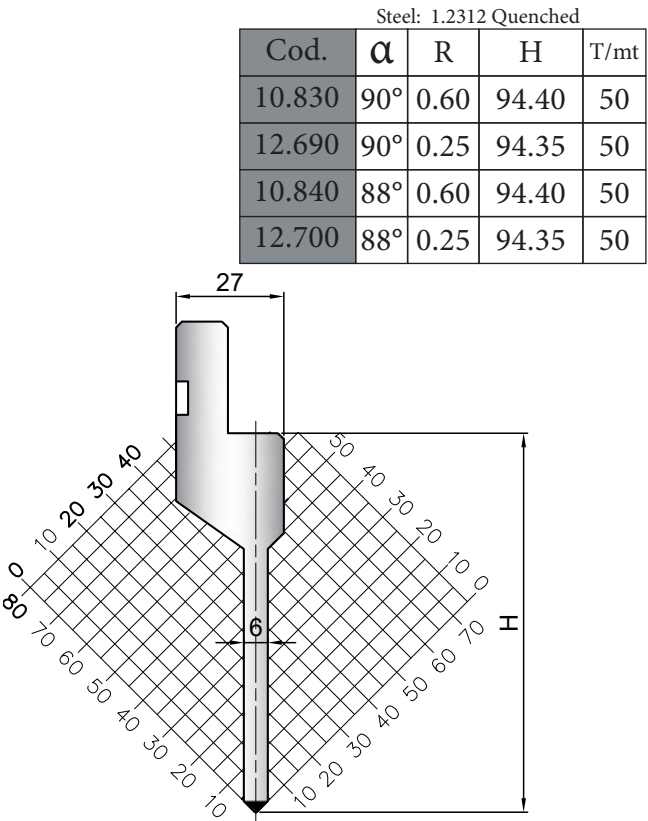
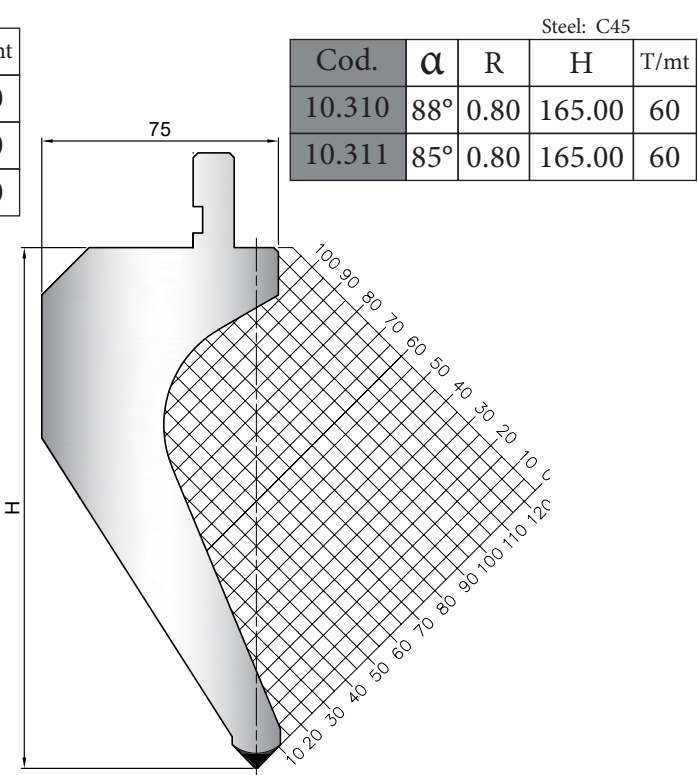
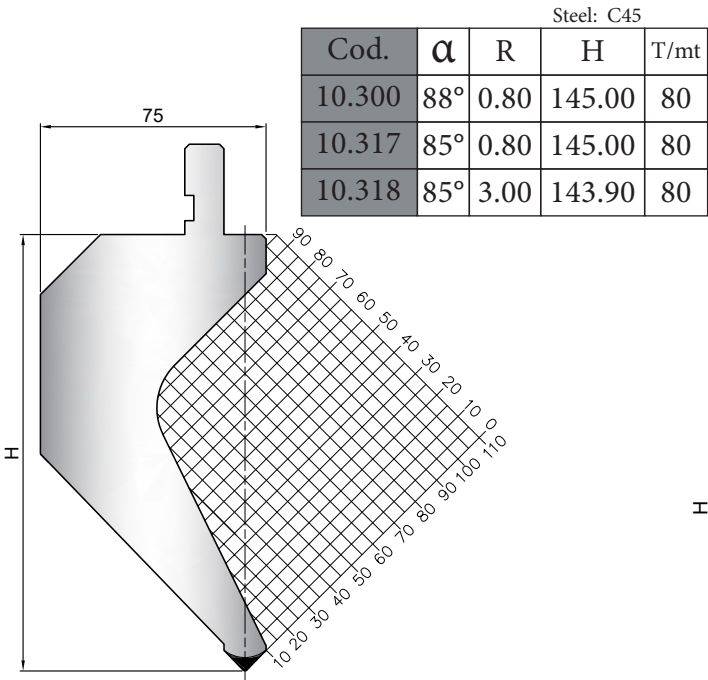
Punches

90° - 88° - 85°

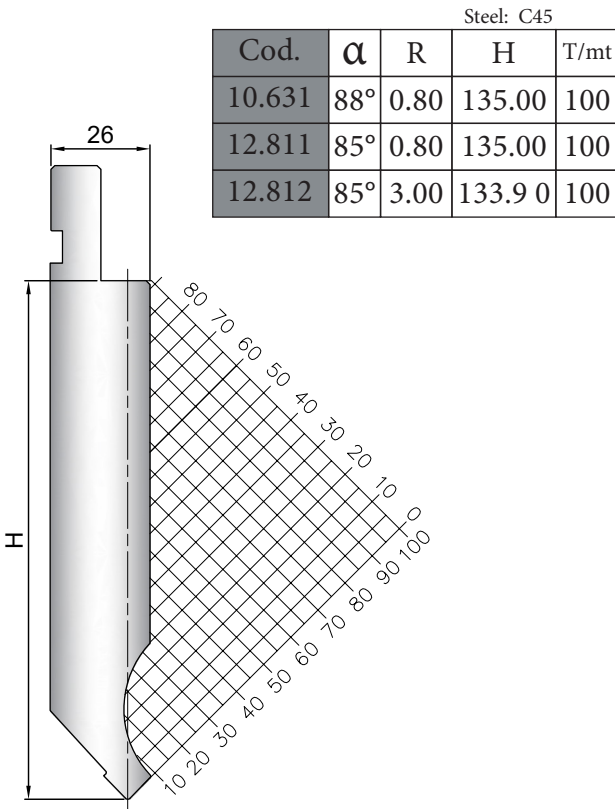
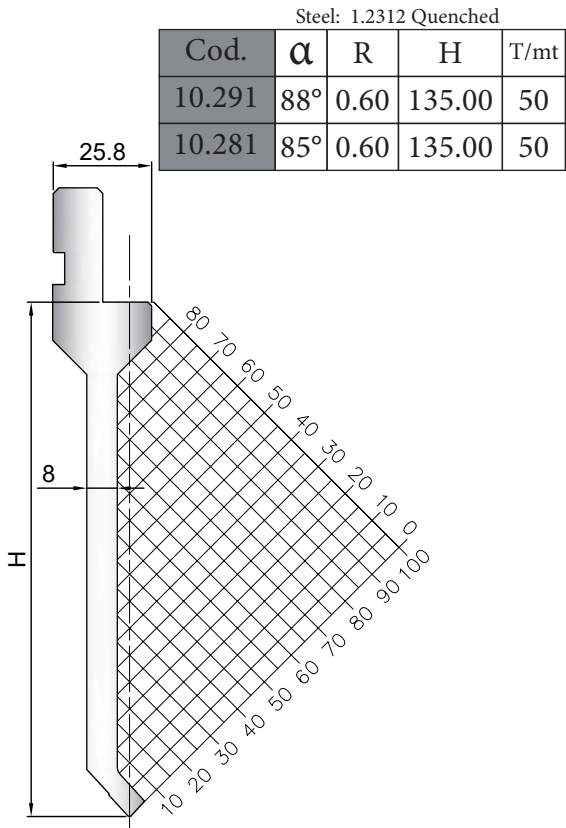
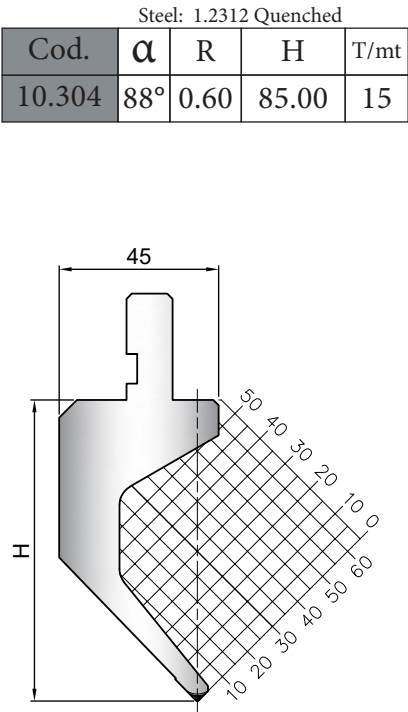
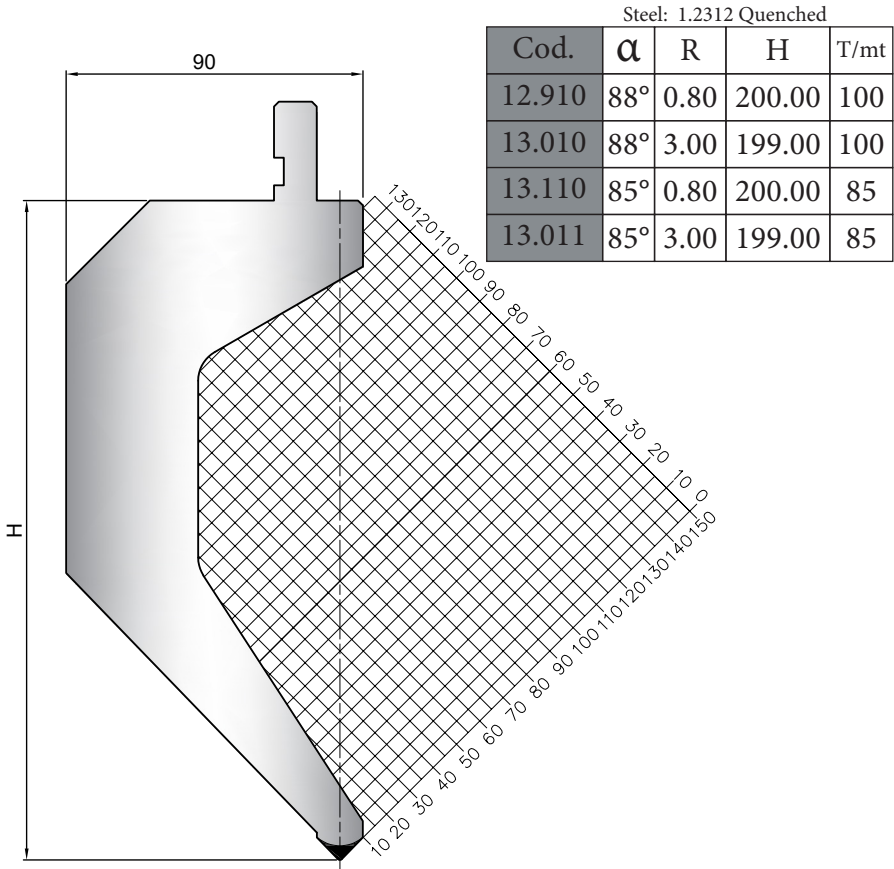


Punches

90° - 88° - 85°

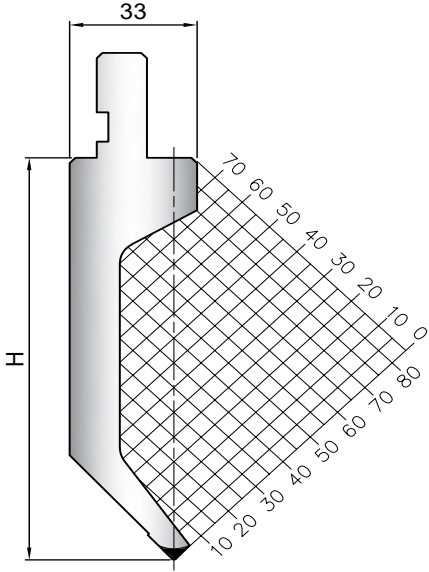


Punches

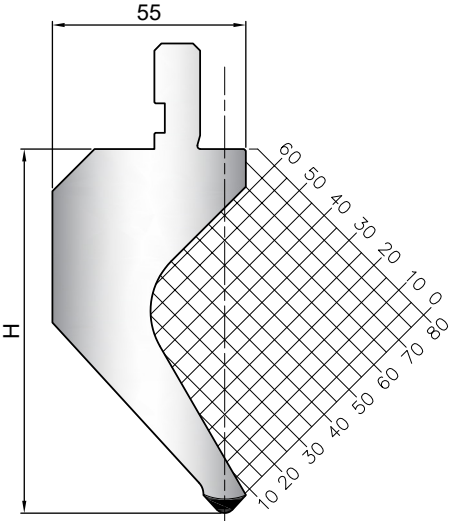


Punches

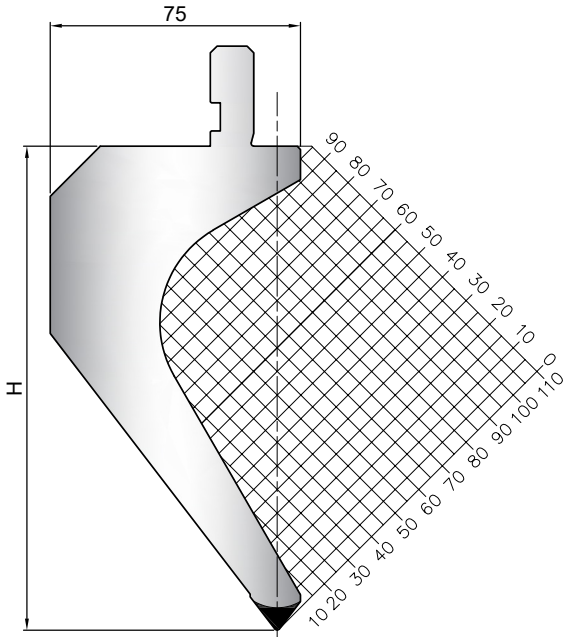
Steel: 1.2312 Quenched				
Cod.	α	R	H	T/mt
10.303	85°	0.60	115.00	20



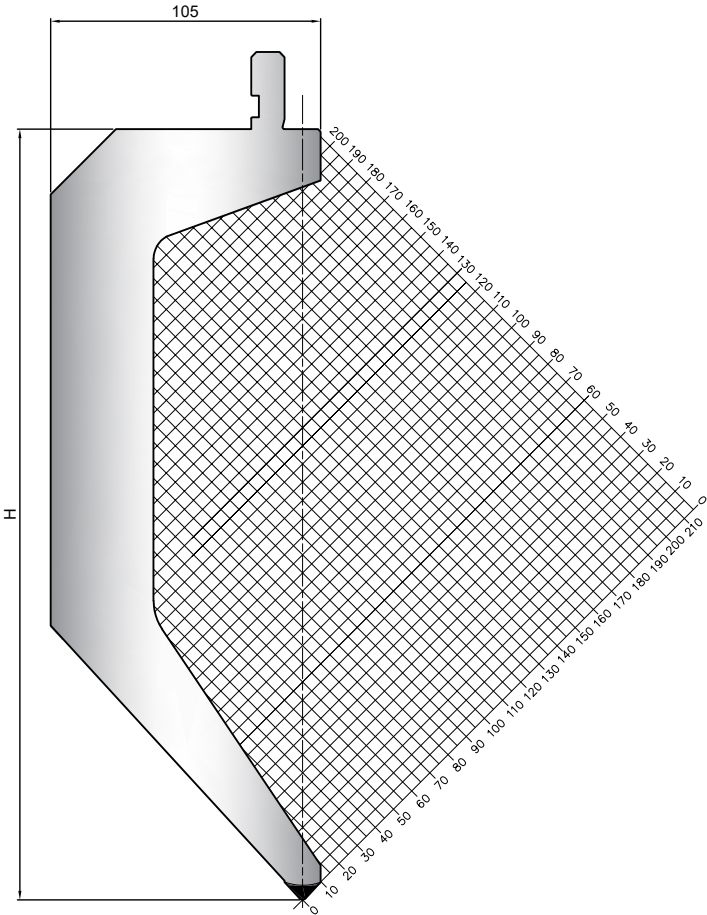
Steel: C45				
Cod.	α	R	H	T/mt
10.181	85°	3.00	103.50	50



Steel: C45				
Cod.	α	R	H	T/mt
10.312	75°	0.80	145.00	80



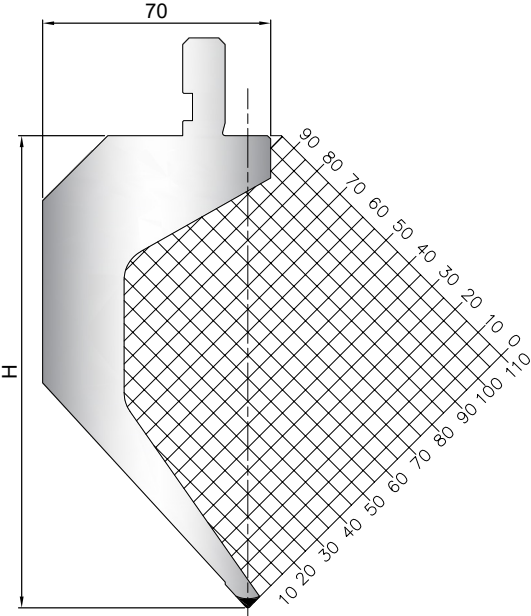
Steel: 1.2312 Quenched				
Cod.	α	R	H	T/mt
10.307	85°	1.50	300.00	100



Punches

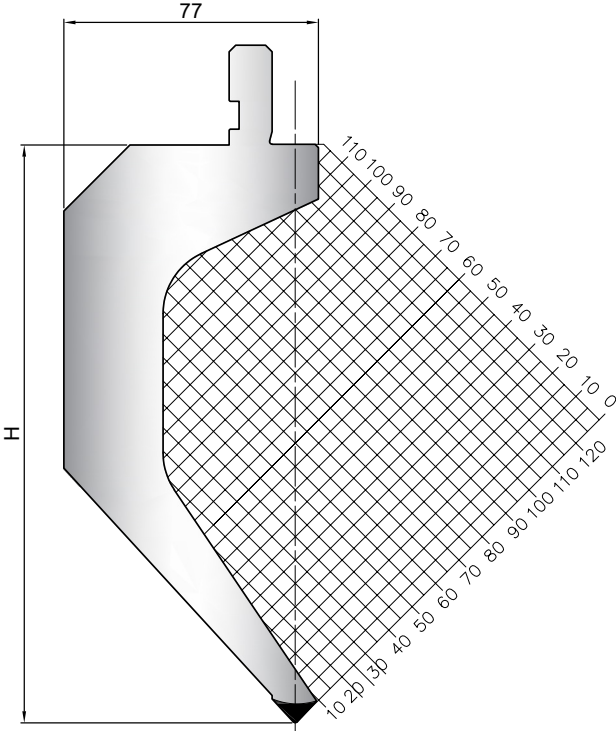
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
10.366	85°	0.80	145.00	35



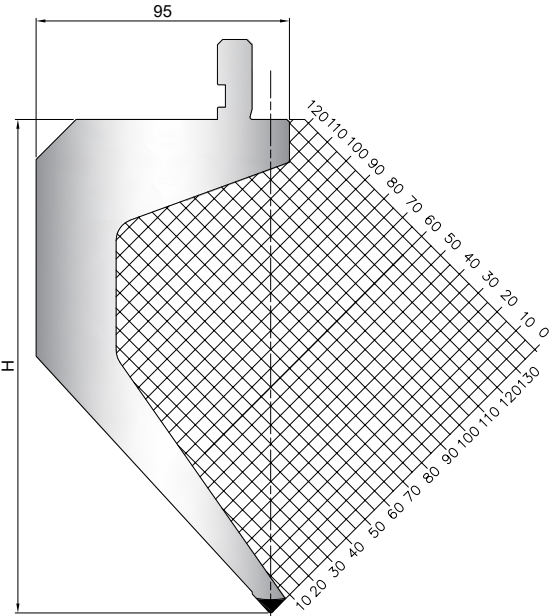
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.150	85°	0.80	175.00	70



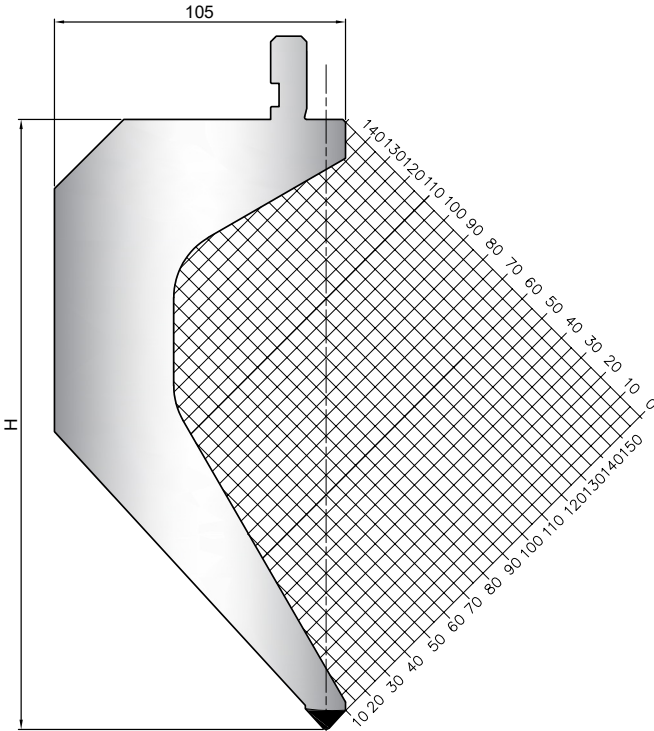
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.960	85°	1.00	185.00	40



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.111	85°	1.50	220.00	85

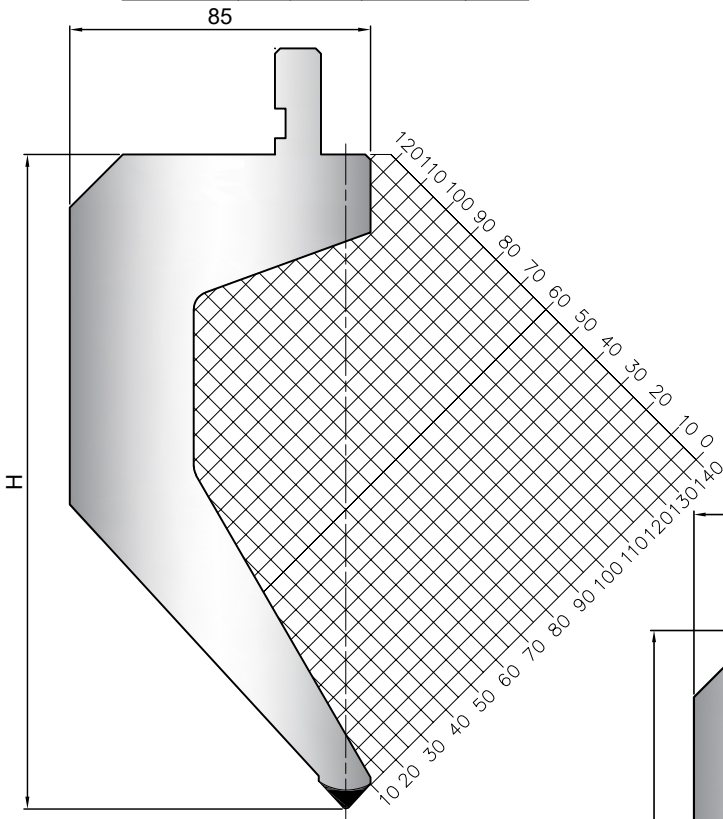


500 mm sectioning is shown on the next page

Punches

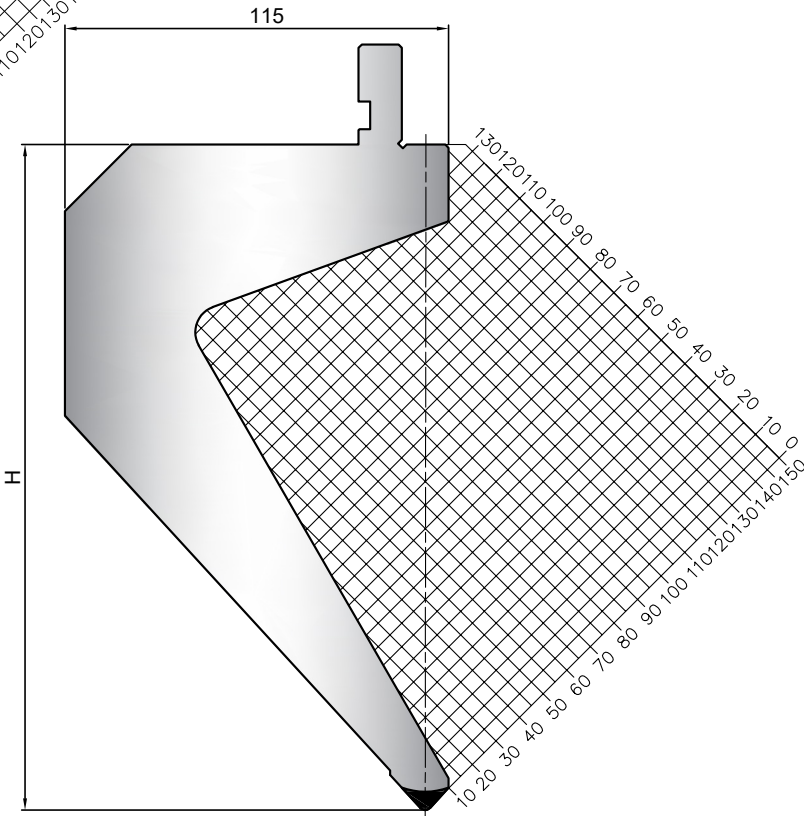
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
10.305	85°	1.00	185.00	60

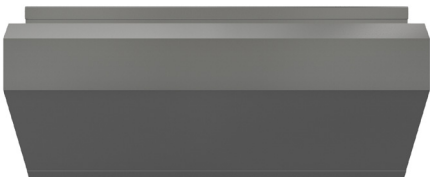


Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
10.306	85°	1.00	200.00	70



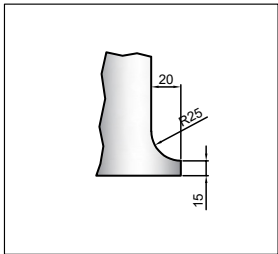
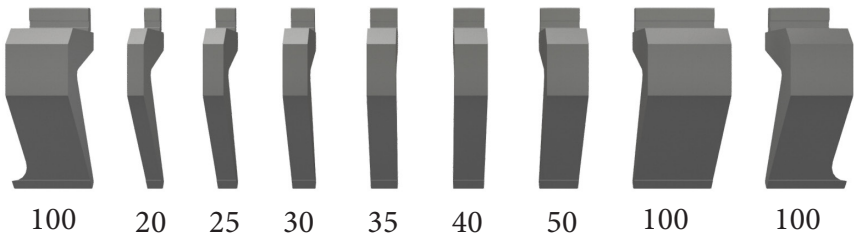
505 mm



500 mm Sect.



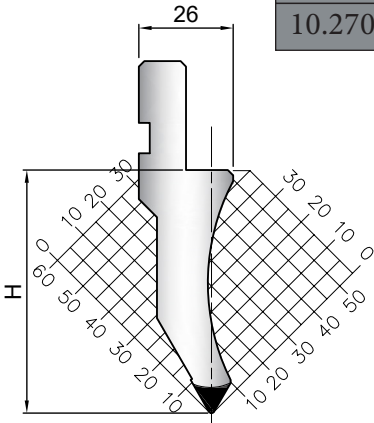
Horns scheme standard sectioning



Punches

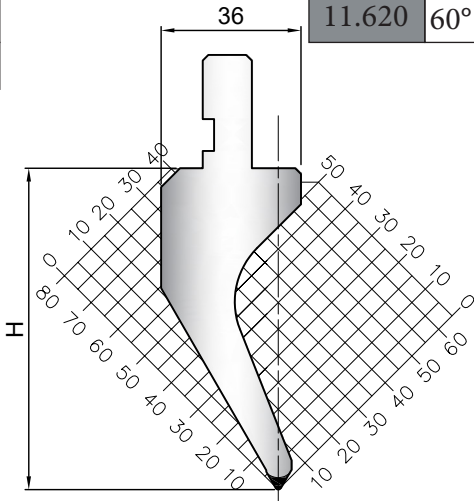
Steel: C45

Cod.	α	R	H	T/mt
10.260	60°	0.80	67.00	80
10.270	60°	2.00	67.00	80



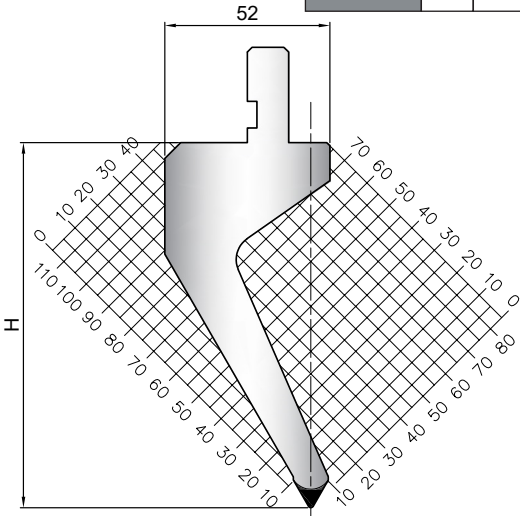
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
11.620	60°	0.80	85.00	40



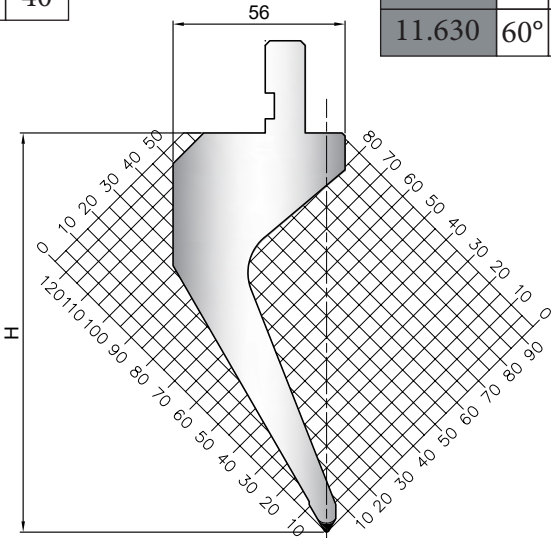
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.720	60°	0.80	115.00	40



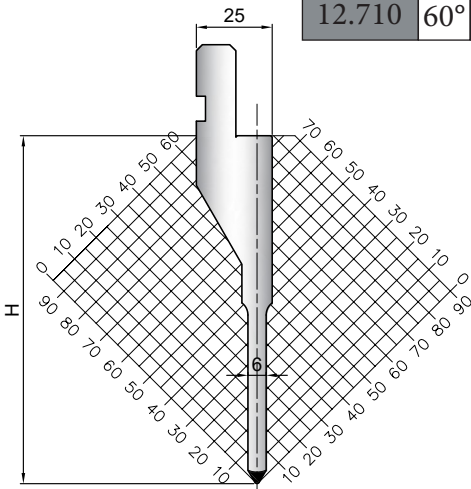
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
11.630	60°	0.80	130.00	40



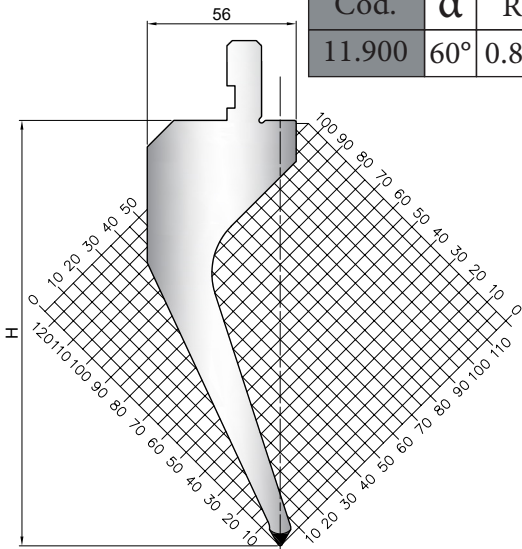
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.710	60°	0.80	115.00	50

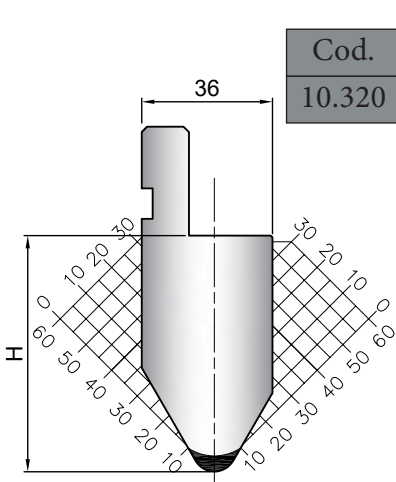


Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
11.900	60°	0.80	160.00	40

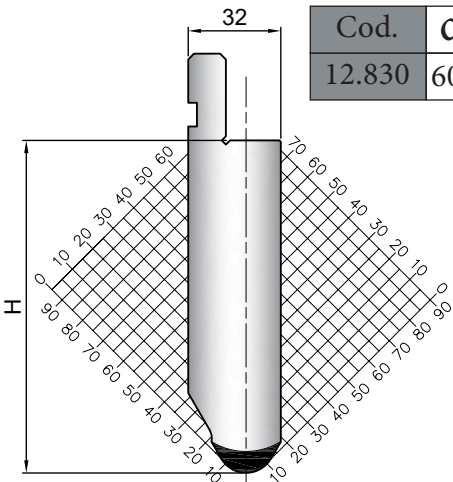


Punches



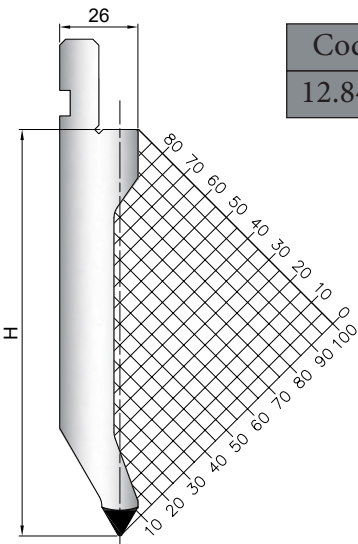
Steel: C45

Cod.	α	R	H	T/mt
10.320	60°	6.00	65.00	100



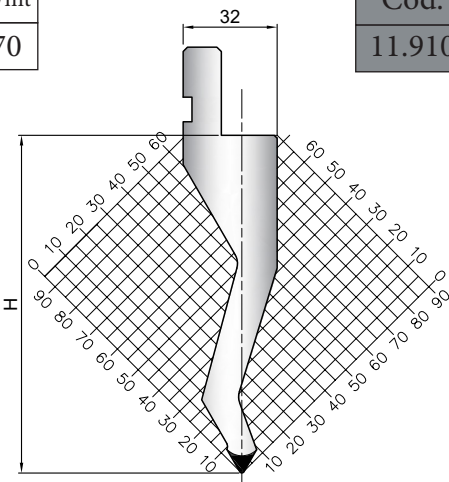
Steel: C45

Cod.	α	R	H	T/mt
12.830	60°	10.0	115.00	100



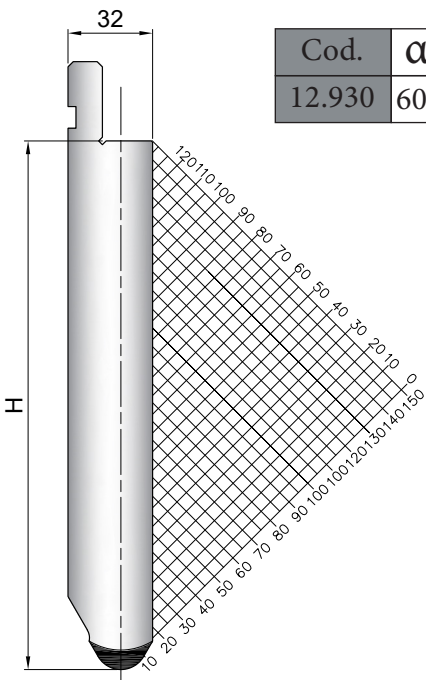
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.840	60°	0.80	135.00	70



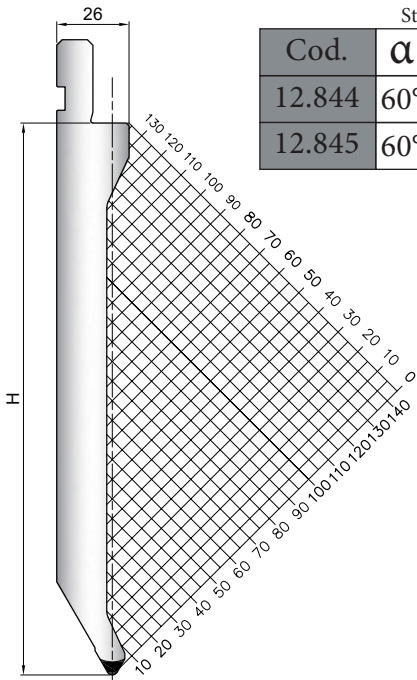
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
11.910	60°	0.80	115.00	60



Steel: C45

Cod.	α	R	H	T/mt
12.930	60°	8.00	200.00	100



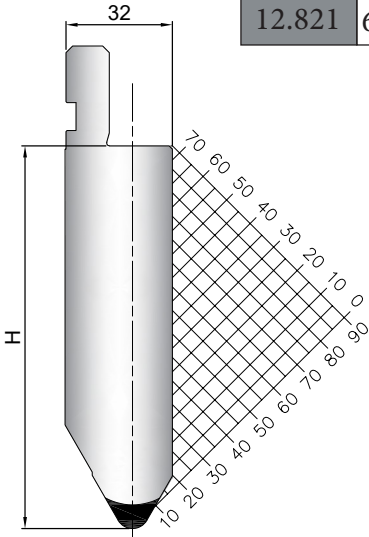
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.844	60°	0.80	200.00	65
12.845	60°	2.00	198.80	65

Punches

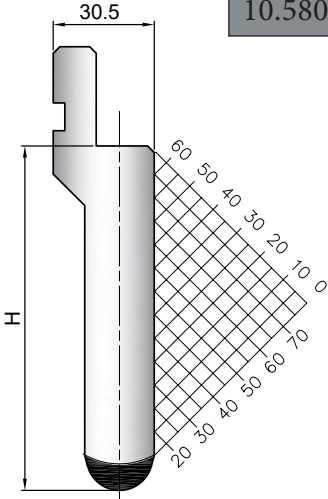
Steel: C45

Cod.	α	R	H	T/mt
12.821	60°	5.0	115.00	100



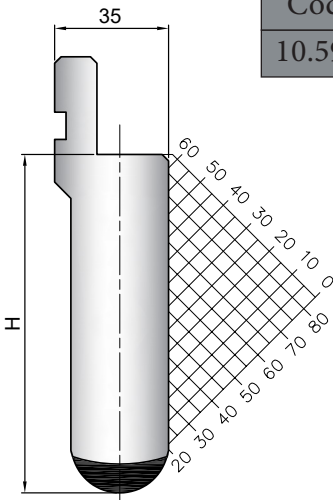
Steel: C45

Cod.	α	R	H	T/mt
10.580	60°	10.0	104.00	100



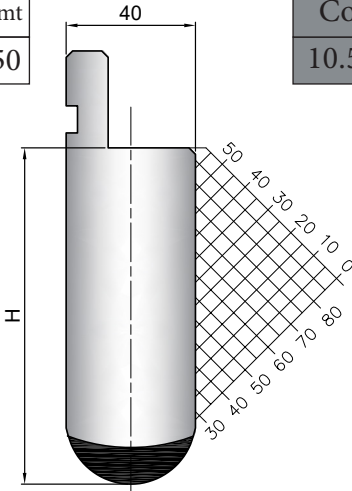
Steel: C45

Cod.	α	R	H	T/mt
10.590	60°	15.0	104.00	150



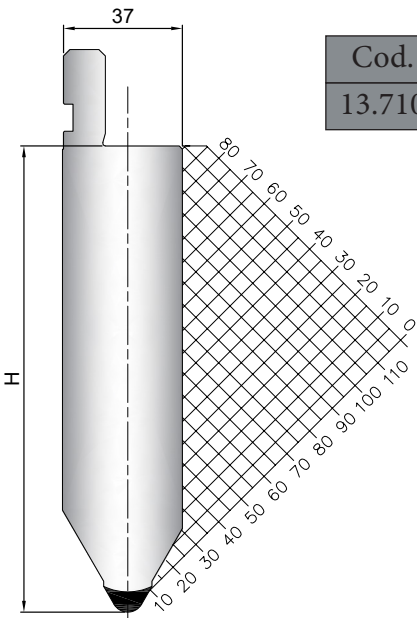
Steel: C45

Cod.	α	R	H	T/mt
10.595	60°	20.0	104.00	150



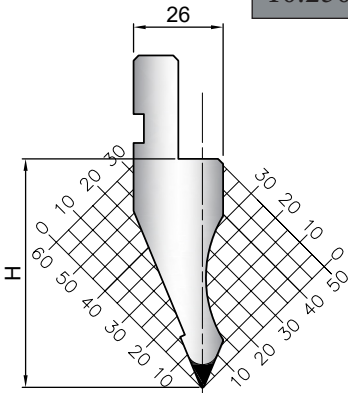
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.710	60°	5.00	145.00	160



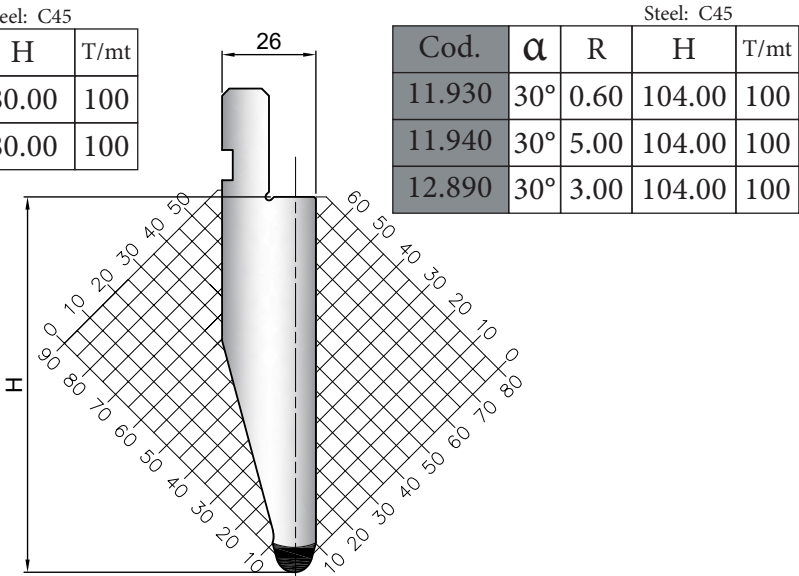
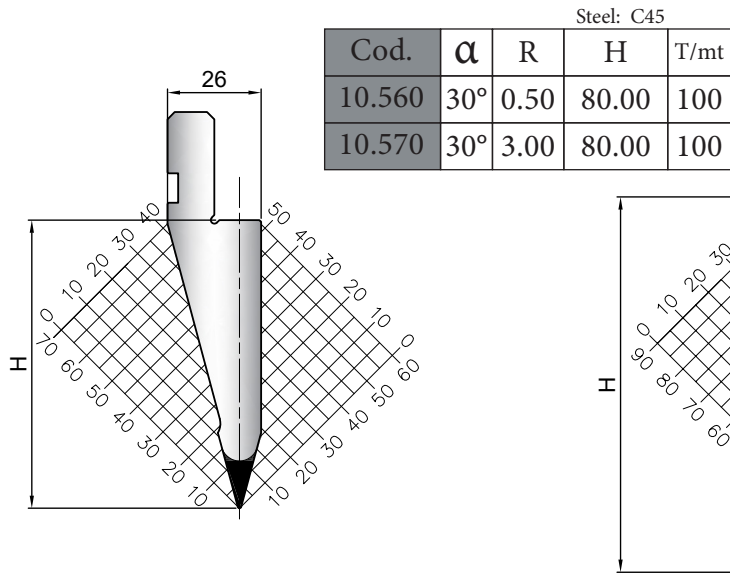
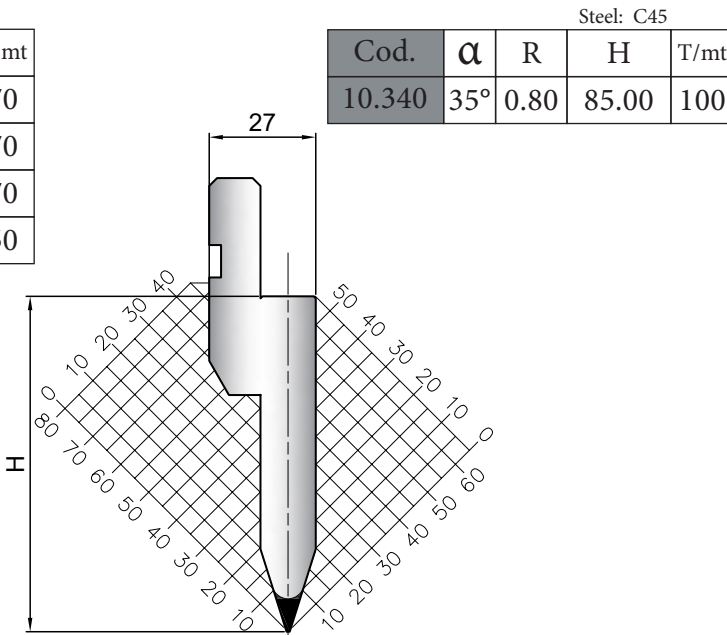
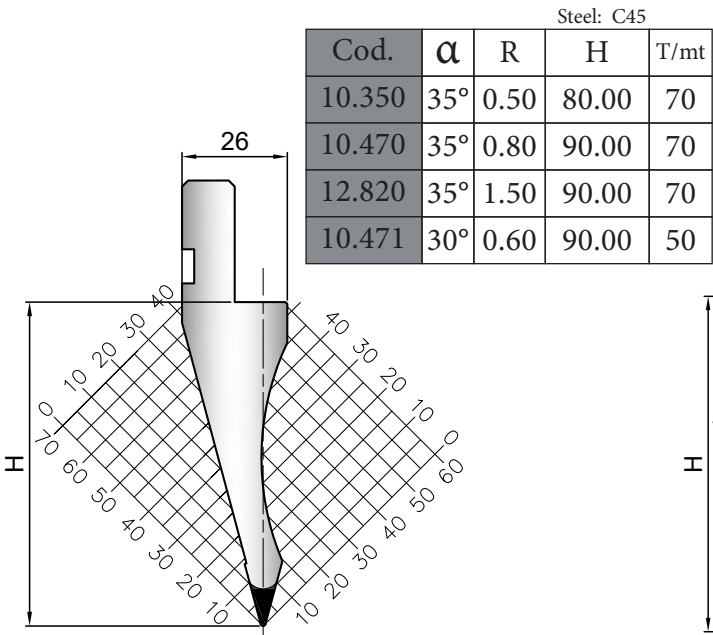
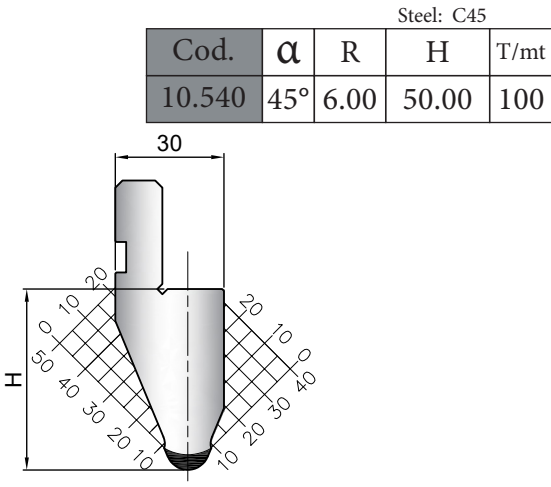
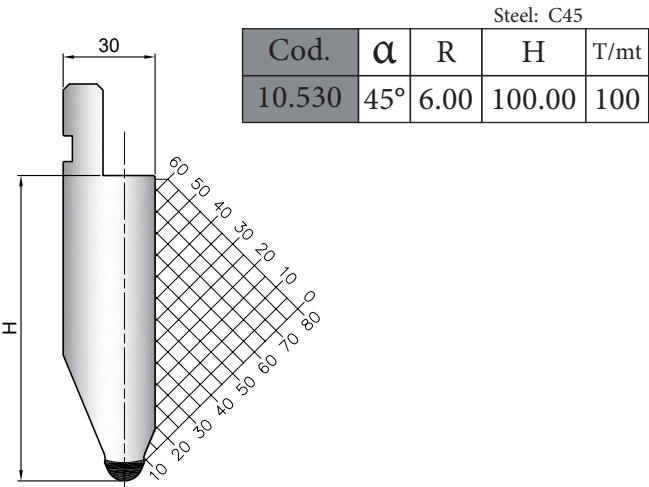
Steel: C45

Cod.	α	R	H	T/mt
10.240	45°	0.50	64.40	80
10.250	45°	1.50	65.20	80

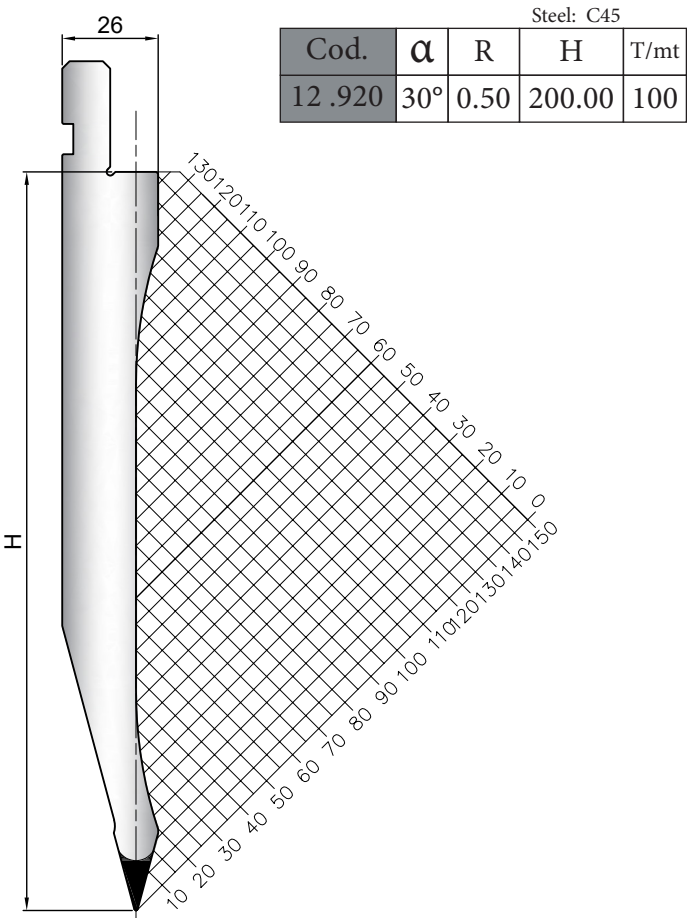
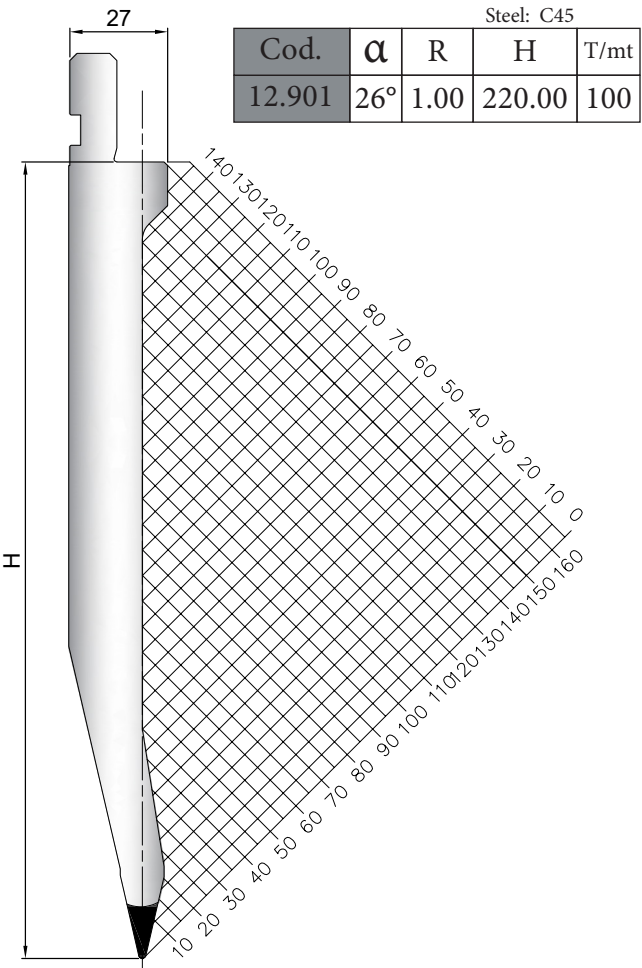
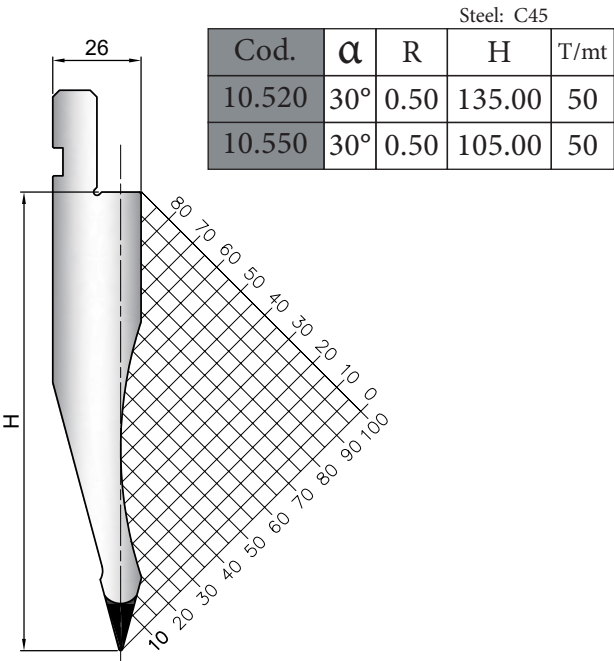
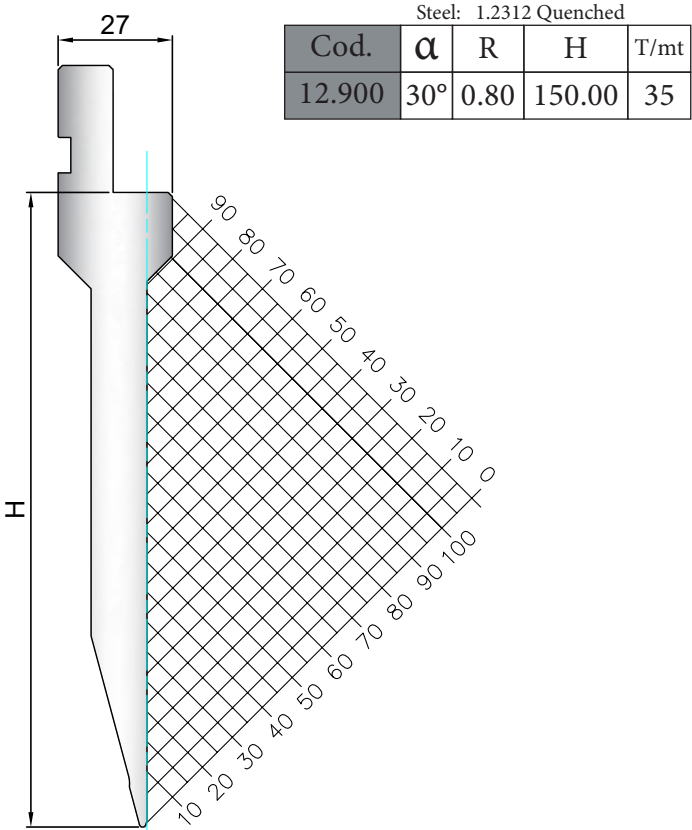


Punches

45° - 35° - 30°



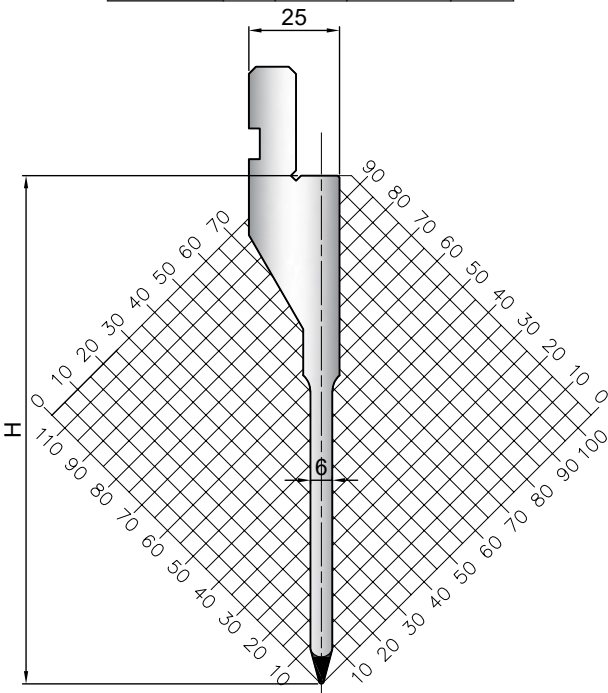
Punches



Punches

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
10.860	30°	0.60	140.00	40

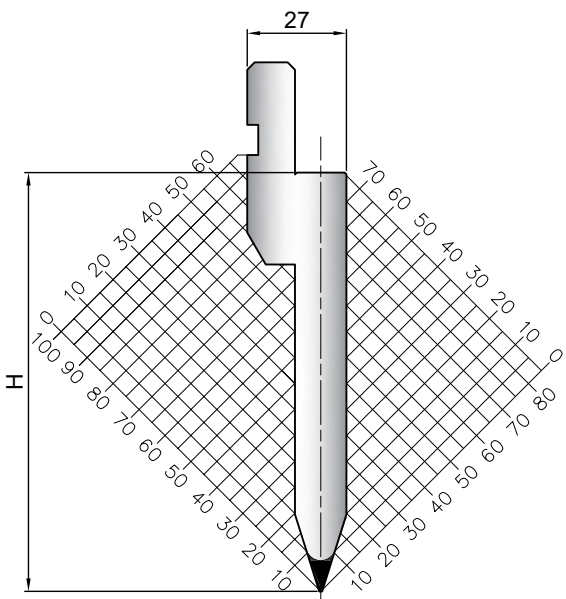
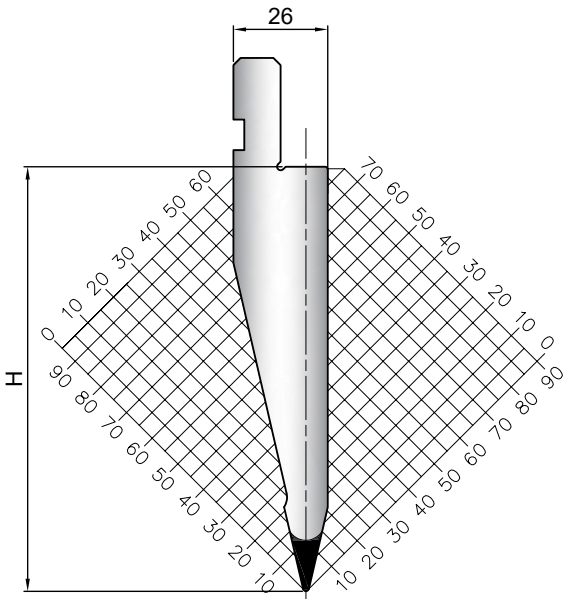


Steel: C45

Cod.	α	R	H	T/mt
11.780	26°	0.80	117.00	100
11.920	26°	3.00	117.00	100

Steel: C45

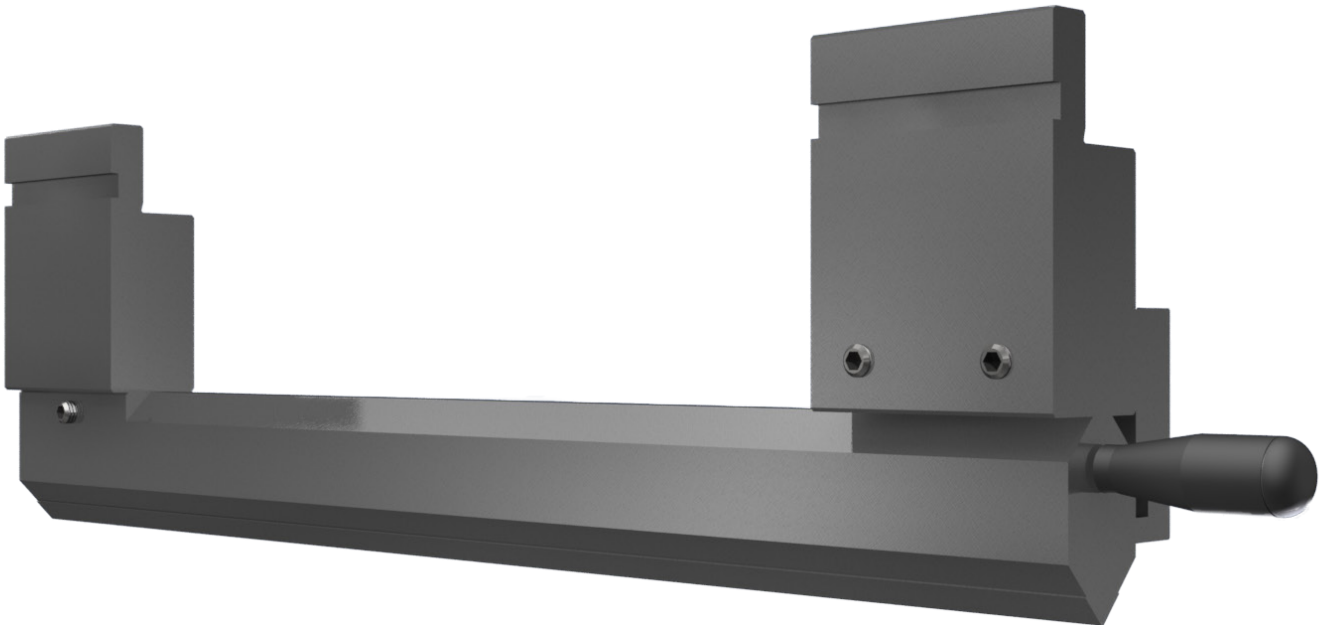
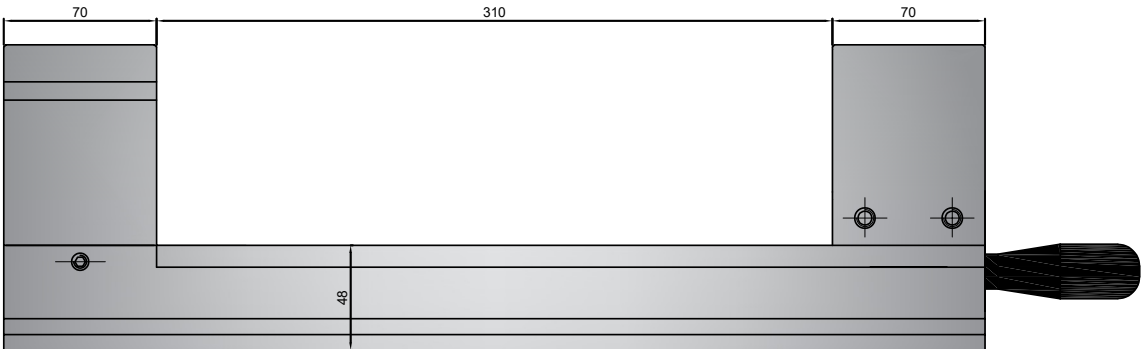
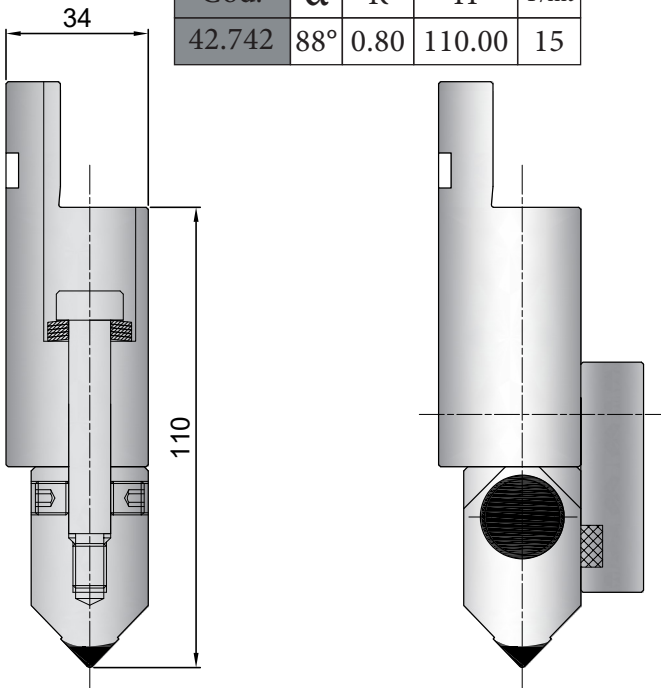
Cod.	α	R	H	T/mt
10.330	26°	0.80	117.00	100



Punches

Steel: C45

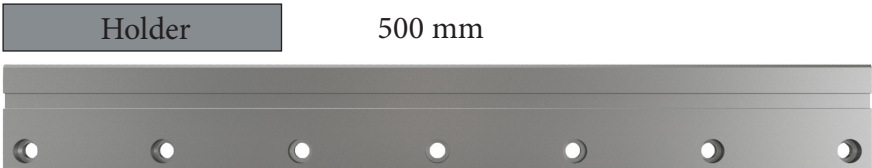
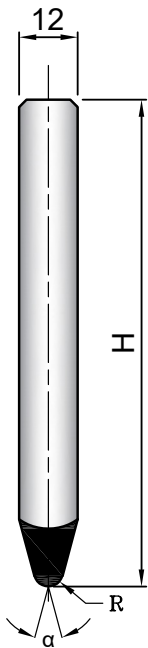
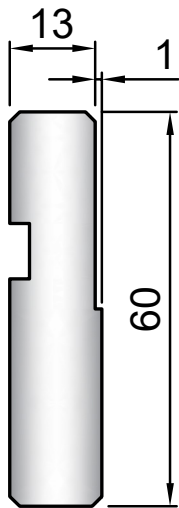
Cod.	α	R	H	T/mt
42.742	88°	0.80	110.00	15



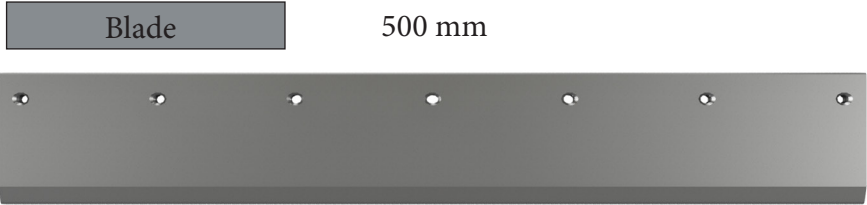
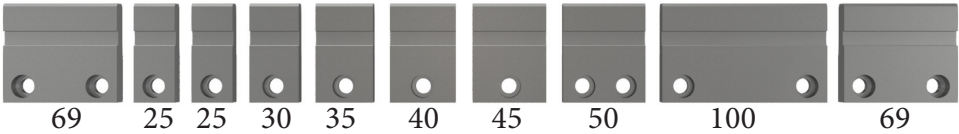
Blade holders

Steel: C45

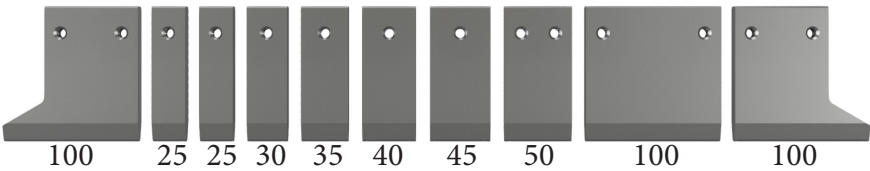
Cod.	T/mt
10.440	100



488 mm Sect.



550 mm Sect.



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.500	28°	0.50	100.00	100
13.501	28°	1.00	100.00	100
13.502	28°	2.00	100.00	100
13.503	28°	3.00	100.00	100
13.504	28°	4.00	100.00	100
13.505	28°	5.00	100.00	100
13.506	28°	6.00	100.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.520	84°	1.00	100.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.530	86°	1.00	100.00	100

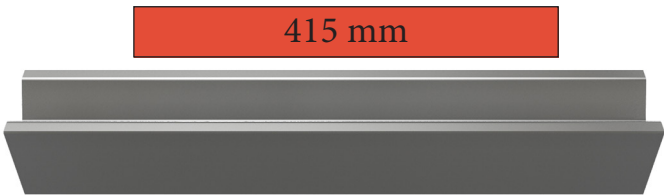
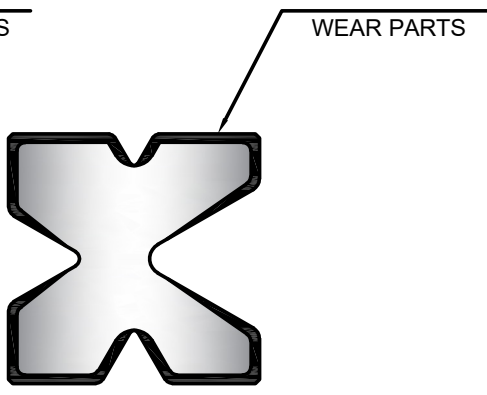
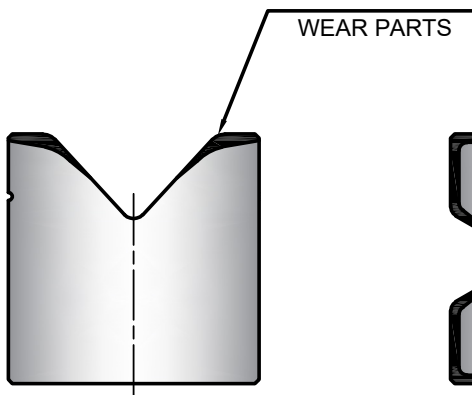
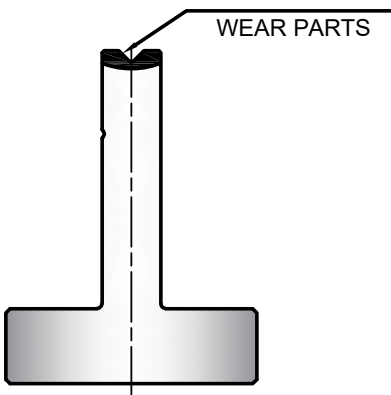
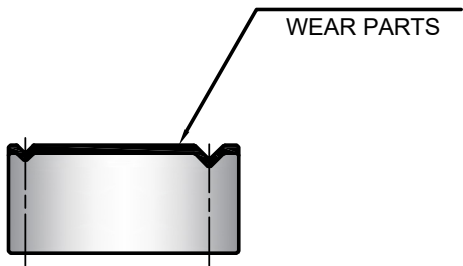
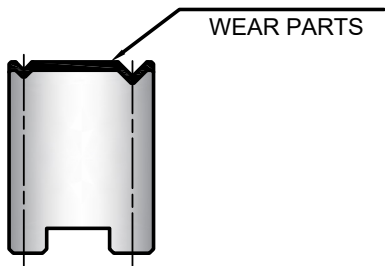
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.550	90°	0.50	100.00	100
13.551	90°	1.00	100.00	100
13.552	90°	1.50	100.00	100
13.553	90°	2.00	100.00	100

Amada - Promecam



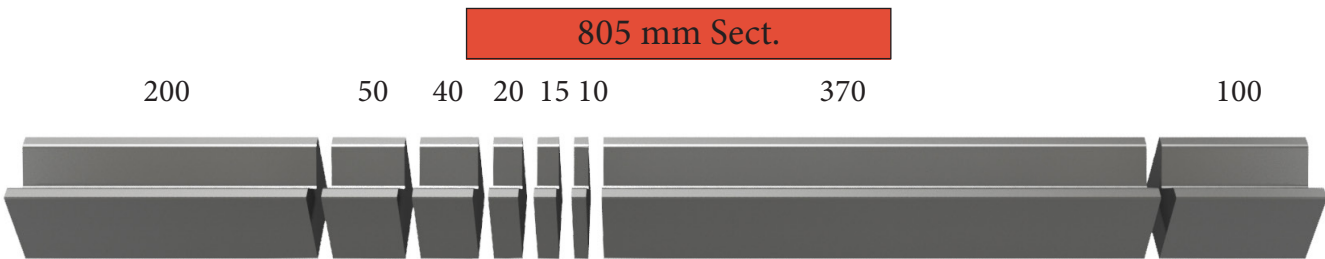
The standard dies are available in the following lengths: 415 mm - 835 mm - 805 mm sectioned



415 mm



835 mm



805 mm Sect.

200

50

40

20

15

10

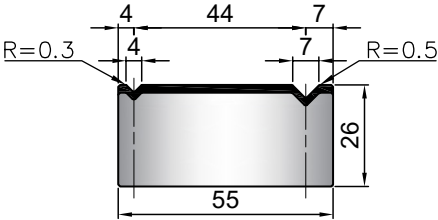
370

100

Dies

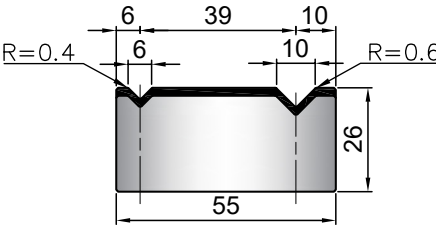
Steel: C45

Cod.	α	V	T/mt
20.100	90°	4 / 7	100



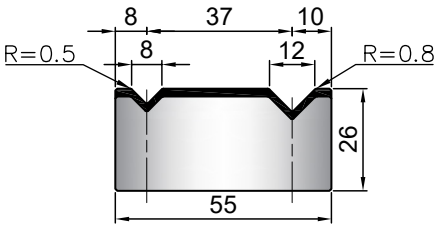
Steel: C45

Cod.	α	V	T/mt
20.110	90°	6 / 10	100



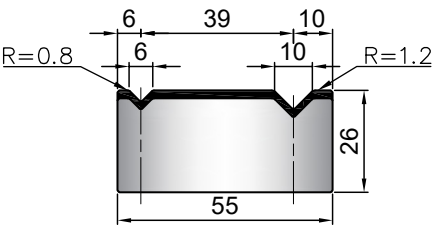
Steel: C45

Cod.	α	V	T/mt
20.120	90°	8 / 12	100



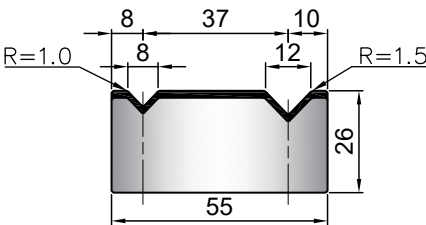
Steel: C45

Cod.	α	V	T/mt
20.460	88°	6 / 10	100



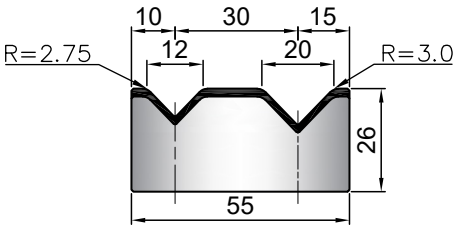
Steel: C45

Cod.	α	V	T/mt
20.410	88°	8 / 12	100



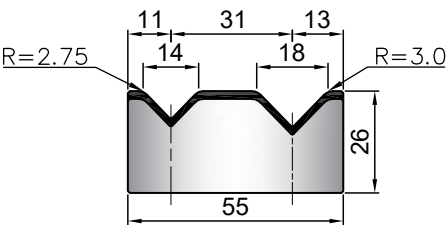
Steel: C45

Cod.	α	V	T/mt
20.130	88°	12 / 20	100



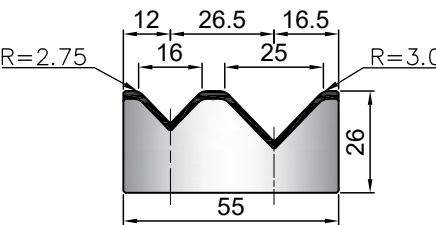
Steel: C45

Cod.	α	V	T/mt
20.320	88°	14 / 18	100



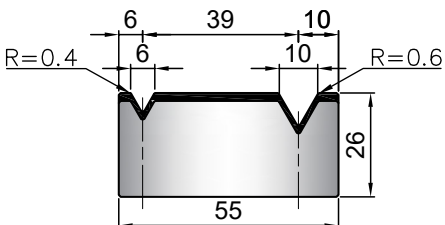
Steel: C45

Cod.	α	V	T/mt
20.140	88°	16 / 25	100



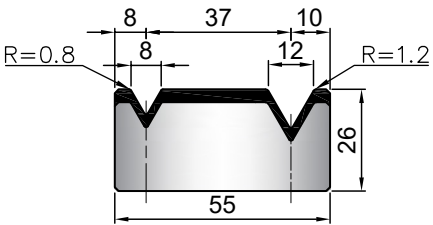
Steel: C45

Cod.	α	V	T/mt
20.150	60°	6 / 10	60



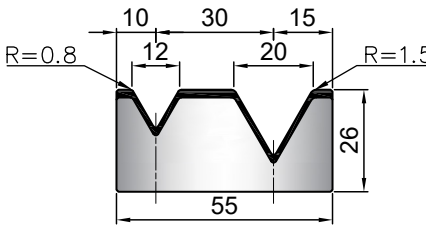
Steel: C45

Cod.	α	V	T/mt
20.160	60°	8 / 12	75



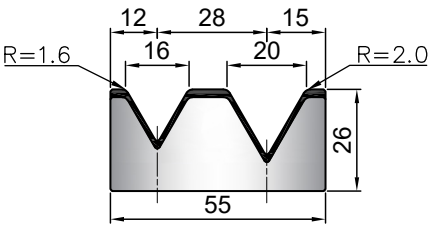
Steel: C45

Cod.	α	V	T/mt
20.330	60°	12 / 20	75



Steel: C45

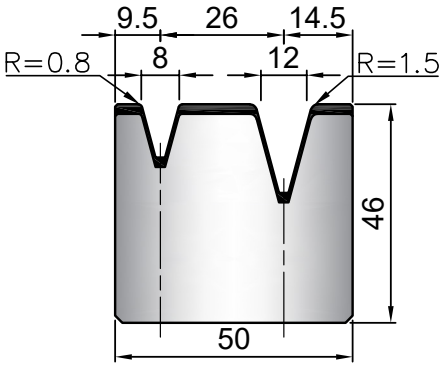
Cod.	α	V	T/mt
20.170	60°	16 / 20	80



Dies

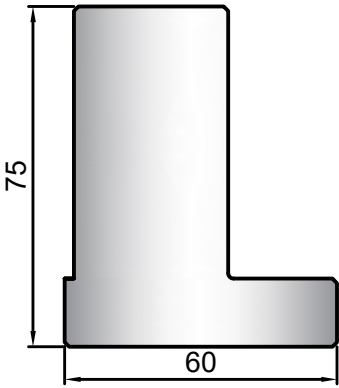
Steel: C45

Cod.	α	V	T/mt
20.470	30°	8 / 12	40



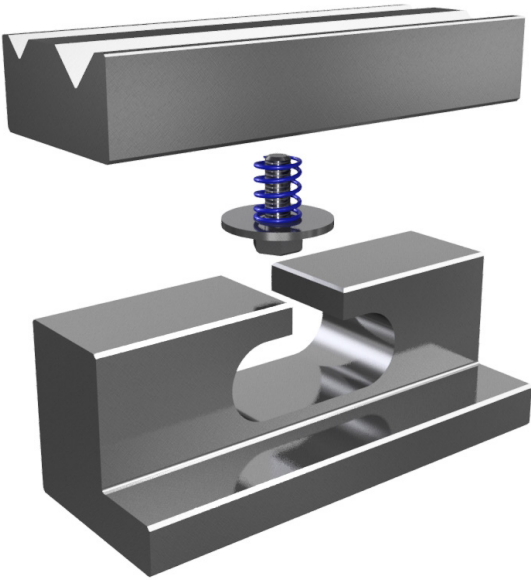
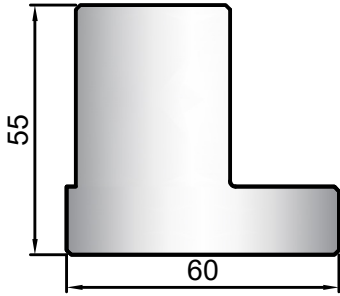
Steel: C45

Cod.
20.350



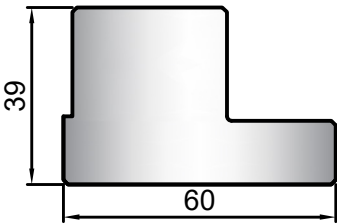
Steel: C45

Cod.
20.190



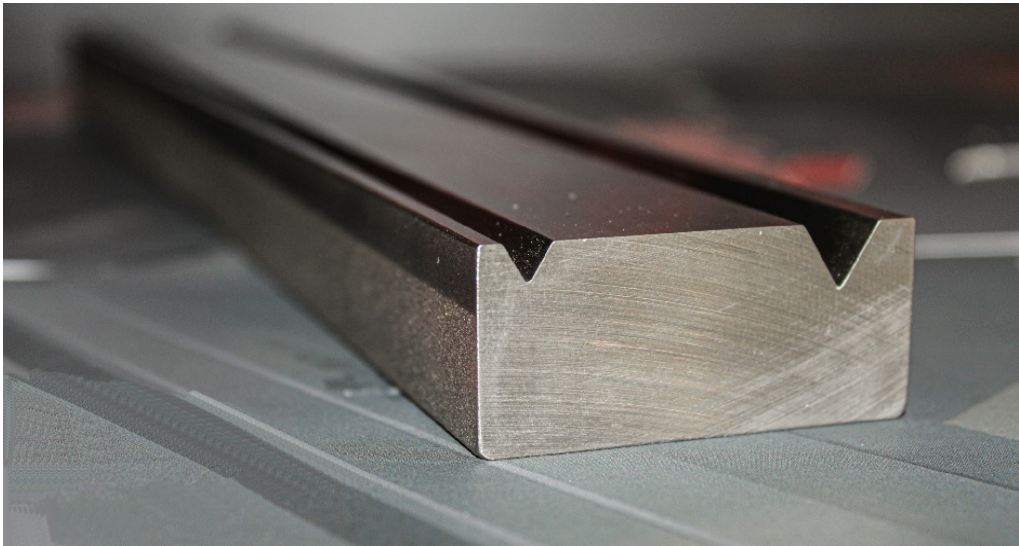
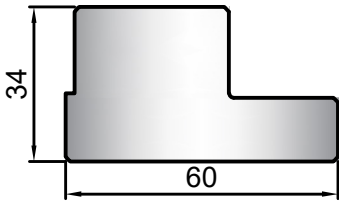
Steel: C45

Cod.
20.390



Steel: C45

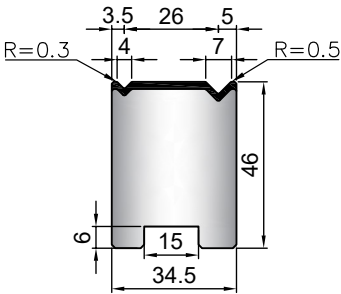
Cod.
20.180



Dies

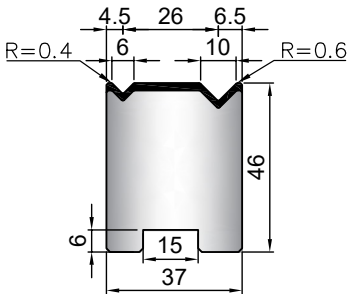
Steel: C45

Cod.	α	V	T/mt
20.480	90°	4 / 7	80



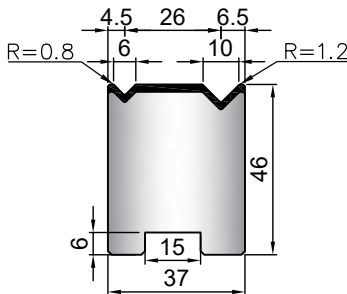
Steel: C45

Cod.	α	V	T/mt
20.490	90°	6 / 10	100



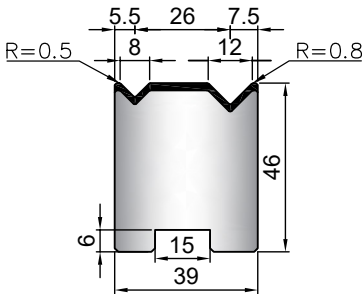
Steel: C45

Cod.	α	V	T/mt
20.500	88°	6 / 10	80



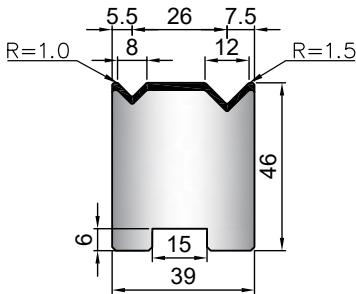
Steel: C45

Cod.	α	V	T/mt
20.510	90°	8 / 12	80



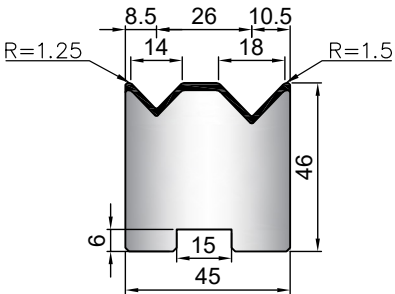
Steel: C45

Cod.	α	V	T/mt
20.520	88°	8 / 12	80



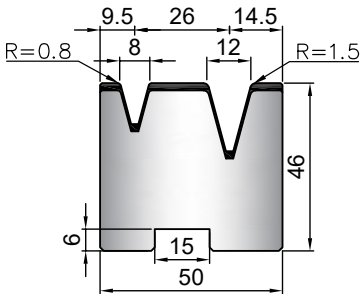
Steel: C45

Cod.	α	V	T/mt
20.530	88°	14 / 18	80



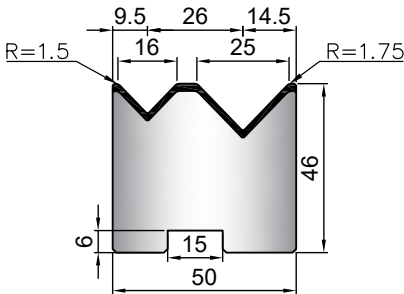
Steel: C45

Cod.	α	V	T/mt
20.560	30°	8 / 12	40



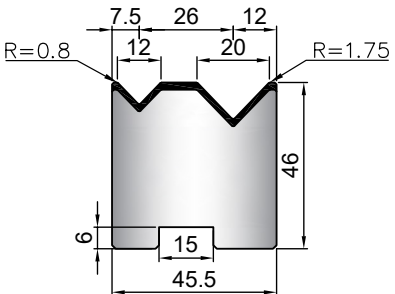
Steel: C45

Cod.	α	V	T/mt
20.550	88°	16 / 25	80



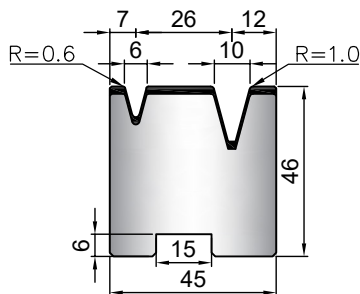
Steel: C45

Cod.	α	V	T/mt
20.540	88°	12 / 20	80



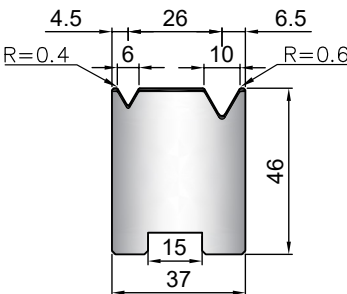
Steel: C45

Cod.	α	V	T/mt
20.570	30°	6 / 10	80



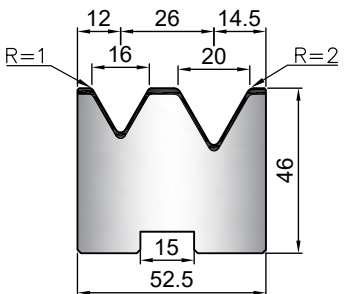
Steel: C45

Cod.	α	V	T/mt
20.610	60°	6 / 10	50



Steel: C45

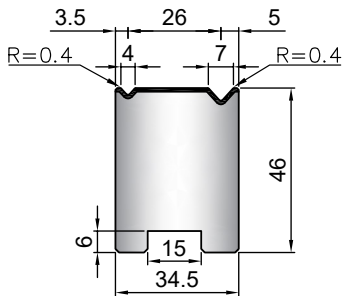
Cod.	α	V	T/mt
20.620	60°	16 / 20	60



Dies

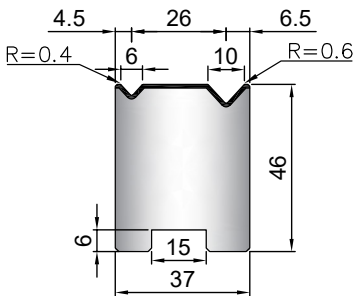
Steel: C45

Cod.	α	V	T/mt
20.481	85°	4 / 7	80



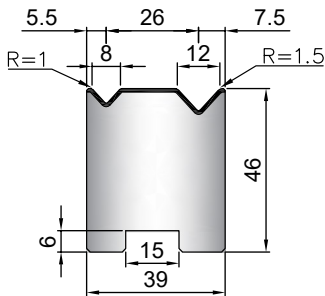
Steel: C45

Cod.	α	V	T/mt
20.491	85°	6 / 10	80



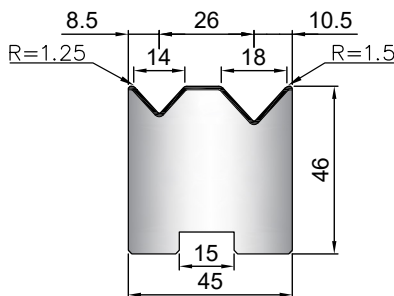
Steel: C45

Cod.	α	V	T/mt
20.521	85°	8 / 12	80



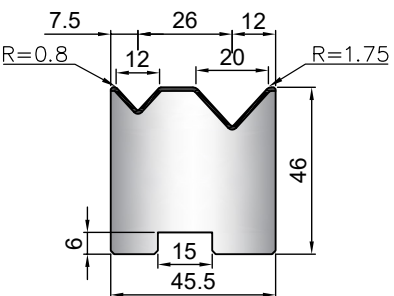
Steel: C45

Cod.	α	V	T/mt
20.531	85°	14 / 18	80



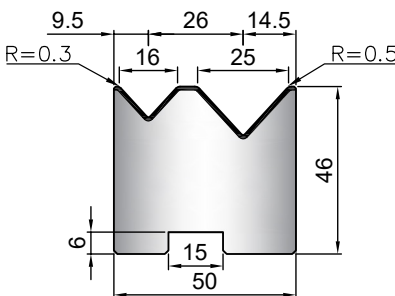
Steel: C45

Cod.	α	V	T/mt
20.541	85°	12 / 20	80



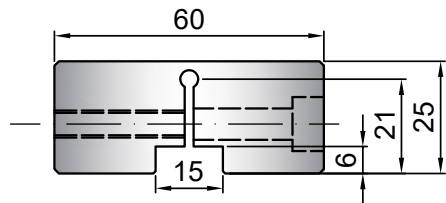
Steel: C45

Cod.	α	V	T/mt
20.551	85°	16 / 25	80



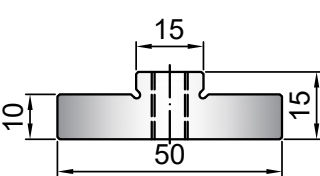
Steel: C45

Cod.
20.600



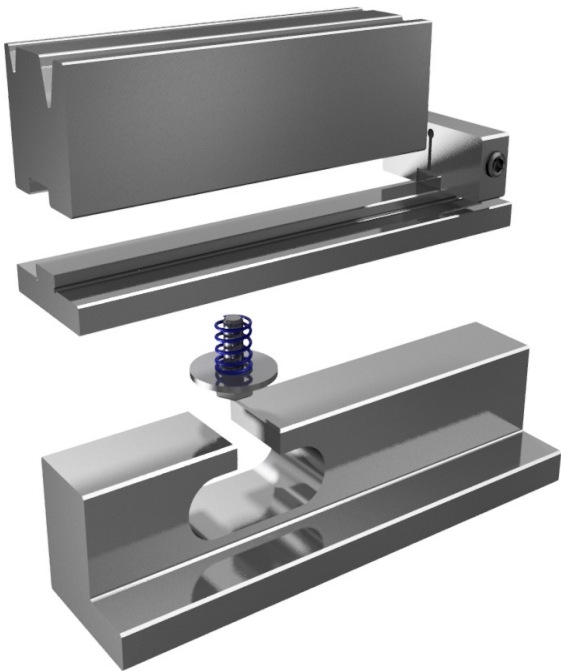
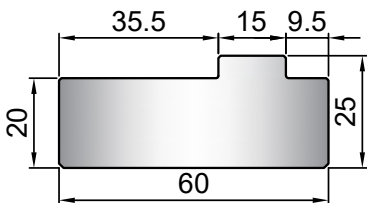
Steel: C45

Cod.
20.580



Steel: C45

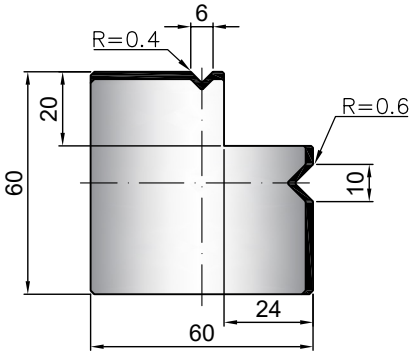
Cod.
20.590



Dies

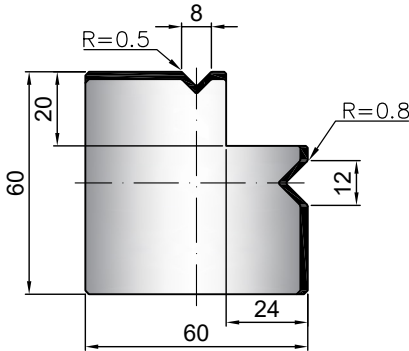
Steel: C45

Cod.	α	V	T/mt
20.280	90°	6 / 10	80



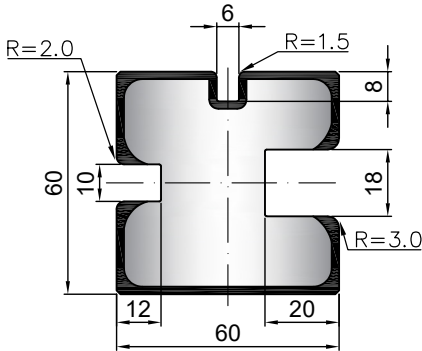
Steel: C45

Cod.	α	V	T/mt
20.290	90°	8 / 12	80



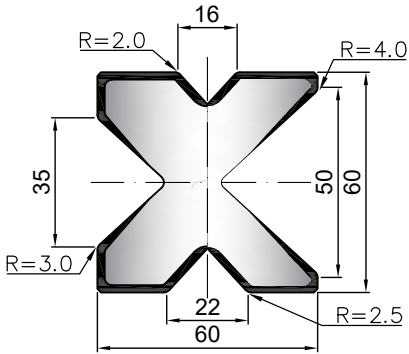
Steel: C45

Cod.	U	T/mt
20.310	6/10/18	100



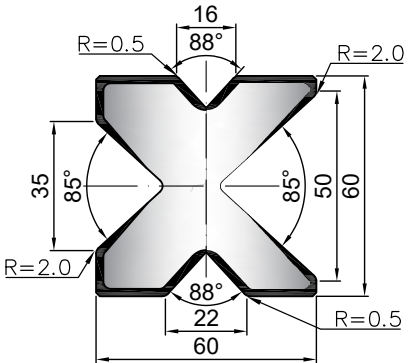
Steel: C45

Cod.	α	V	T/mt
20.670	85°	16/22/35/50	80



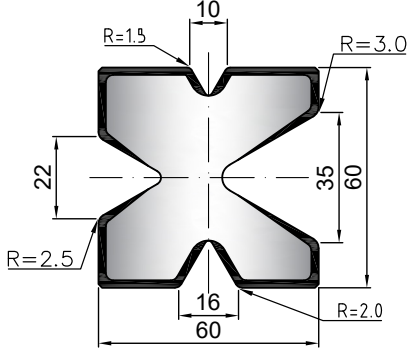
Steel: C45

Cod.	α	V	T/mt
20.300	85°/88°	16/22/35/50	80



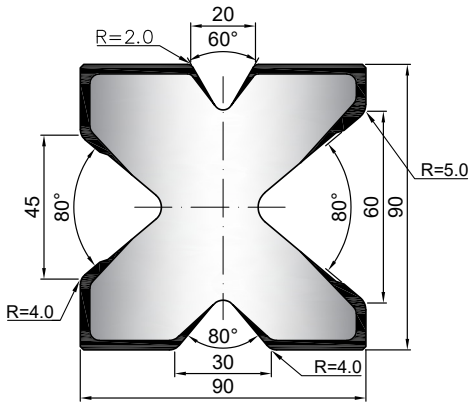
Steel: C45

Cod.	α	V	T/mt
20.340	60°	10/16/22/35	60



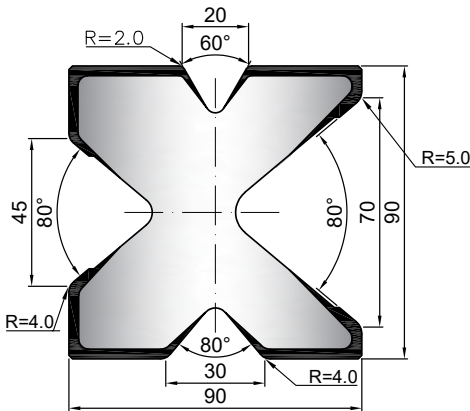
Steel: C45

Cod.	α	V	T/mt
20.671	80°/60°	20/30/45/60	100



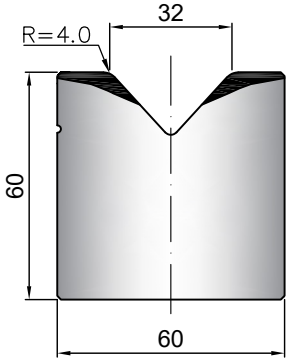
Steel: C45

Cod.	α	V	T/mt
20.672	80°/60°	20/30/45/70	100



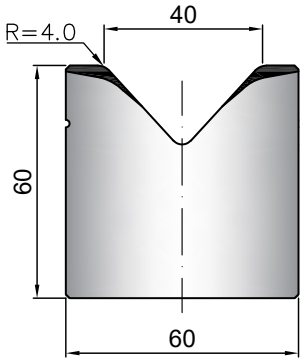
Steel: C45

Cod.	α	V	T/mt
20.200	85°	32	100



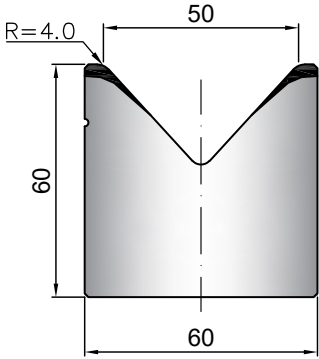
Steel: C45

Cod.	α	V	T/mt
20.210	85°	40	100



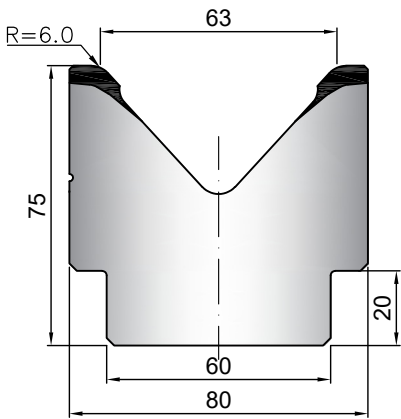
Steel: C45

Cod.	α	V	T/mt
20.220	85°	50	100



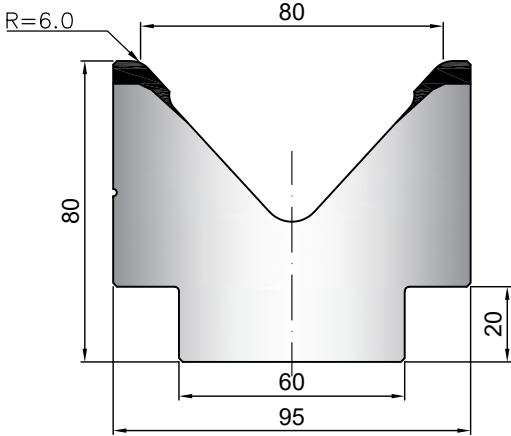
Steel: C45

Cod.	α	V	T/mt
20.230	85°	63	100



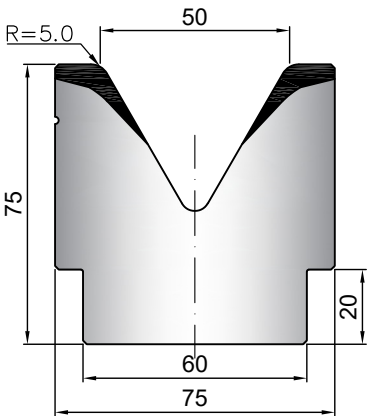
Steel: C45

Cod.	α	V	T/mt
20.240	85°	80	100



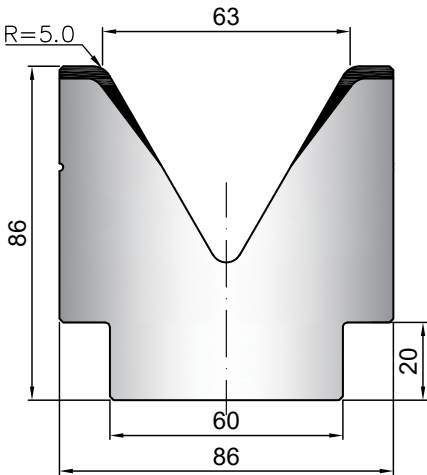
Steel: C45

Cod.	α	V	T/mt
20.820	60°	50	100



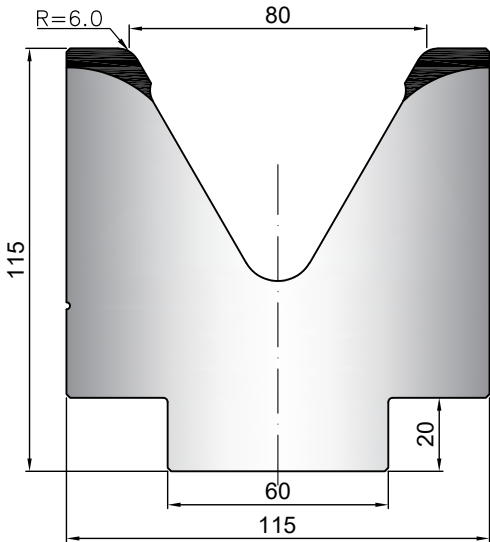
Steel: C45

Cod.	α	V	T/mt
20.830	60°	63	100



Steel: C45

Cod.	α	V	T/mt
20.890	60°	80	100

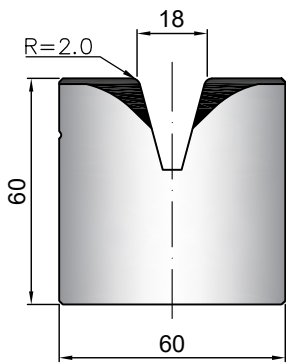


Dies

30° - 45° - 80°

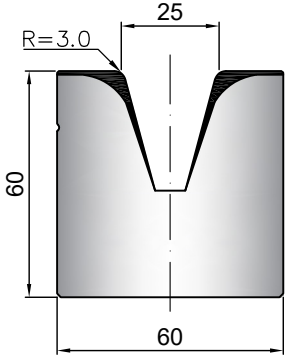
Steel: C45

Cod.	α	V	T/mt
20.860	30°	18	100



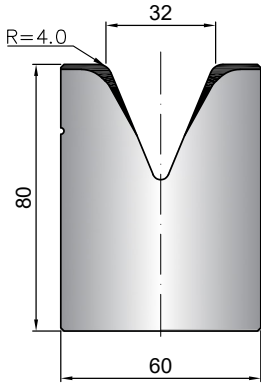
Steel: C45

Cod.	α	V	T/mt
20.870	30°	25	100



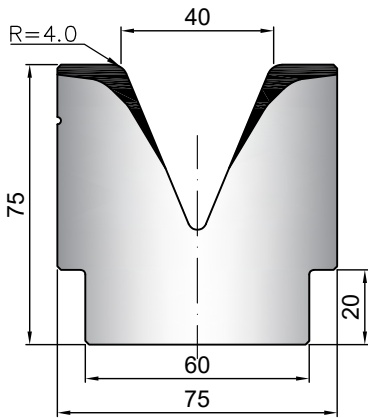
Steel: C45

Cod.	α	V	T/mt
20.880	45°	32	100



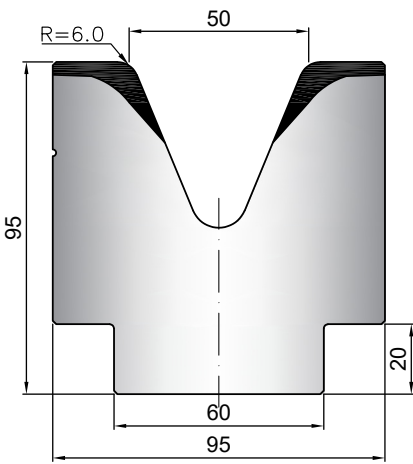
Steel: C45

Cod.	α	V	T/mt
20.810	45°	40	100



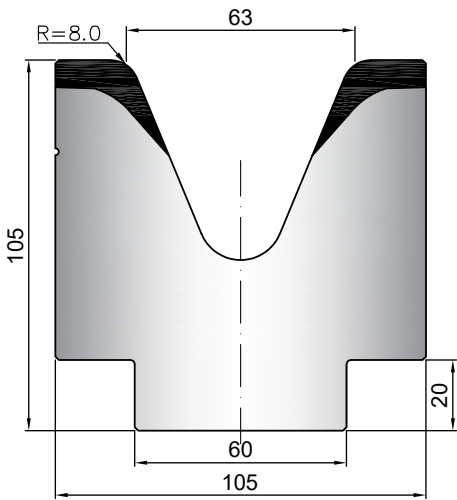
Steel: C45

Cod.	α	V	T/mt
21.180	45°	50	100



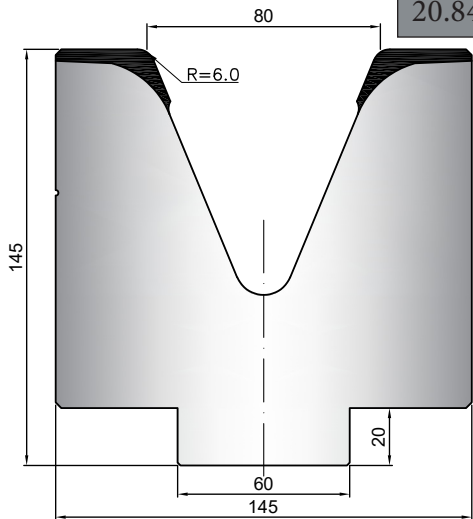
Steel: C45

Cod.	α	V	T/mt
21.170	45°	63	100



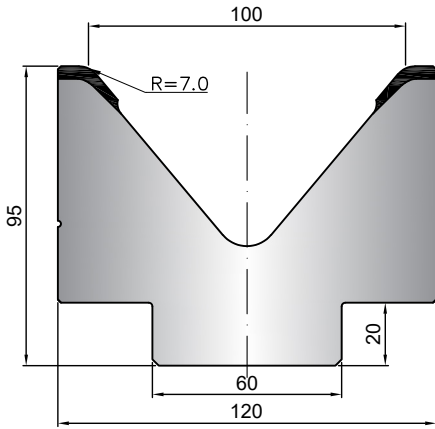
Steel: C45

Cod.	α	V	T/mt
20.840	45°	80	100



Steel: C45

Cod.	α	V	T/mt
20.250	80°	100	100

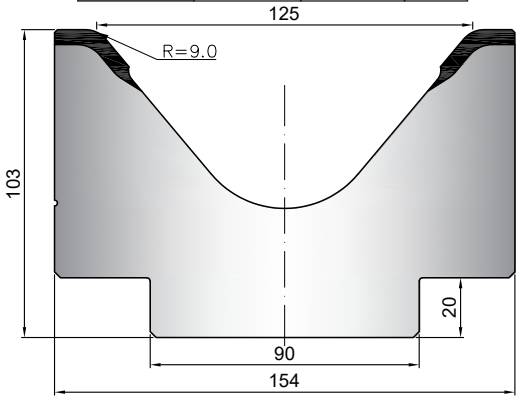


Dies

80° - 70°

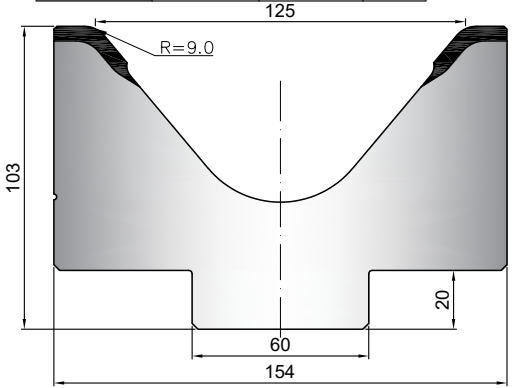
Steel: C45

Cod.	α	V	T/mt
20.260	80°	125	100



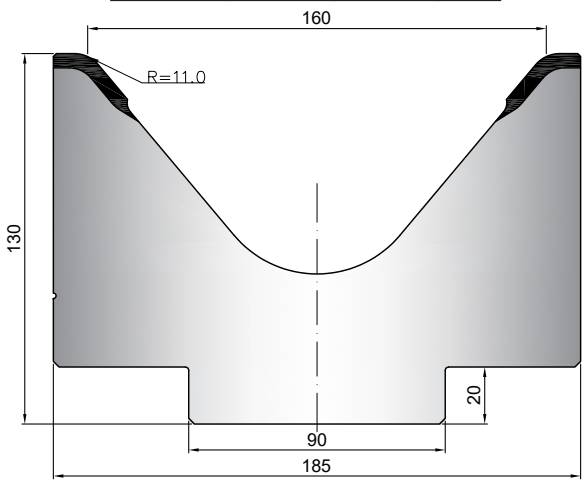
Steel: C45

Cod.	α	V	T/mt
20.261	80°	125	100



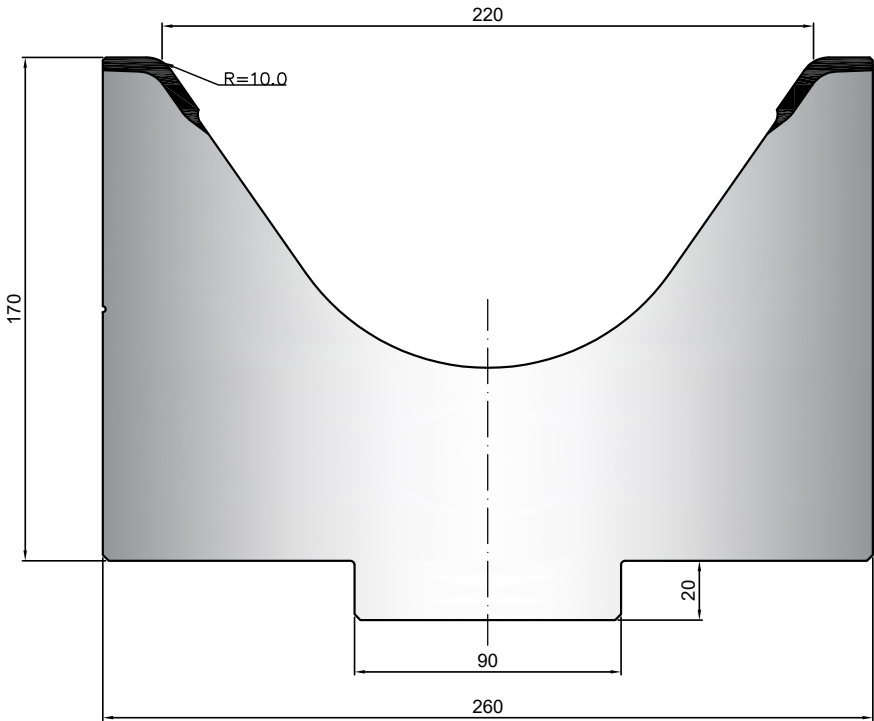
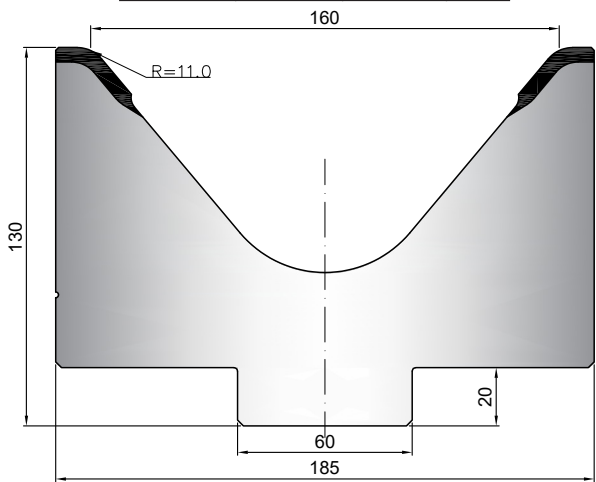
Steel: C45

Cod.	α	V	T/mt
20.270	80°	160	100



Steel: C45

Cod.	α	V	T/mt
20.271	80°	160	100



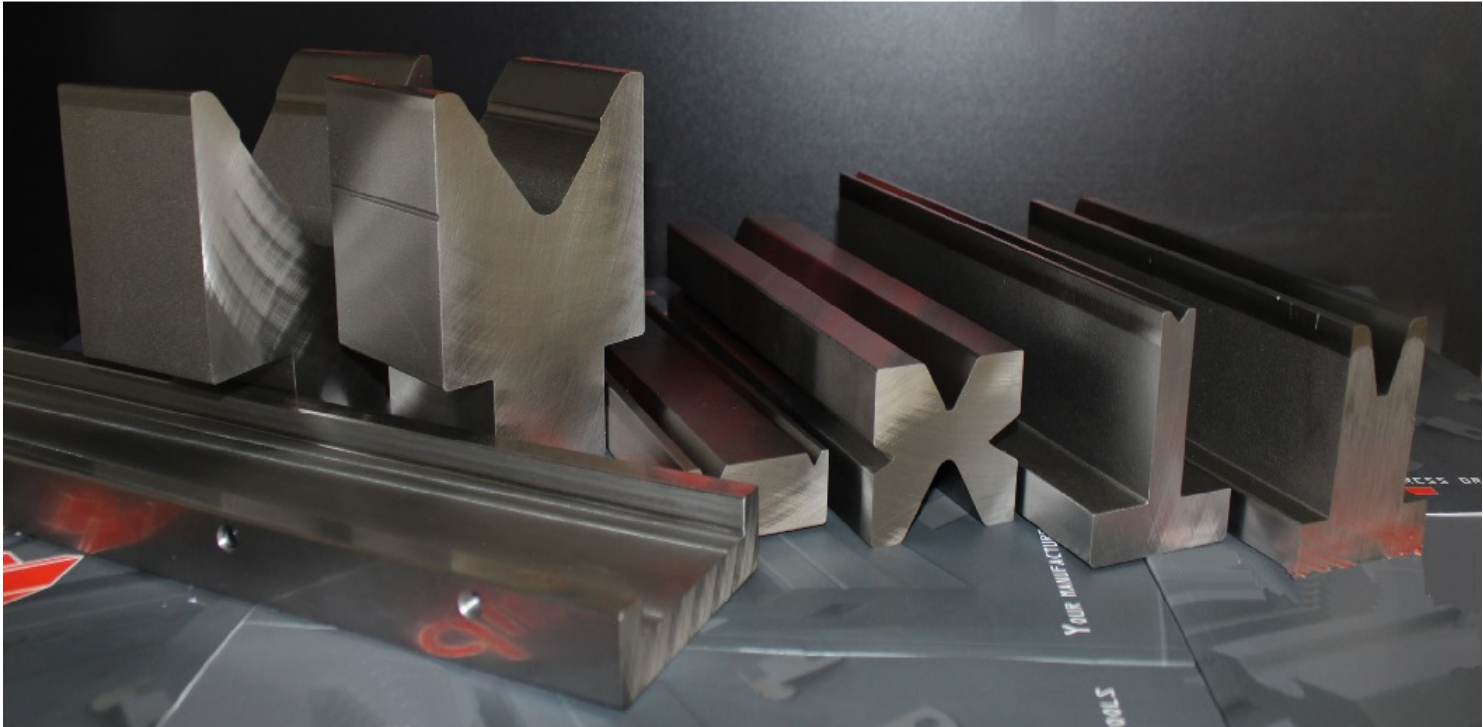
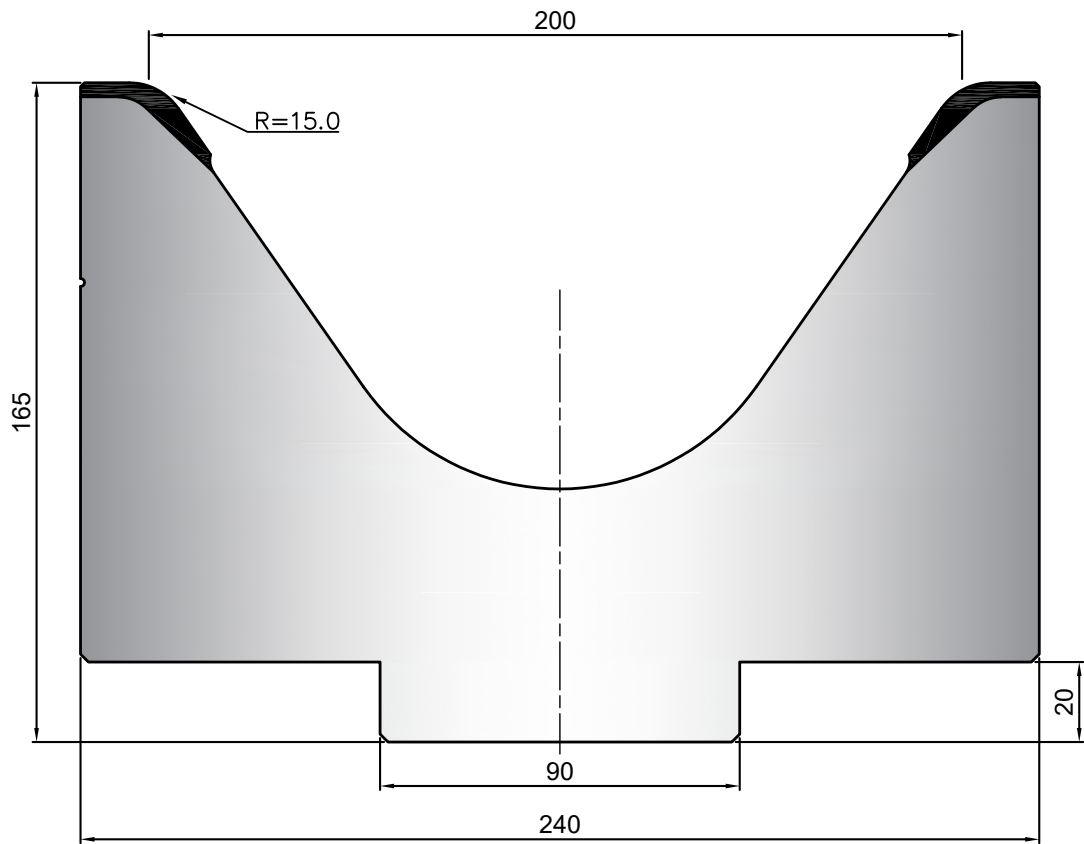
Steel: 1.2312 Quenched

Cod.	α	V	T/mt
72.900	70°	220	200

Dies

Steel: C45

Cod.	α	V	T/mt
73.900	70°	200	200

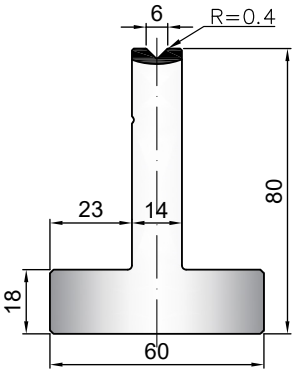


Dies

H80 - 90° / 88°

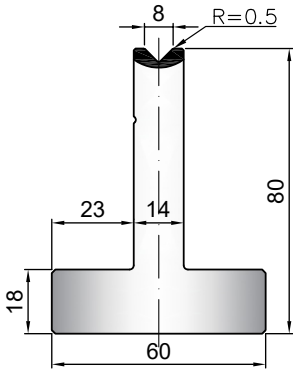
Steel: C45

Cod.	α	T/mt	Kg/mt
30.100	90°	100	15.5



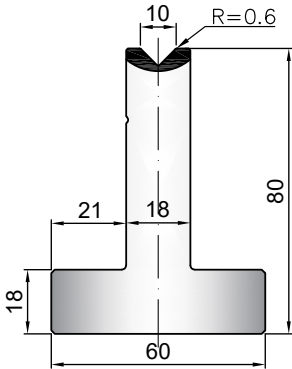
Steel: C45

Cod.	α	T/mt	Kg/mt
30.110	90°	100	15.5



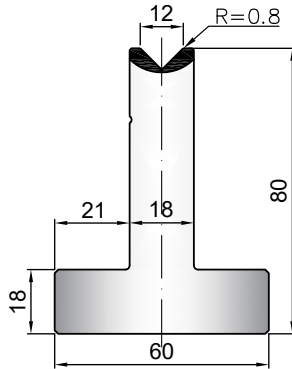
Steel: C45

Cod.	α	T/mt	Kg/mt
30.120	90°	100	17



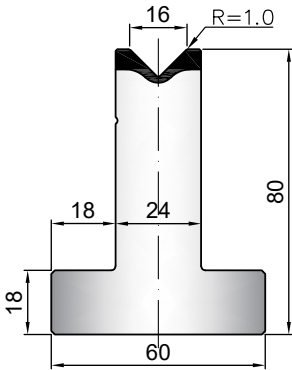
Steel: C45

Cod.	α	T/mt	Kg/mt
30.130	90°	100	17



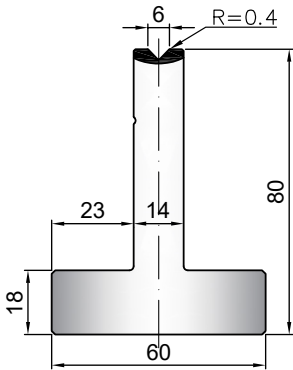
Steel: C45

Cod.	α	T/mt	Kg/mt
30.140	90°	100	20



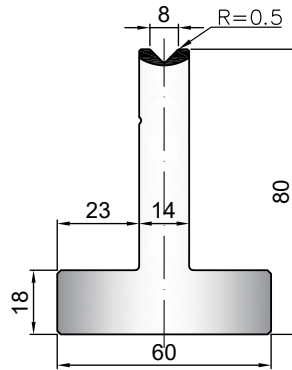
Steel: C45

Cod.	α	T/mt	Kg/mt
30.800	88°	100	15.5



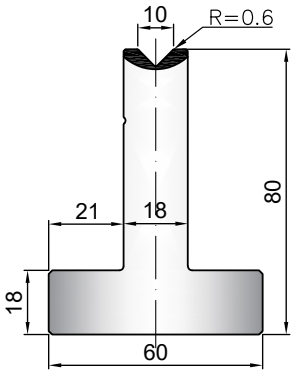
Steel: C45

Cod.	α	T/mt	Kg/mt
30.810	88°	100	15.5



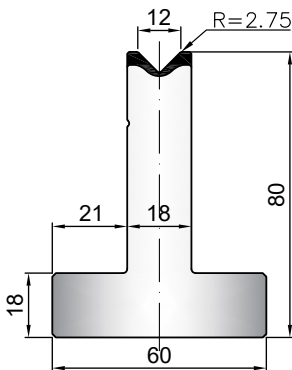
Steel: C45

Cod.	α	T/mt	Kg/mt
30.820	88°	100	17



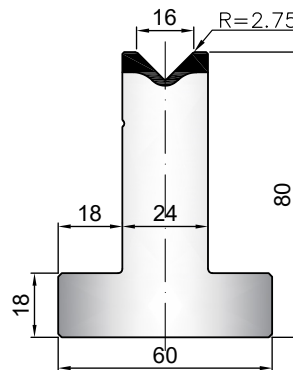
Steel: C45

Cod.	α	T/mt	Kg/mt
30.150	88°	100	17



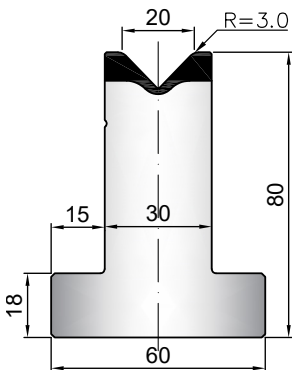
Steel: C45

Cod.	α	T/mt	Kg/mt
30.160	88°	100	20



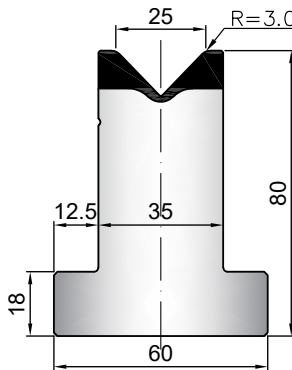
Steel: C45

Cod.	α	T/mt	Kg/mt
30.170	88°	100	22.5



Steel: C45

Cod.	α	T/mt	Kg/mt
30.180	88°	100	24.5

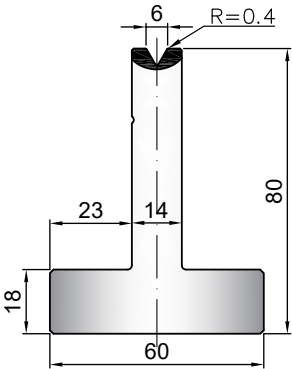


Dies

H80 - 60° / 45°

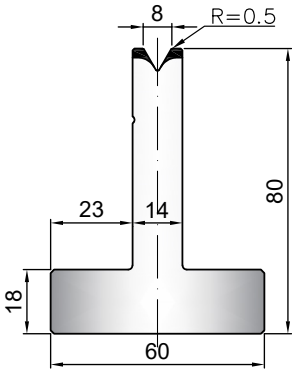
Steel: C45

Cod.	α	T/mt	Kg/mt
30.190	60°	60	15.5



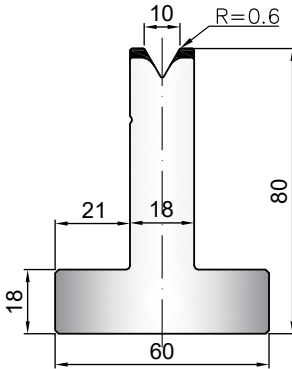
Steel: C45

Cod.	α	T/mt	Kg/mt
30.200	60°	60	15.5



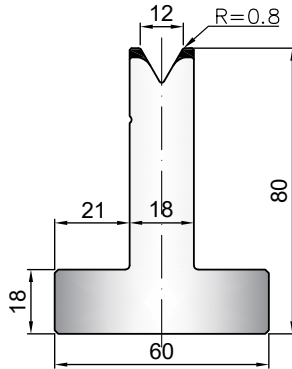
Steel: C45

Cod.	α	T/mt	Kg/mt
30.210	60°	60	17



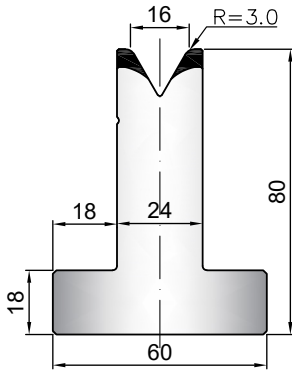
Steel: C45

Cod.	α	T/mt	Kg/mt
30.220	60°	60	17



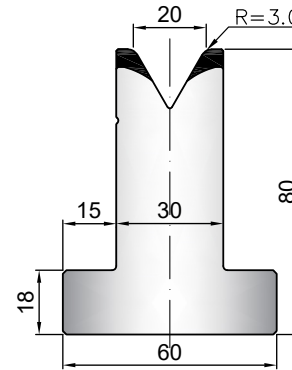
Steel: C45

Cod.	α	T/mt	Kg/mt
30.230	60°	60	20



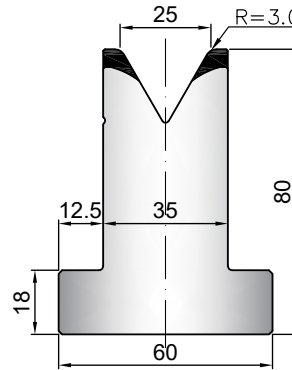
Steel: C45

Cod.	α	T/mt	Kg/mt
30.240	60°	60	22.5



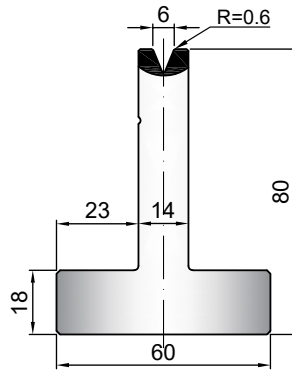
Steel: C45

Cod.	α	T/mt	Kg/mt
30.250	60°	60	24.5



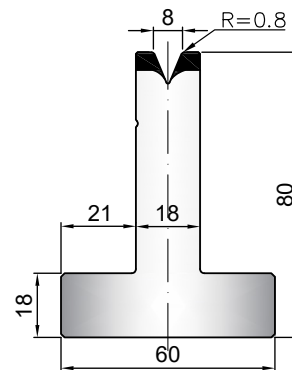
Steel: C45

Cod.	α	T/mt	Kg/mt
30.260	45°	50	15.5



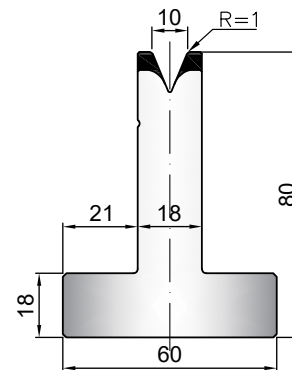
Steel: C45

Cod.	α	T/mt	Kg/mt
30.270	45°	50	17



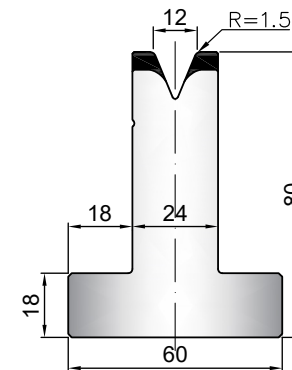
Steel: C45

Cod.	α	T/mt	Kg/mt
30.280	45°	50	17



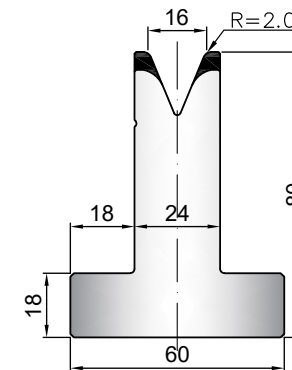
Steel: C45

Cod.	α	T/mt	Kg/mt
30.290	45°	50	20



Steel: C45

Cod.	α	T/mt	Kg/mt
30.300	45°	50	20

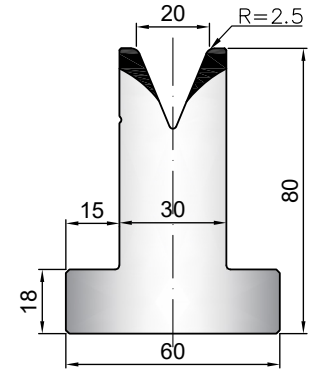


Dies

H80 - 45° / 30°

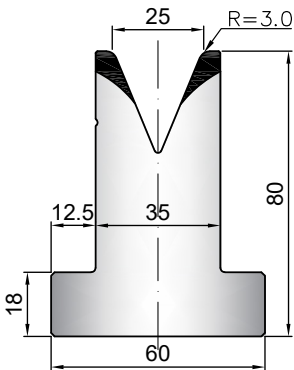
Steel: C45

Cod.	α	T/mt	Kg/mt
30.310	45°	50	22.5



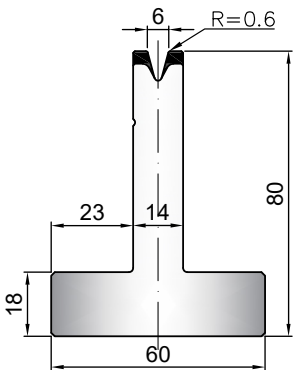
Steel: C45

Cod.	α	T/mt	Kg/mt
30.320	45°	50	24.5



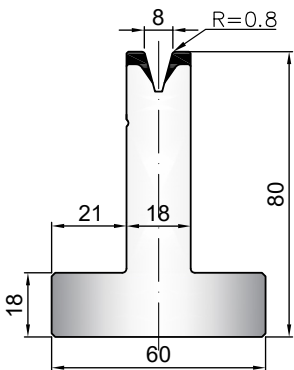
Steel: C45

Cod.	α	T/mt	Kg/mt
30.420	30°	35	15.5



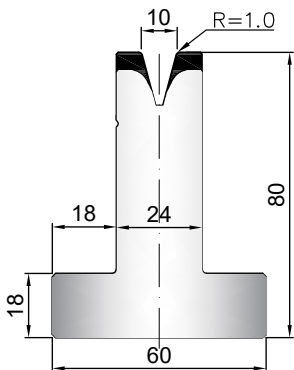
Steel: C45

Cod.	α	T/mt	Kg/mt
30.430	30°	35	17



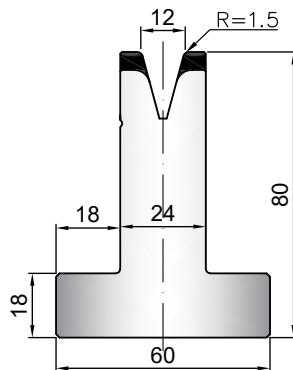
Steel: C45

Cod.	α	T/mt	Kg/mt
30.440	30°	50	20



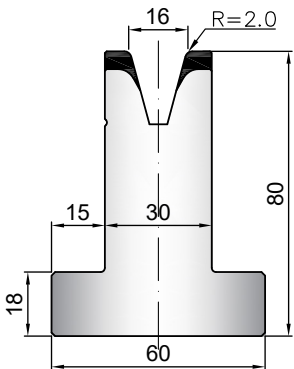
Steel: C45

Cod.	α	T/mt	Kg/mt
30.450	30°	40	20



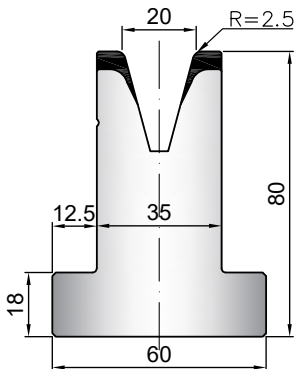
Steel: C45

Cod.	α	T/mt	Kg/mt
30.460	30°	45	22.5



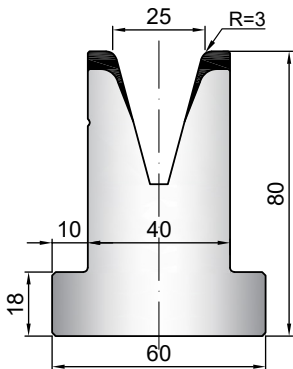
Steel: C45

Cod.	α	T/mt	Kg/mt
30.470	30°	50	24.5



Steel: C45

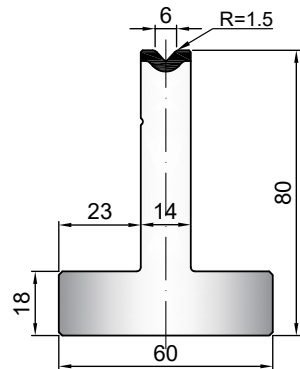
Cod.	α	T/mt	Kg/mt
30.480	30°	50	30



Dies

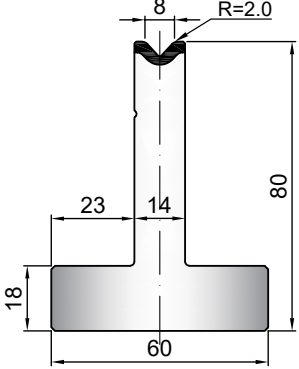
Steel: C45

Cod.	α	T/mt	Kg/mt
30.801	85°	100	15.5



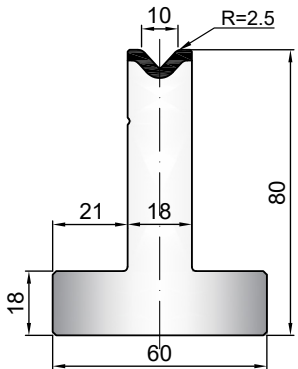
Steel: C45

Cod.	α	T/mt	Kg/mt
30.802	85°	100	15.5



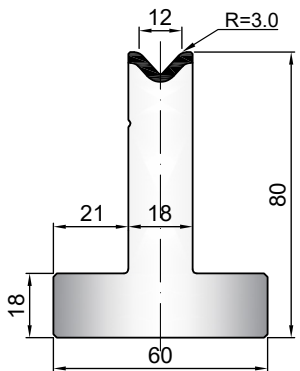
Steel: C45

Cod.	α	T/mt	Kg/mt
30.803	85°	100	17



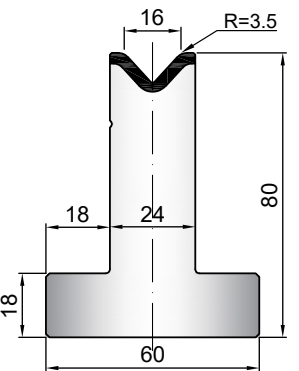
Steel: C45

Cod.	α	T/mt	Kg/mt
30.804	85°	100	17



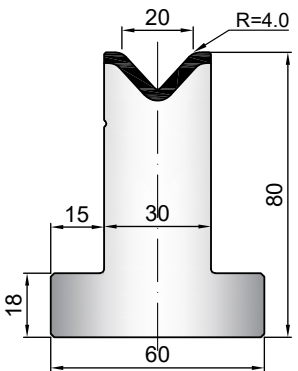
Steel: C45

Cod.	α	T/mt	Kg/mt
30.805	85°	100	20



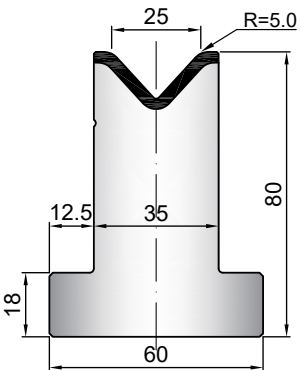
Steel: C45

Cod.	α	T/mt	Kg/mt
30.806	85°	100	22.5



Steel: C45

Cod.	α	T/mt	Kg/mt
30.807	85°	100	24.5

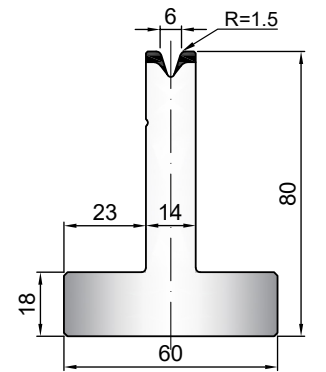


Dies

H80 - 35°

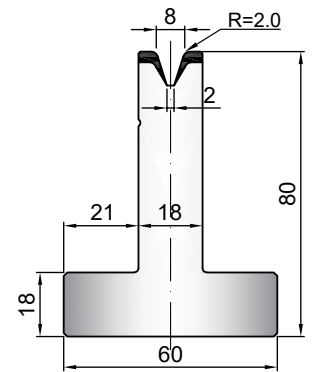
Steel: C45

Cod.	α	T/mt	Kg/mt
30.421	35°	40	15.5



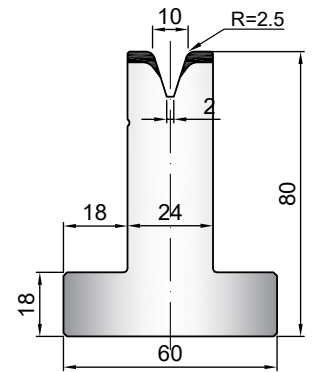
Steel: C45

Cod.	α	T/mt	Kg/mt
30.422	35°	40	17



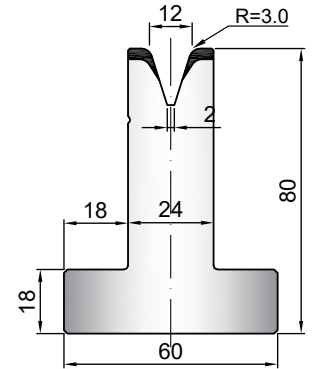
Steel: C45

Cod.	α	T/mt	Kg/mt
30.423	35°	55	20



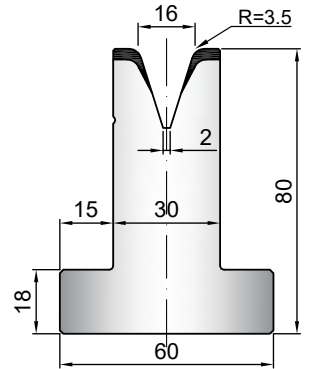
Steel: C45

Cod.	α	T/mt	Kg/mt
30.424	35°	45	20



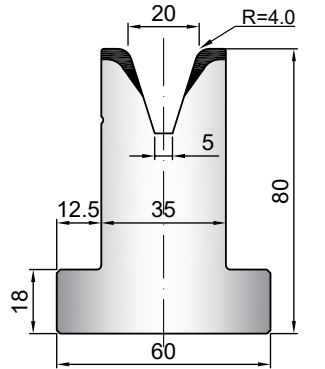
Steel: C45

Cod.	α	T/mt	Kg/mt
30.425	35°	50	22.5



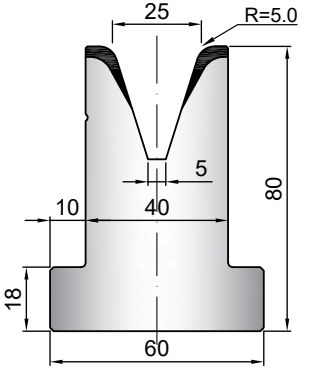
Steel: C45

Cod.	α	T/mt	Kg/mt
30.426	35°	60	24.5



Steel: C45

Cod.	α	T/mt	Kg/mt
30.427	35°	60	30

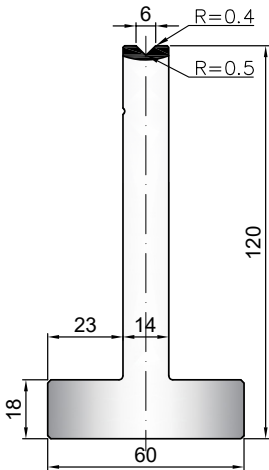


Dies

H120 - 90° / 88°

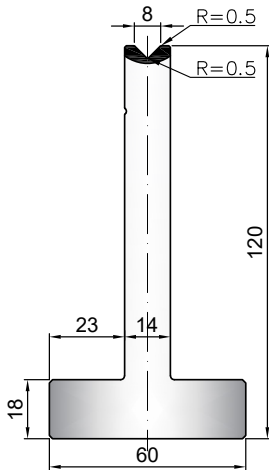
Steel: C45

Cod.	α	T/mt	Kg/mt
30.500	90°	100	19.5



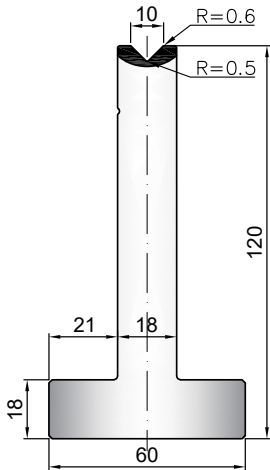
Steel: C45

Cod.	α	T/mt	Kg/mt
30.510	90°	100	19.5



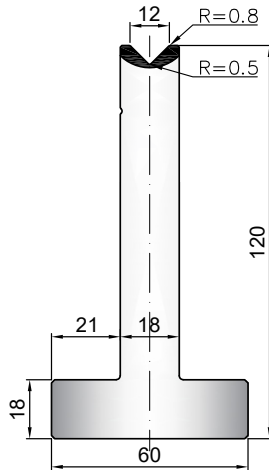
Steel: C45

Cod.	α	T/mt	Kg/mt
30.520	90°	100	23



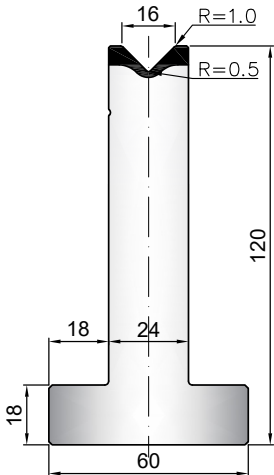
Steel: C45

Cod.	α	T/mt	Kg/mt
30.530	90°	100	23



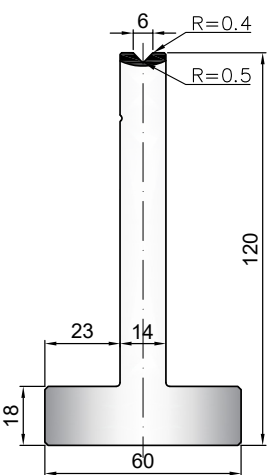
Steel: C45

Cod.	α	T/mt	Kg/mt
30.540	90°	100	27.5



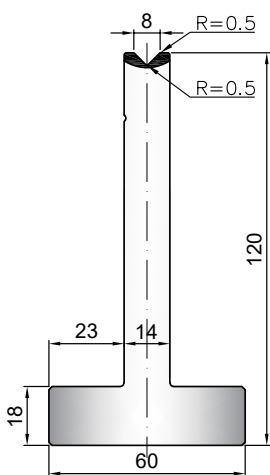
Steel: C45

Cod.	α	T/mt	Kg/mt
30.830	88°	100	19.5



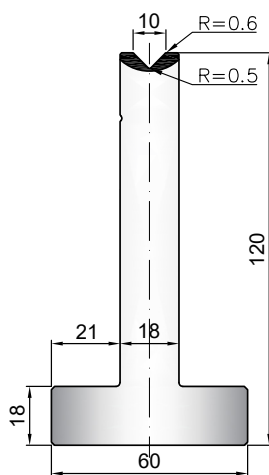
Steel: C45

Cod.	α	T/mt	Kg/mt
30.840	88°	100	19.5



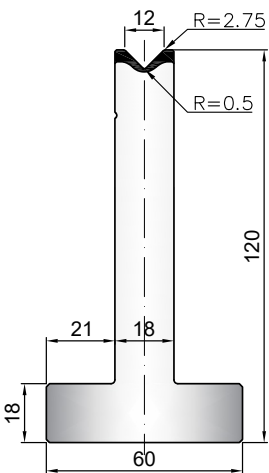
Steel: C45

Cod.	α	T/mt	Kg/mt
30.850	88°	100	23



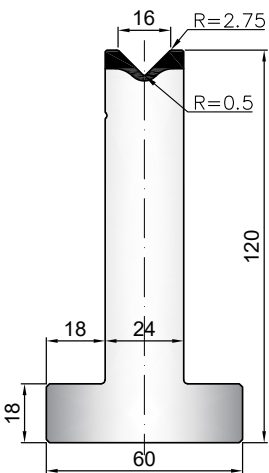
Steel: C45

Cod.	α	T/mt	Kg/mt
30.550	88°	100	23



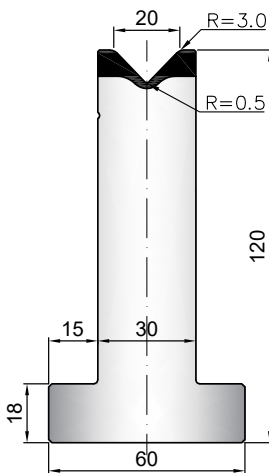
Steel: C45

Cod.	α	T/mt	Kg/mt
30.560	88°	100	27.5



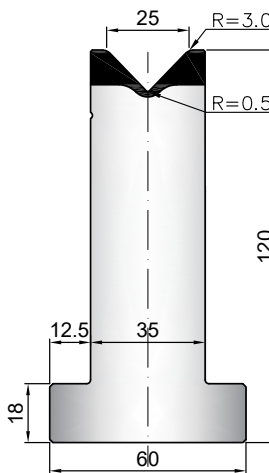
Steel: C45

Cod.	α	T/mt	Kg/mt
30.570	88°	100	32



Steel: C45

Cod.	α	T/mt	Kg/mt
30.580	88°	100	34.5

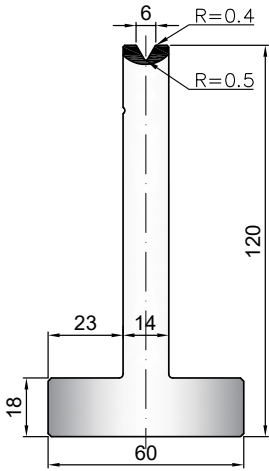


Dies

H120 - 60° / 45°

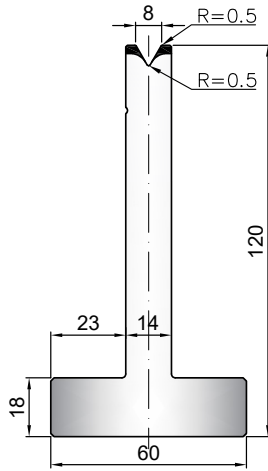
Steel: C45

Cod.	α	T/mt	Kg/mt
30.590	60°	60	19.5



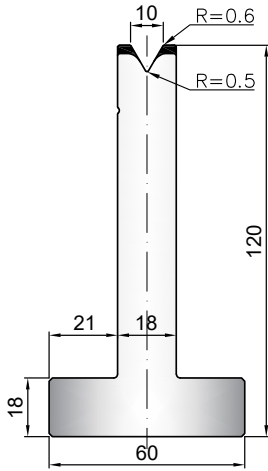
Steel: C45

Cod.	α	T/mt	Kg/mt
30.600	60°	60	19.5



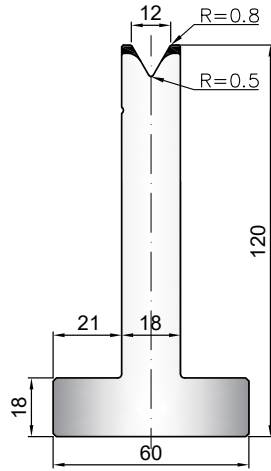
Steel: C45

Cod.	α	T/mt	Kg/mt
30.610	60°	60	23



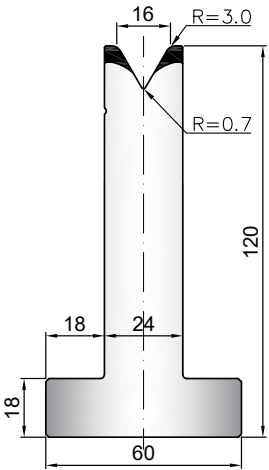
Steel: C45

Cod.	α	T/mt	Kg/mt
30.620	60°	60	23



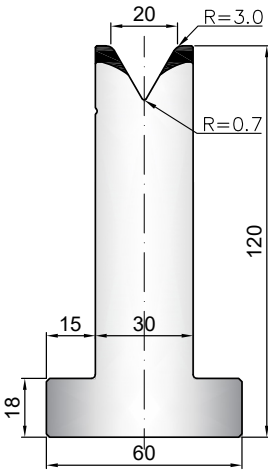
Steel: C45

Cod.	α	T/mt	Kg/mt
30.630	60°	60	27.5



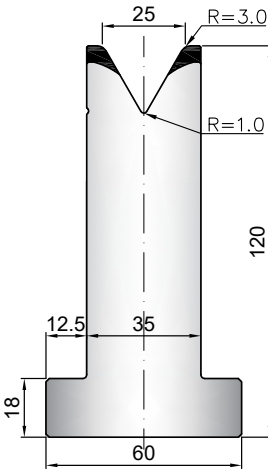
Steel: C45

Cod.	α	T/mt	Kg/mt
30.640	60°	60	32



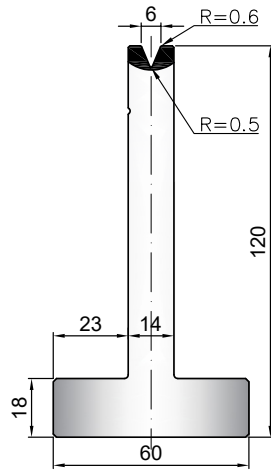
Steel: C45

Cod.	α	T/mt	Kg/mt
30.650	60°	60	34.5



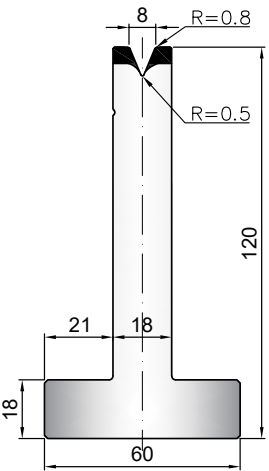
Steel: C45

Cod.	α	T/mt	Kg/mt
30.660	45°	50	19.5



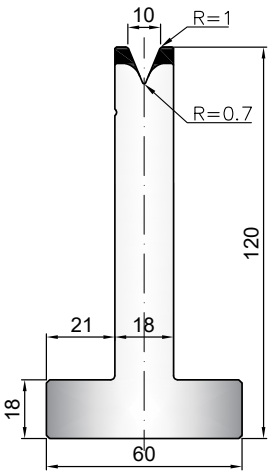
Steel: C45

Cod.	α	T/mt	Kg/mt
30.670	45°	50	23



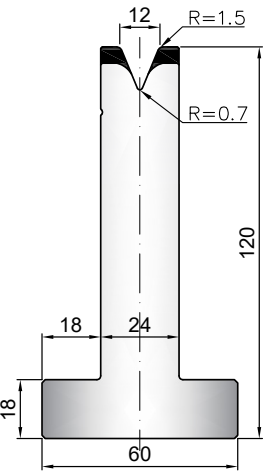
Steel: C45

Cod.	α	T/mt	Kg/mt
30.680	45°	50	23



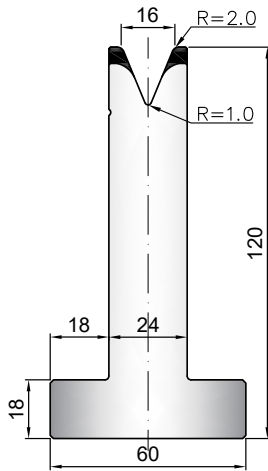
Steel: C45

Cod.	α	T/mt	Kg/mt
30.690	45°	50	27.5



Steel: C45

Cod.	α	T/mt	Kg/mt
30.700	45°	50	27.5

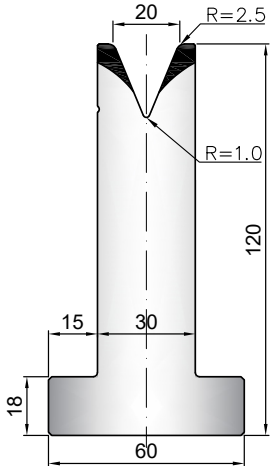


Dies

H120 - 45° / 30°

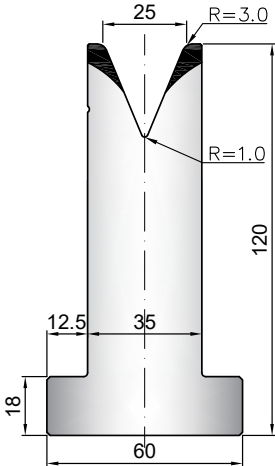
Steel: C45

Cod.	α	T/mt	Kg/mt
30.710	45°	50	32



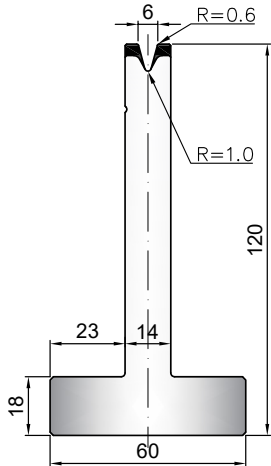
Steel: C45

Cod.	α	T/mt	Kg/mt
30.720	45°	50	34.5



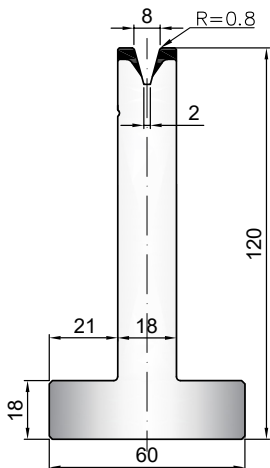
Steel: C45

Cod.	α	T/mt	Kg/mt
30.730	30°	35	19.5



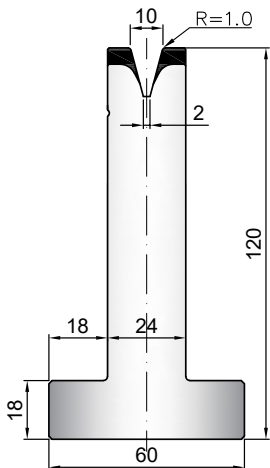
Steel: C45

Cod.	α	T/mt	Kg/mt
30.740	30°	35	23



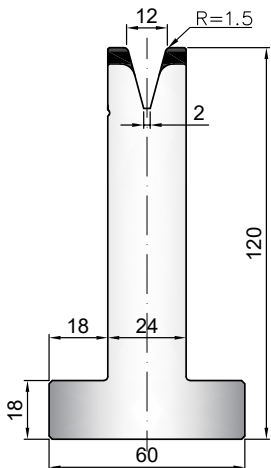
Steel: C45

Cod.	α	T/mt	Kg/mt
30.750	30°	50	27.5



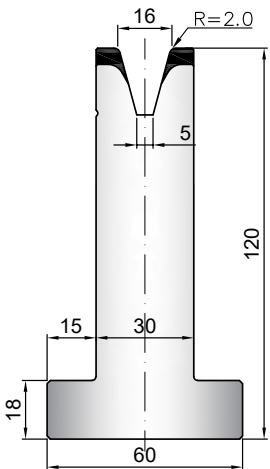
Steel: C45

Cod.	α	T/mt	Kg/mt
30.760	30°	40	27.5



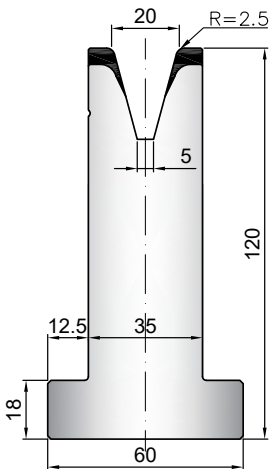
Steel: C45

Cod.	α	T/mt	Kg/mt
30.770	30°	45	32



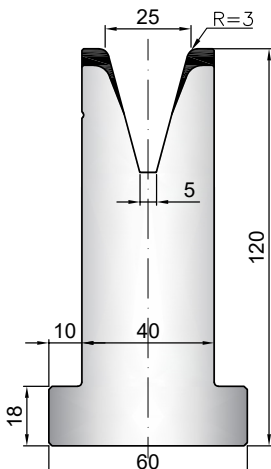
Steel: C45

Cod.	α	T/mt	Kg/mt
30.780	30°	50	34.5



Steel: C45

Cod.	α	T/mt	Kg/mt
30.790	30°	50	36

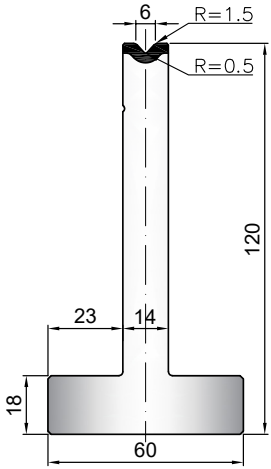


Dies

H120 - 85°

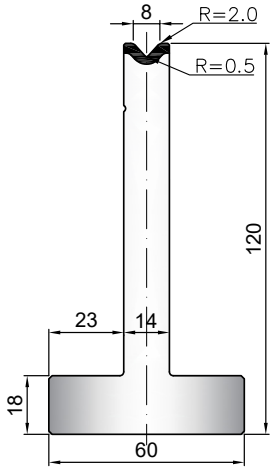
Steel: C45

Cod.	α	T/mt	Kg/mt
30.831	85°	100	19.5



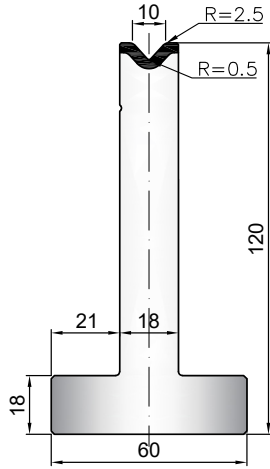
Steel: C45

Cod.	α	T/mt	Kg/mt
30.832	85°	100	19.5



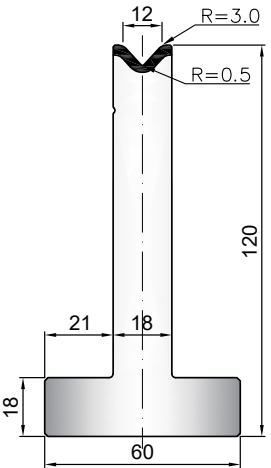
Steel: C45

Cod.	α	T/mt	Kg/mt
30.833	85°	100	23



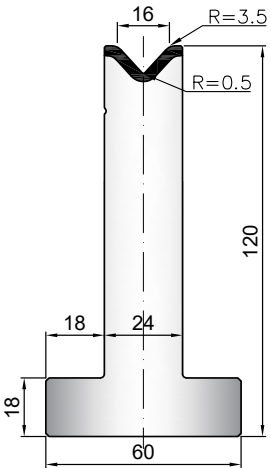
Steel: C45

Cod.	α	T/mt	Kg/mt
30.834	85°	100	23



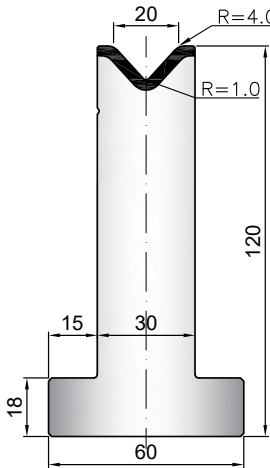
Steel: C45

Cod.	α	T/mt	Kg/mt
30.835	85°	100	27.5



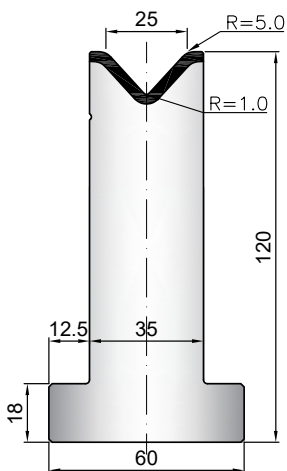
Steel: C45

Cod.	α	T/mt	Kg/mt
30.836	85°	100	32



Steel: C45

Cod.	α	T/mt	Kg/mt
30.837	85°	100	34.5

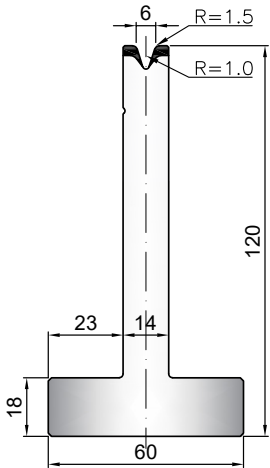


Dies

H120 - 35°

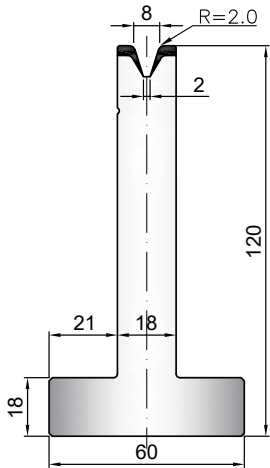
Steel: C45

Cod.	α	T/mt	Kg/mt
30.731	35°	40	19.5



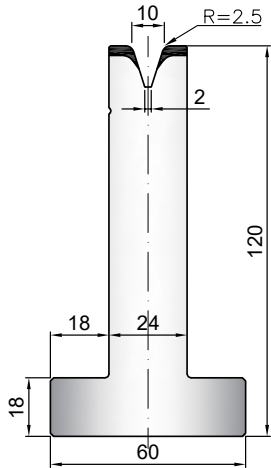
Steel: C45

Cod.	α	T/mt	Kg/mt
30.732	35°	40	23



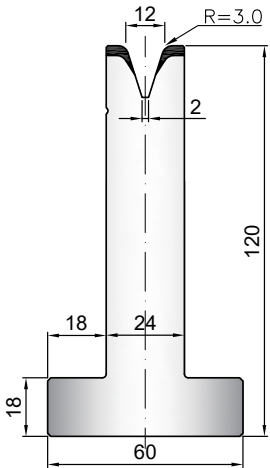
Steel: C45

Cod.	α	T/mt	Kg/mt
30.733	35°	55	27.5



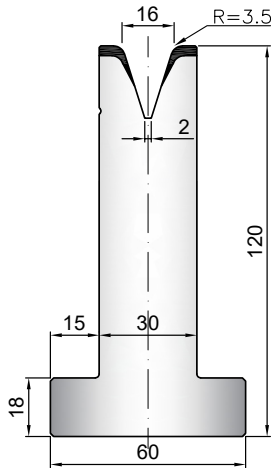
Steel: C45

Cod.	α	T/mt	Kg/mt
30.734	35°	45	27.5



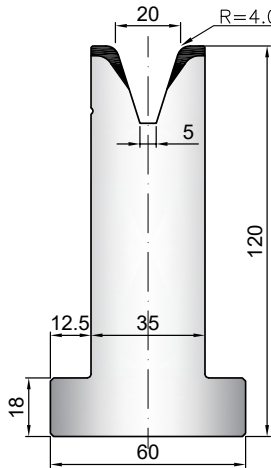
Steel: C45

Cod.	α	T/mt	Kg/mt
30.735	35°	50	32



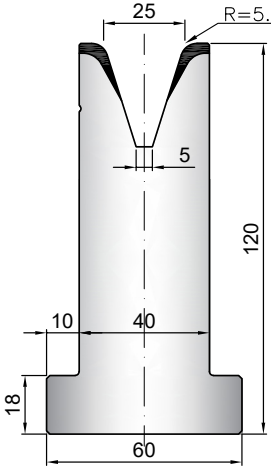
Steel: C45

Cod.	α	T/mt	Kg/mt
30.736	35°	60	34.5



Steel: C45

Cod.	α	T/mt	Kg/mt
30.737	35°	60	36

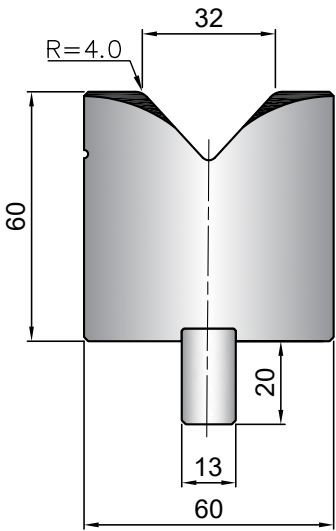


Dies

85° / Tang 13x20mm

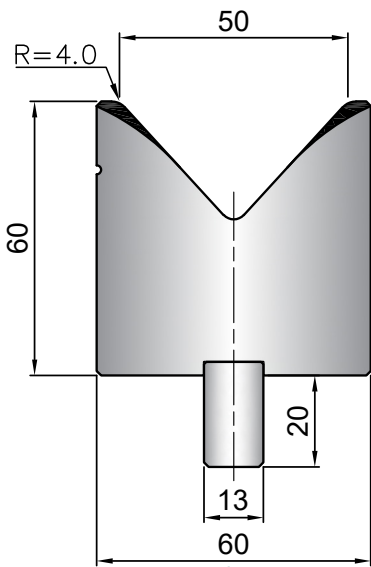
Steel: C45

Cod.	α	V	T/mt
20.200B	85°	32	100



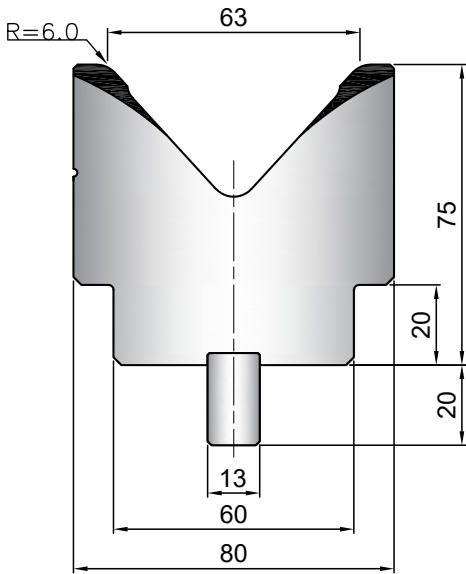
Steel: C45

Cod.	α	V	T/mt
20.220B	85°	50	100



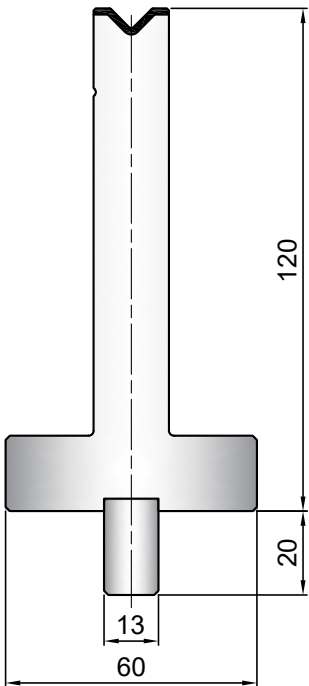
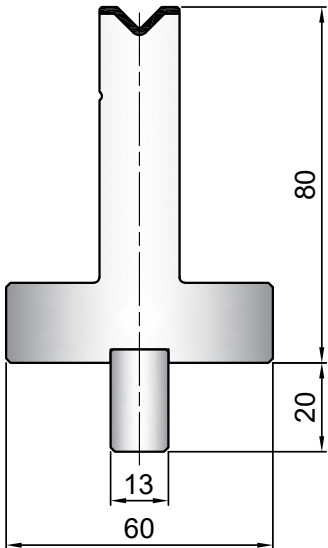
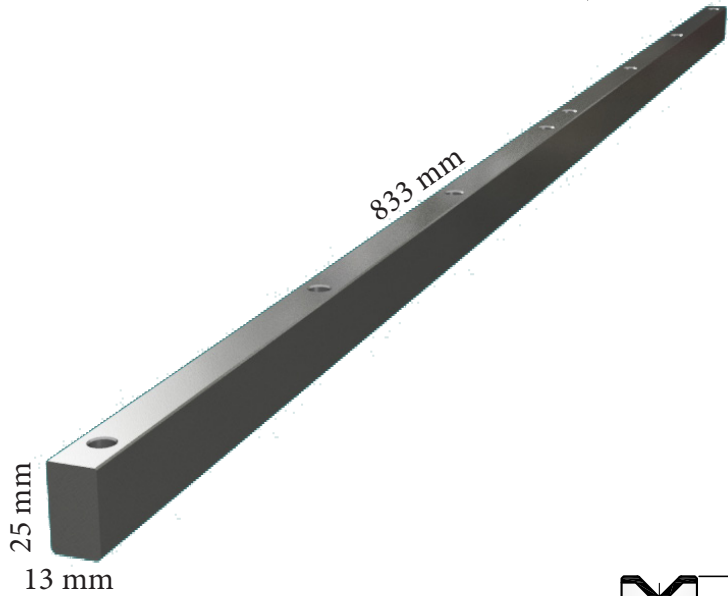
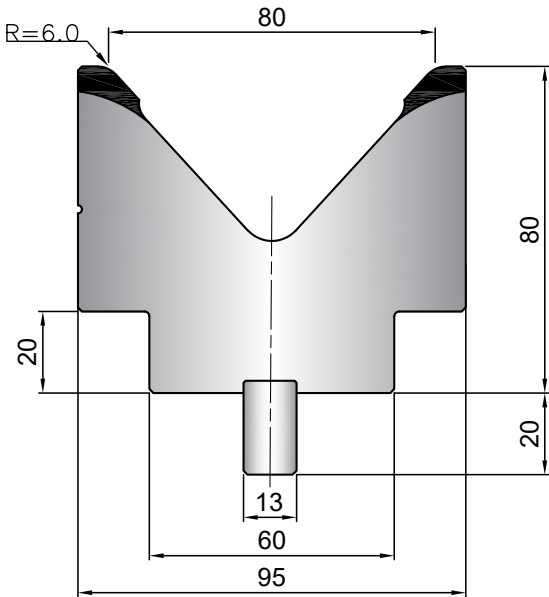
Steel: C45

Cod.	α	V	T/mt
20.230B	85°	63	100



Steel: C45

Cod.	α	V	T/mt
20.240B	85°	80	100



All T-Dies are available with 13 mm tang

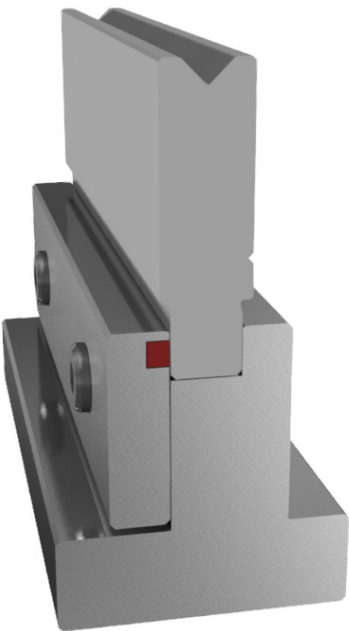
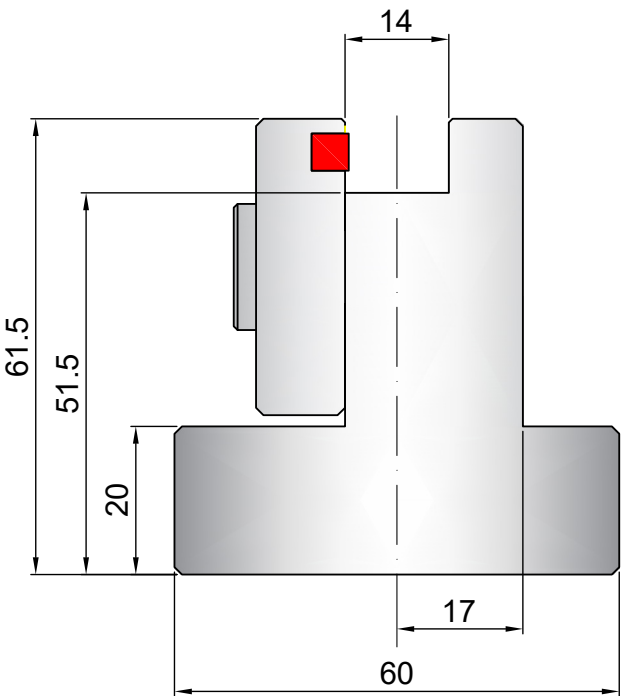
Holders



Holder for inserted dies

Steel: C45

Cod.
31.730

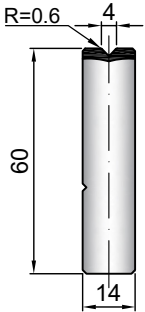


Dies

88° / 30°

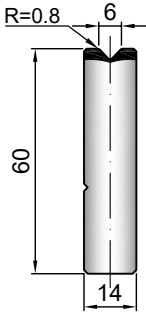
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.804	88°	100	6.5



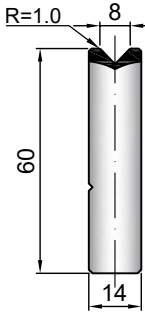
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.806	88°	100	6.5



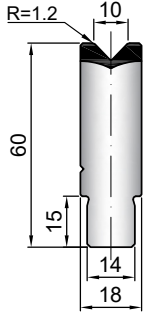
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.808	88°	100	6.5



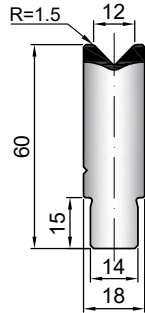
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.810	88°	100	8



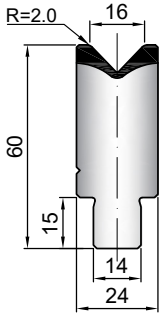
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.812	88°	100	8



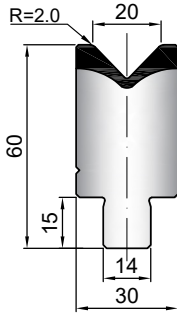
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.816	88°	100	9.5



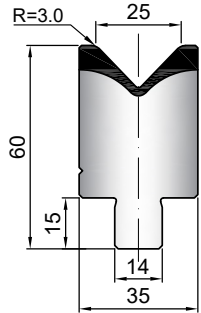
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.820	88°	100	11.5



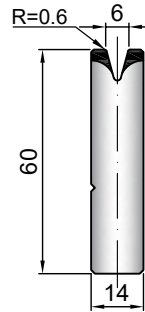
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.825	88°	100	13



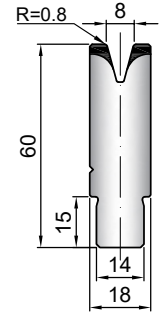
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.306	30°	35	6.5



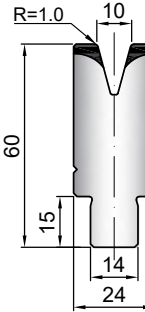
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.308	30°	35	8



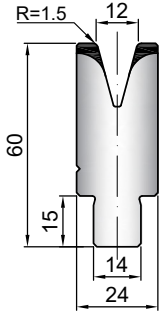
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.310	30°	35	9.5



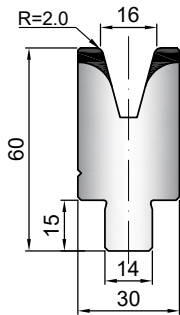
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.312	30°	40	9.5



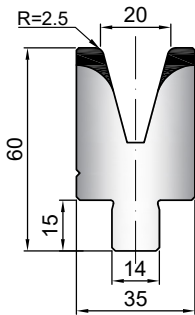
acciaio / Steel: C45

Cod.	α	T/mt	Kg/mt
AM.316	30°	45	11.5



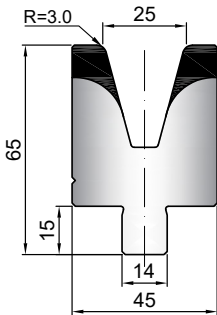
Steel: C45

Cod.	α	T/mt	Kg/mt
AM.320	30°	50	13

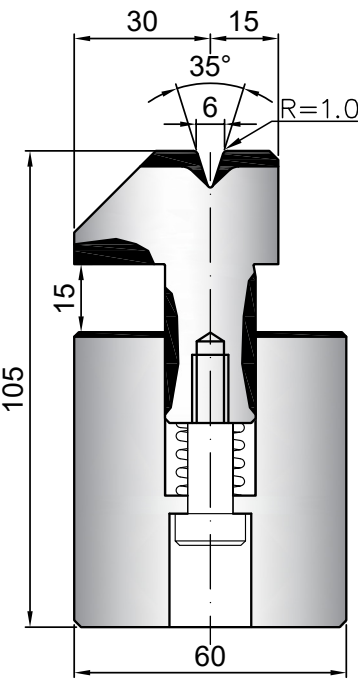


Steel: C45

Cod.	α	T/mt	Kg/mt
AM.325	30°	50	15.5



Flattening tools



Steel: C45

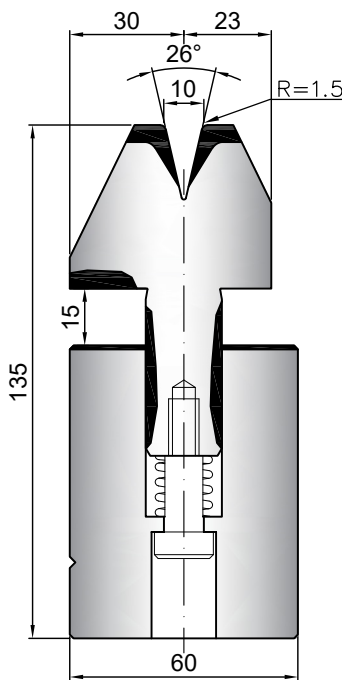
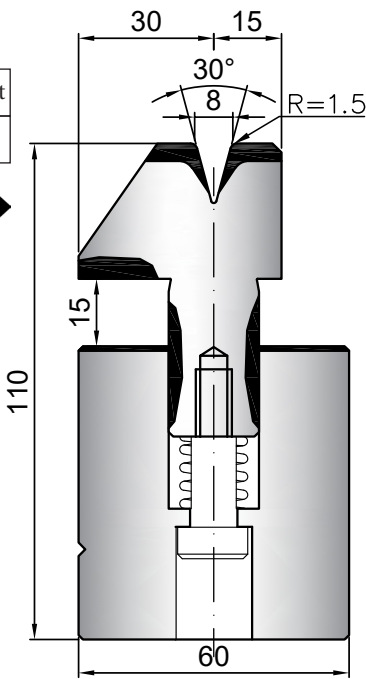
Cod.	α	T/mt	Kg/mt
30.390	35°	80	38

← Max thickness
10/10

Steel: C45

Cod.	α	T/mt	Kg/mt
30.410	30°	80	39

Max thickness
15/10 →



Steel: C45

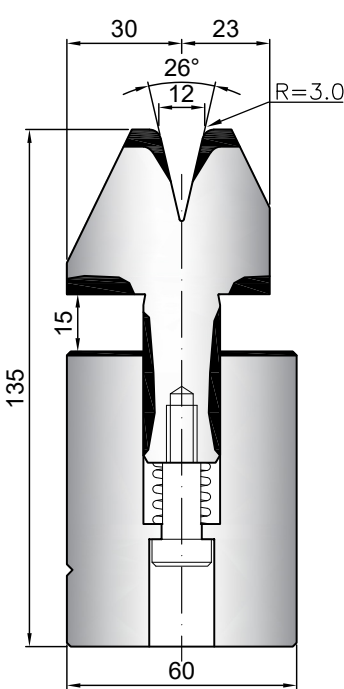
Cod.	α	T/mt	Kg/mt
30.380	26°	100	46

← Max thickness
from 15/10
to 25/10

Steel: C45

Cod.	α	T/mt	Kg/mt
30.400	26°	100	45.5

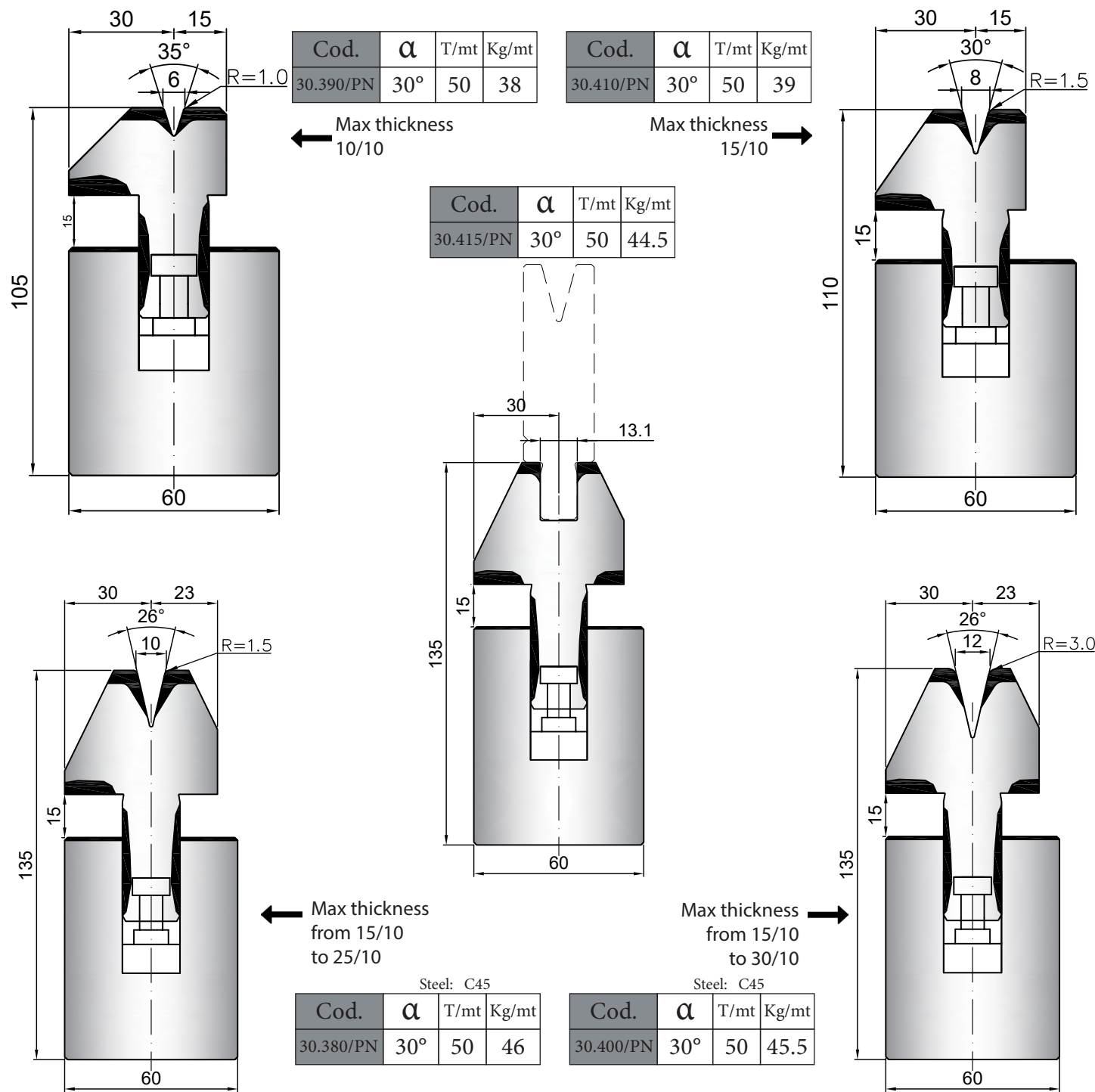
Max thickness
from 15/10
to 30/10 →



MATERIAL - ACC.R ~ 40 Kg/mm ²				
S(mm)	T(mm)	(t/m)	2S(mm)	(t/m)
0.6	3	9	1.2	23
0.8	3	12	1.6	32
1.0	3.5	15	2.0	40
1.25	3.5	17	2.5	50
1.5	4.6	22	3.0	63
2.0	5.5	30	4.0	80
2.5	6.5	55	5.0	90
3.0	8.0	70	6.0	100

MATERIAL - ACC.R ~ 70 Kg/mm ²				
S(mm)	T(mm)	(t/m)	2S(mm)	(t/m)
0.6	3	9	1.2	23
0.8	3	12	1.6	32
1.0	3.5	15	2.0	40
1.25	3.5	17	2.5	50
1.5	4.6	22	3.0	63
2.0	5.5	30	4.0	80

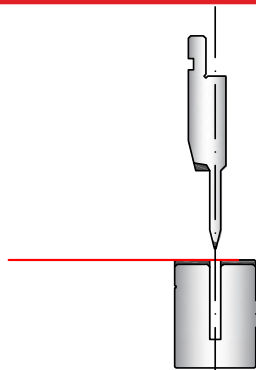
Pneumatic flattening tools



MATERIAL - ACC.R ~ 40 Kg/mm ²				
S(mm)	T(mm)	(t/m)	2S(mm)	(t/m)
0.6	3	9	1.2	23
0.8	3	12	1.6	32
1.0	3.5	15	2.0	40
1.25	3.5	17	2.5	50
1.5	4.6	22	3.0	63
2.0	5.5	30	4.0	80
2.5	6.5	55	5.0	90
3.0	8.0	70	6.0	100

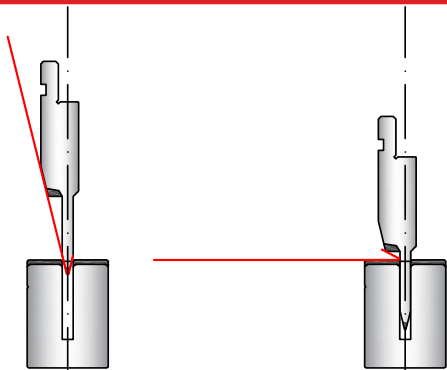
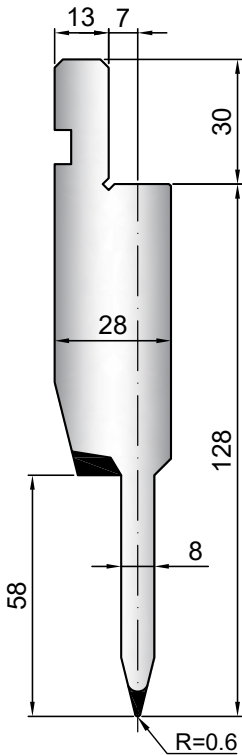
MATERIAL - ACC.R ~ 70 Kg/mm ²				
S(mm)	T(mm)	(t/m)	2S(mm)	(t/m)
0.6	3	9	1.2	23
0.8	3	12	1.6	32
1.0	3.5	15	2.0	40
1.25	3.5	17	2.5	50
1.5	4.6	22	3.0	63
2.0	5.5	30	4.0	80

Flattening tools



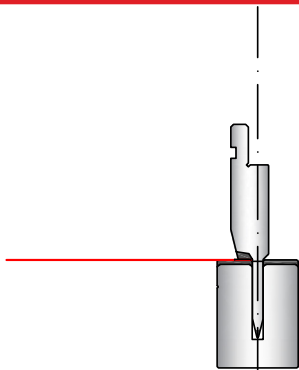
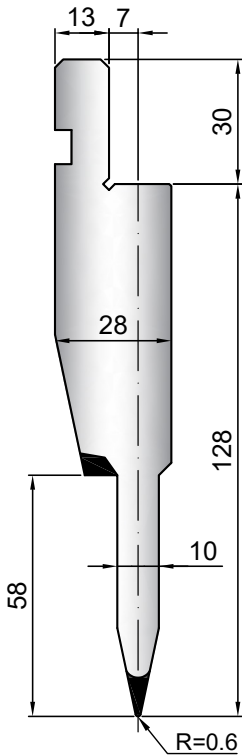
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
11.950	28°	80	21



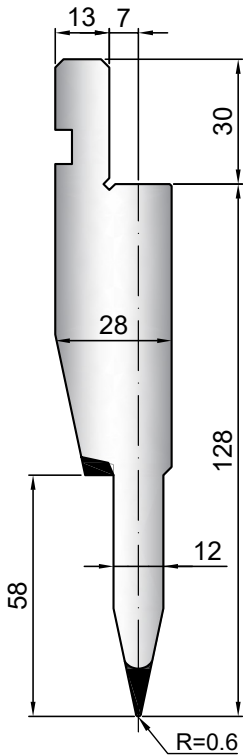
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
11.960	24°	80	21



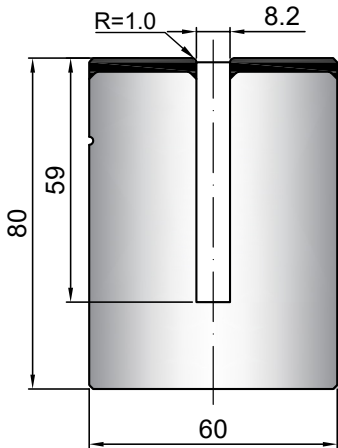
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
11.970	24°	80	21



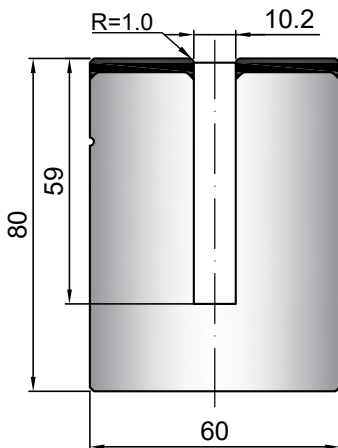
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.760	50	34



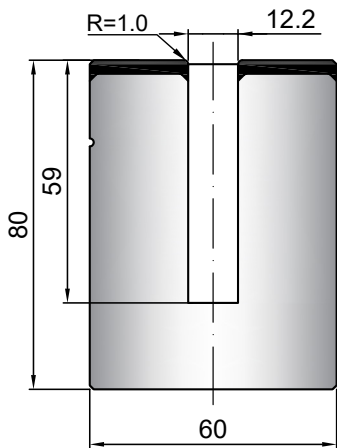
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.770	50	34



Steel: 1.2312 Quenched

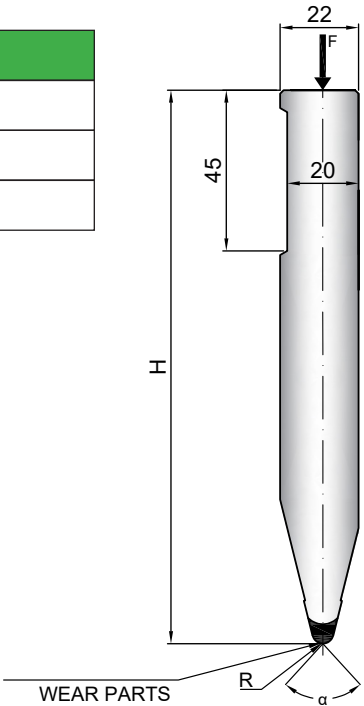
Cod.	T/mt	Kg/mt
31.780	50	34



Bystronic

 Punches are available in the following standard lengths: 500 mm - 1000 mm - 1100 mm sectioned

Description
H = Height
α = Degree
R = Radius



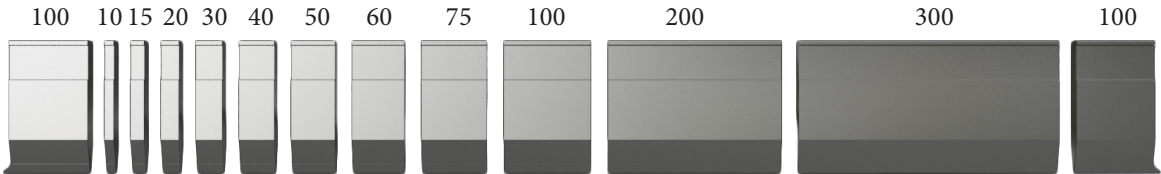
500 mm



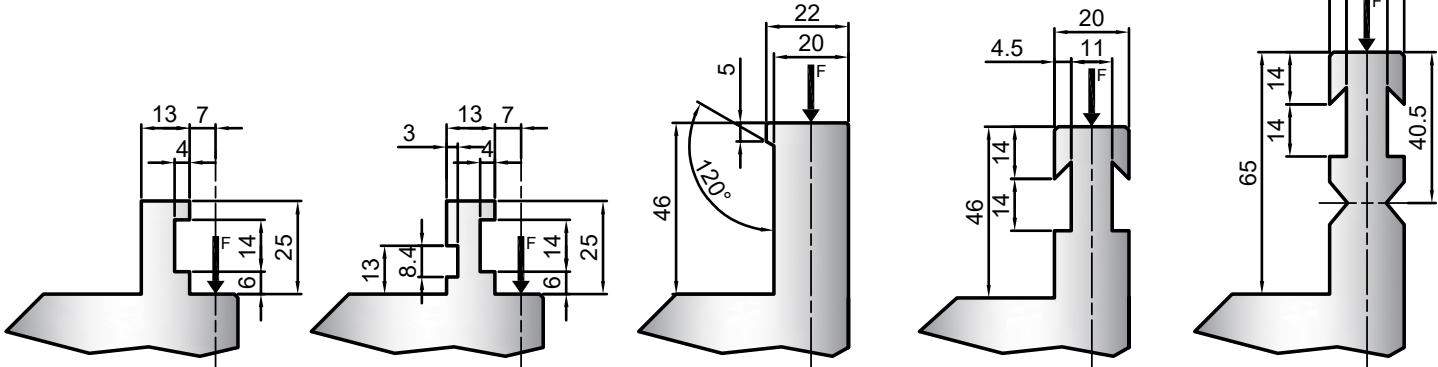
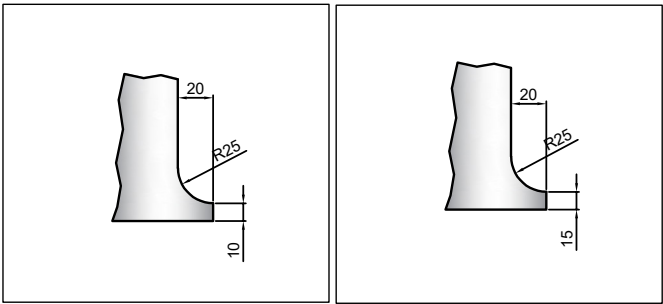
1000 mm



1100 mm Sect.



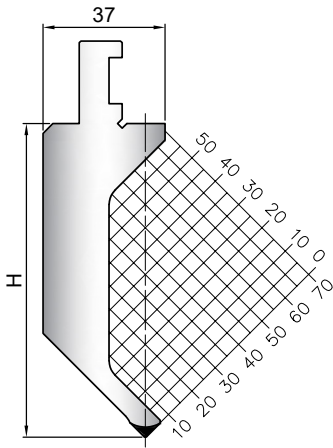
Horns



Punches

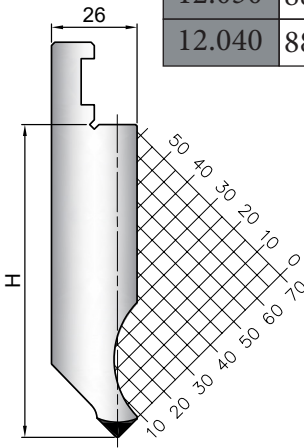
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.010	90°	0.60	95.00	20



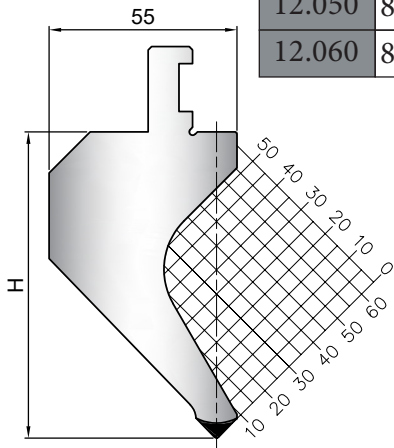
Steel: C45

Cod.	α	R	H	T/mt
12.020	90°	0.80	95.00	100
12.030	88°	0.80	95.00	100
12.040	88°	2.00	95.00	100



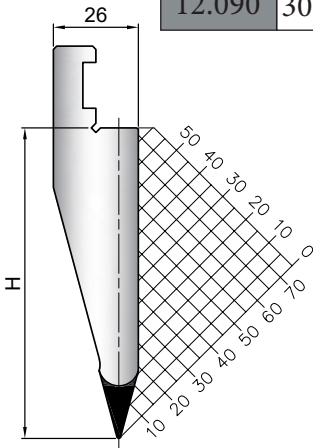
Steel: C45

Cod.	α	R	H	T/mt
12.050	88°	0.80	89.64	60
12.060	88°	2.00	88.97	60



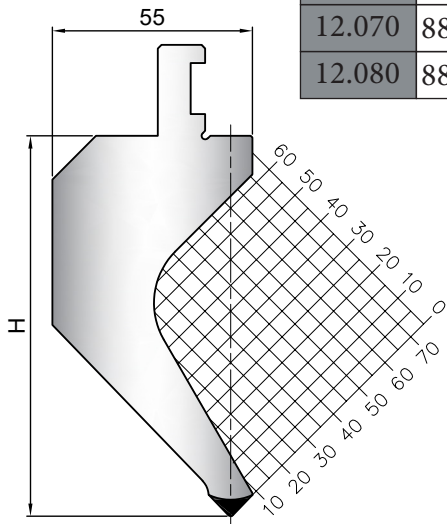
Steel: C45

Cod.	α	R	H	T/mt
12.090	30°	0.60	95.00	100



Steel: C45

Cod.	α	R	H	T/mt
12.070	88°	0.80	104.50	50
12.080	88°	2.00	103.97	50

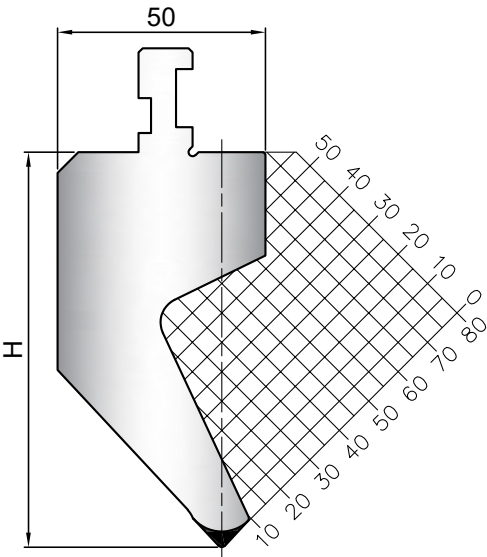


Punches

Amada / Safan

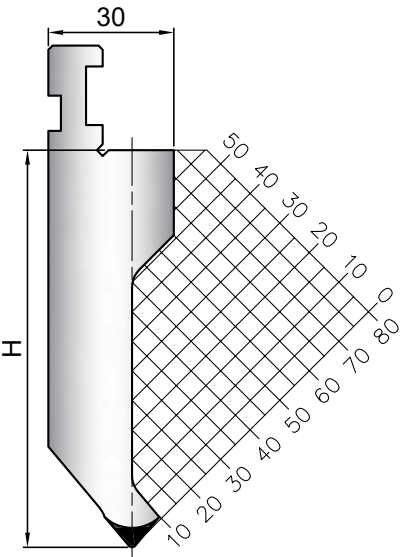
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.850	86°	1.00	95.00	100



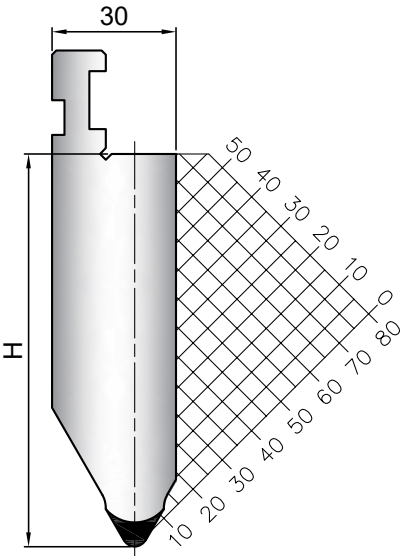
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.860	80°	1.00	95.00	100



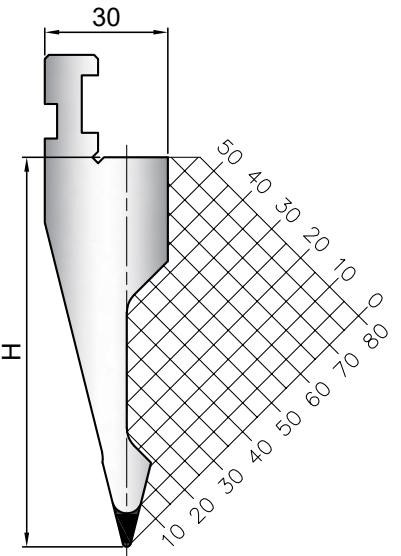
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.870	60°	3.00	95.00	100



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.880	28°	1.00	95.00	100

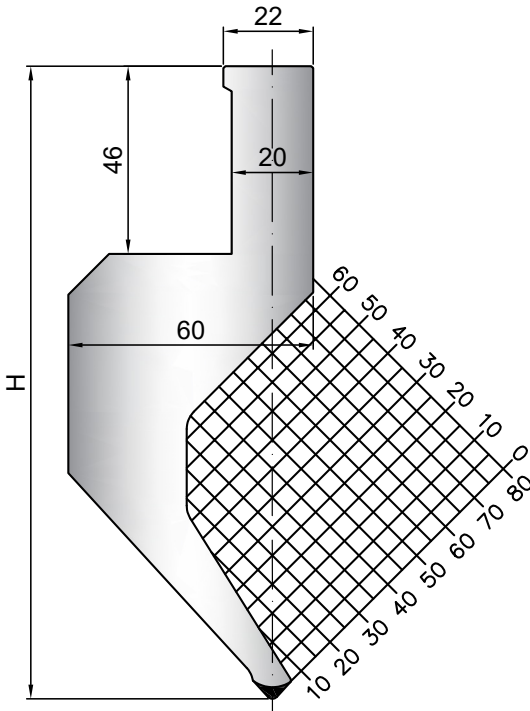


Punches

Bystronic - S

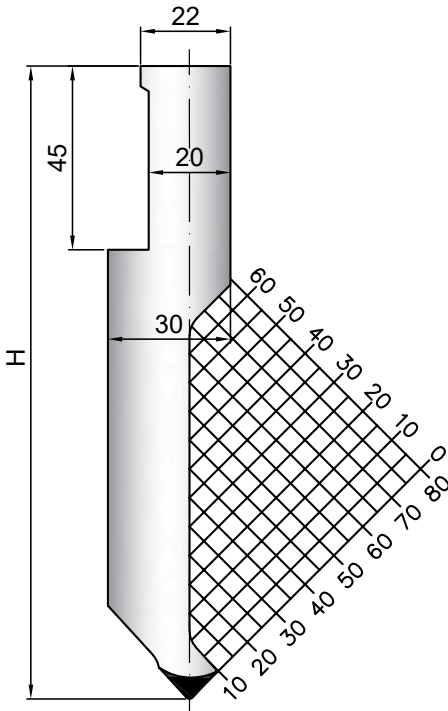
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.100	85°	1.50	155.00	50
12.110	85°	0.80	155.00	50



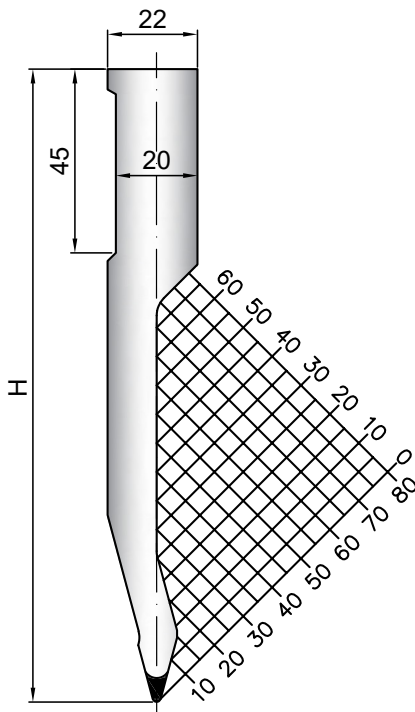
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.120	85°	1.00	155.00	100



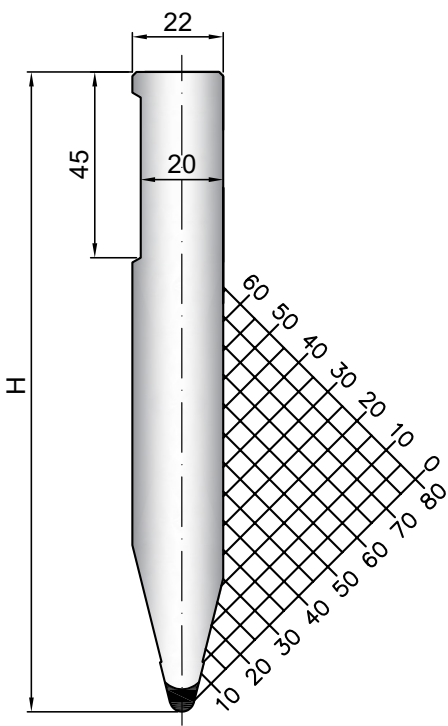
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.130	30°	1.00	155.00	80
12.140	28°	1.00	155.00	80



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.150	28°	3.00	155.00	100

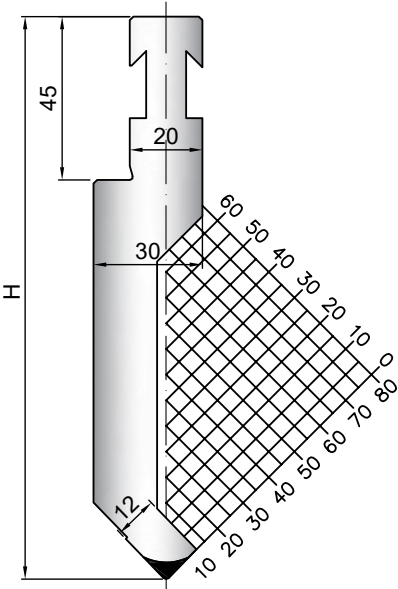


Punches

Bystronic - R

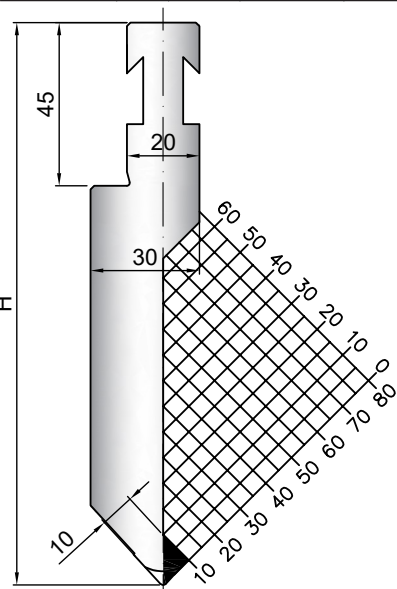
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.182	88°	1.00	155.00	100



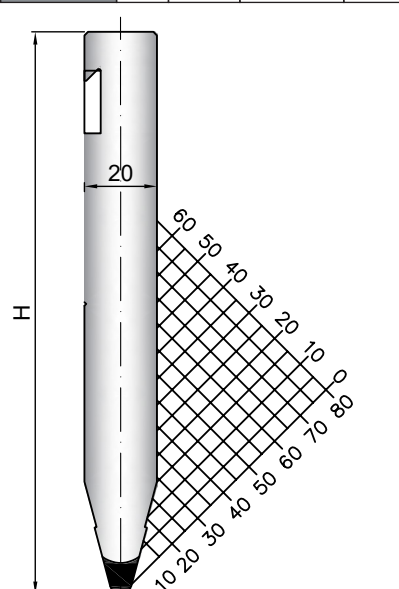
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.180	88°	1.00	155.00	100
12.181	85°	1.00	155.00	100



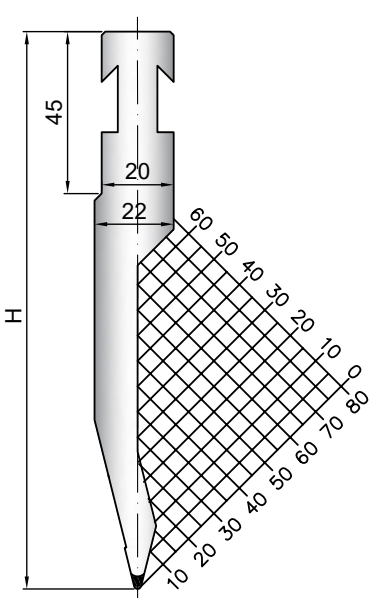
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.250	30°	3.00	155.00	100
12.260	30°	1.00	155.00	100



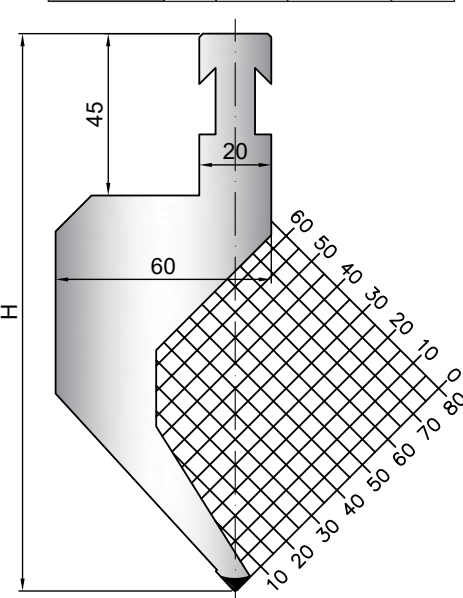
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.200	30°	1.00	155.00	80
12.210	28°	1.00	155.00	80



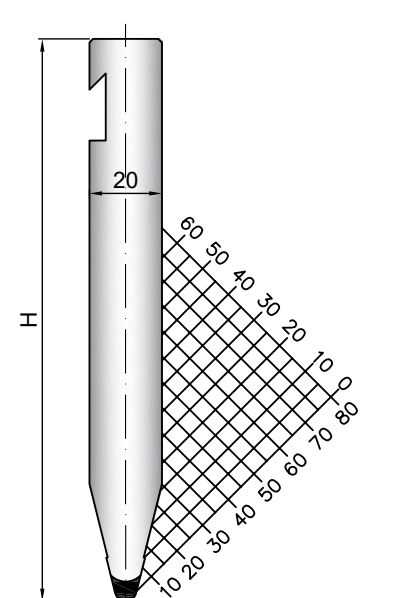
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.160	85°	1.50	155.00	50
12.170	85°	0.80	155.00	50
12.230	88°	1.50	155.00	50



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.251	28°	3.00	155.00	100
12.252	28°	1.00	155.00	100

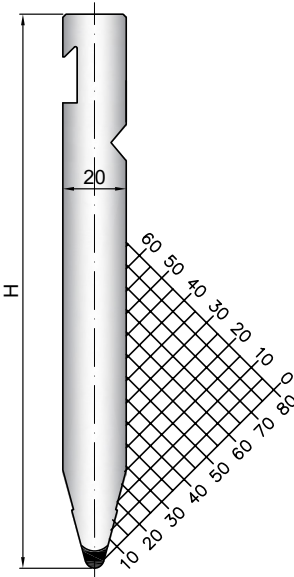


Punches

Bystronic - RFA

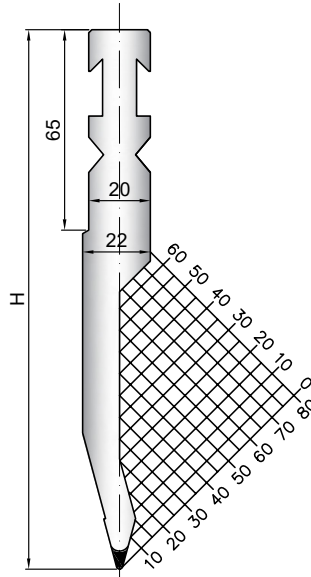
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.310	30°	3.00	175.00	100
12.320	30°	1.00	175.00	100



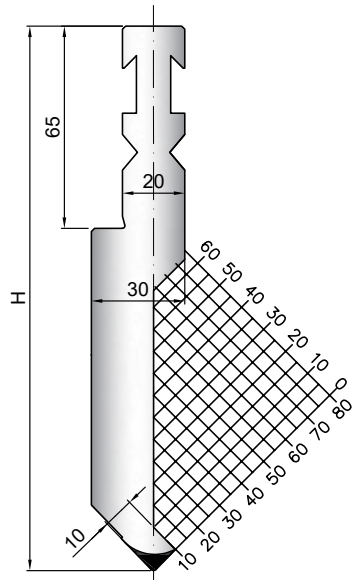
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.300	30°	1.00	175.00	80



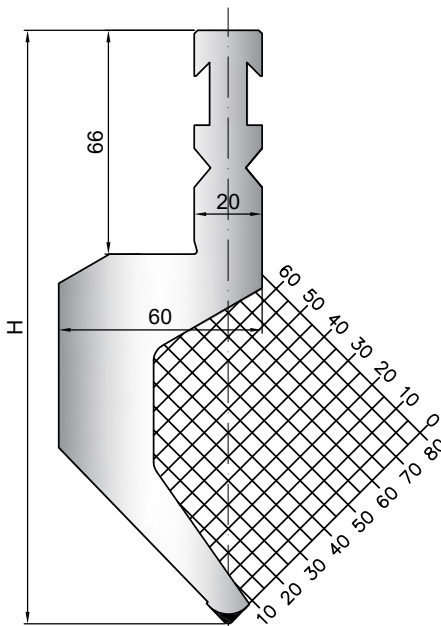
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.290	88°	1.00	175.00	100
12.291	85°	1.00	175.00	100



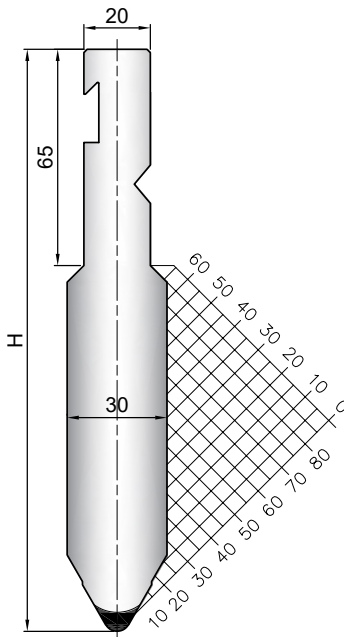
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.270	88°	1.50	175.00	50
12.271	85°	1.00	175.00	50



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.999	60°	4.00	175.00	160



Punches

Bystronic - RFA

Steel: 1.2312 Quenched

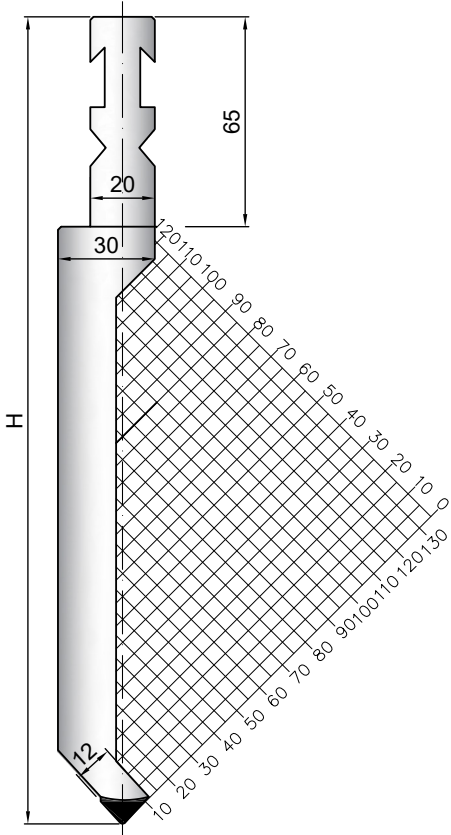
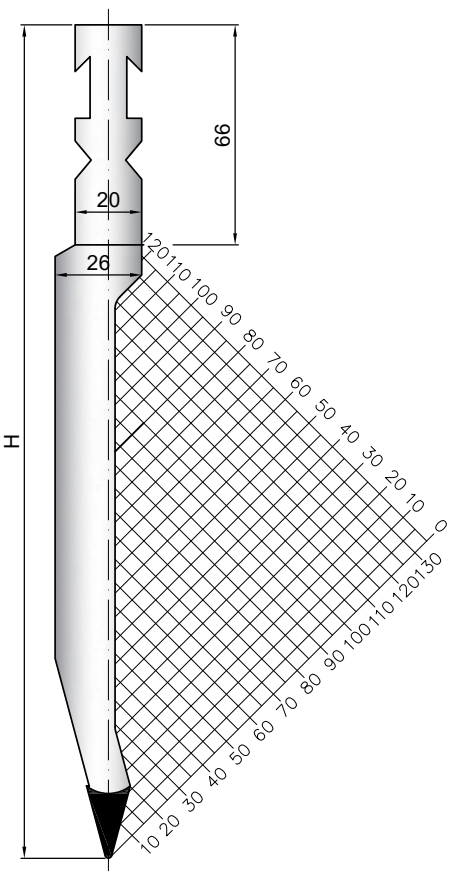
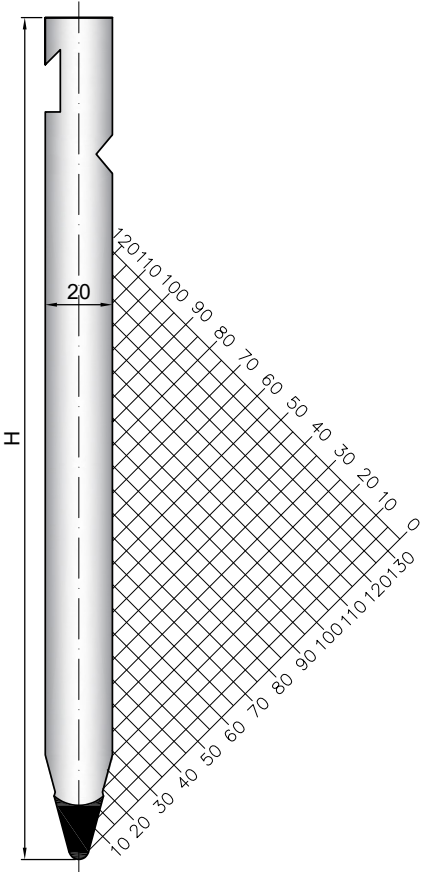
Cod.	α	R	H	T/mt
12.991	30°	3.00	250.00	100
12.992	30°	1.00	250.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.993	30°	1.00	250.00	80
12.994	26°	1.00	250.00	80

Steel: 1.2312 Quenched

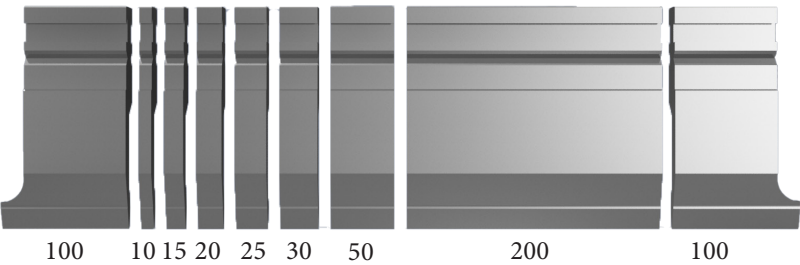
Cod.	α	R	H	T/mt
12.995	85°	1.00	250.00	100



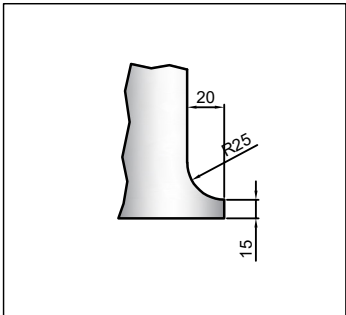
500 mm



550 mm Sect.



HORNS SCHEME STANDARD SECTIONING

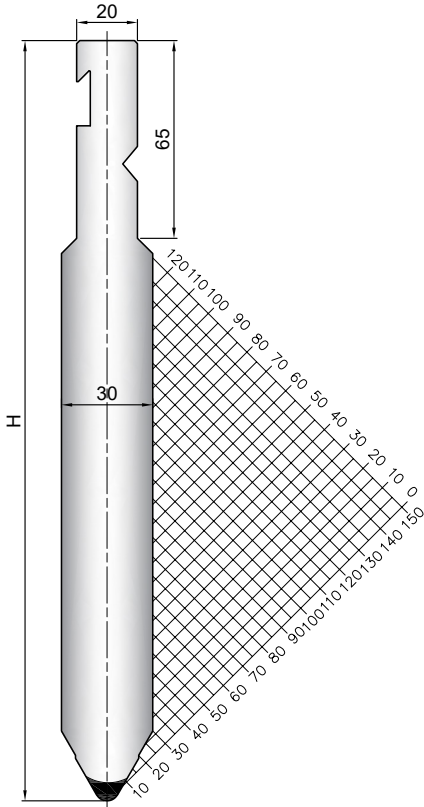


Punches

Bystronic - RFA

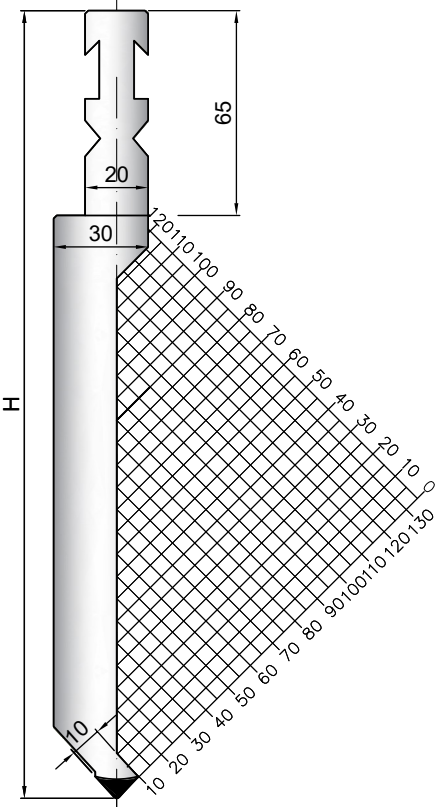
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.980	60°	4.00	250.00	160



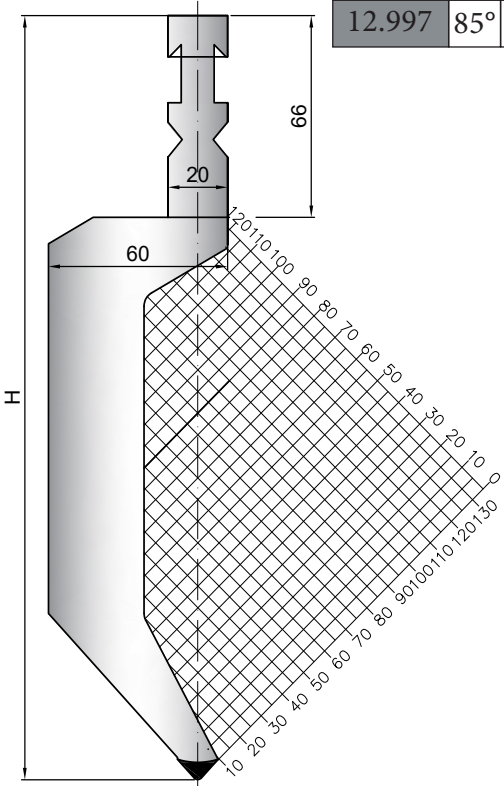
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.996	85°	1.00	250.00	100



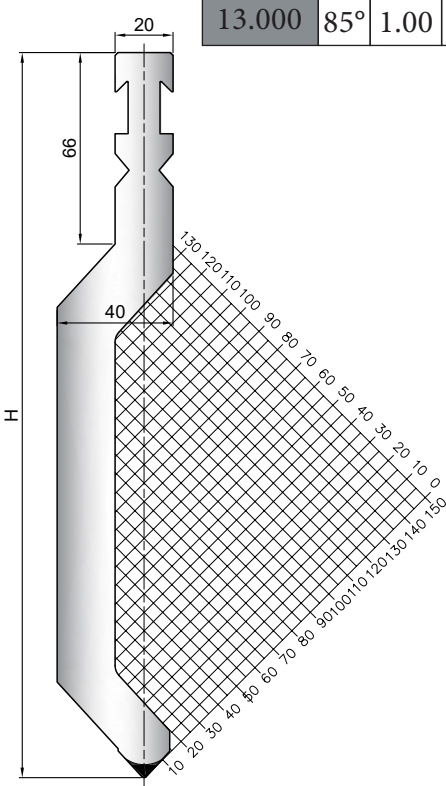
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.997	85°	1.50	250.00	50



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.000	85°	1.00	250.00	85

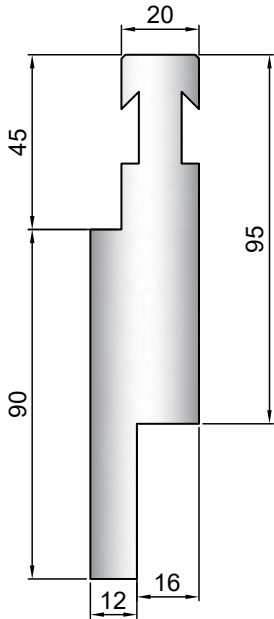


Blade holders

Beyeler - R

Steel: 1.2312 Quenched

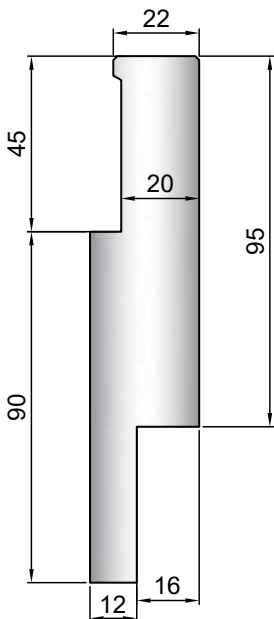
Cod.	T/mt
10.441	100



Beyeler - S

Steel: 1.2312 Quenched

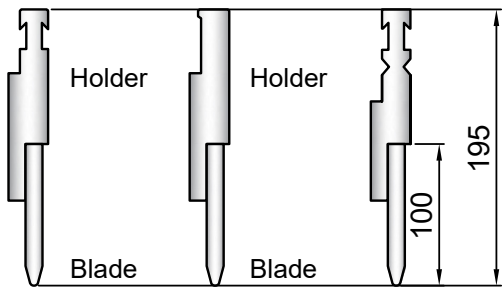
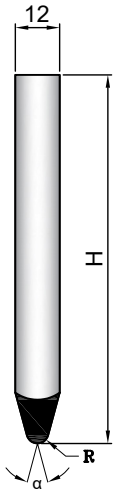
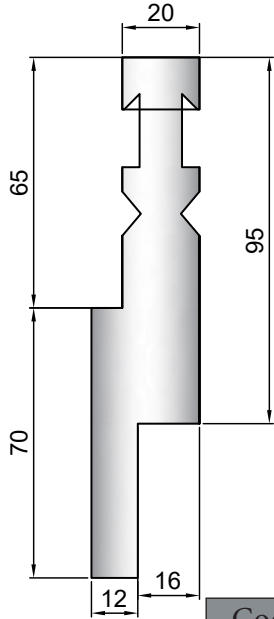
Cod.	T/mt
10.442	100



Beyeler - RFA

Steel: 1.2312 Quenched

Cod.	T/mt
10.443	80



Steel: 1.2312 Quenched

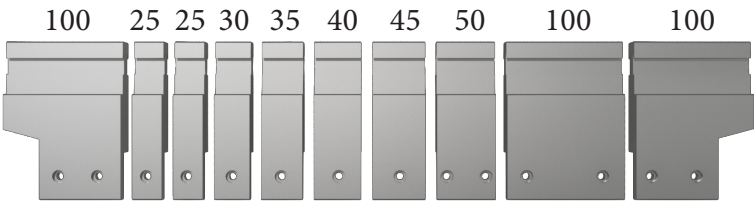
Cod.	α	R	H	T/mt
13.500	28°	0.50	100.00	100
13.501	28°	1.00	100.00	100
13.502	28°	2.00	100.00	100
13.503	28°	3.00	100.00	100
13.504	28°	4.00	100.00	100
13.505	28°	5.00	100.00	100
13.506	28°	6.00	100.00	100

Holder

500

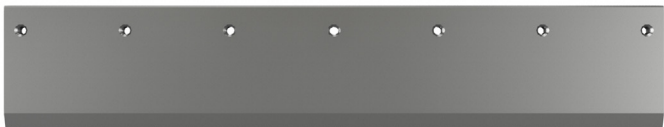


550 mm

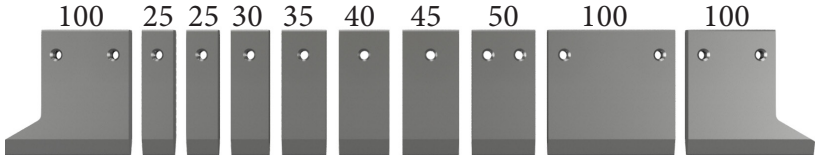


Blade

500



550 mm



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.520	84°	1.00	100.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.530	86°	1.00	100.00	100

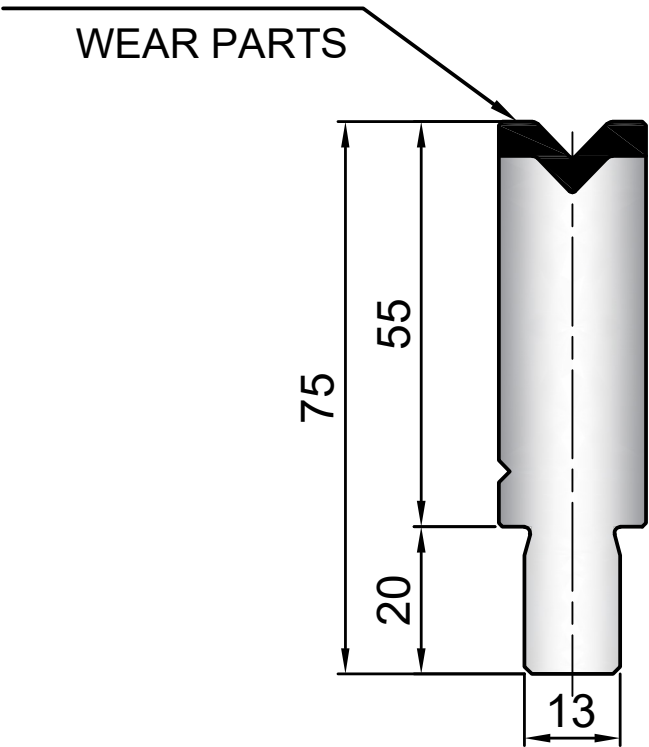
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.550	90°	0.50	100.00	100
13.551	90°	1.00	100.00	100
13.552	90°	1.50	100.00	100
13.553	90°	2.00	100.00	100

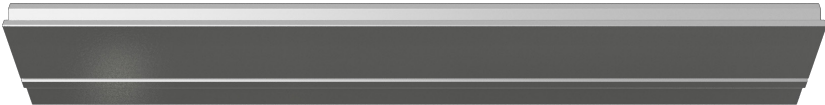
Dies



Dies are available in the following standard lengths: 500 mm - 1000 mm - 1100 mm sectioned



500 mm

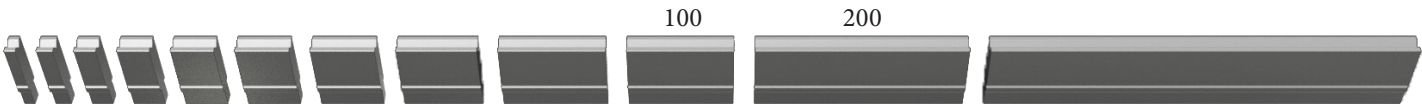


1000 mm



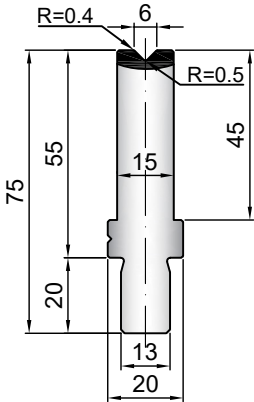
10 15 20 30 40 50 60 75 100 400

1100 mm Sect.



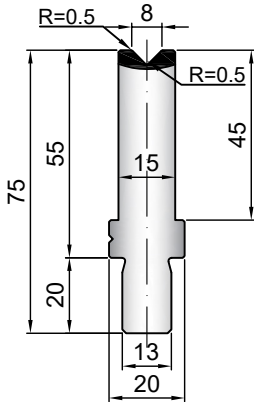
Steel: C45

Cod.	α	T/mt	Kg/mt
31.010	90°	100	8.8



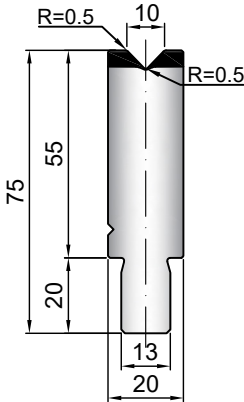
Steel: C45

Cod.	α	T/mt	Kg/mt
31.020	90°	100	8.8



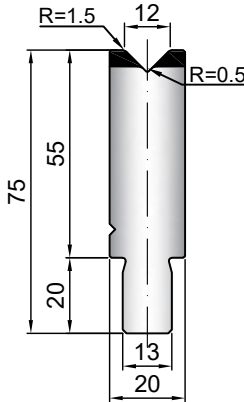
Steel: C45

Cod.	α	T/mt	Kg/mt
31.030	90°	100	10.5



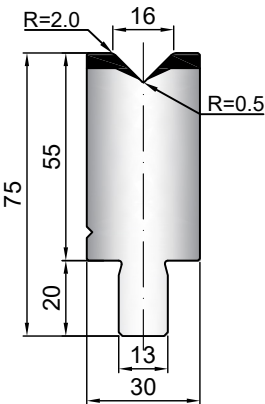
Steel: C45

Cod.	α	T/mt	Kg/mt
31.040	90°	100	10.5



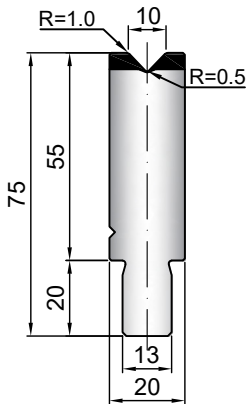
Steel: C45

Cod.	α	T/mt	Kg/mt
31.050	90°	100	14.5



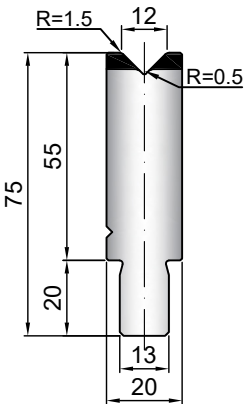
Steel: C45

Cod.	α	T/mt	Kg/mt
31.060	88°	100	10.5



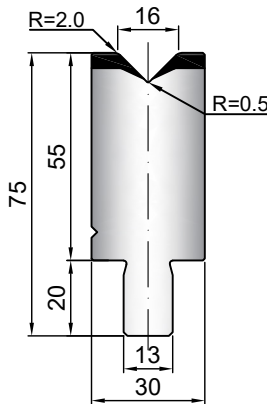
Steel: C45

Cod.	α	T/mt	Kg/mt
31.070	88°	100	10.5



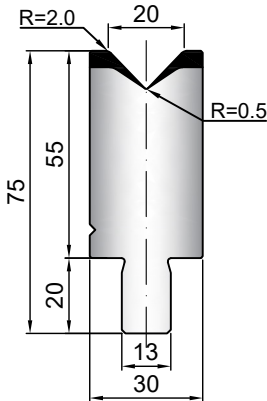
Steel: C45

Cod.	α	T/mt	Kg/mt
31.080	88°	100	14.5



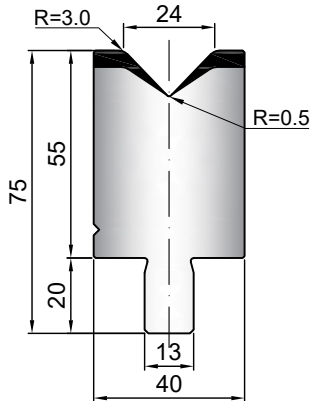
Steel: C45

Cod.	α	T/mt	Kg/mt
31.090	88°	100	14.5



Steel: C45

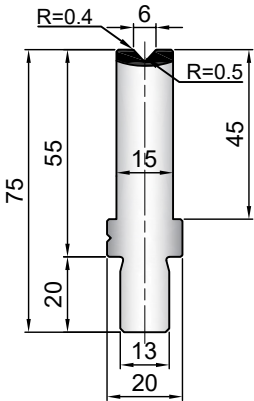
Cod.	α	T/mt	Kg/mt
31.100	88°	100	18



Dies

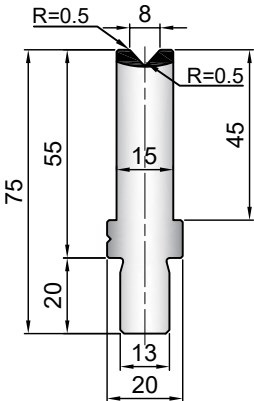
Steel: C45

Cod.	α	T/mt	Kg/mt
31.011	85°	100	9



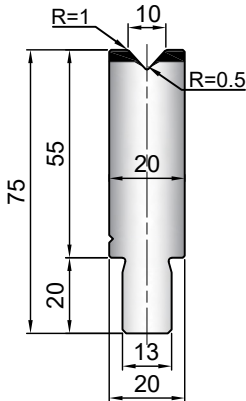
Steel: C45

Cod.	α	T/mt	Kg/mt
31.012	85°	100	9



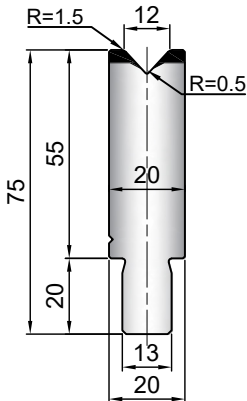
Steel: C45

Cod.	α	T/mt	Kg/mt
31.013	85°	100	10.5



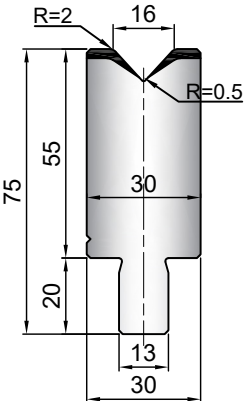
Steel: C45

Cod.	α	T/mt	Kg/mt
31.014	85°	100	10.5



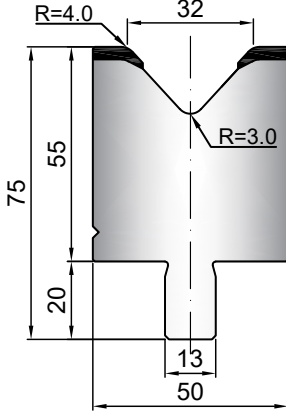
Steel: C45

Cod.	α	T/mt	Kg/mt
31.015	85°	100	14.5



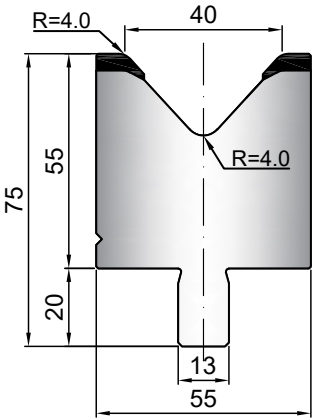
Steel: C45

Cod.	α	T/mt	Kg/mt
31.110	85°	100	21.5



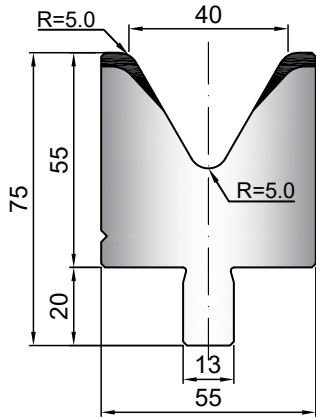
Steel: C45

Cod.	α	T/mt	Kg/mt
31.120	85°	100	22



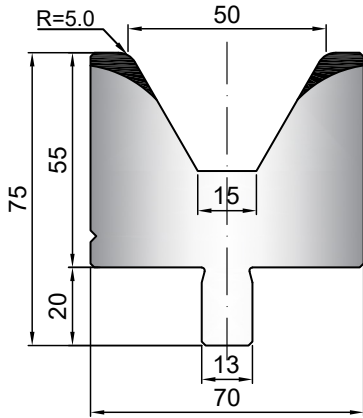
Steel: C45

Cod.	α	T/mt	Kg/mt
31.130	60°	100	22



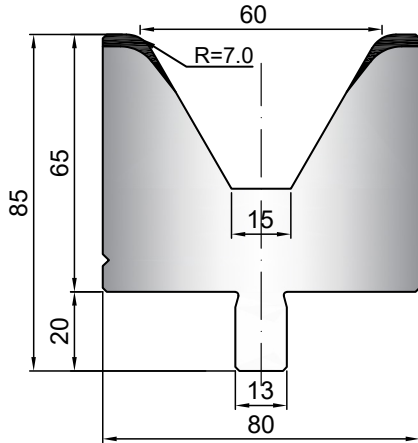
Steel: C45

Cod.	α	T/mt	Kg/mt
31.790	60°	100	24.5



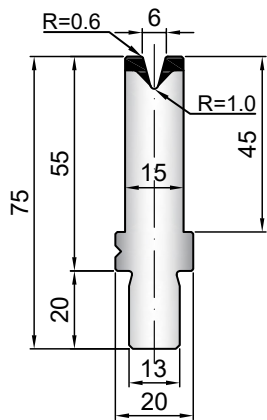
Steel: C45

Cod.	α	T/mt	Kg/mt
31.140	60°	100	31.5



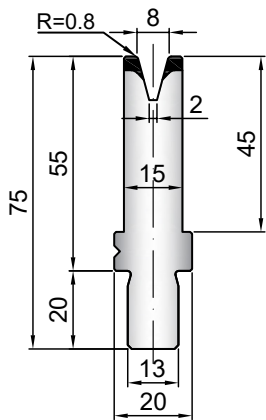
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.150	30°	35	8.8



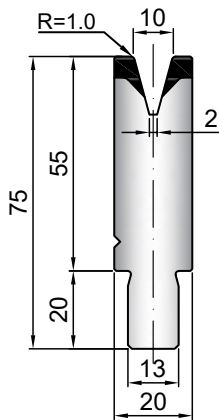
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.160	30°	35	8.8



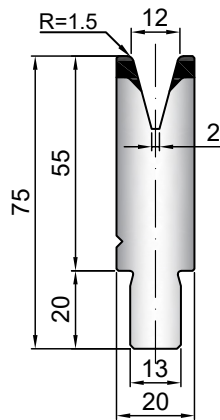
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.170	30°	40	10.5



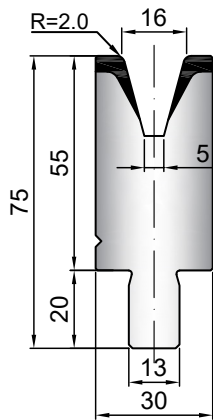
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.180	30°	40	10.5



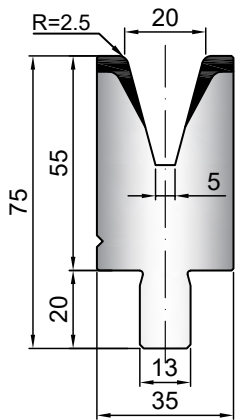
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.190	30°	50	13.5



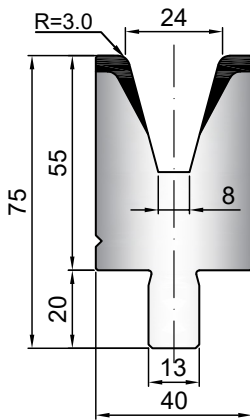
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.200	30°	50	14.5



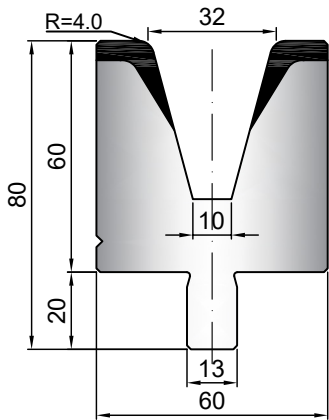
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
31.210	30°	50	18

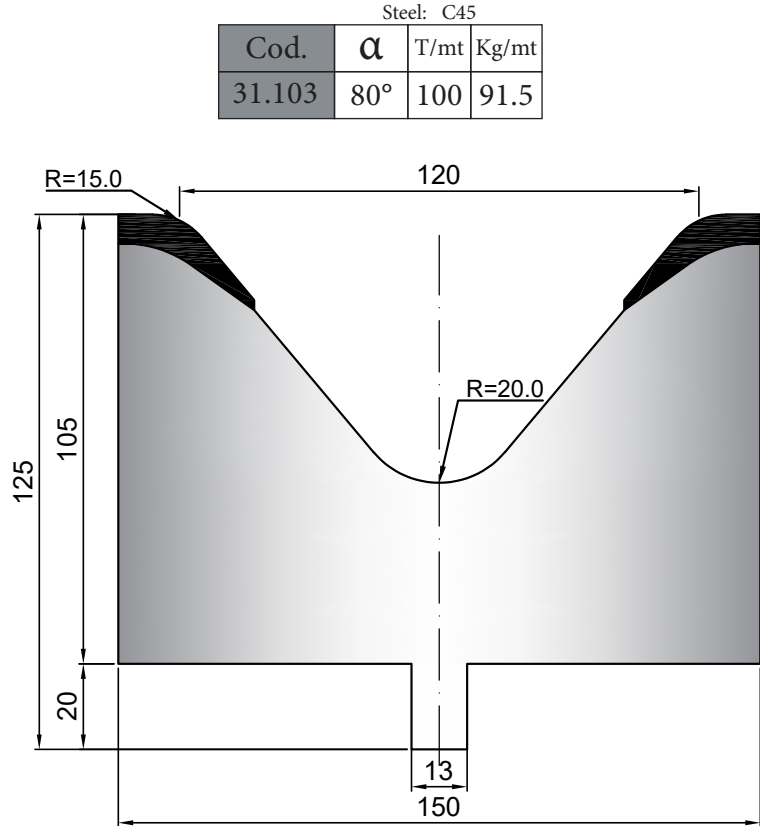
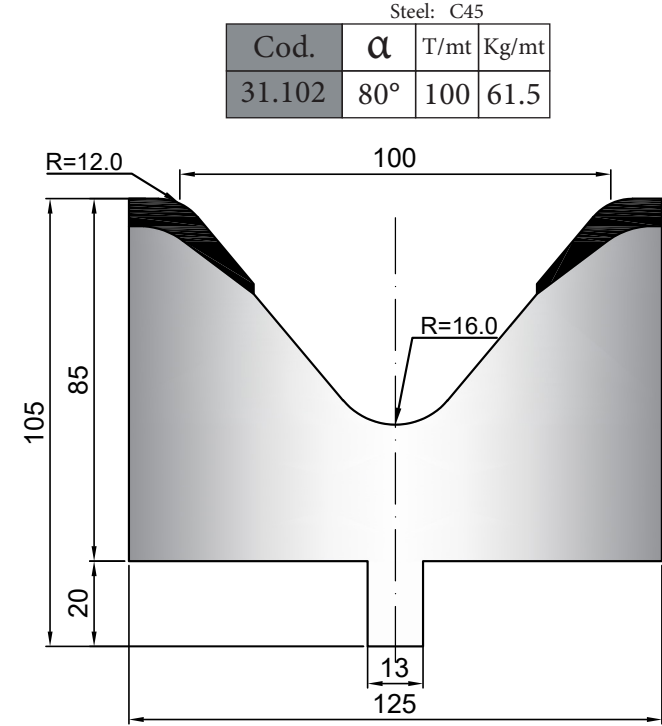
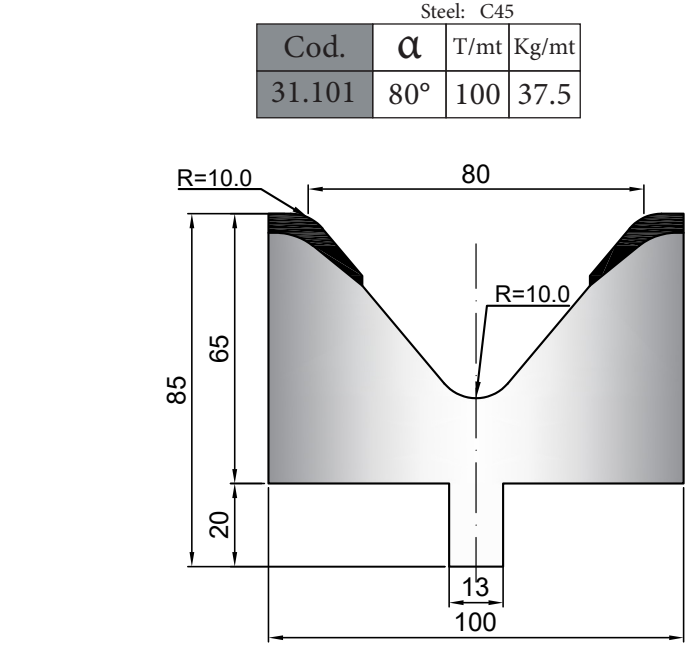


Steel: 1.2312 Quenched

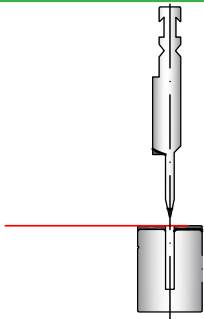
Cod.	α	T/mt	Kg/mt
31.220	30°	50	23.5



Dies

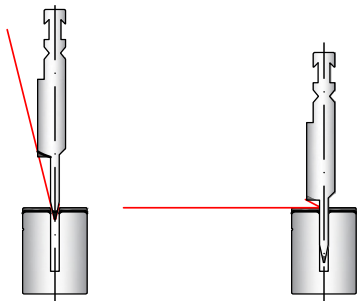
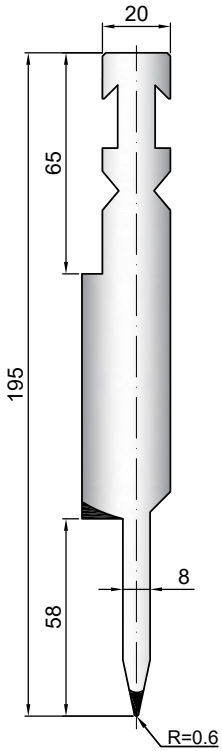


Flattening tools



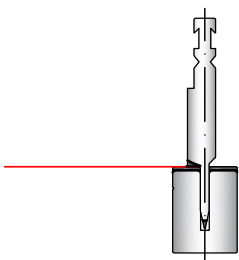
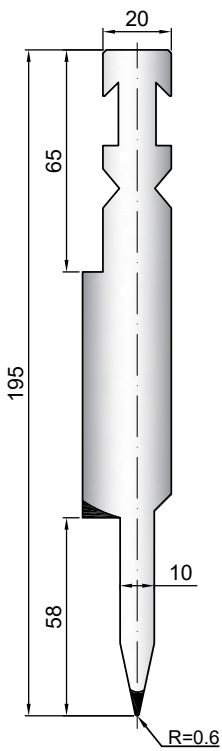
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.520	24°	80	27



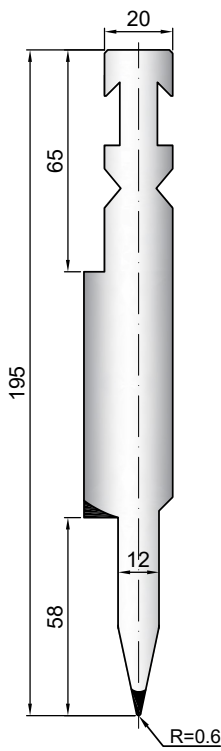
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.530	24°	80	28



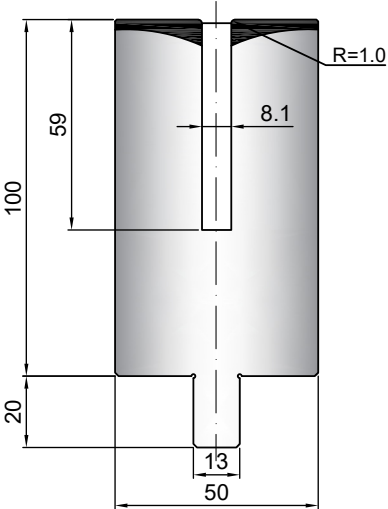
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.540	24°	80	29



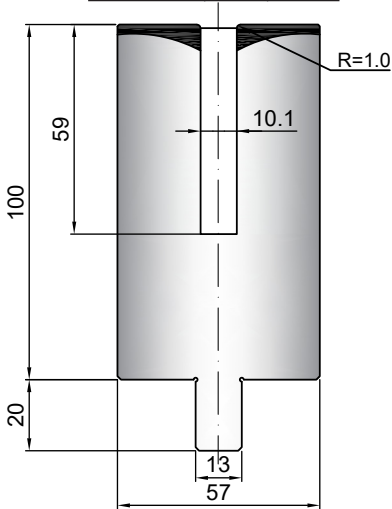
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.570	50	38



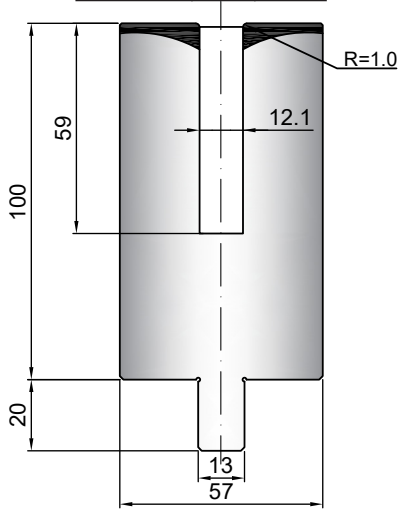
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.740	50	42



Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.750	50	42

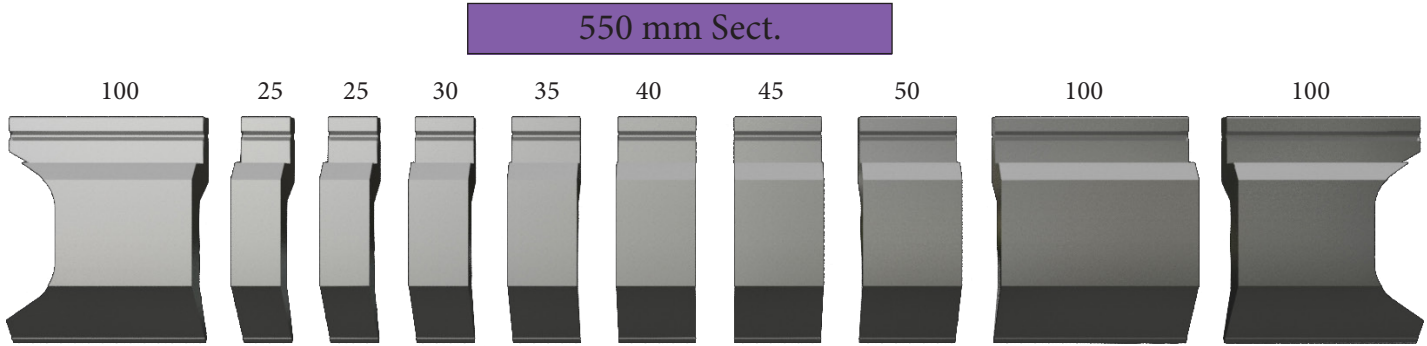
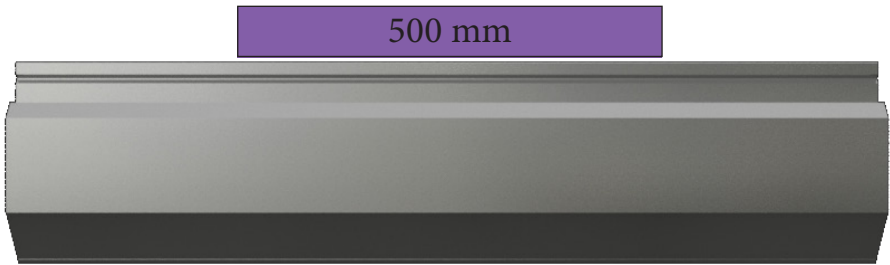
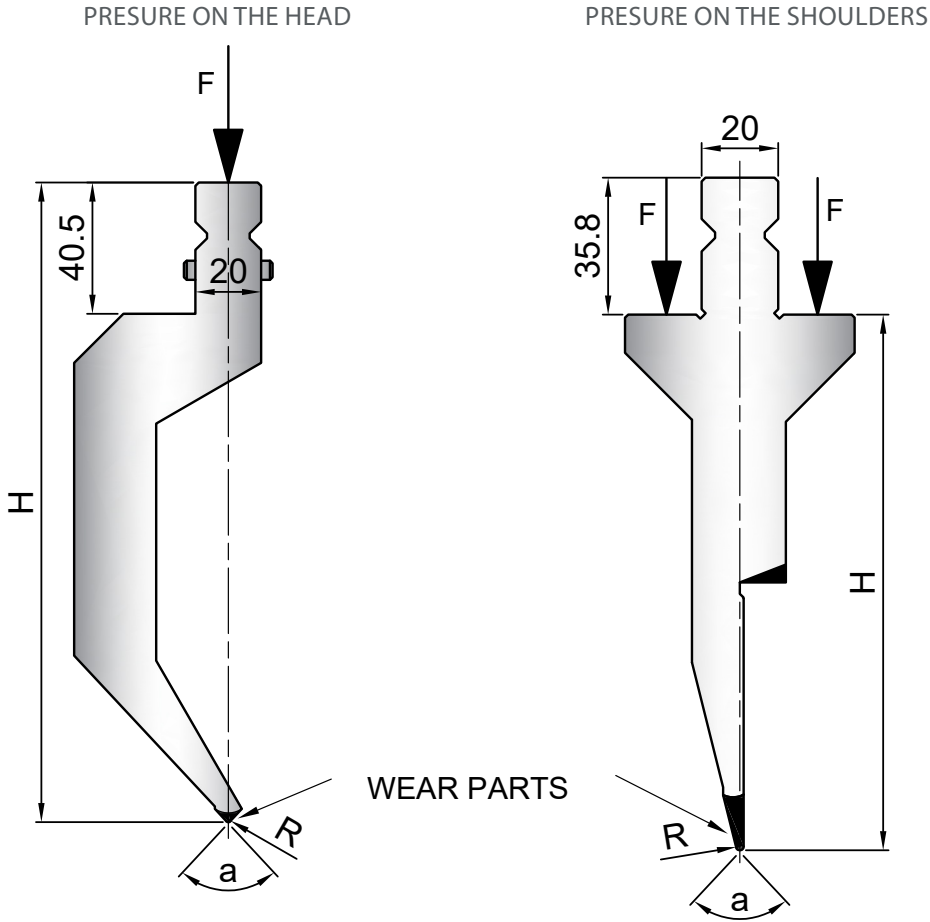
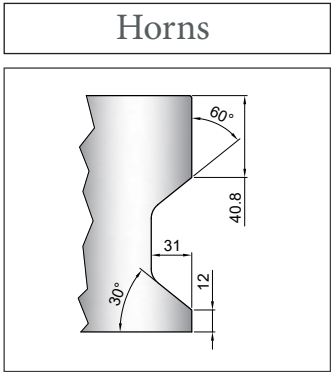


Wila - Trumpf

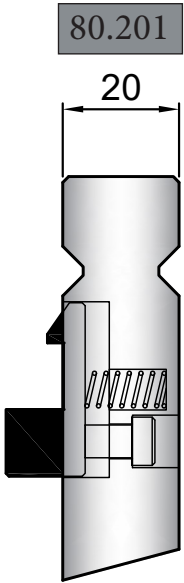


Punches are available in the following standard lengths: 100 mm - 200 mm - 300 mm - 500 mm - 550 mm sectioned

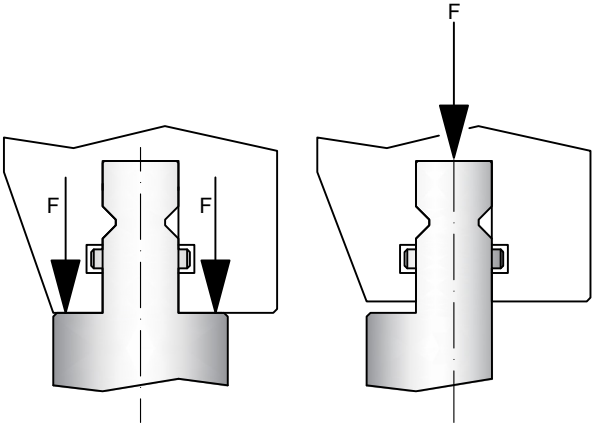
Description
H = Height
α = Degree
R = Radius



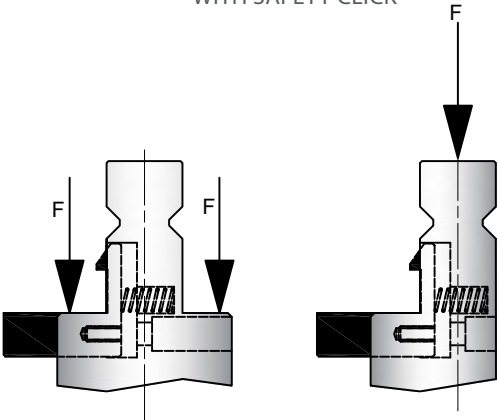
Safety-Clicks / Pins

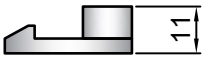
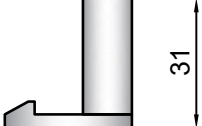
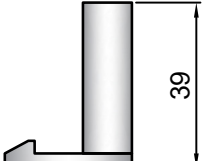
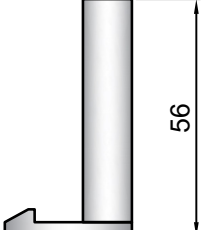
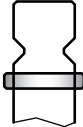
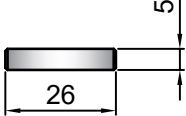


PRESURE ON THE SHOULDERS PRESURE ON THE HEAD



WITH SAFETY CLICK



SAFETY-CLICKS			
12.333 12.370			80.202
12.332 12.380			80.203
12.331 12.340 12.350			80.204
12.941 13.020 13.030 12.335 12.950 10.444			80.205
12.334 12.330 12.360 12.337 12.338			80.206
12.940 12.943			80.207
			80.208



Safety clicks not available for pieces over 12.5 kg



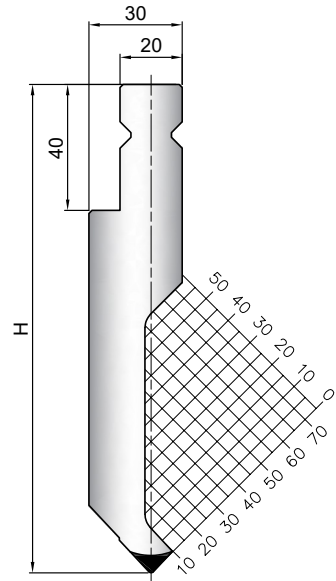
12.942 - 12.943: Length 500 mm is not available

Punches

86°

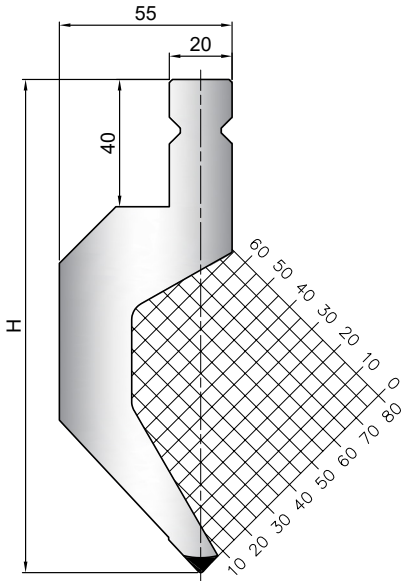
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.331	86°	1.00	157.00	80



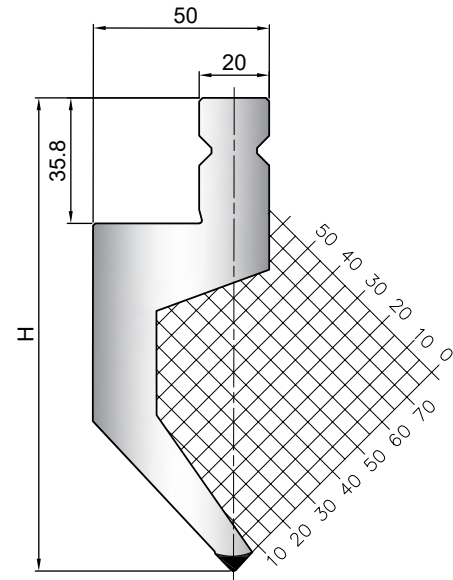
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.334	86°	1.00	157.00	80



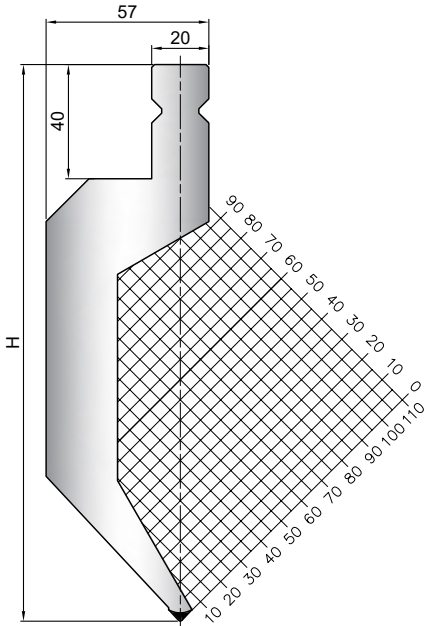
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.337	86°	1.00	135.00	45



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.330	86°	0.80	195.00	40

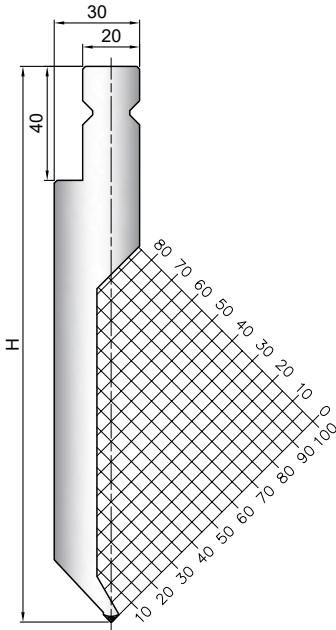


Punches

86° - 60°

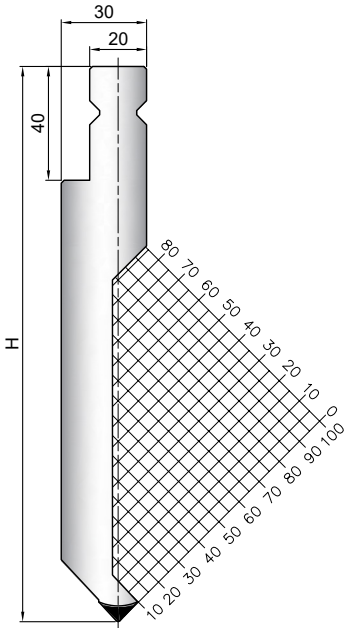
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.340	86°	0.60	195.00	30



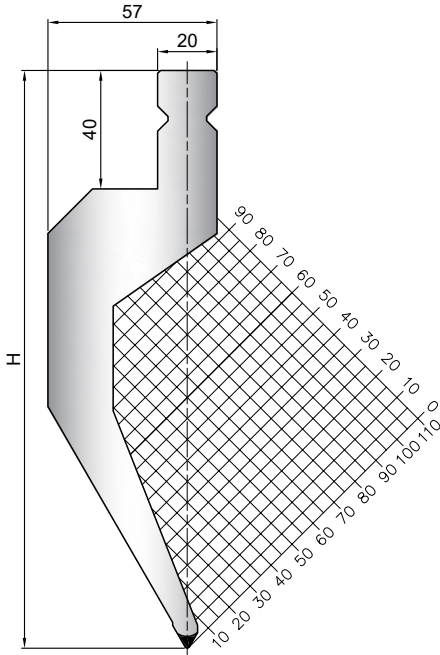
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.350	86°	0.80	195.00	80



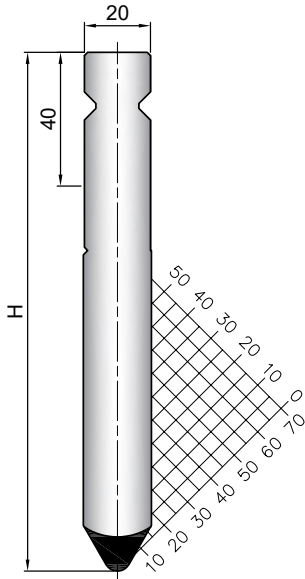
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.360	60°	0.80	195.00	40



Steel: 1.2312 Quenched

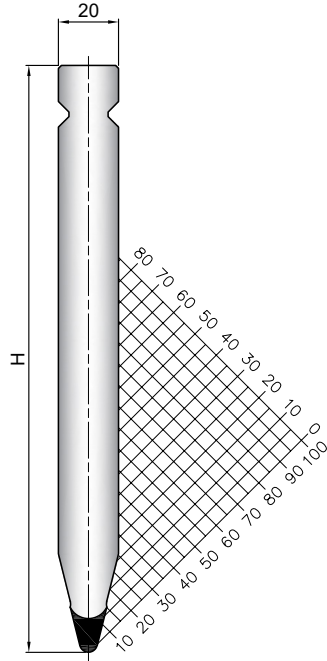
Cod.	α	R	H	T/mt
12.333	60°	4.00	157.00	130



Punches

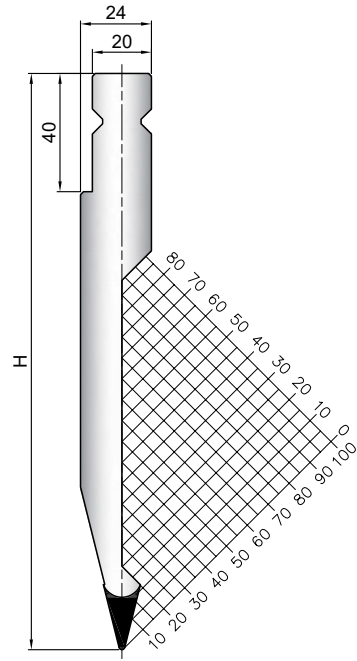
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.370	28°	3.00	195.00	100



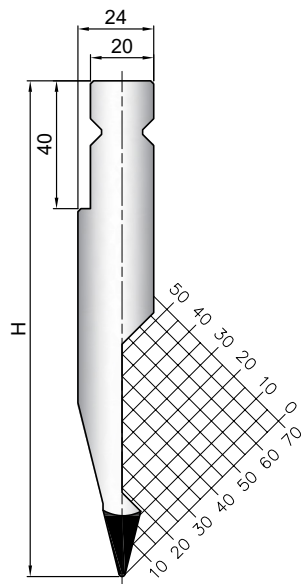
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.380	28°	1.00	195.00	80



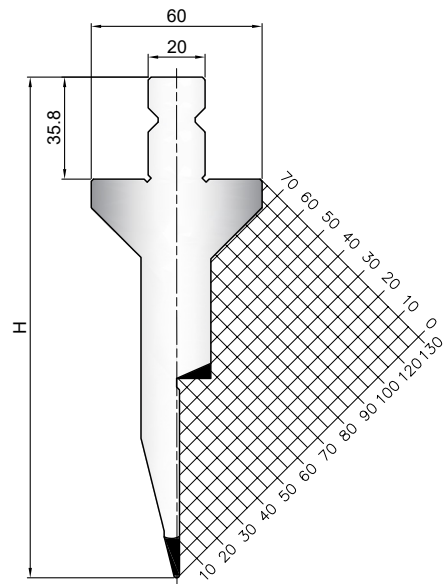
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.332	28°	1.00	157.00	80

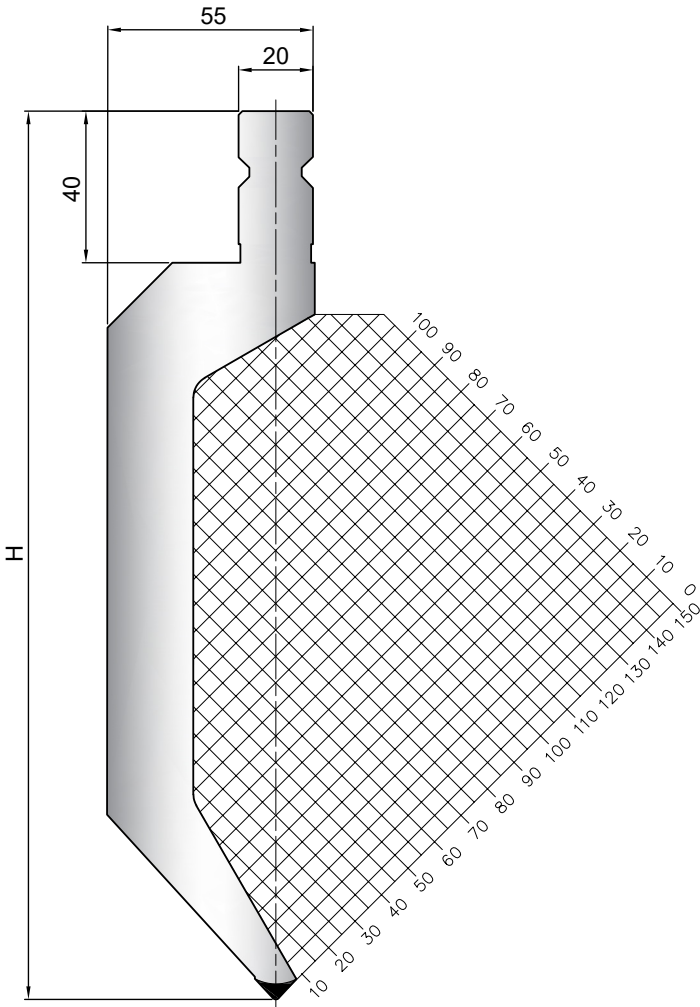


Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.335	28°	1.00	176.00	40



Punches

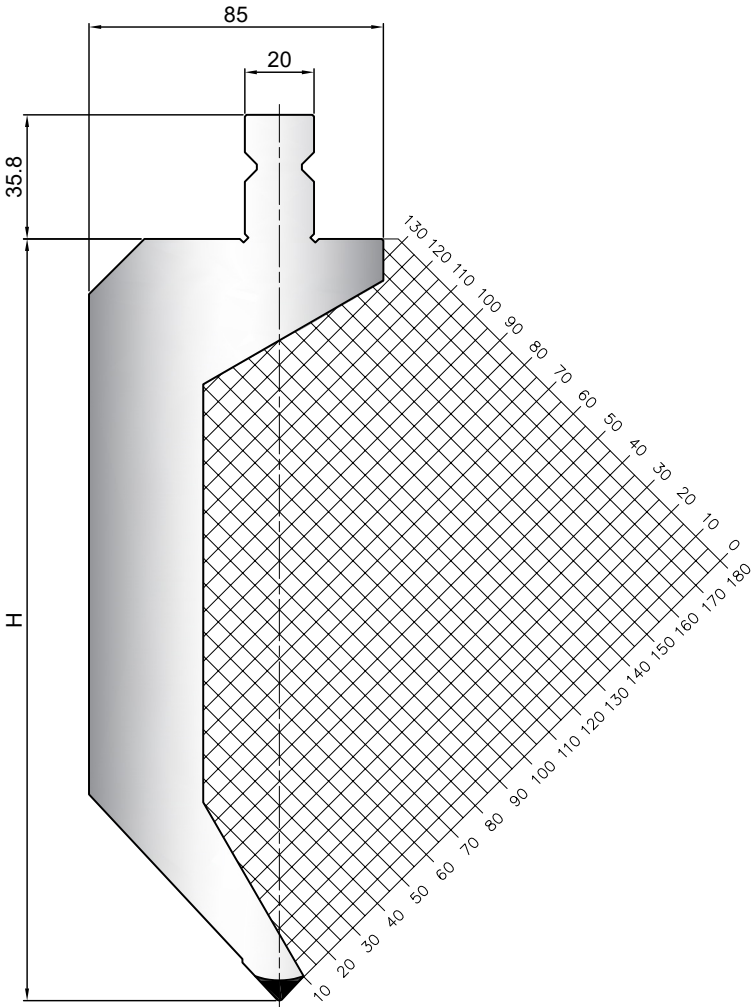


Steel: 1.2312 Quenched

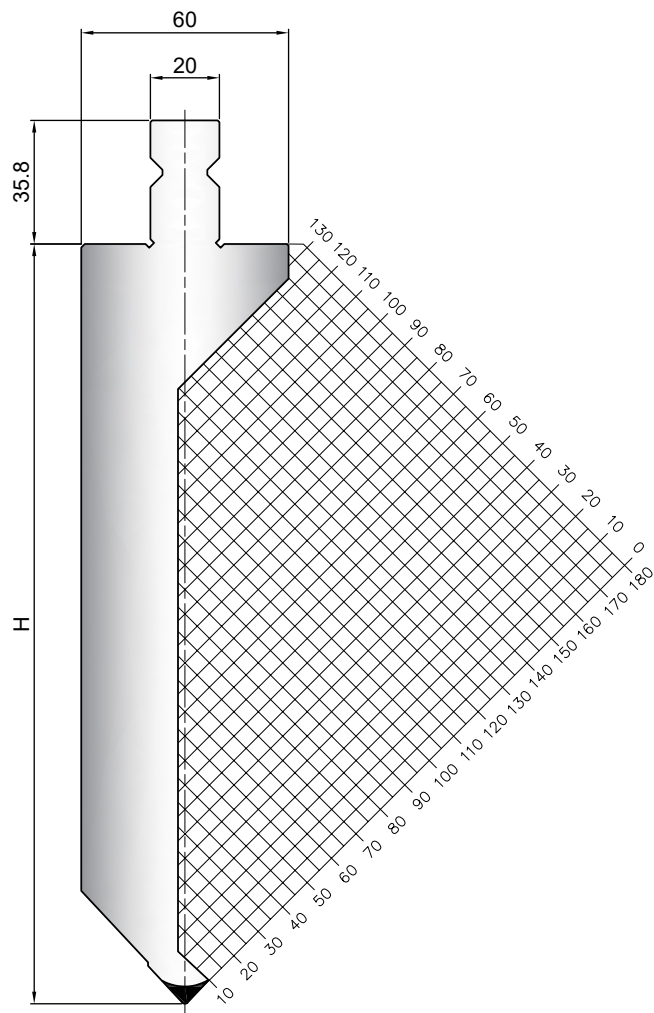
Cod.	α	R	H	T/mt
12.336	86°	1.00	237.00	50

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.940	86°	1.00	220.00	60



Punches

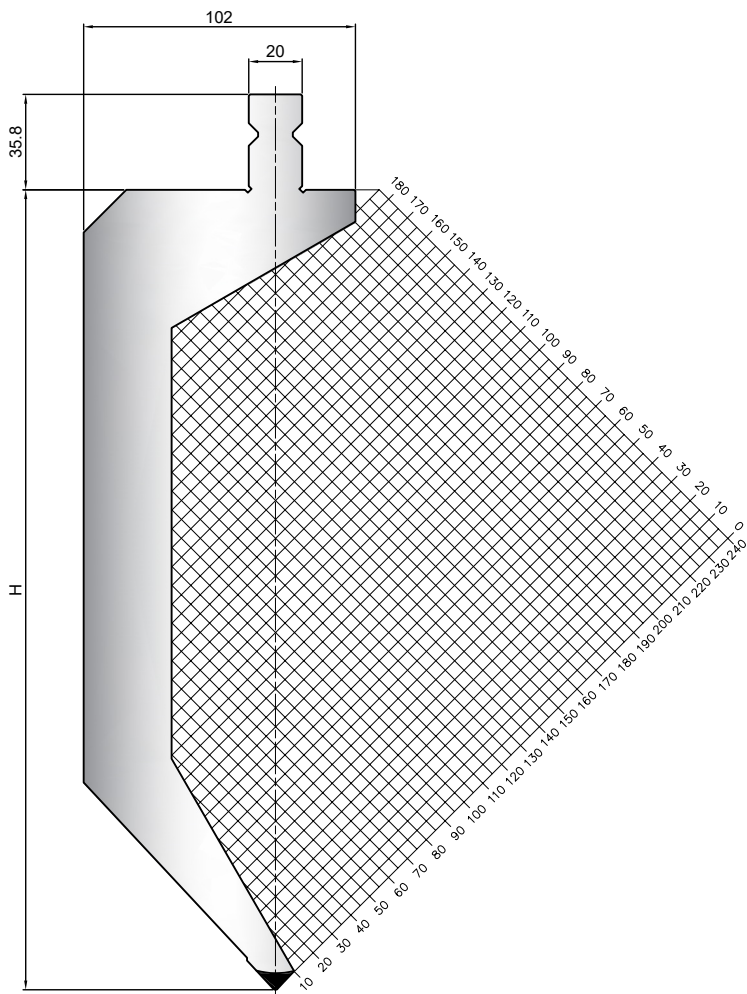


←

Steel: 1.2312 Quenched				
Cod.	α	R	H	T/mt
12.941	86°	1.00	220.00	80

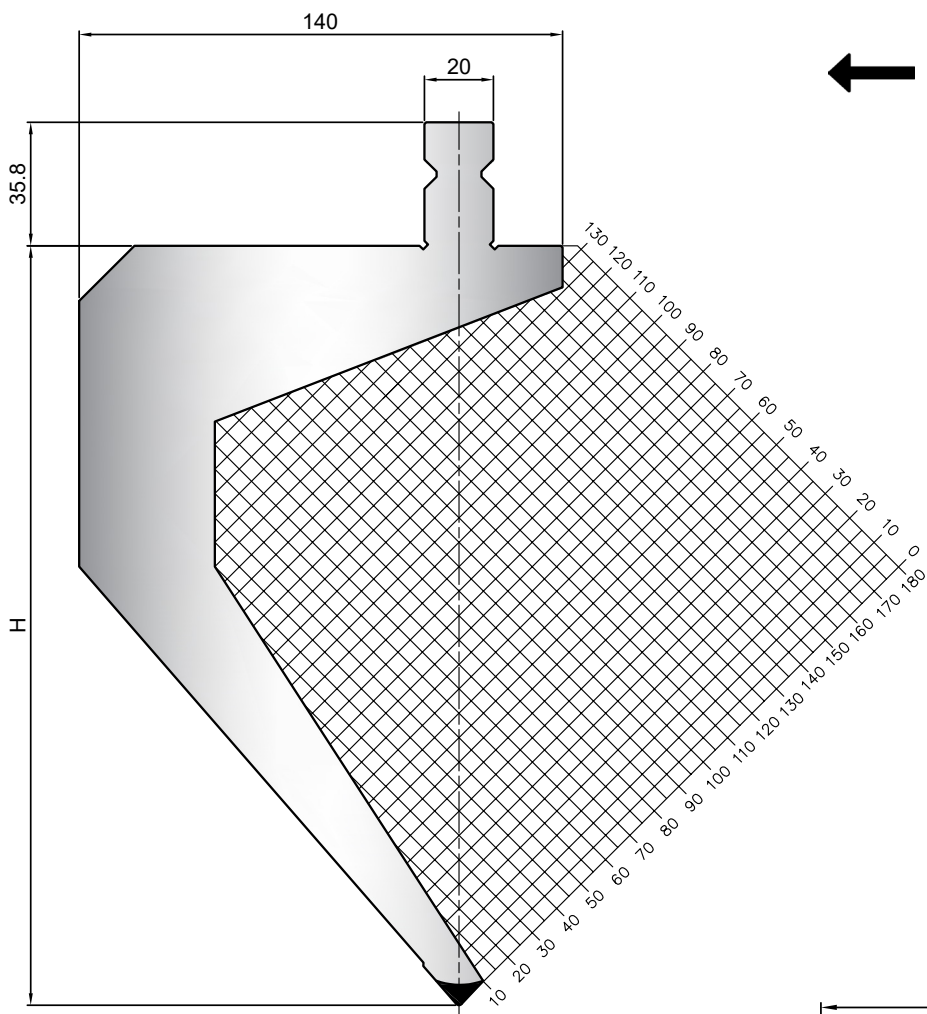
Steel: 1.2312 Quenched				
Cod.	α	R	H	T/mt
12.943	86°	1.00	300.00	40

→



Punches

84° - 80°

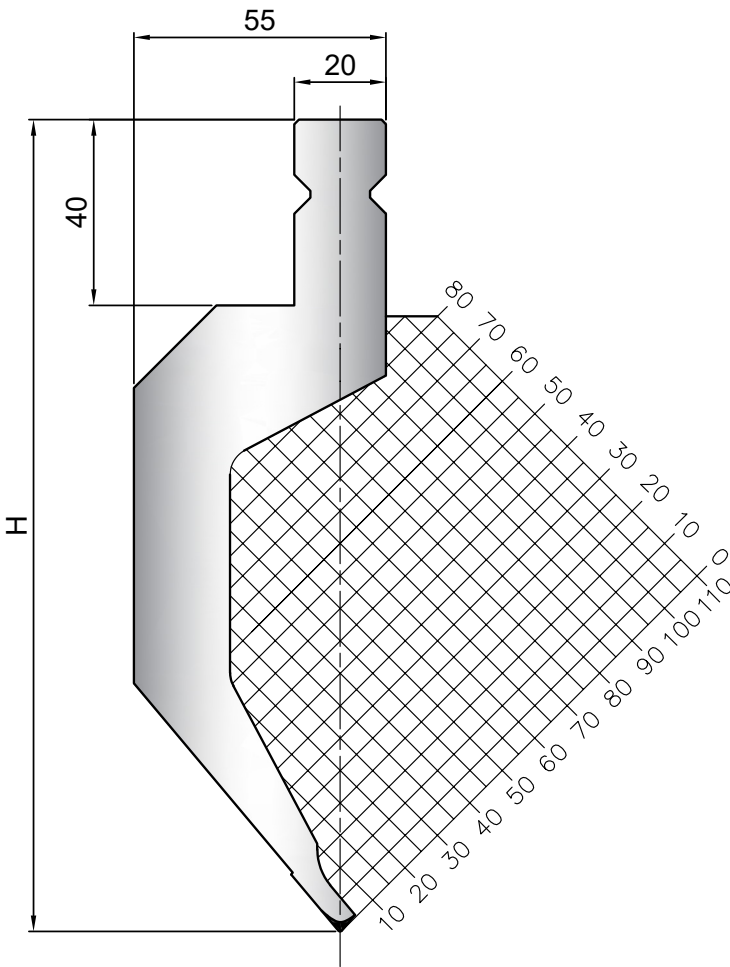


Steel: 1.2312 Quenched

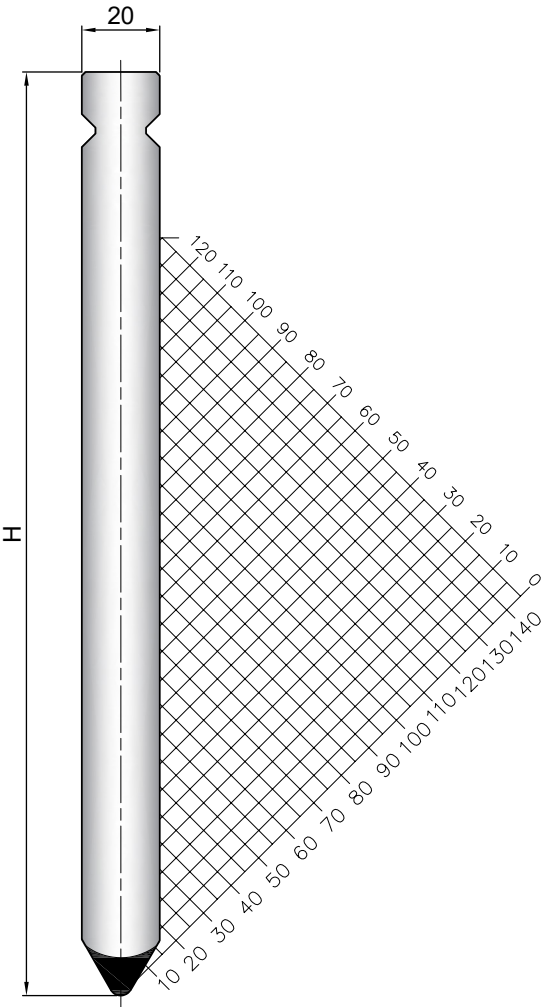
Cod.	α	R	H	T/mt
12.942	84°	1.00	220.00	50

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.338	80°	0.50	177.00	40



Punches



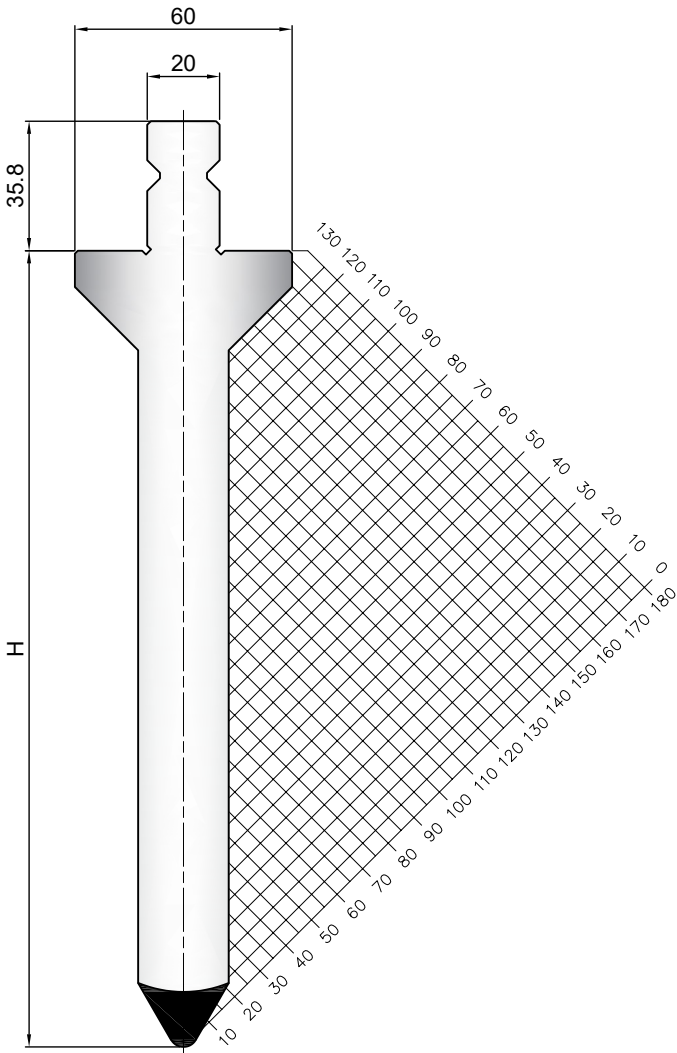
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.030	60°	4.00	220.00	100

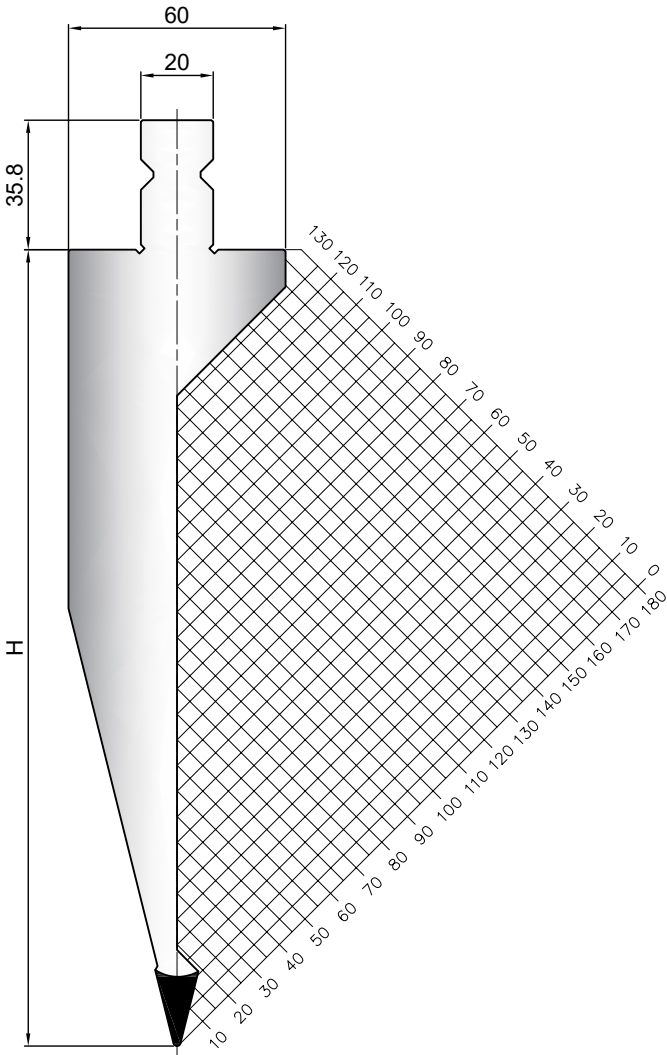


Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
12.375	60°	3.00	237.00	100

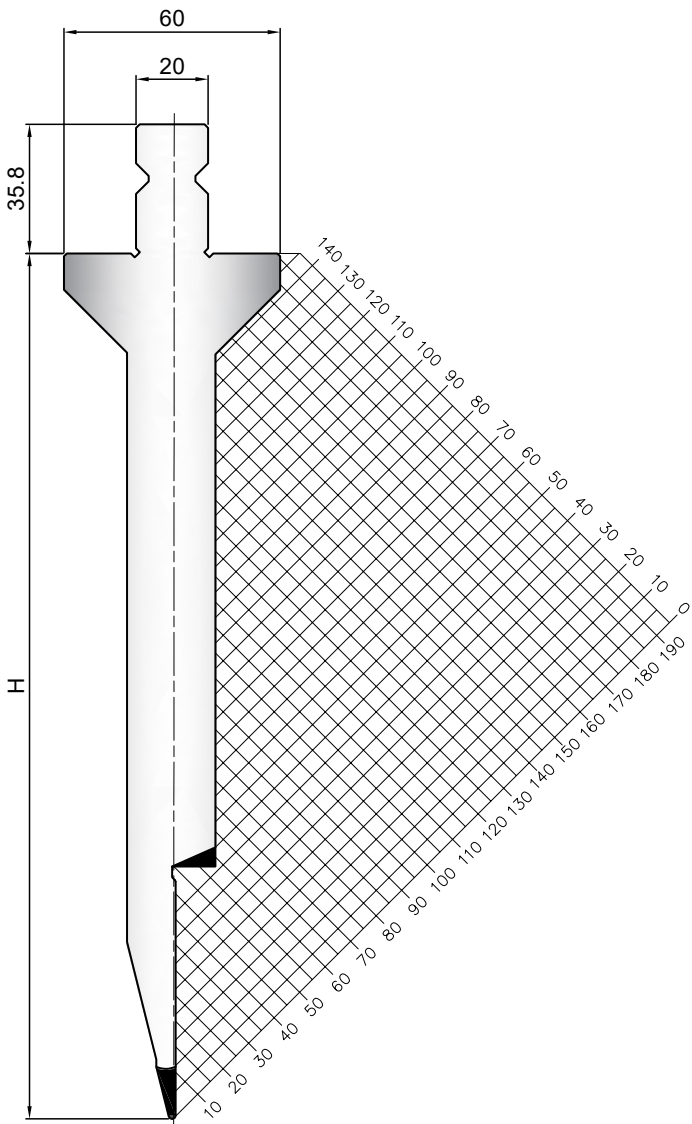


Punches

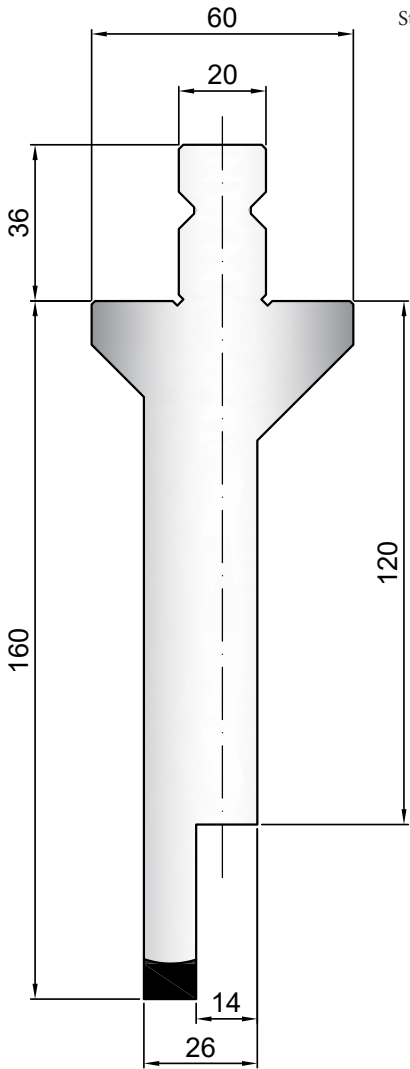


Steel: 1.2312 Quenched				
Cod.	α	R	H	T/mt
13.020	28°	1.00	220.00	80

Steel: 1.2312 Quenched				
Cod.	α	R	H	T/mt
12.950	28°	1.00	240.00	40

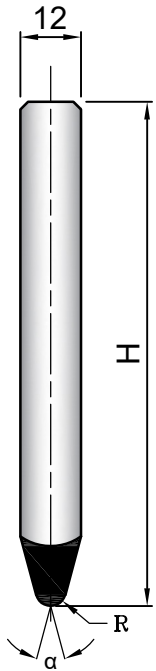


Blade holders



Steel: 1.2312 Quenched

Cod.	T/mt
10.444	100

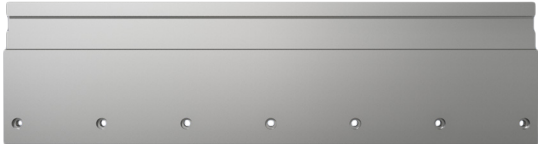


Steel: 1.2312 Quenched

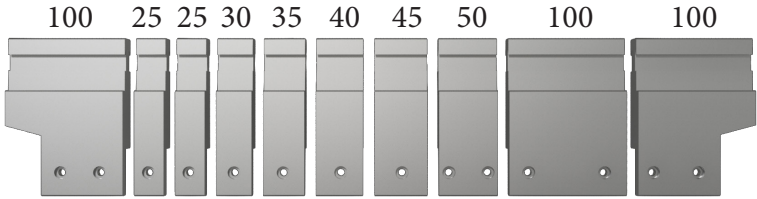
Cod.	α	R	H	T/mt
13.500	28°	0.50	100.00	100
13.501	28°	1.00	100.00	100
13.502	28°	2.00	100.00	100
13.503	28°	3.00	100.00	100
13.504	28°	4.00	100.00	100
13.505	28°	5.00	100.00	100
13.506	28°	6.00	100.00	100

Holder

500



550 mm

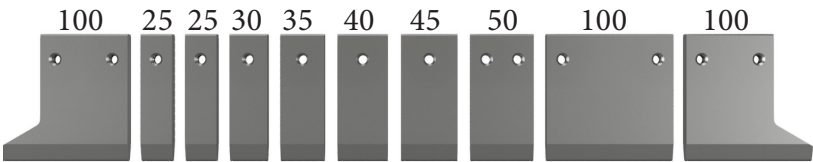


Blade

500



550 mm



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.520	84°	1.00	100.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.530	86°	1.00	100.00	100

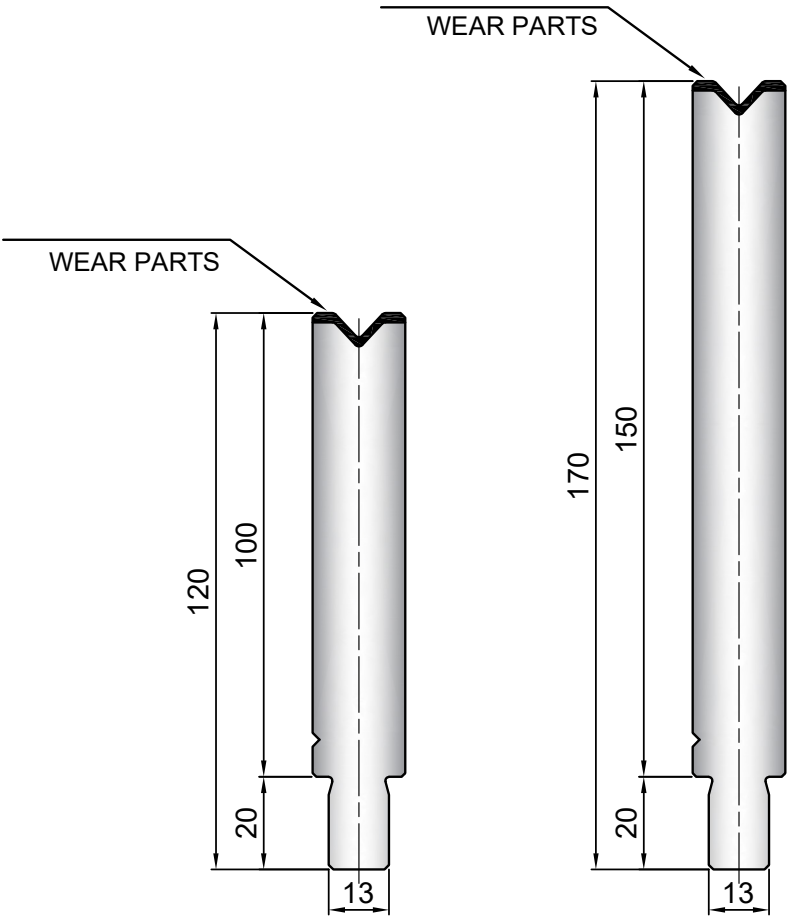
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.550	90°	0.50	100.00	100
13.551	90°	1.00	100.00	100
13.552	90°	1.50	100.00	100
13.553	90°	2.00	100.00	100

Dies



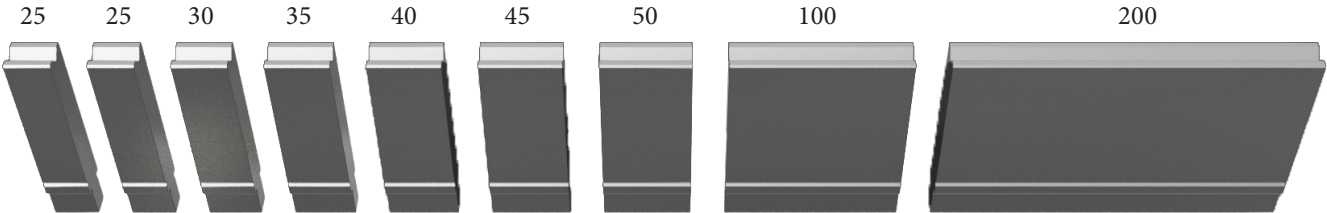
Dies are available in the following standard lengths: 500 mm - 550 mm sectioned



500 mm



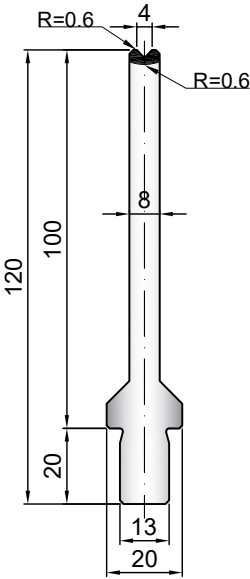
550 mm Sect.



Dies

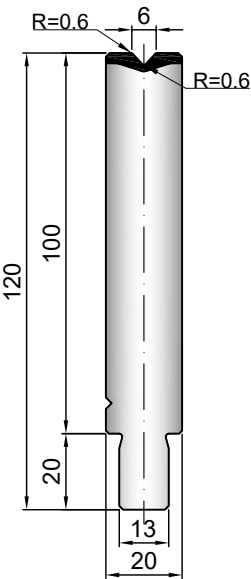
Steel: C45

Cod.	α	T/mt
40.300	86°	100



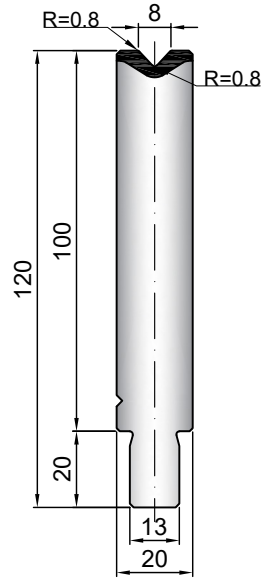
Steel: C45

Cod.	α	T/mt
40.301	86°	100



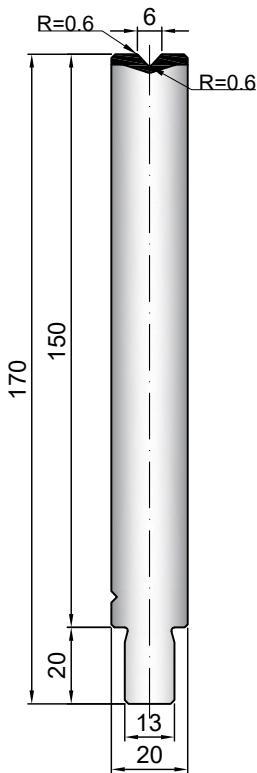
Steel: C45

Cod.	α	T/mt
40.302	86°	100



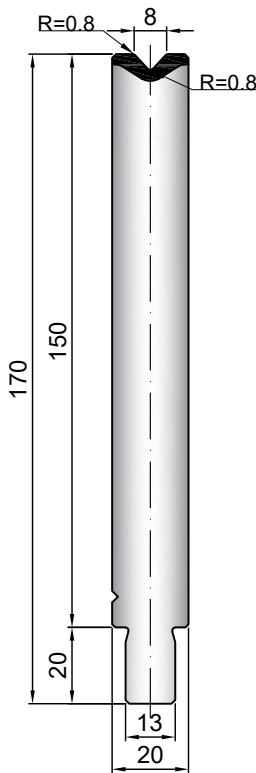
Steel: C45

Cod.	α	T/mt
40.305	86°	100



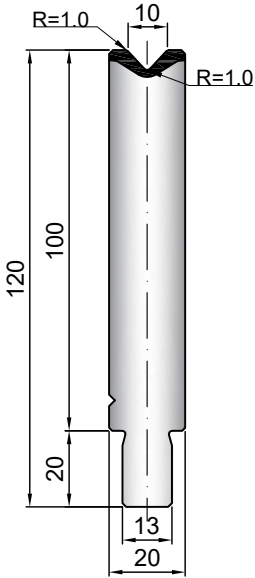
Steel: C45

Cod.	α	T/mt
40.306	86°	100



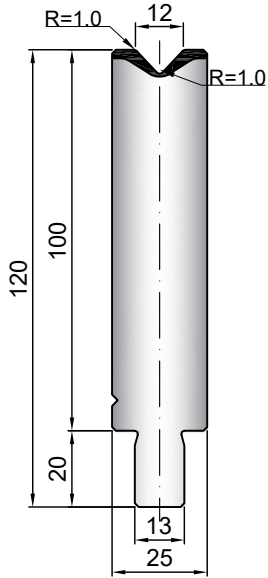
Steel: C45

Cod.	α	T/mt
40.303	86°	100



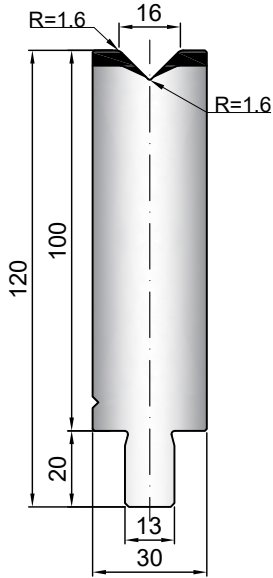
Steel: C45

Cod.	α	T/mt
40.304	86°	100



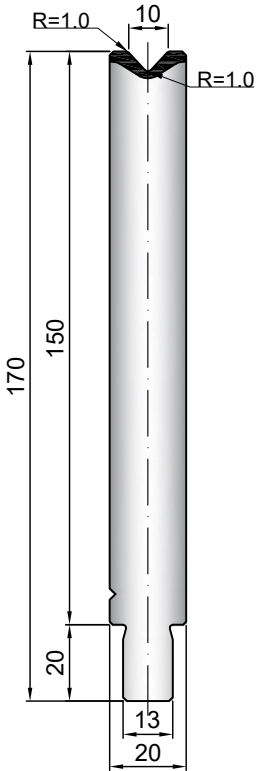
Steel: C45

Cod.	α	T/mt
40.309	86°	100



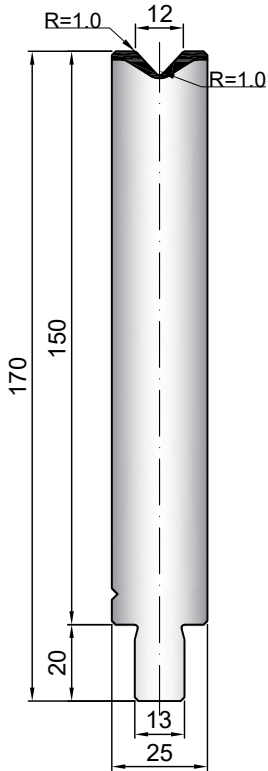
Steel: C45

Cod.	α	T/mt
40.307	86°	100



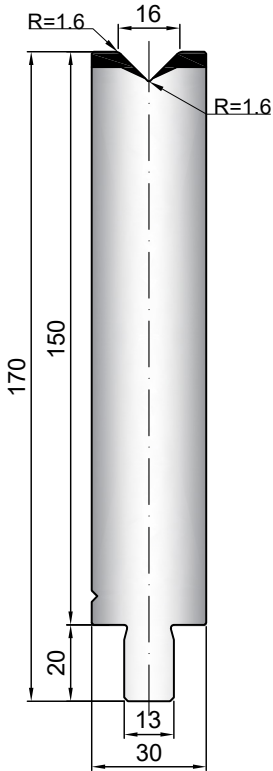
Steel: C45

Cod.	α	T/mt
40.308	86°	100



Steel: C45

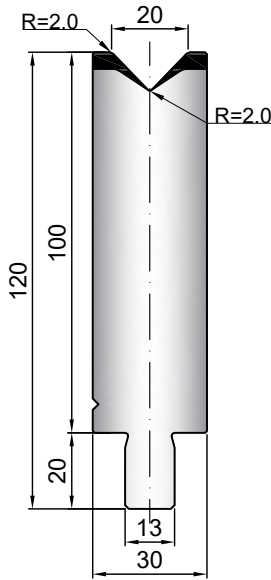
Cod.	α	T/mt
40.312	86°	100



Dies

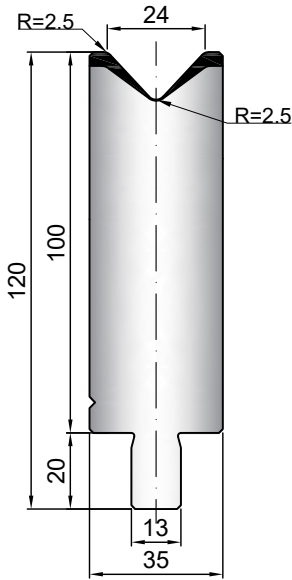
Steel: C45

Cod.	α	T/mt
40.310	86°	100



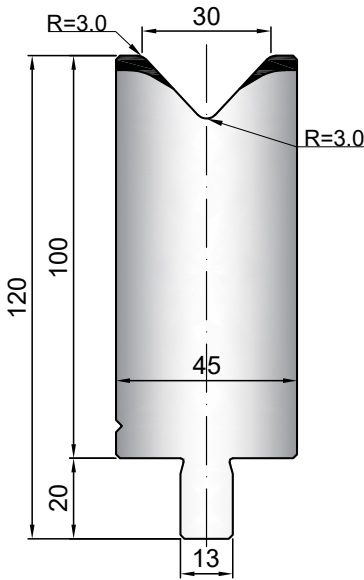
Steel: C45

Cod.	α	T/mt
40.311	86°	100



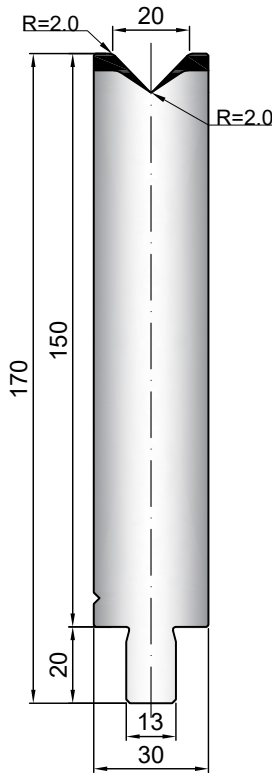
Steel: C45

Cod.	α	T/mt
40.315	86°	100



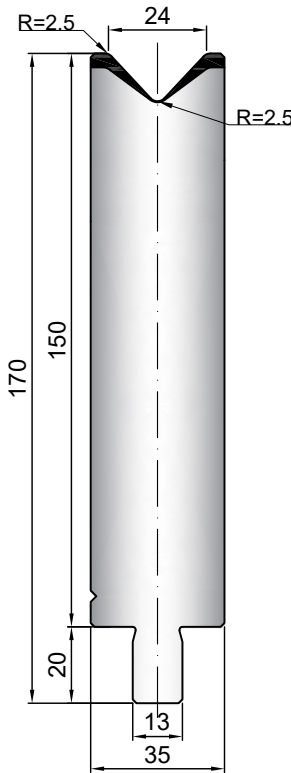
Steel: C45

Cod.	α	T/mt
40.313	86°	100



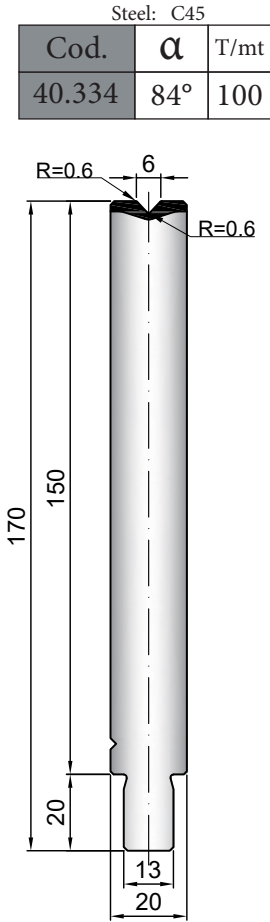
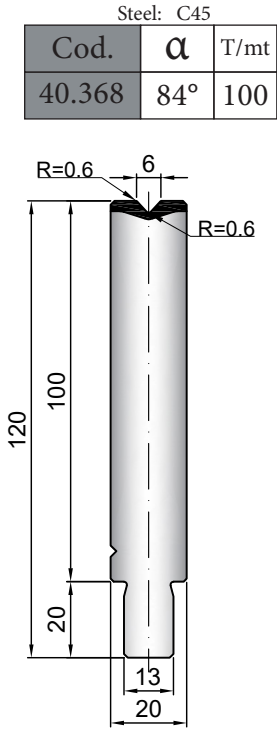
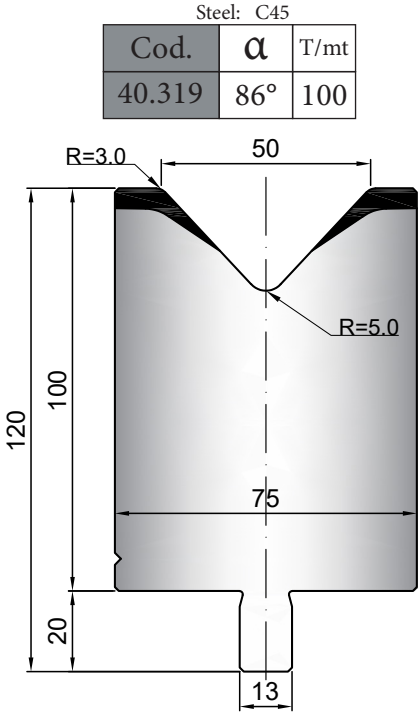
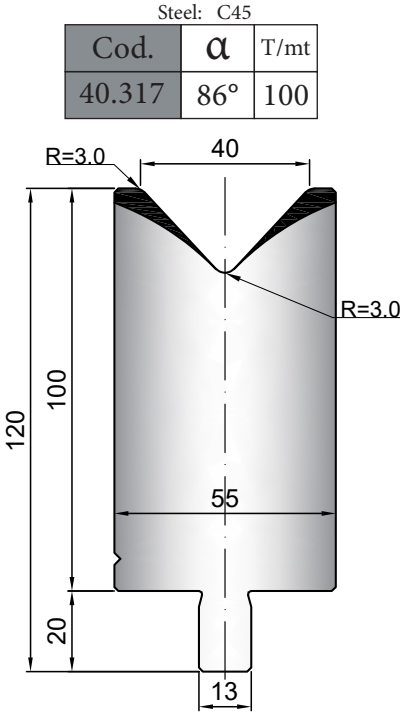
Steel: C45

Cod.	α	T/mt
40.314	86°	100



Dies

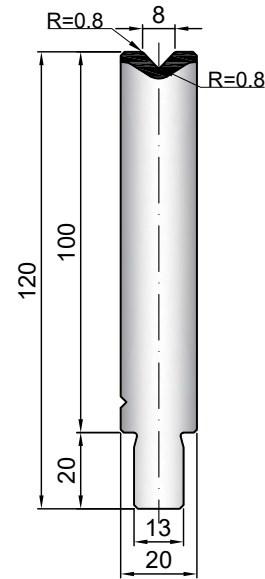
86° - 84°



Dies

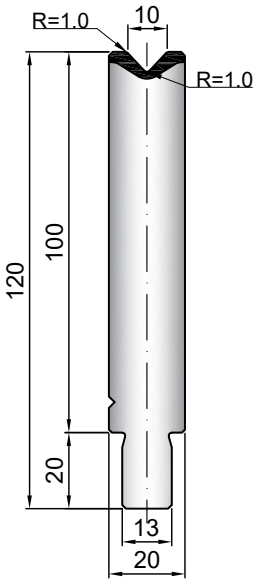
Steel: C45

Cod.	α	T/mt
40.331	84°	100



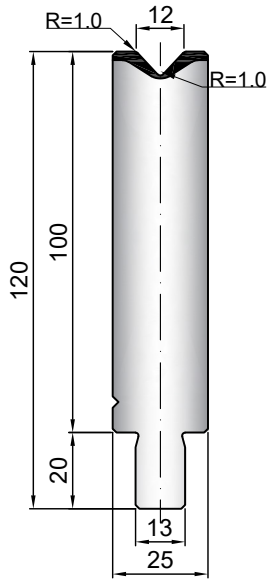
Steel: C45

Cod.	α	T/mt
40.332	84°	100



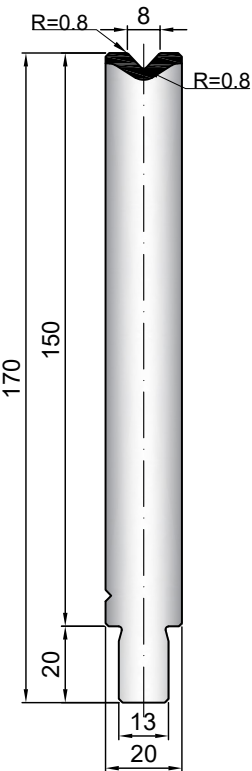
Steel: C45

Cod.	α	T/mt
40.333	84°	100



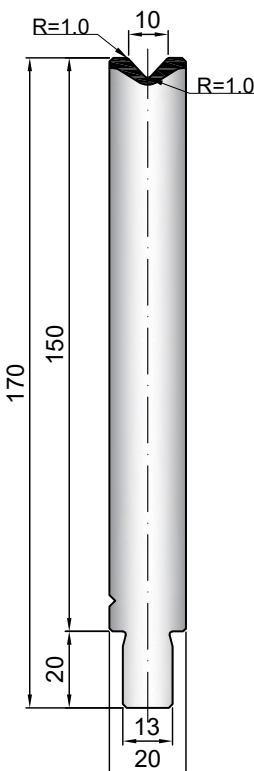
Steel: C45

Cod.	α	T/mt
40.335	84°	100



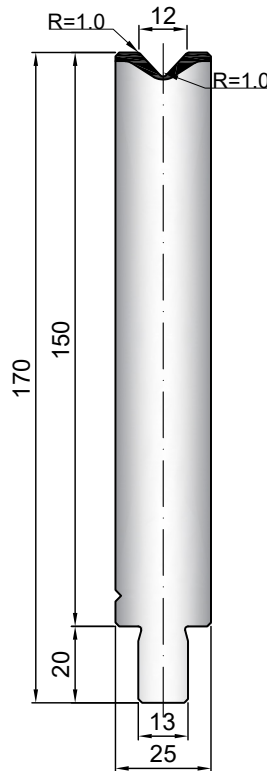
Steel: C45

Cod.	α	T/mt
40.336	84°	100



Steel: C45

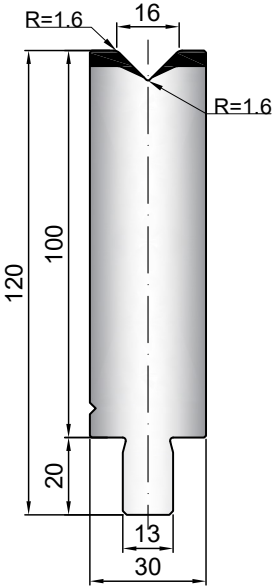
Cod.	α	T/mt
40.337	84°	100



Dies

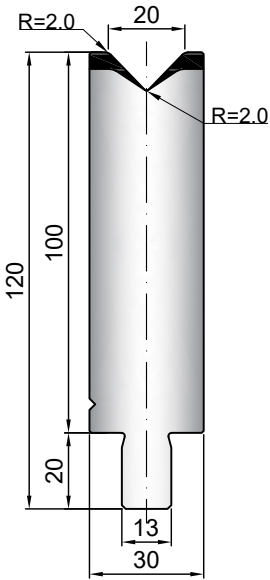
Steel: C45

Cod.	α	T/mt
40.338	84°	100



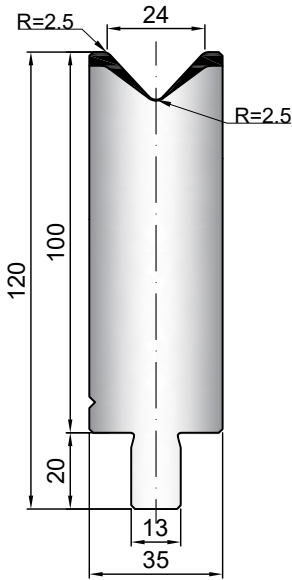
Steel: C45

Cod.	α	T/mt
40.339	84°	100



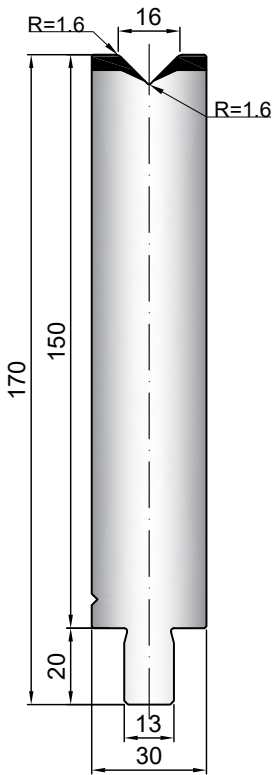
Steel: C45

Cod.	α	T/mt
40.340	84°	100



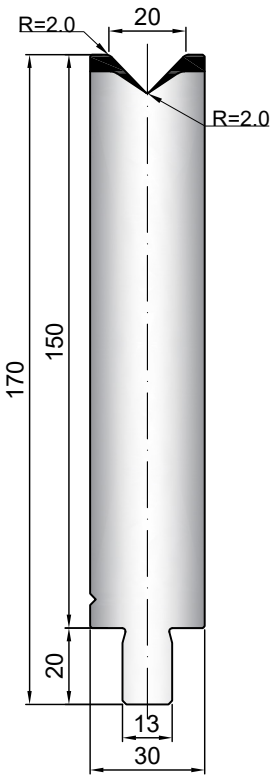
Steel: C45

Cod.	α	T/mt
40.341	84°	100



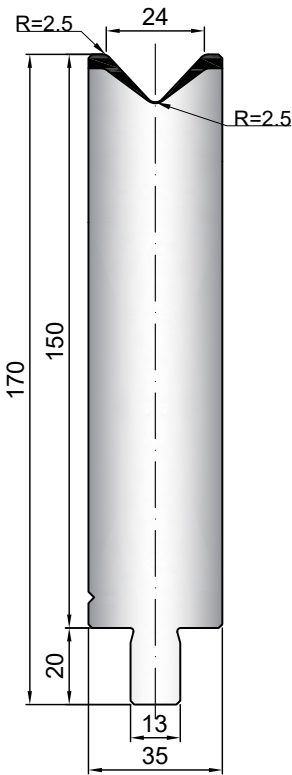
Steel: C45

Cod.	α	T/mt
40.342	84°	100



Steel: C45

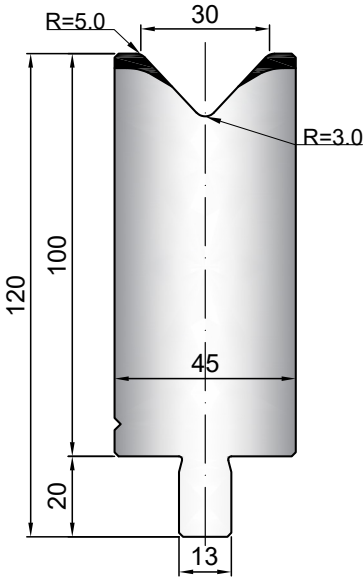
Cod.	α	T/mt
40.343	84°	100



Dies

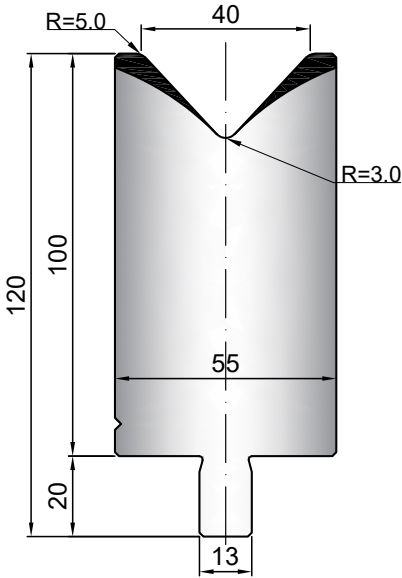
Steel: C45

Cod.	α	T/mt
40.316	80°	100



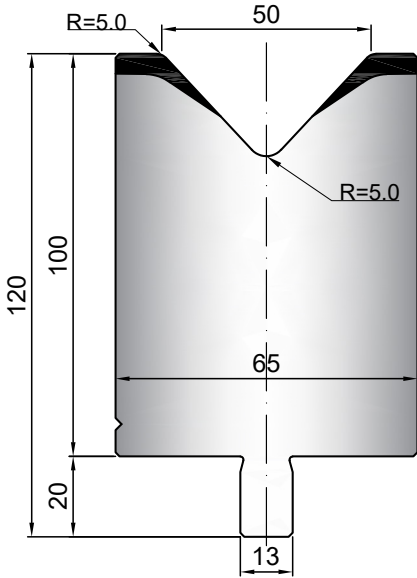
Steel: C45

Cod.	α	T/mt
40.318	80°	100



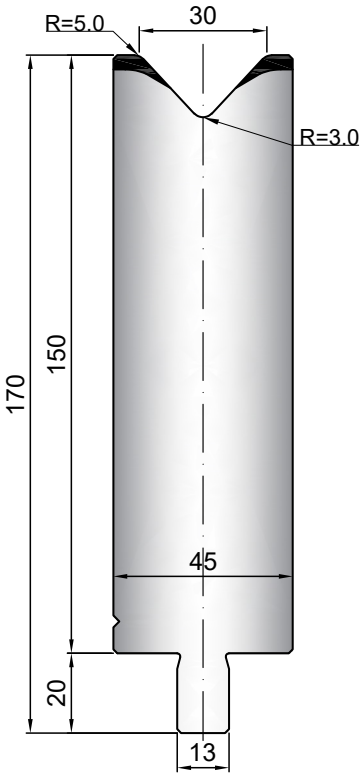
Steel: C45

Cod.	α	T/mt
40.320	80°	100



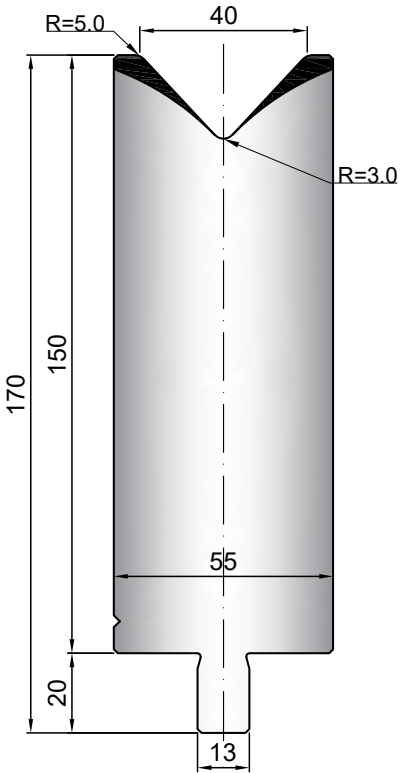
Steel: C45

Cod.	α	T/mt
40.327	80°	100



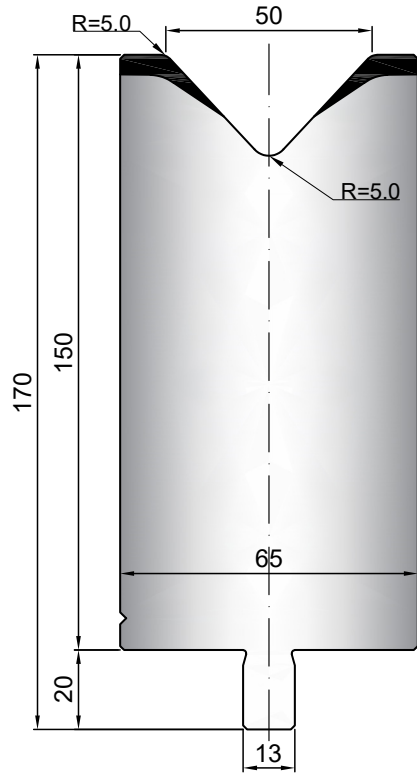
Steel: C45

Cod.	α	T/mt
40.328	80°	100



Steel: C45

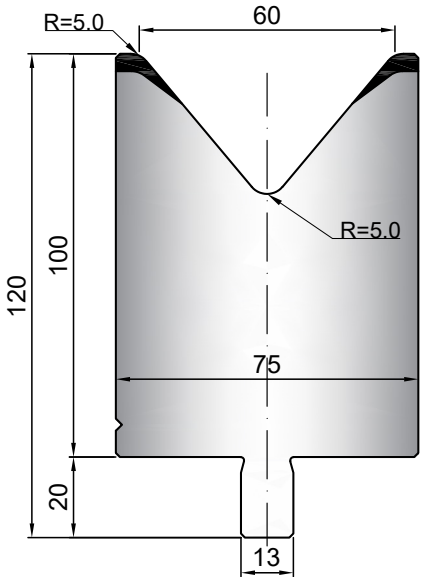
Cod.	α	T/mt
40.329	80°	100



Dies

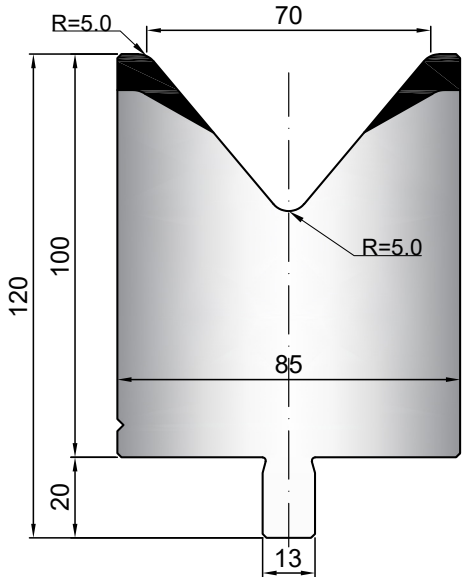
Steel: C45

Cod.	α	T/mt
40.321	80°	100



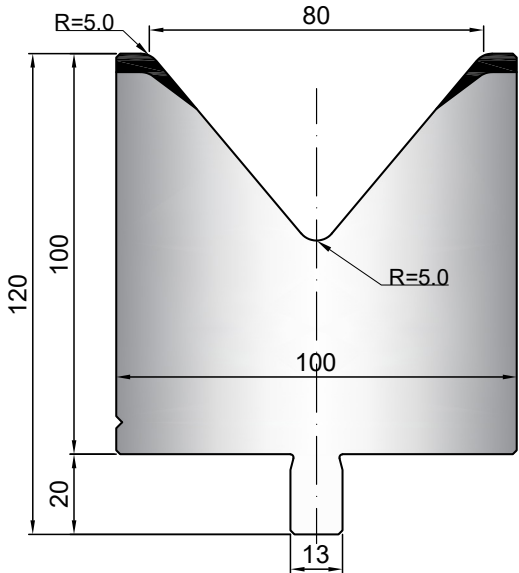
Steel: C45

Cod.	α	T/mt
40.322	80°	100



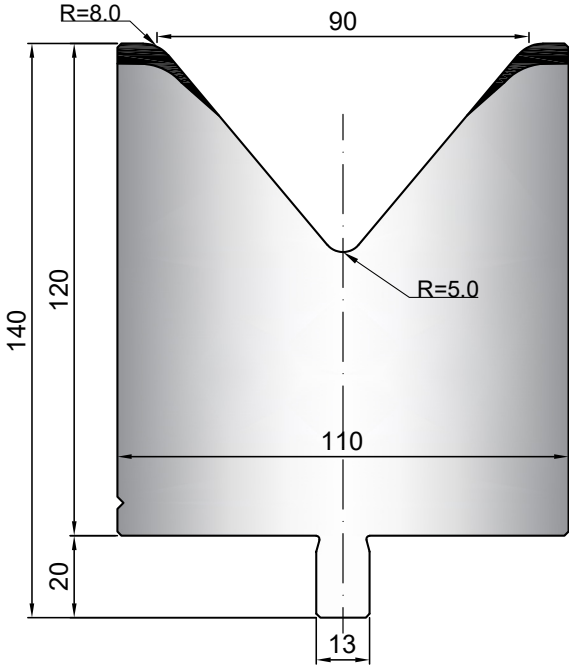
Steel: C45

Cod.	α	T/mt
40.323	80°	100



Steel: C45

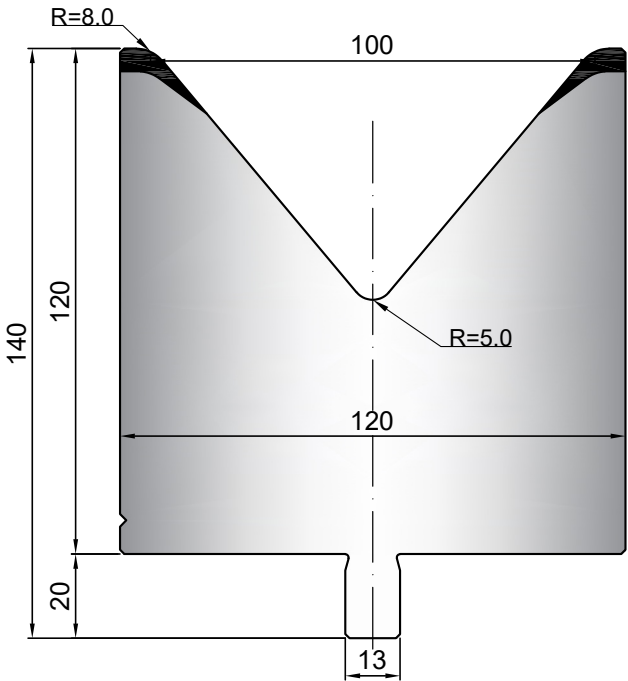
Cod.	α	T/mt
40.324	80°	100



Dies

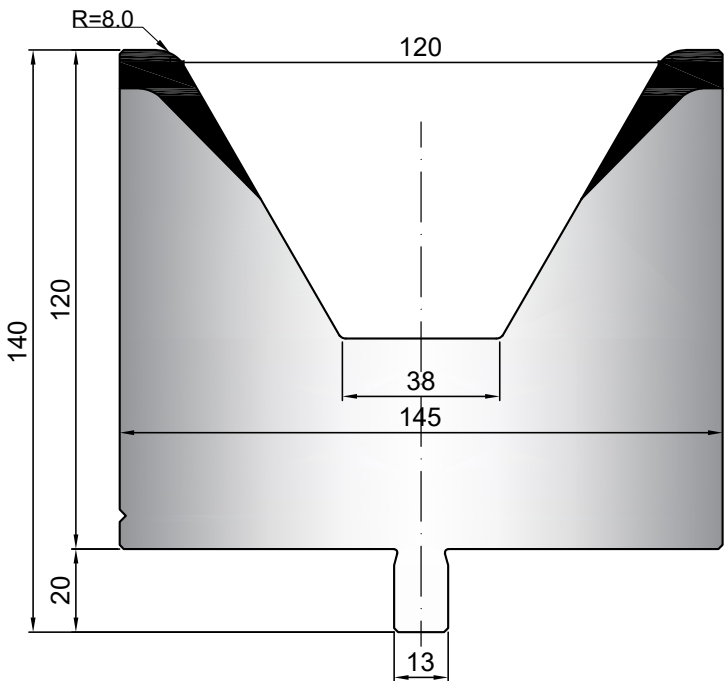
Steel: C45

Cod.	α	T/mt
40.325	80°	100



Steel: C45

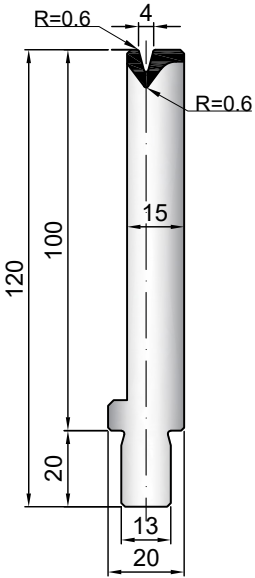
Cod.	α	T/mt
40.326	80°	100



Dies

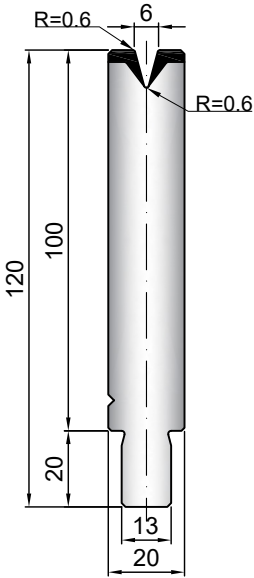
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.344	30°	100



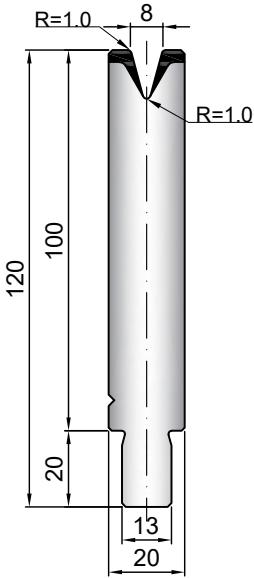
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.345	30°	50



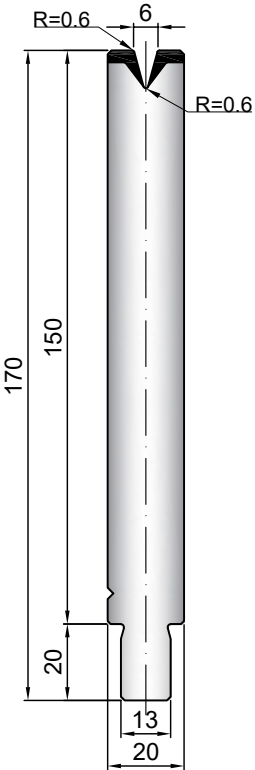
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.346	30°	40



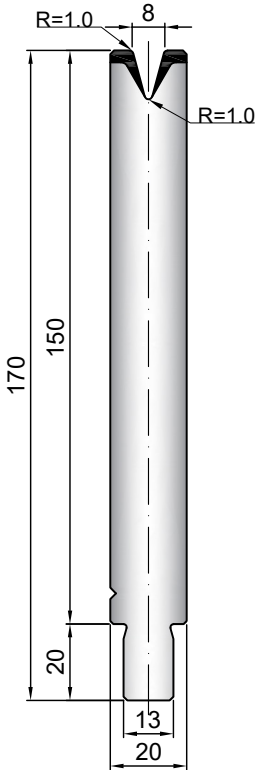
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.349	30°	50



Steel: 1.2312 Quenched

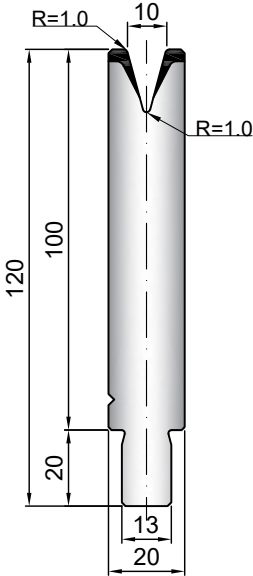
Cod.	α	T/mt
40.350	30°	40



Dies

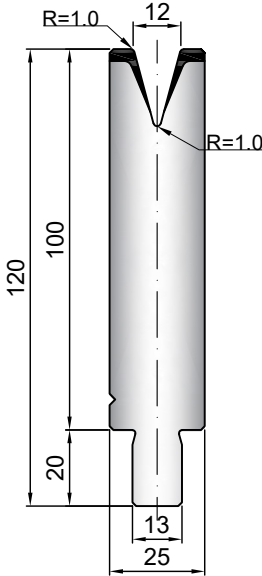
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.347	30°	40



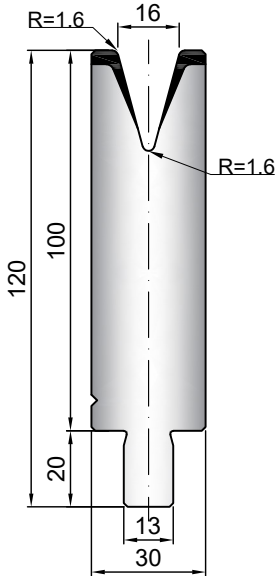
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.348	30°	40



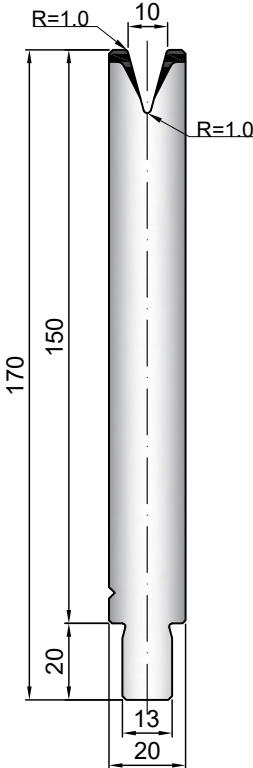
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.353	30°	45



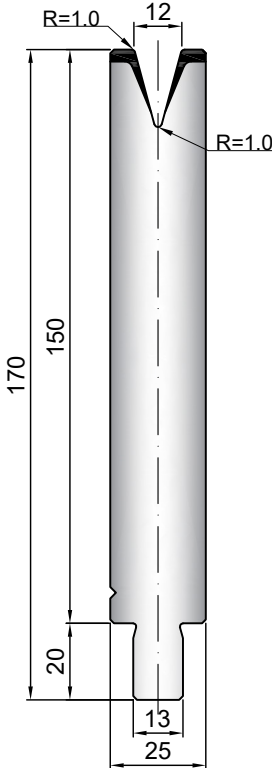
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.351	30°	40



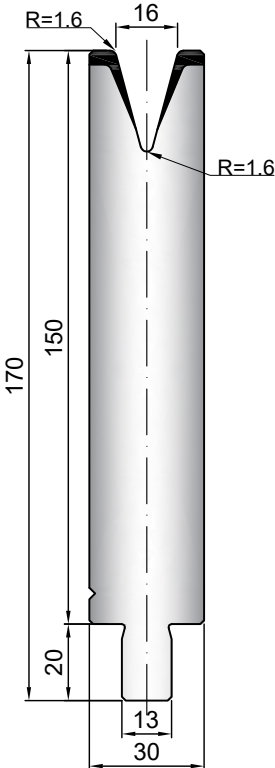
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.352	30°	40



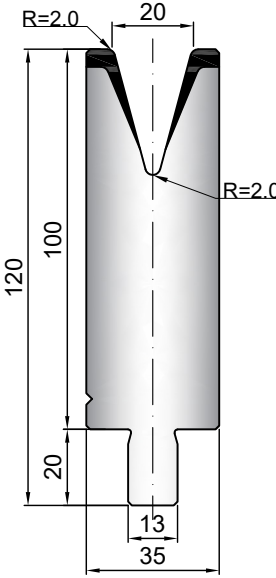
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.357	30°	45



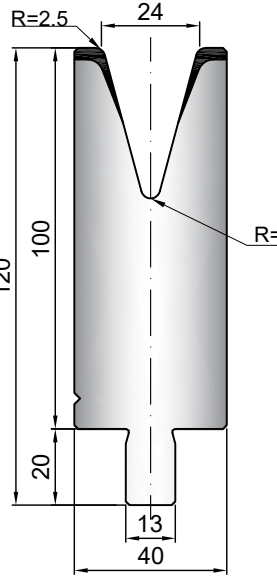
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.354	30°	50



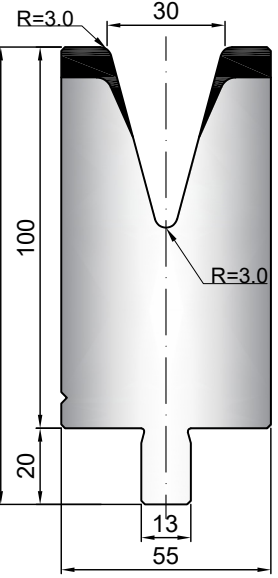
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.355	30°	50



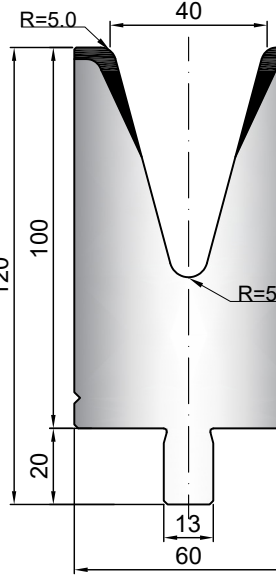
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.356	30°	60



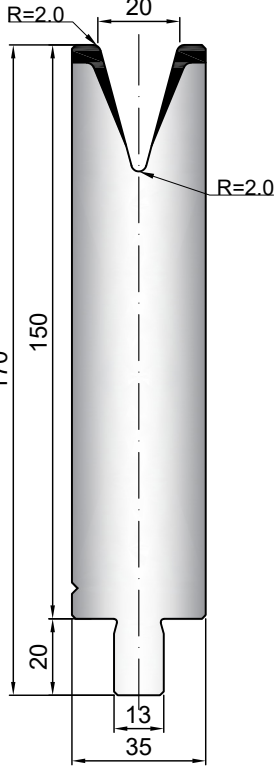
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.366	30°	50



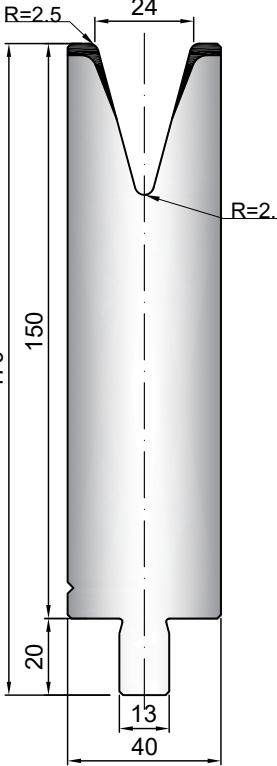
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.358	30°	50



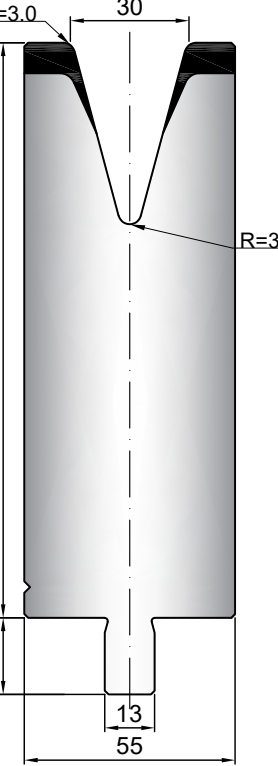
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.359	30°	50



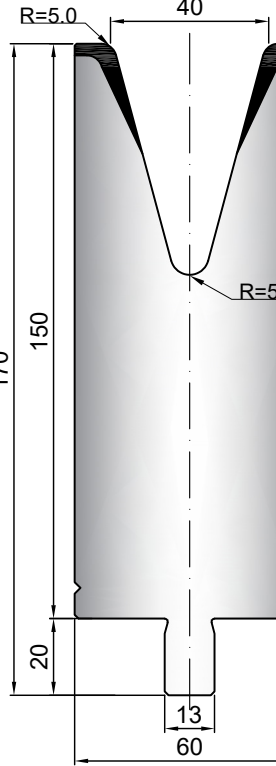
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.365	30°	60



Steel: 1.2312 Quenched

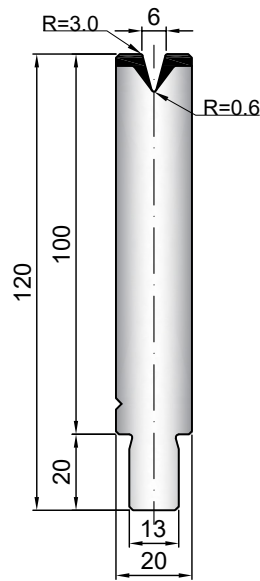
Cod.	α	T/mt
40.367	30°	50



Dies

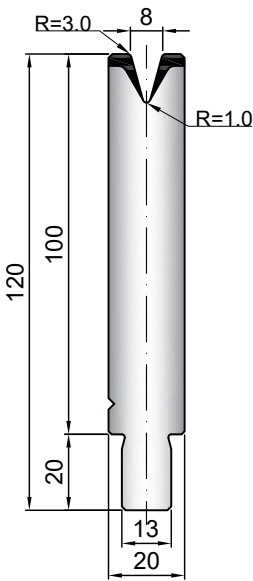
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.360	30°	40



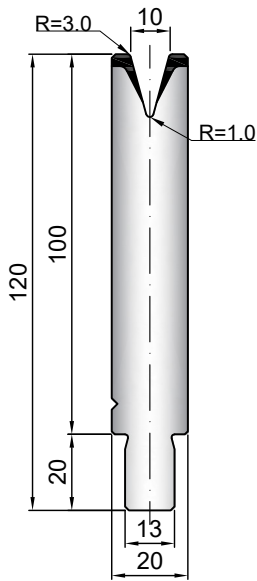
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.361	30°	50



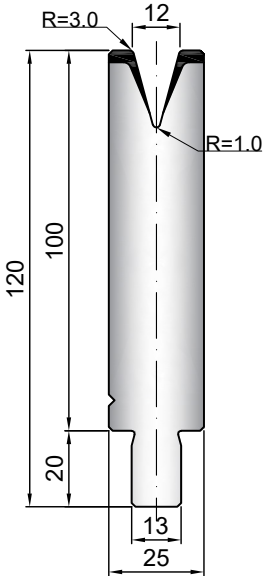
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.362	30°	40



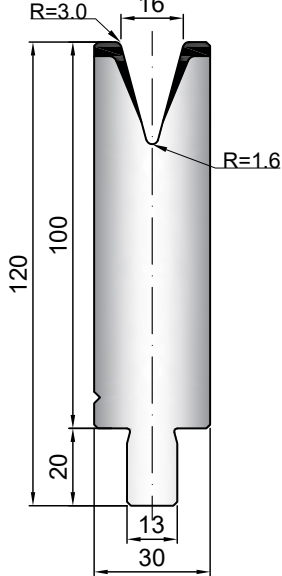
Steel: 1.2312 Quenched

Cod.	α	T/mt
40.363	30°	40

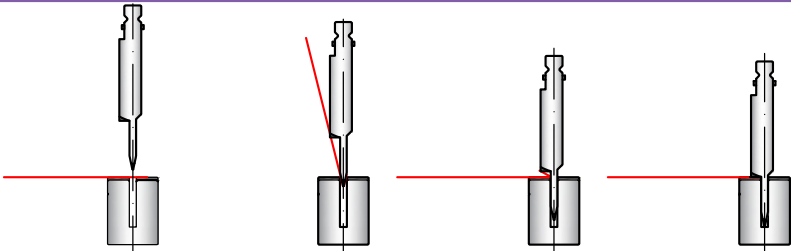


Steel: 1.2312 Quenched

Cod.	α	T/mt
40.364	30°	45

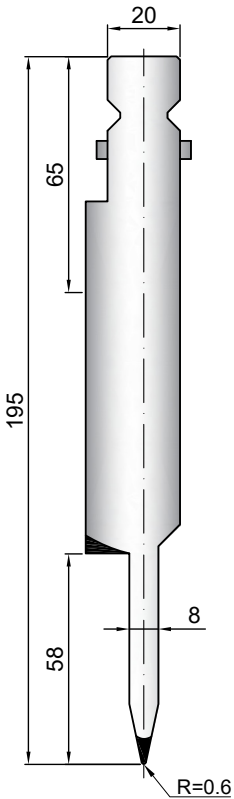


Flattening tools



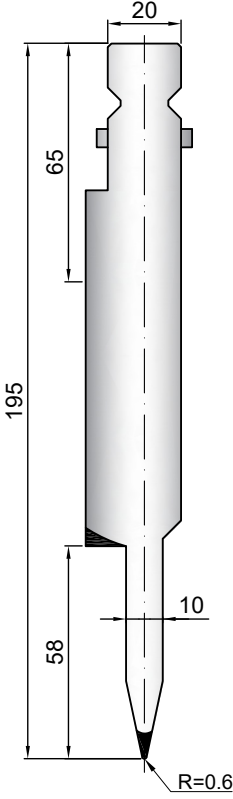
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.490	28°	80	29



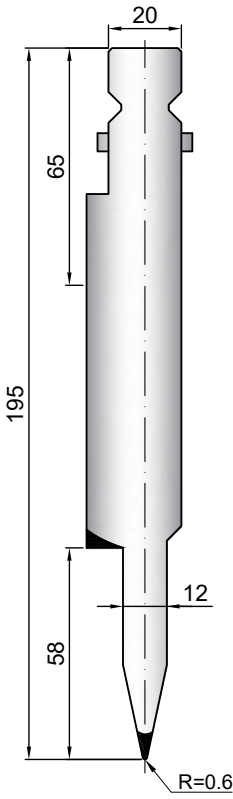
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.500	24°	80	30



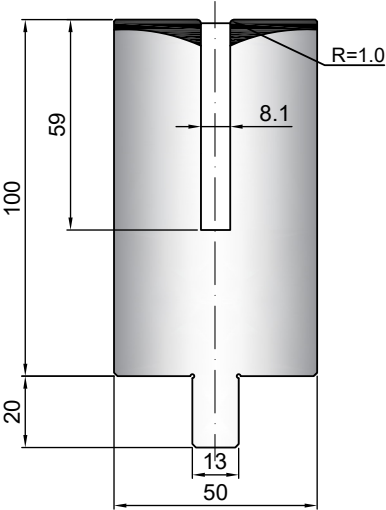
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.510	24°	80	30



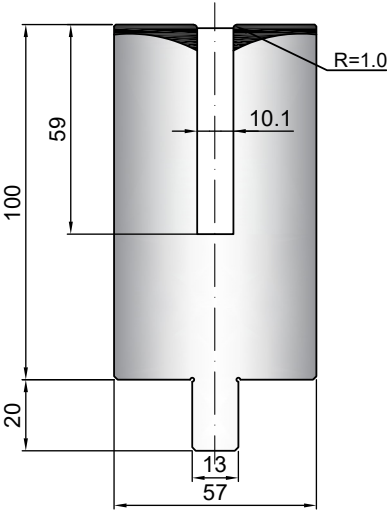
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.570	50	38



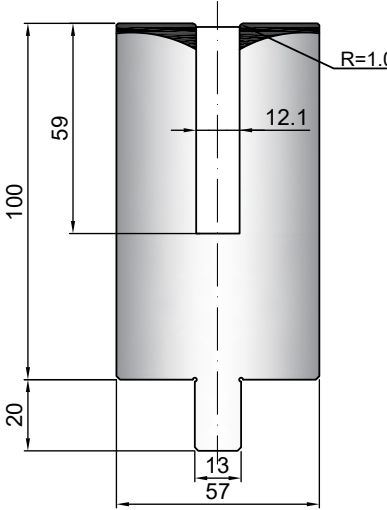
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
31.740	50	42



Steel: 1.2312 Quenched

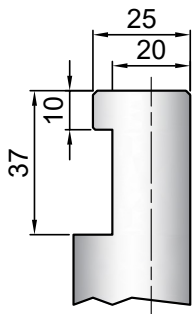
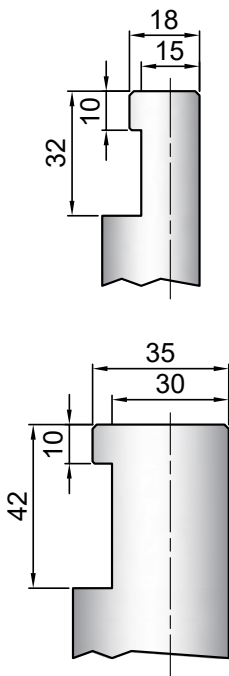
Cod.	T/mt	Kg/mt
31.750	50	42



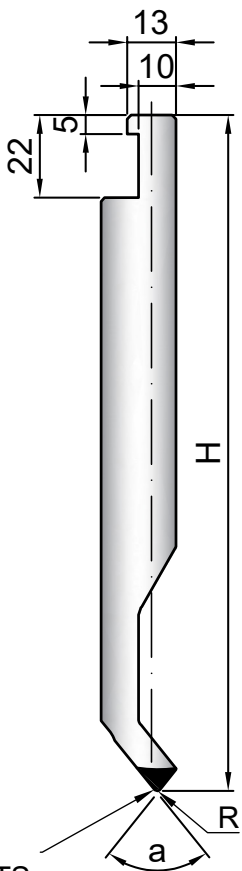
LVD



Punches are available in the following standard lengths: 508 mm - 550 mm sectioned



Description
H = Height
α = Degree
R = Radius

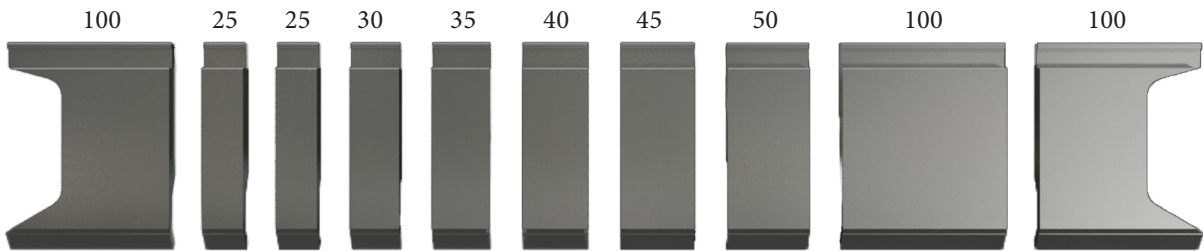


WEAR PARTS

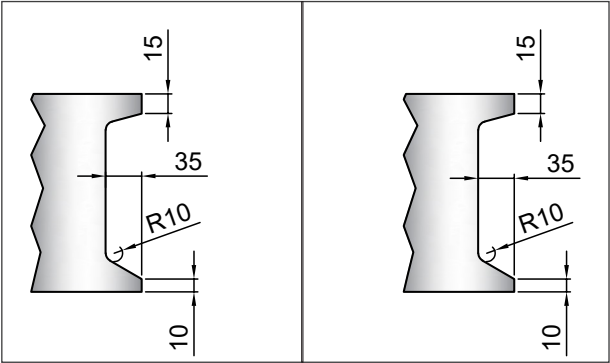
508 mm



550 mm Sect.



Horns
LVD



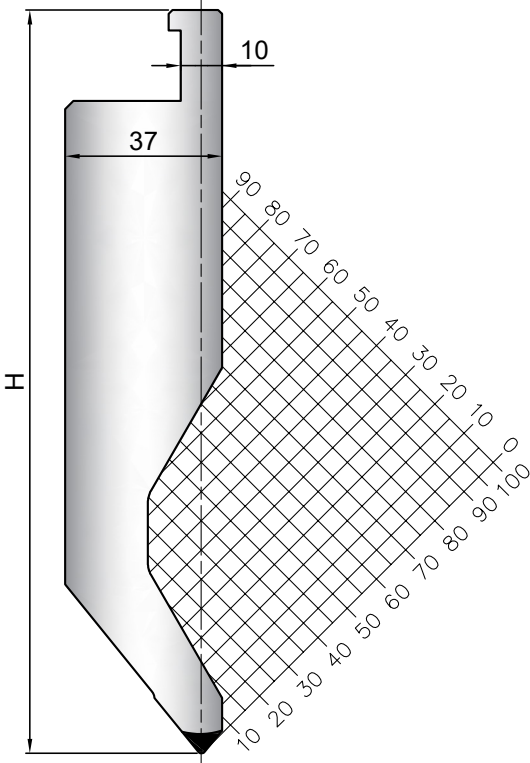
Horns
LVD/Wila

Punches

78° - 26°

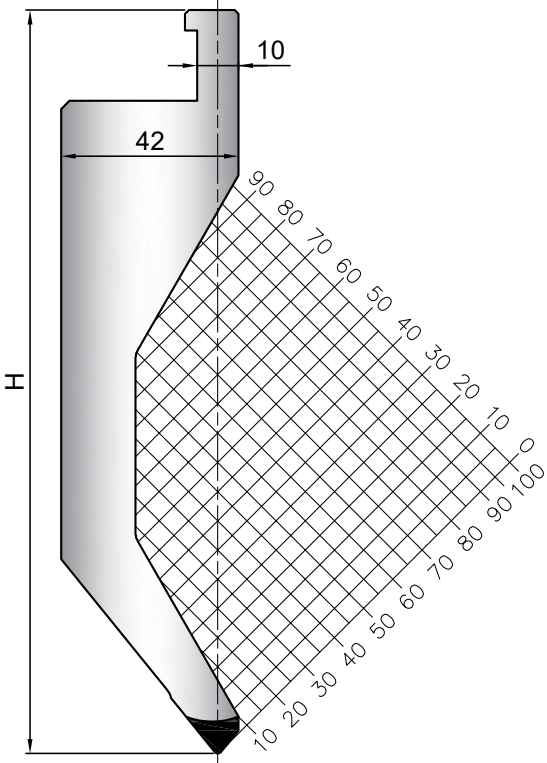
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
14.100	78°	1.00	180.00	70



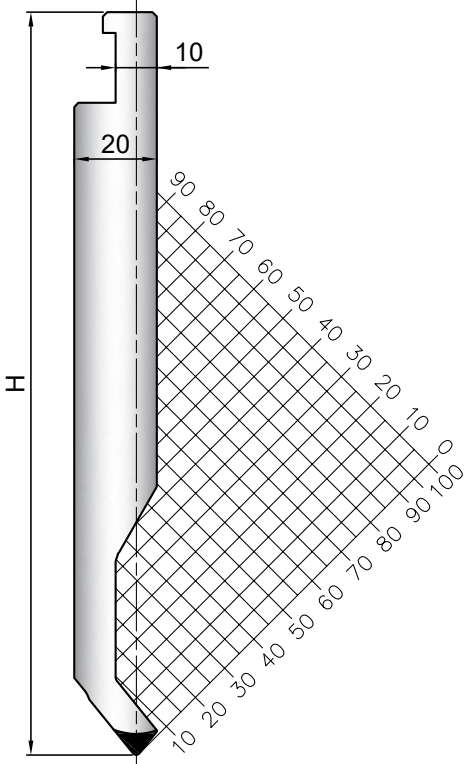
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
14.101	78°	1.00	180.00	45



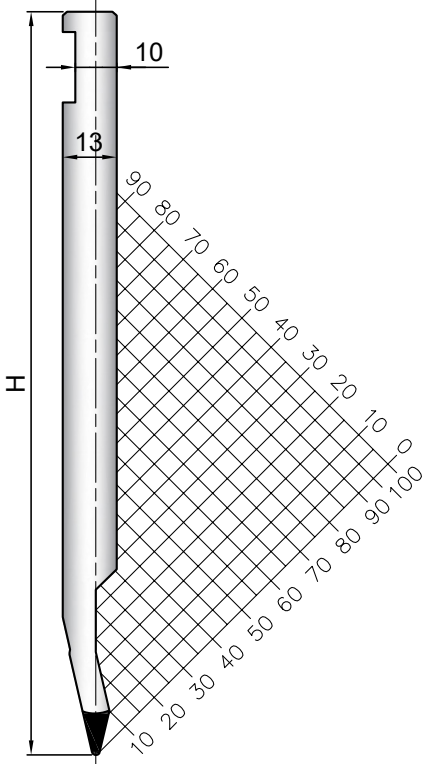
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
14.102	78°	1.00	180.00	40



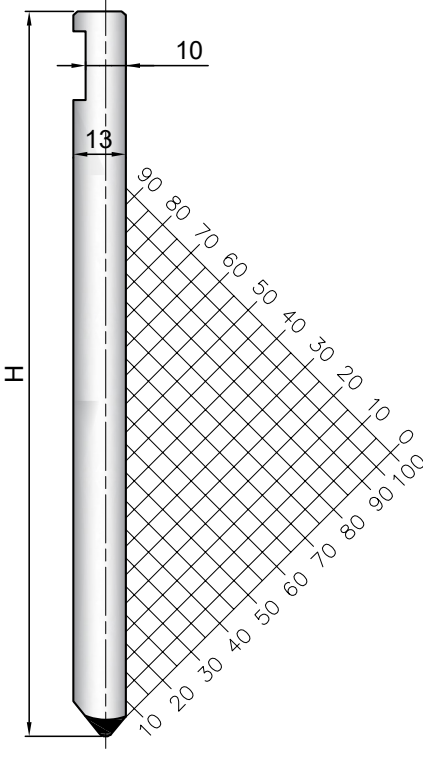
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
14.103	26°	1.00	180.00	50

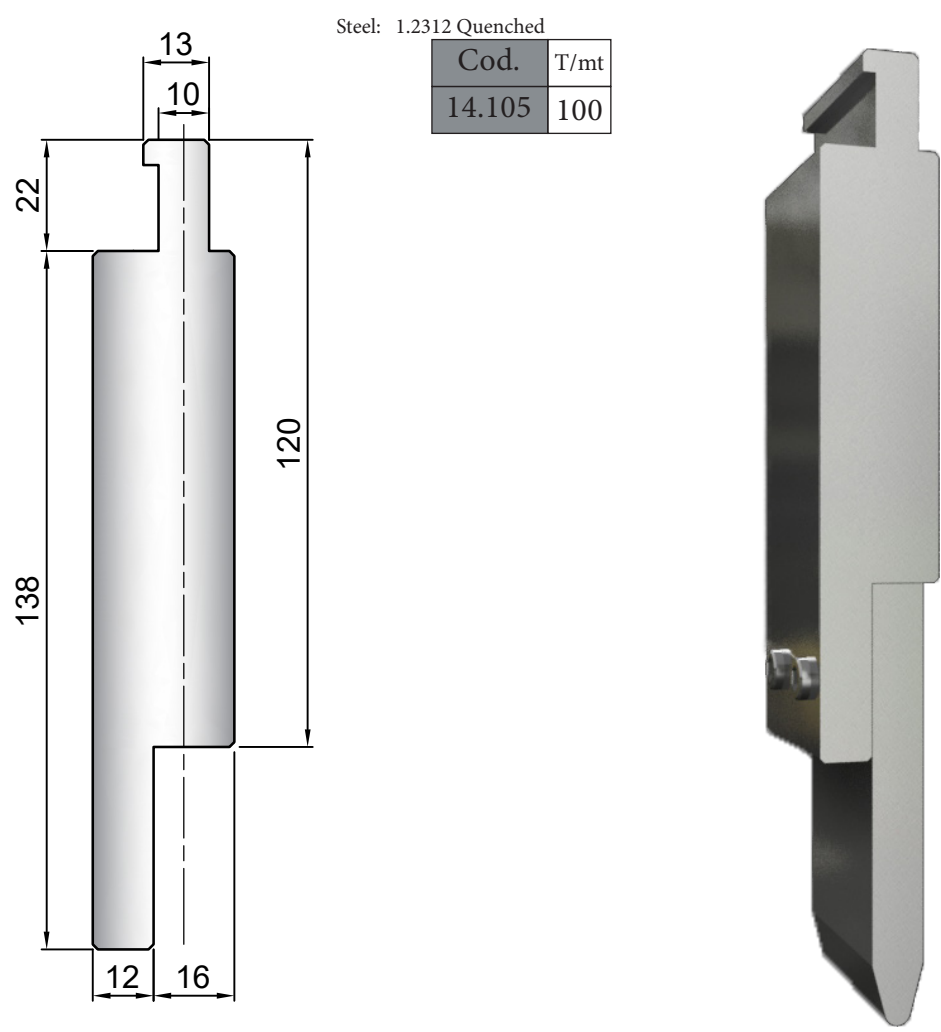


Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
14.104	78°	2.00	180.00	100

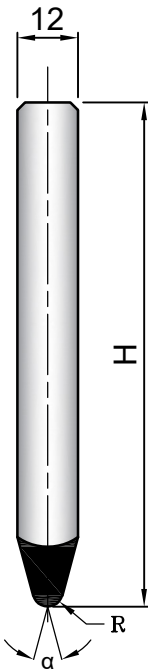


Blade holders



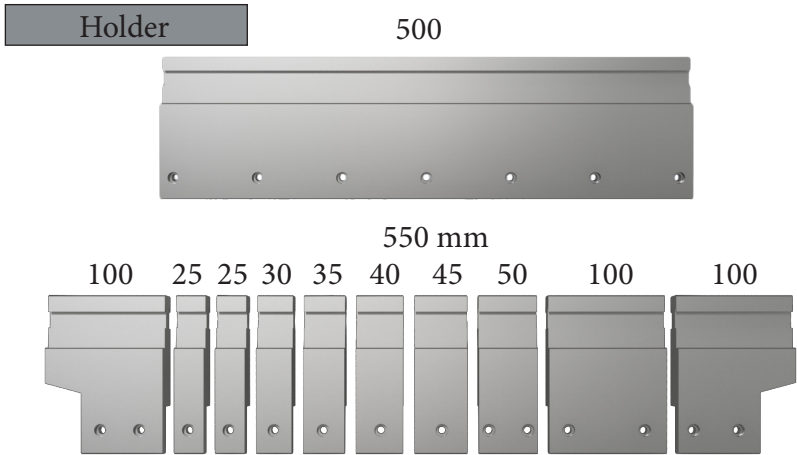
Steel: 1.2312 Quenched

Cod.	T/mt
14.105	100



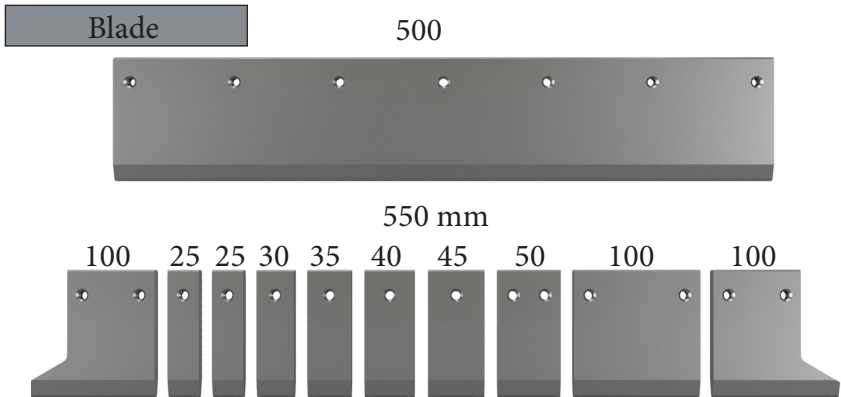
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.500	28°	0.50	100.00	100
13.501	28°	1.00	100.00	100
13.502	28°	2.00	100.00	100
13.503	28°	3.00	100.00	100
13.504	28°	4.00	100.00	100
13.505	28°	5.00	100.00	100
13.506	28°	6.00	100.00	100



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.520	84°	1.00	100.00	100



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.530	86°	1.00	100.00	100

Steel: 1.2312 Quenched

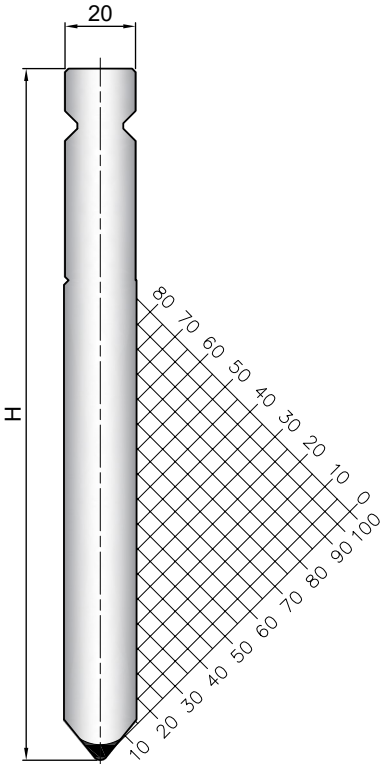
Cod.	α	R	H	T/mt
13.550	90°	0.50	100.00	100
13.551	90°	1.00	100.00	100
13.552	90°	1.50	100.00	100
13.553	90°	2.00	100.00	100

Punches

Wila - LVD

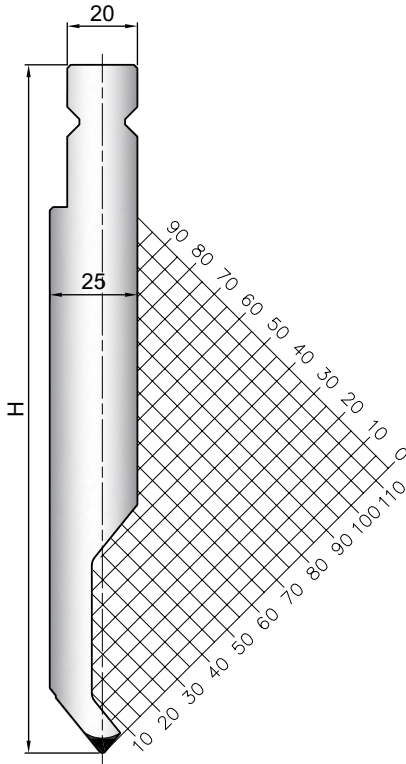
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.001	78°	2.00	196.00	120



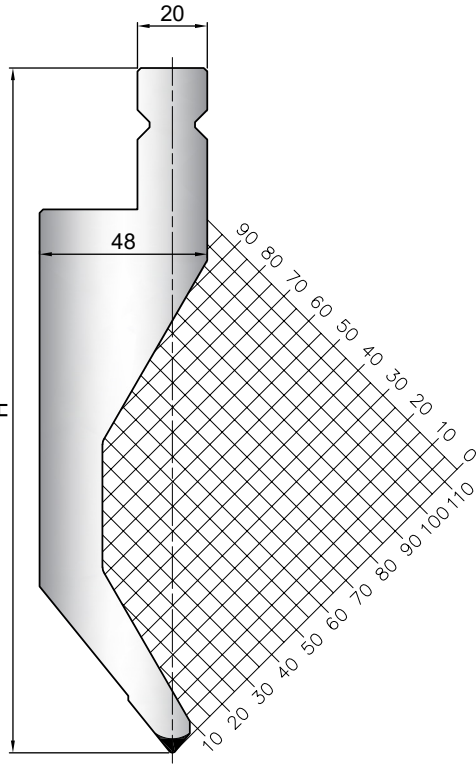
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.002	78°	1.00	196.00	40



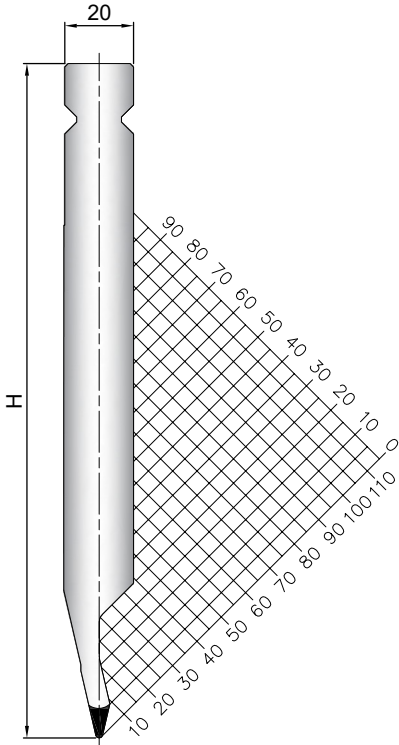
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.003	78°	1.00	196.00	50



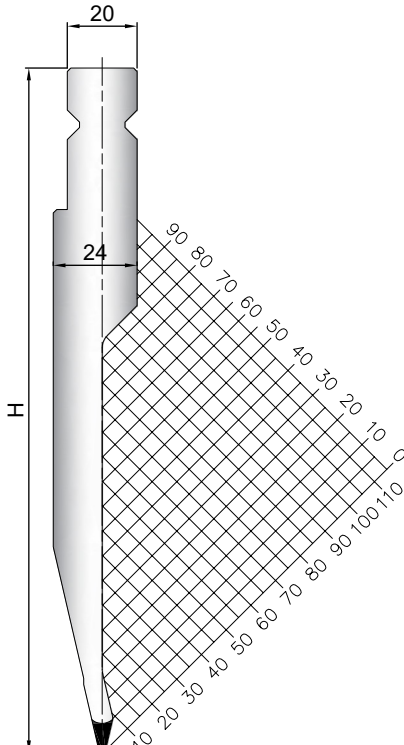
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.004	26°	1.00	196.00	40



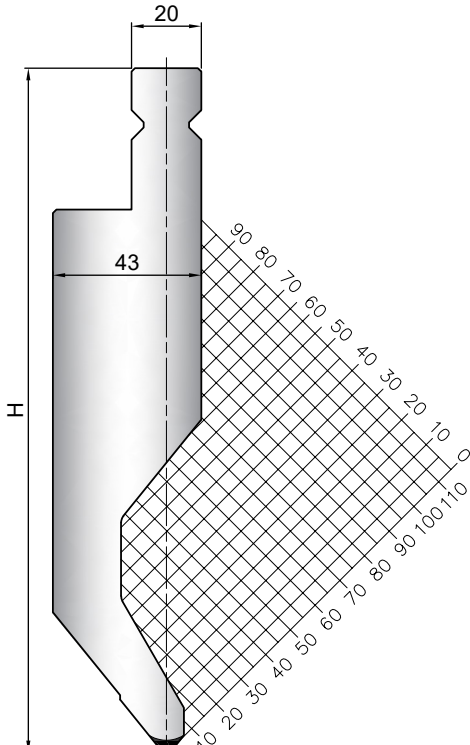
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.005	26°	1.00	196.00	40



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.006	78°	2.00	196.00	70

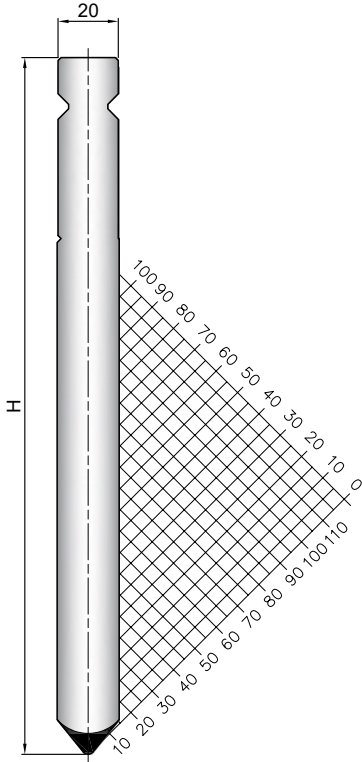


Punches

Wila - LVD

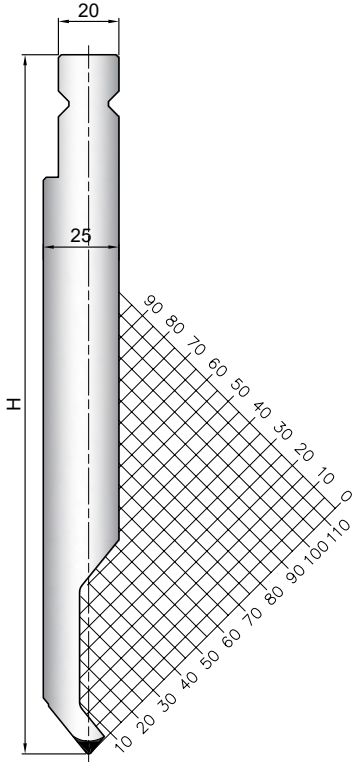
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.007	78°	3.00	231.00	120



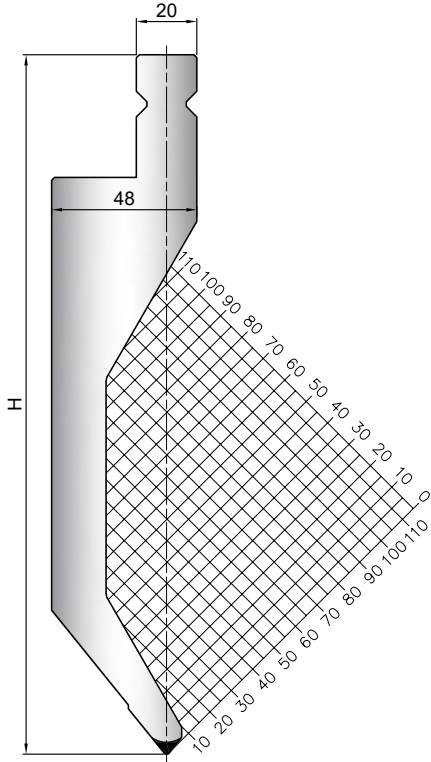
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.008	78°	2.00	231.00	50



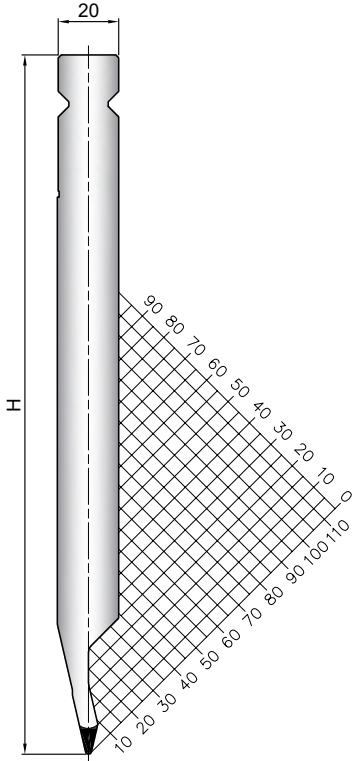
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.009	78°	2.00	231.00	50



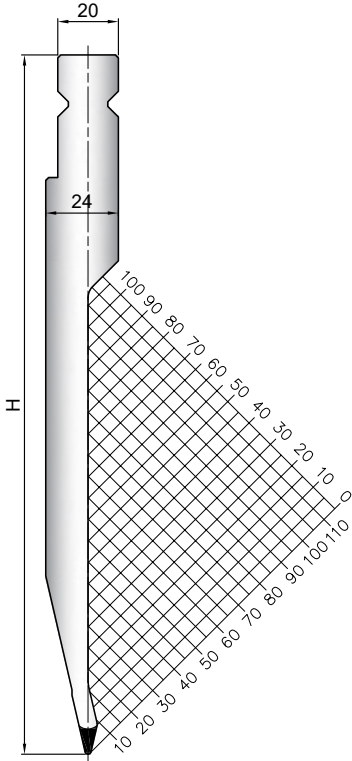
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.010	26°	2.00	231.00	50



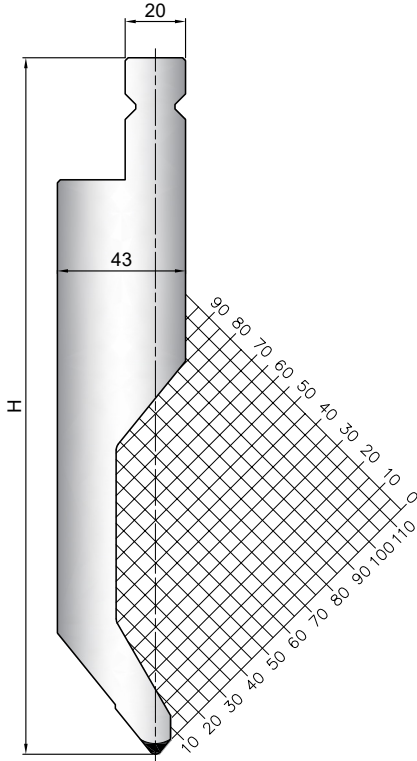
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
18.011	26°	2.00	231.00	50



Steel: 1.2312 Quenched

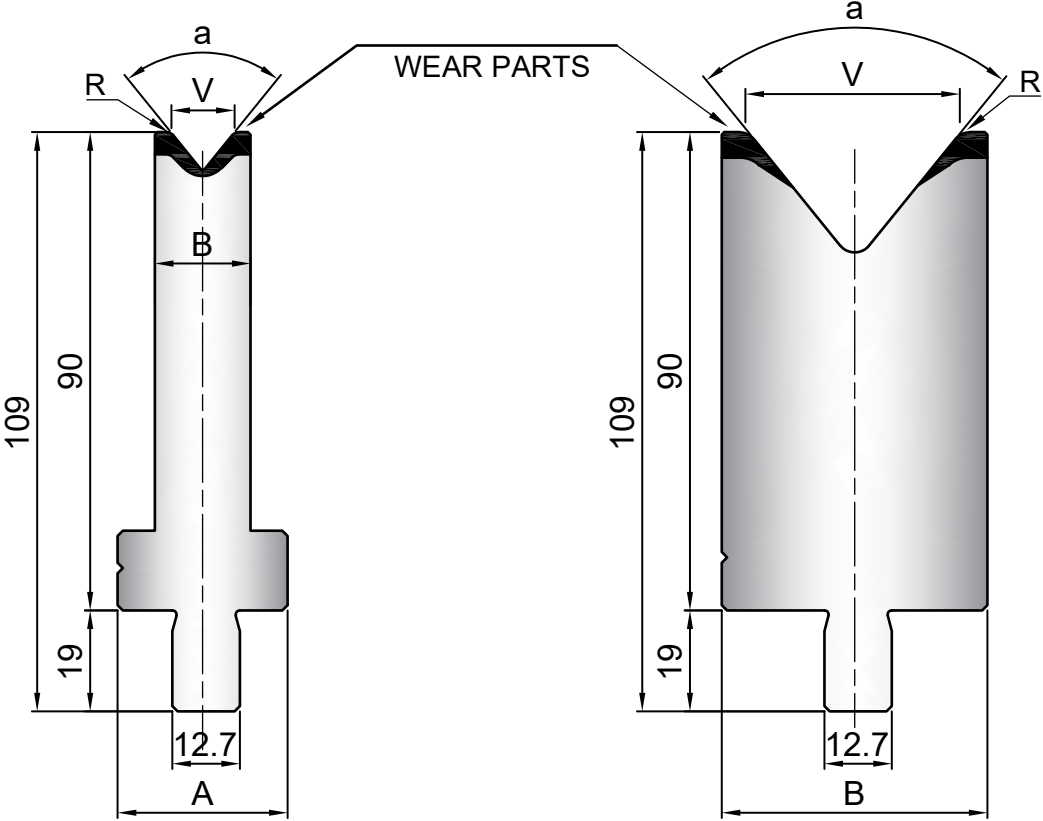
Cod.	α	R	H	T/mt
18.012	78°	2.00	231.00	70



Dies



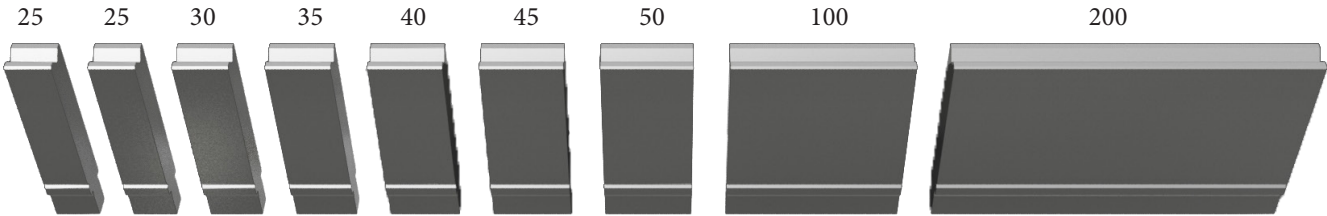
Dies are available in the following standard lengths: 500 mm - 550 mm sectioned



508 mm



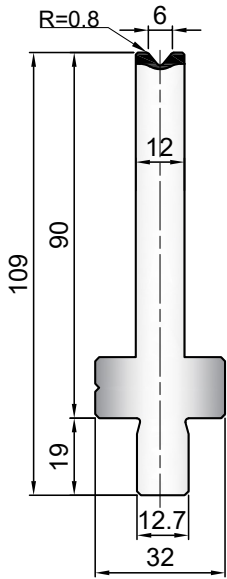
550 mm Sect.



Dies

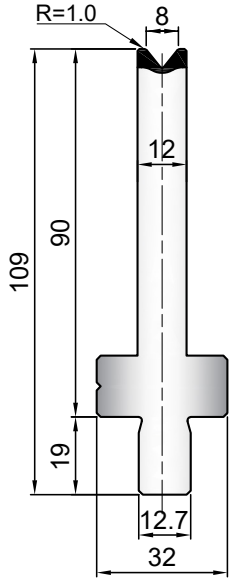
Steel: C45

Cod.	α	T/mt
32.104	78°	40



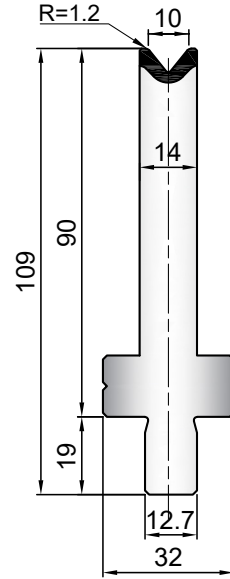
Steel: C45

Cod.	α	T/mt
32.105	78°	40



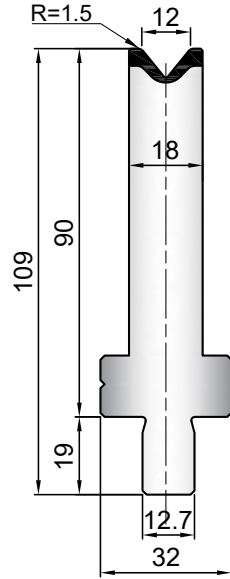
Steel: C45

Cod.	α	T/mt
32.106	78°	50



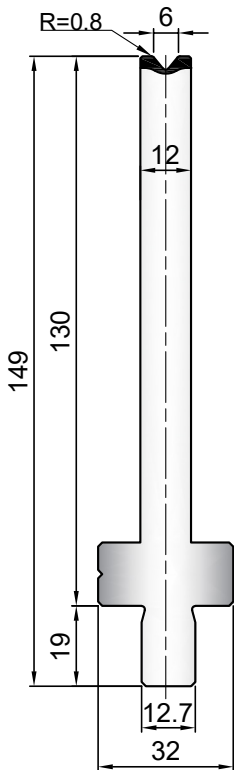
Steel: C45

Cod.	α	T/mt
32.107	78°	60



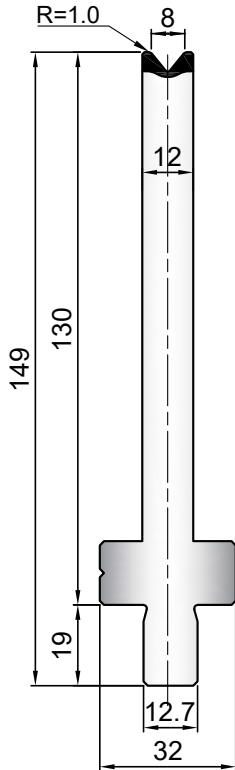
Steel: C45

Cod.	α	T/mt
32.151	78°	40



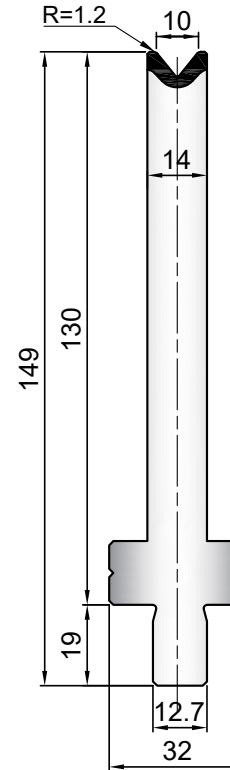
Steel: C45

Cod.	α	T/mt
32.152	78°	40



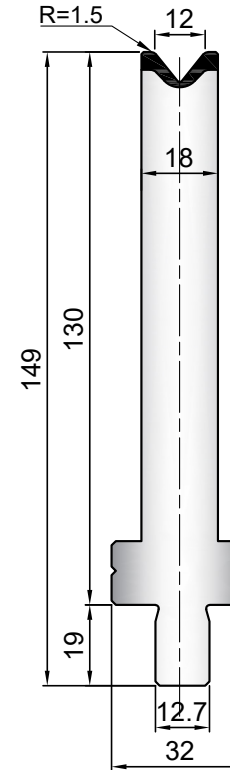
Steel: C45

Cod.	α	T/mt
32.153	78°	50



Steel: C45

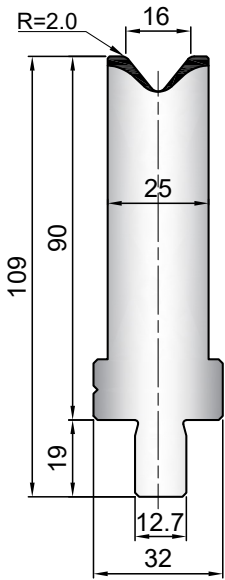
Cod.	α	T/mt
32.154	78°	60



Dies

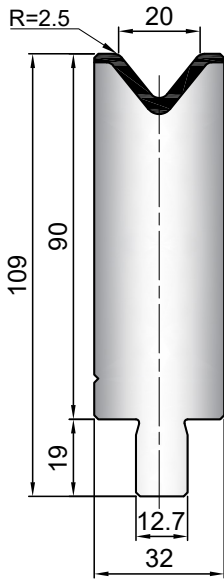
Steel: C45

Cod.	α	T/mt
32.111	78°	80



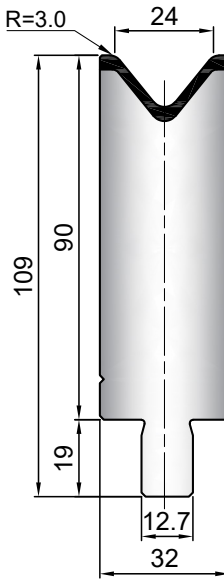
Steel: C45

Cod.	α	T/mt
32.112	78°	100



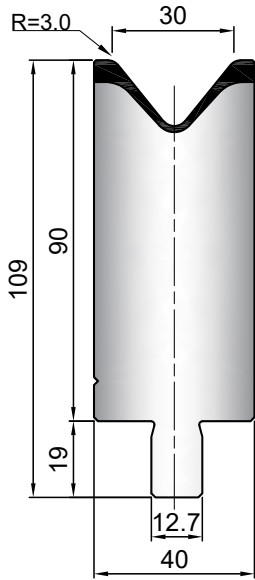
Steel: C45

Cod.	α	T/mt
32.113	78°	100



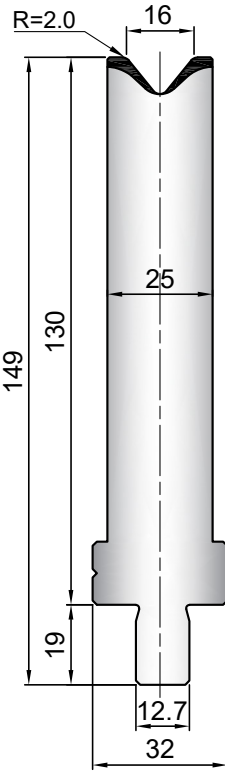
Steel: C45

Cod.	α	T/mt
32.114	78°	110



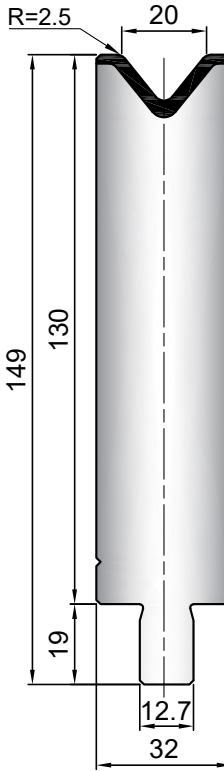
Steel: C45

Cod.	α	T/mt
32.155	78°	80



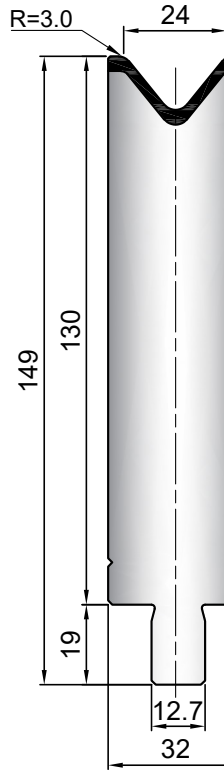
Steel: C45

Cod.	α	T/mt
32.156	78°	100



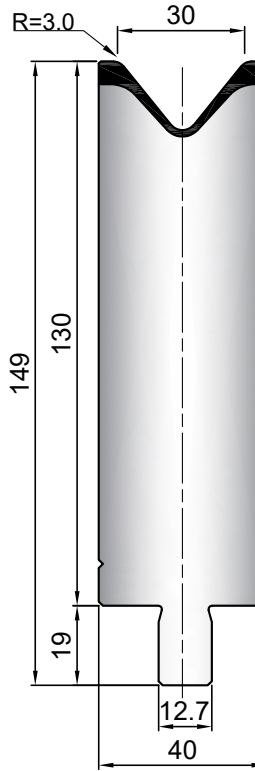
Steel: C45

Cod.	α	T/mt
32.157	78°	100



Steel: C45

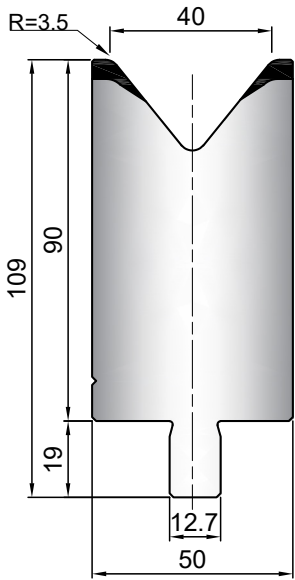
Cod.	α	T/mt
32.158	78°	110



Dies

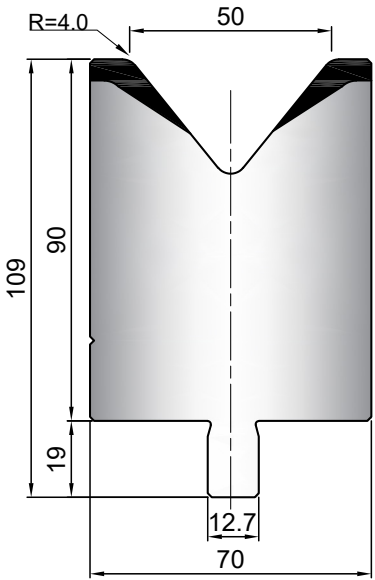
Steel: C45

Cod.	α	T/mt
32.115	78°	40



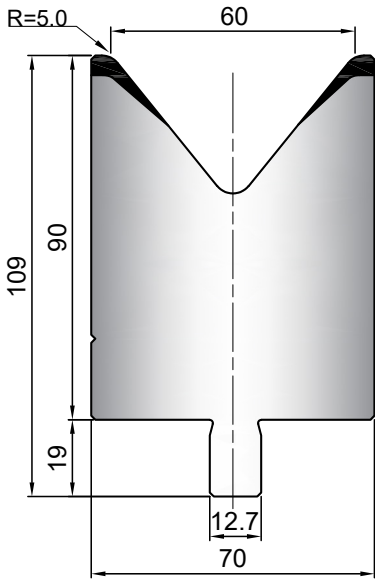
Steel: C45

Cod.	α	T/mt
32.116	78°	40



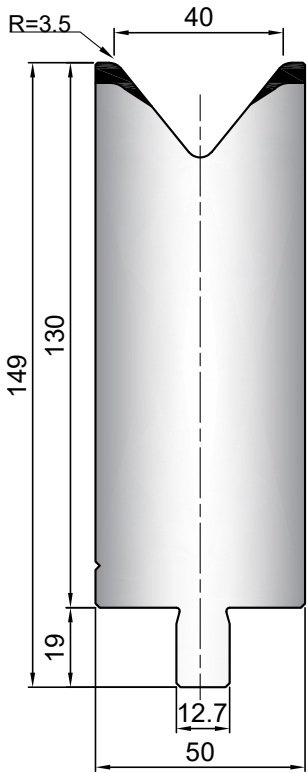
Steel: C45

Cod.	α	T/mt
32.117	78°	50



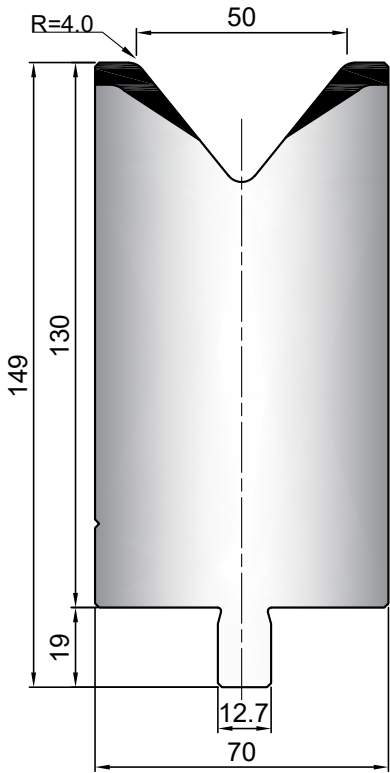
Steel: C45

Cod.	α	T/mt
32.159	78°	40



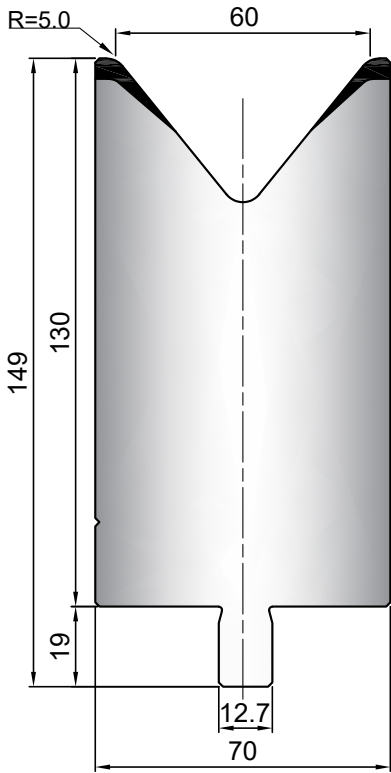
Steel: C45

Cod.	α	T/mt
32.160	78°	40



Steel: C45

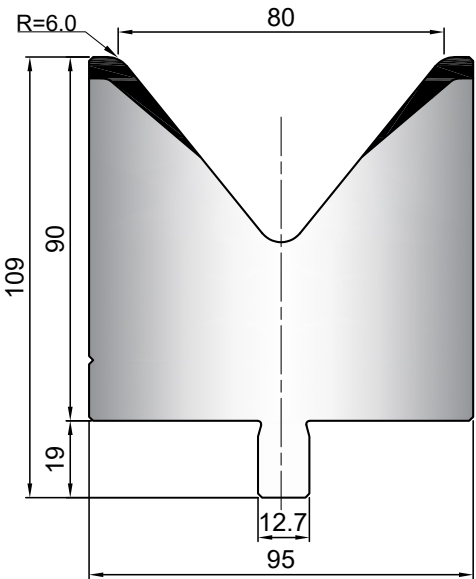
Cod.	α	T/mt
32.161	78°	50



Dies

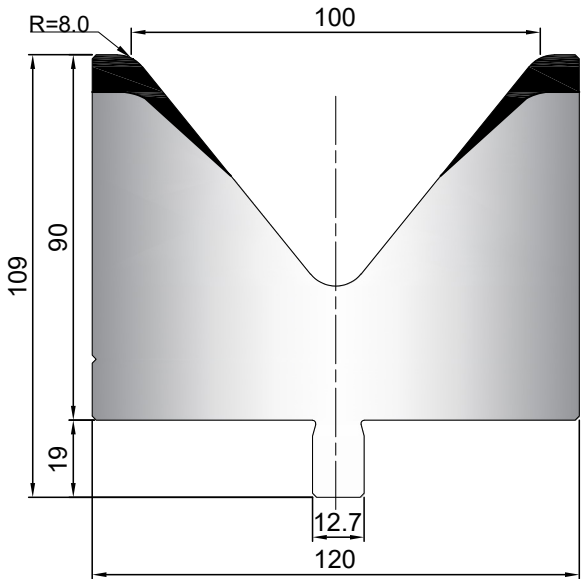
Steel: C45

Cod.	α	T/mt
32.118	78°	150



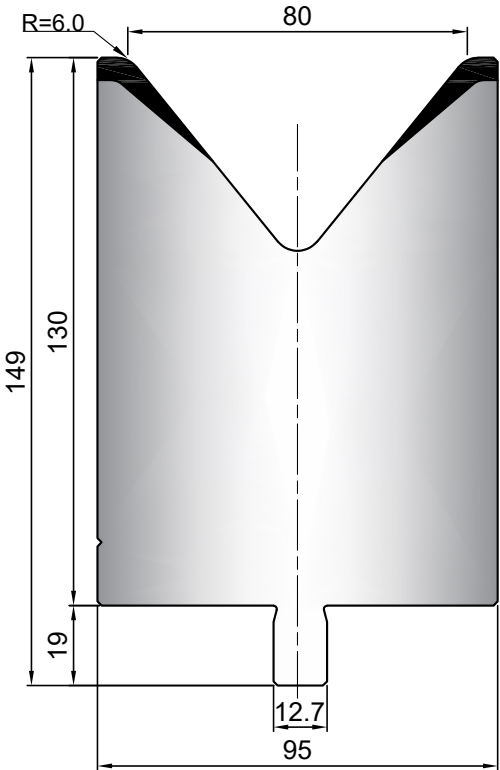
Steel: C45

Cod.	α	T/mt
32.119	78°	150



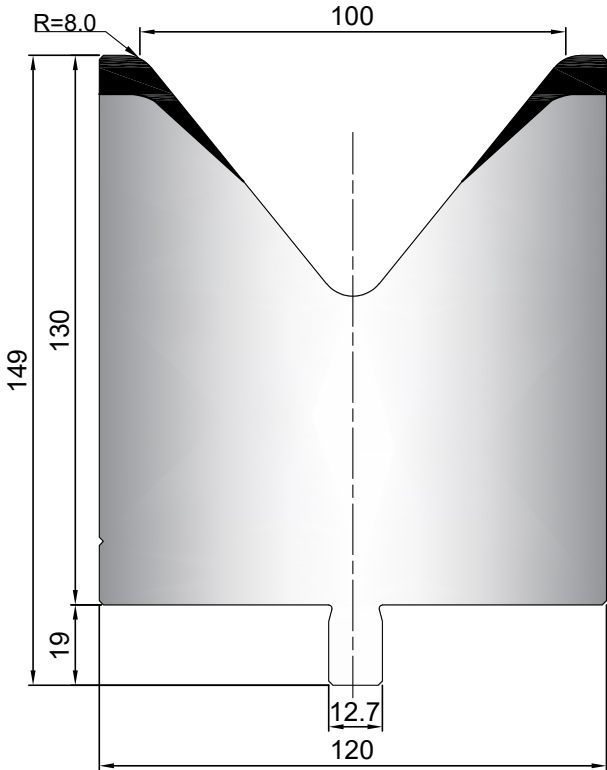
Steel: C45

Cod.	α	T/mt
32.162	78°	150



Steel: C45

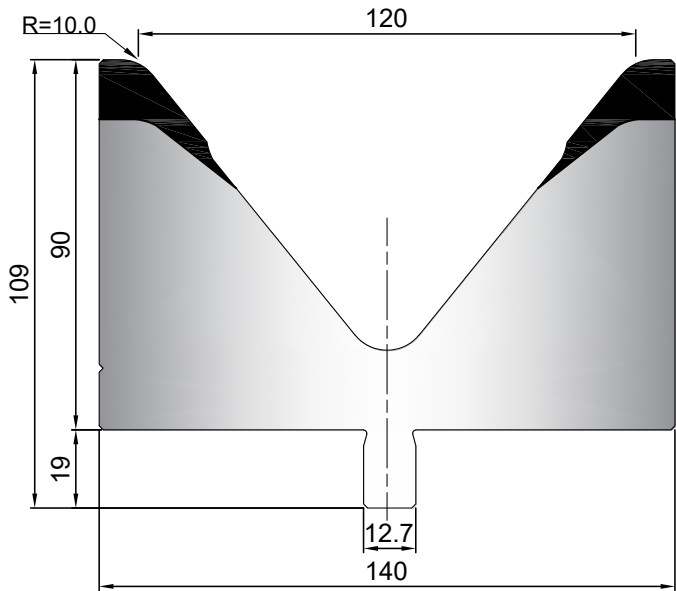
Cod.	α	T/mt
32.164	78°	150



Dies

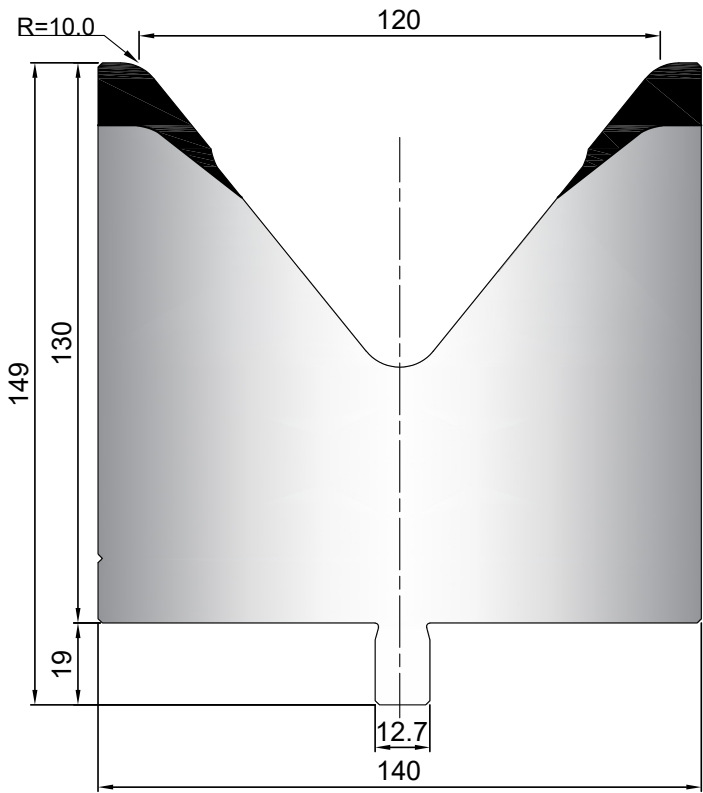
Steel: C45

Cod.	α	T/mt
32.163	78°	150



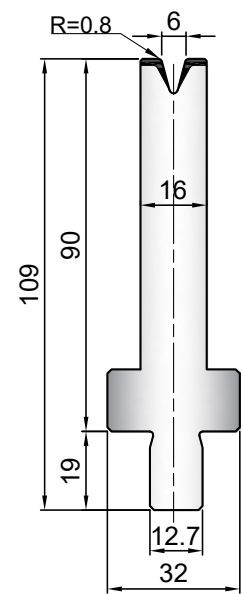
Steel: C45

Cod.	α	T/mt
32.120	78°	150



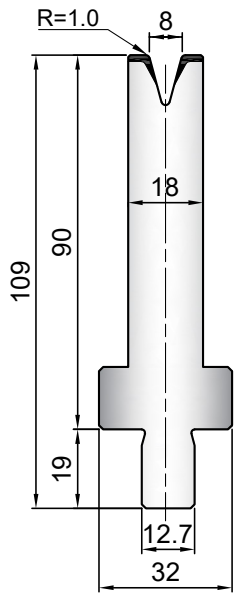
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.100	30°	35



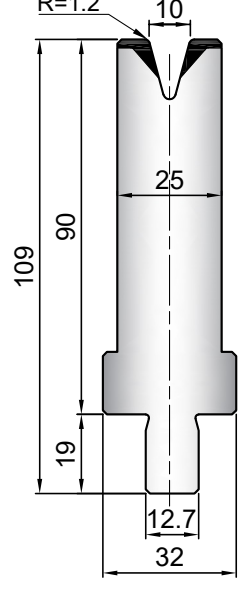
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.101	30°	35



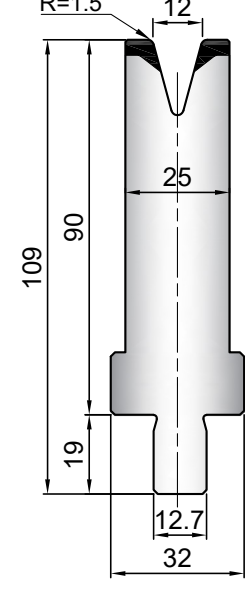
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.102	30°	50



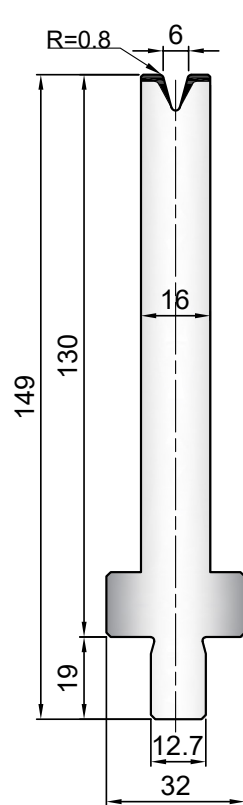
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.103	30°	50



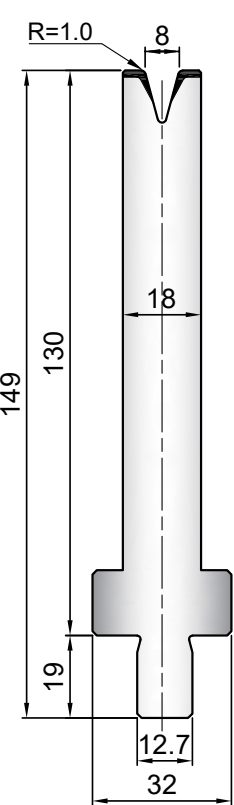
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.124	30°	35



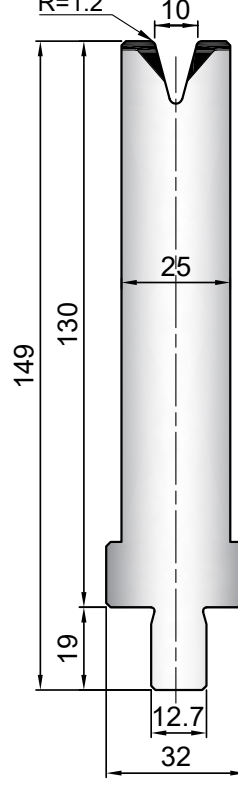
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.125	30°	35



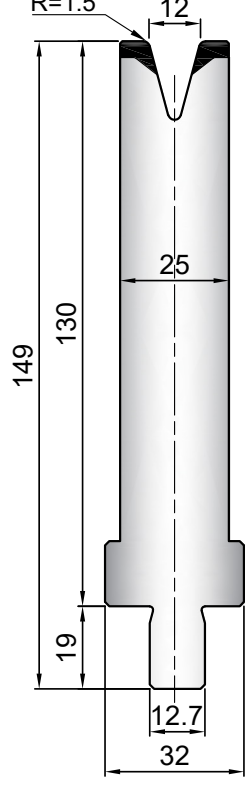
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.126	30°	50



Steel: 1.2312 Quenched

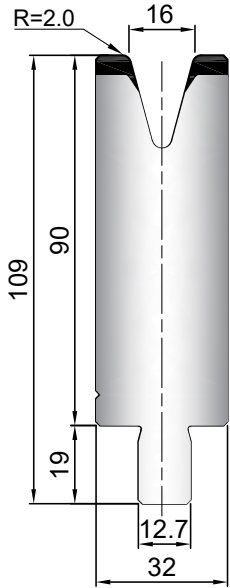
Cod.	α	T/mt
32.127	30°	50



Dies

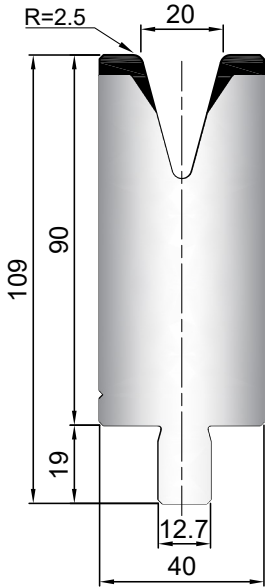
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.108	30°	50



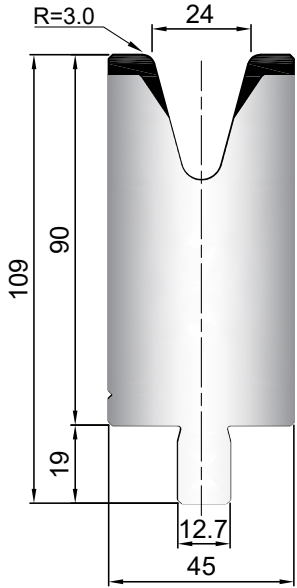
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.109	30°	55



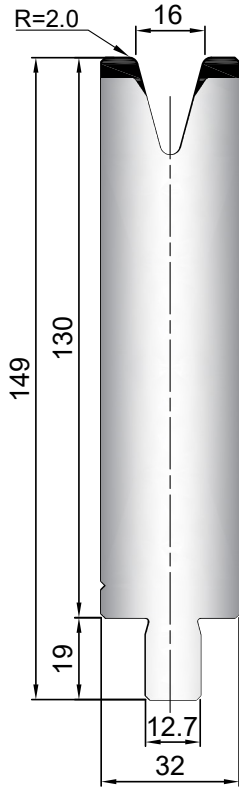
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.110	30°	60



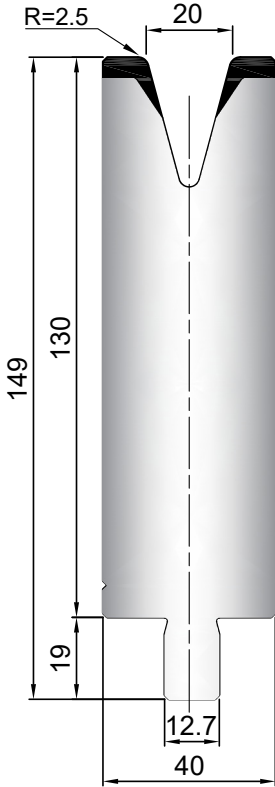
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.128	30°	50



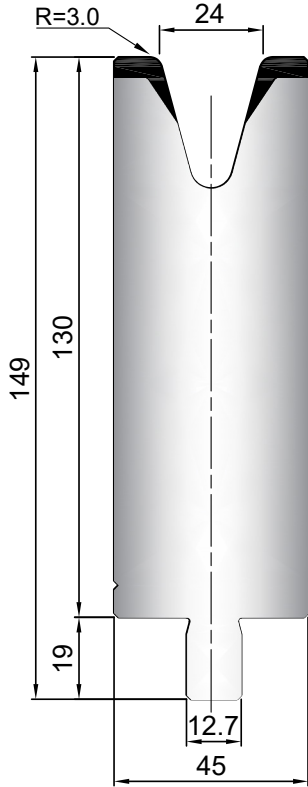
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.129	30°	55



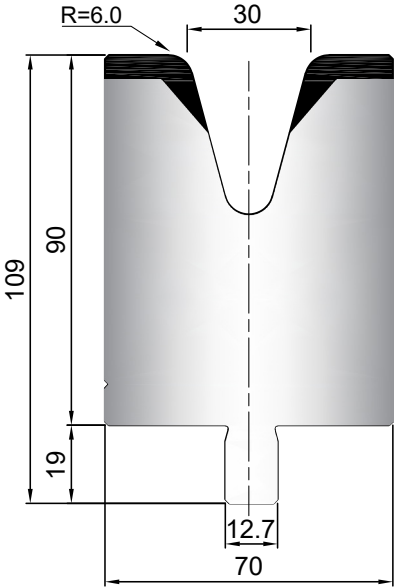
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.130	30°	60



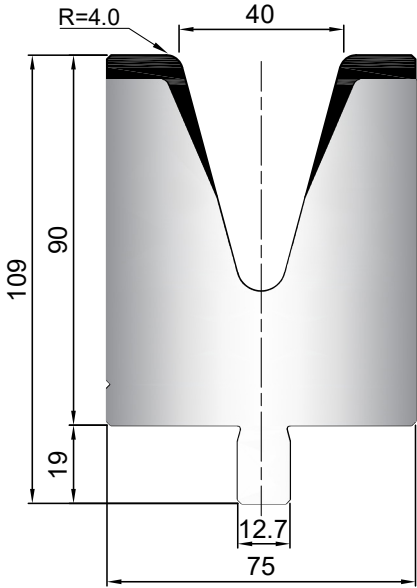
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.131	30°	100



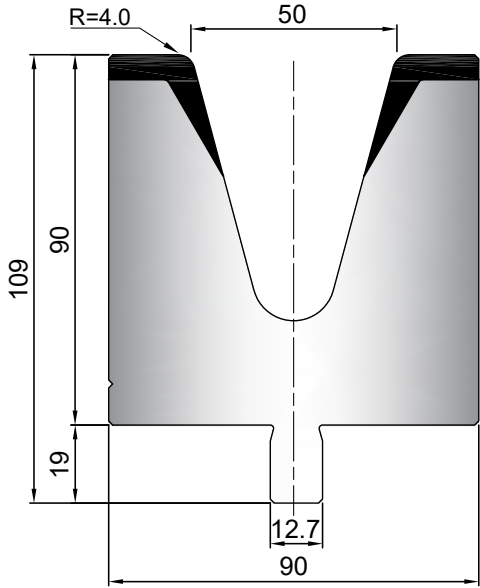
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.132	30°	100



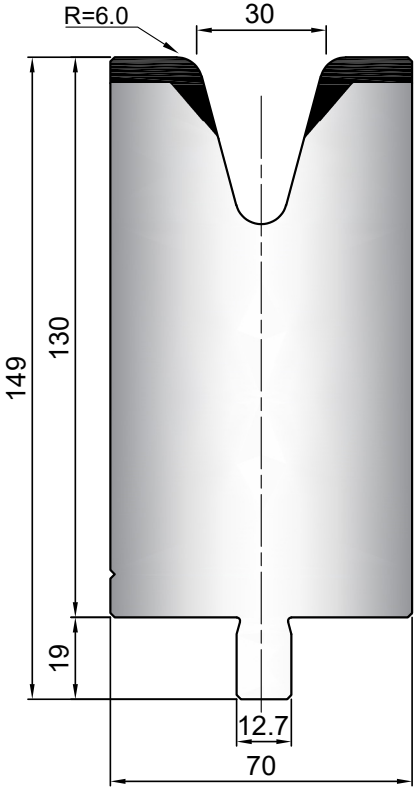
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.133	30°	130



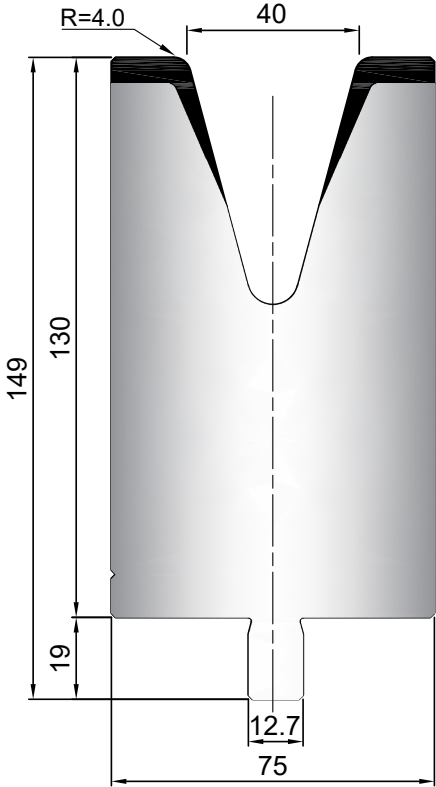
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.134	30°	100



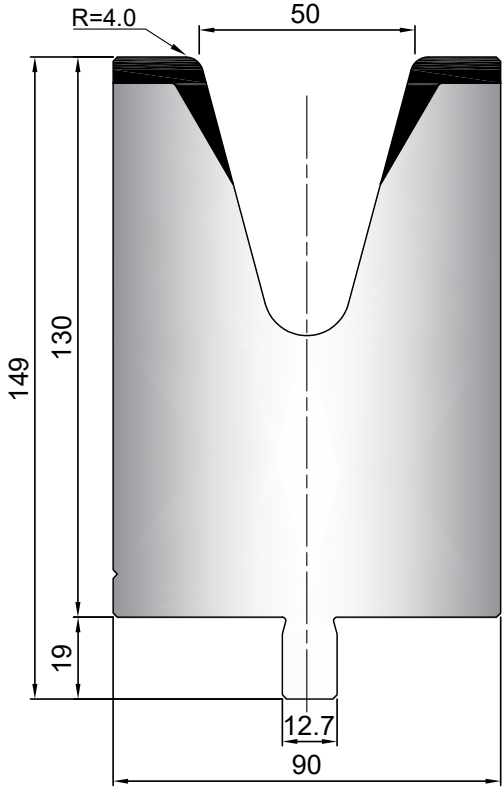
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.135	30°	100



Steel: 1.2312 Quenched

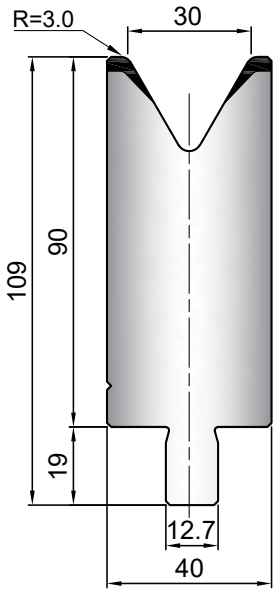
Cod.	α	T/mt
32.136	30°	130



Dies

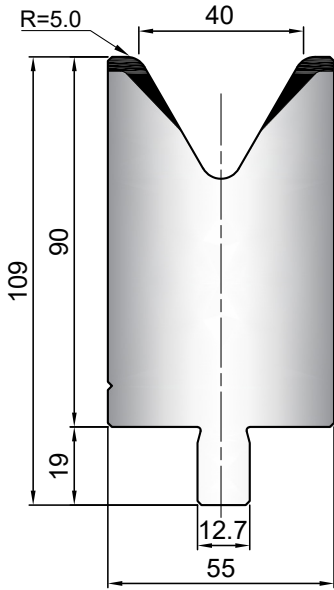
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.137	60°	120



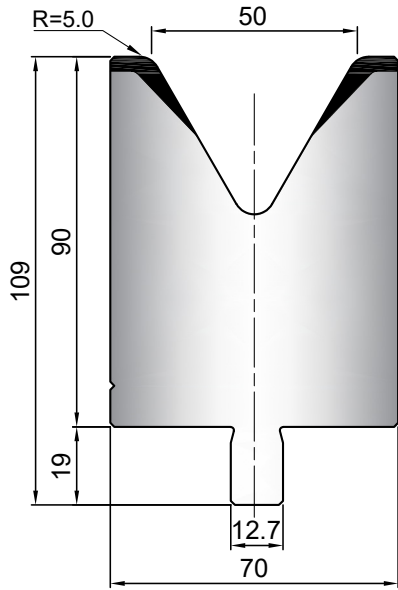
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.138	60°	120



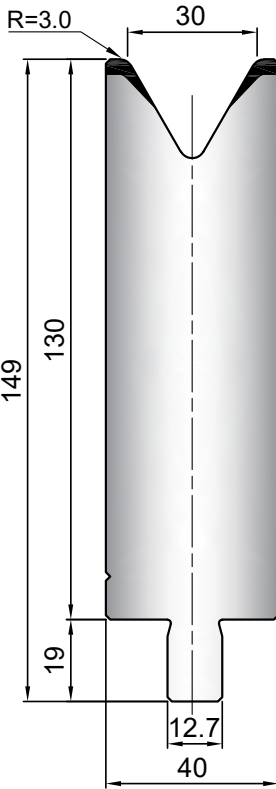
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.139	60°	120



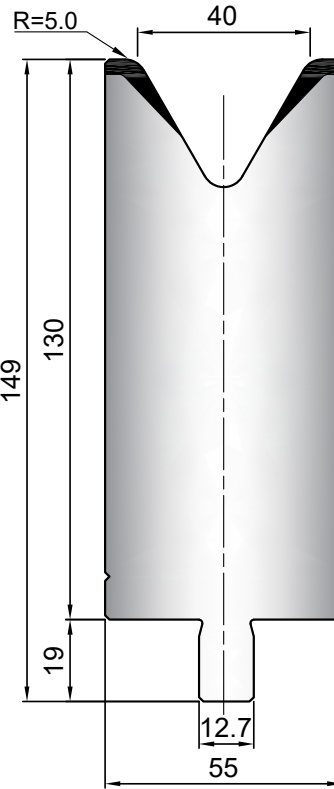
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.140	60°	120



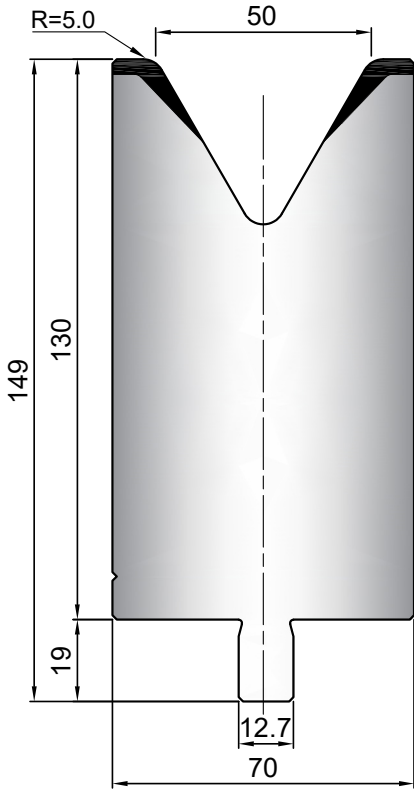
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.141	60°	120



Steel: 1.2312 Quenched

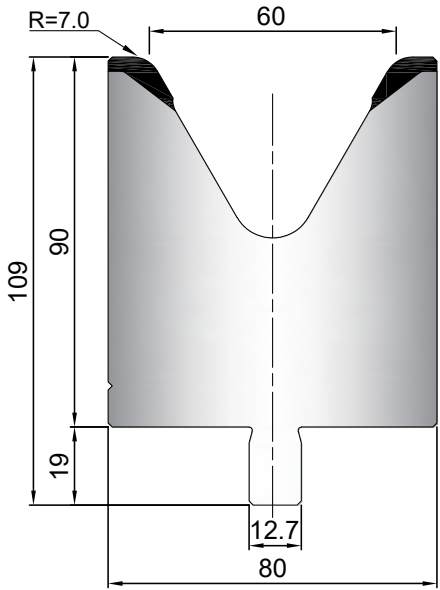
Cod.	α	T/mt
32.142	60°	120



Dies

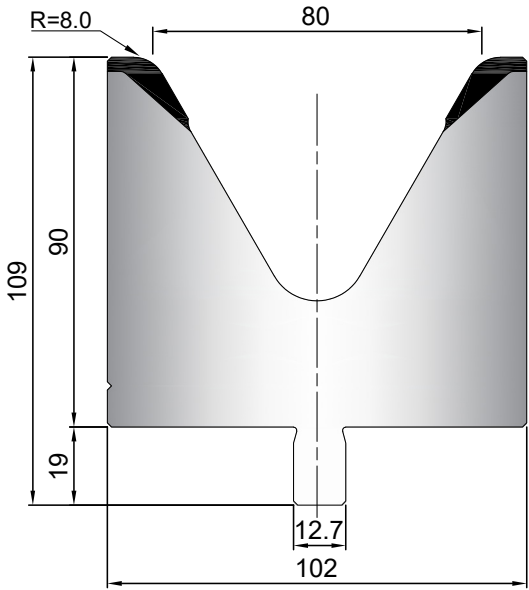
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.143	60°	135



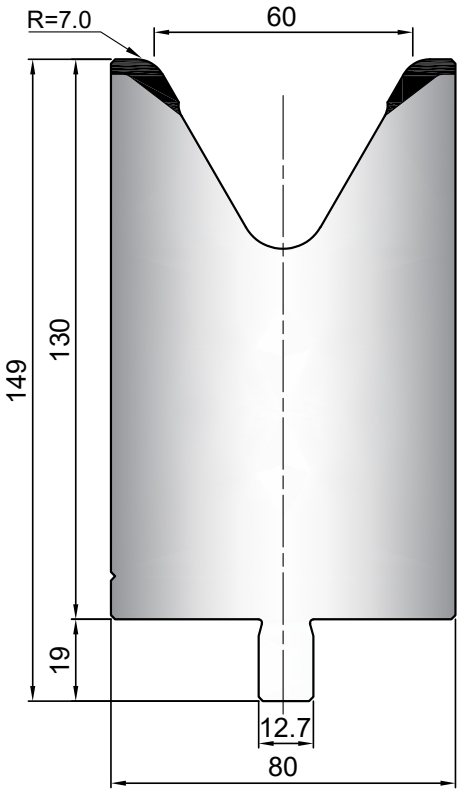
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.144	60°	175



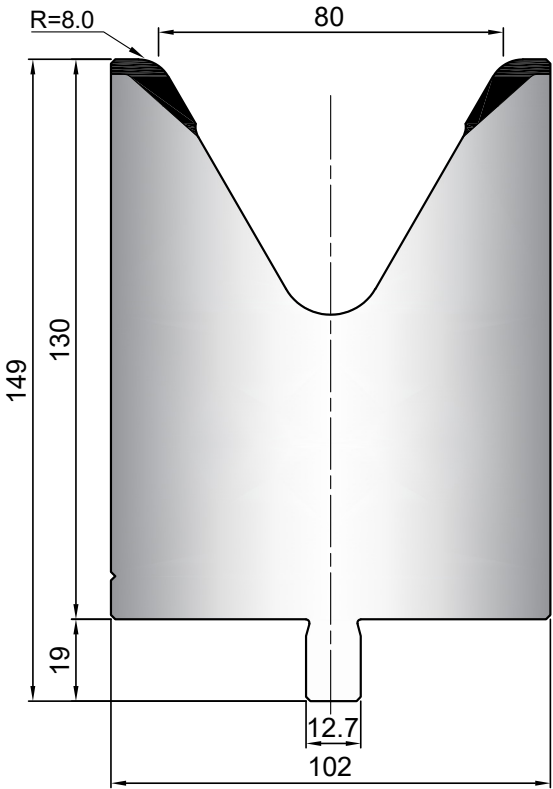
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.145	60°	135



Steel: 1.2312 Quenched

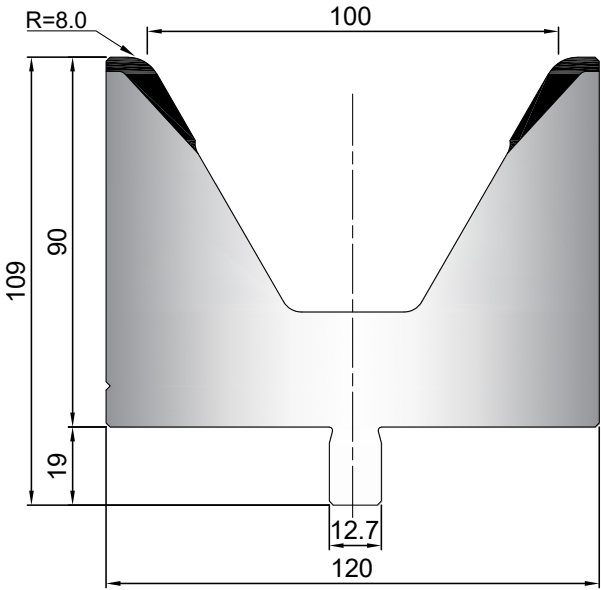
Cod.	α	T/mt
32.146	60°	175



Dies

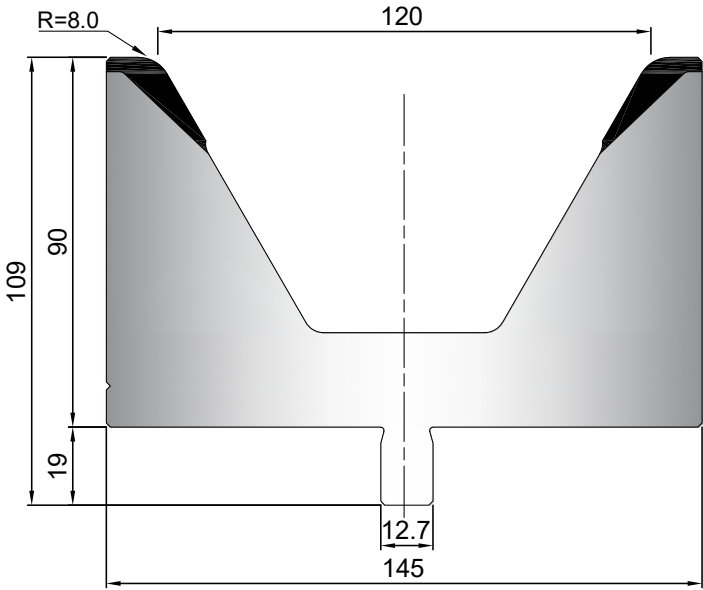
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.147	60°	150



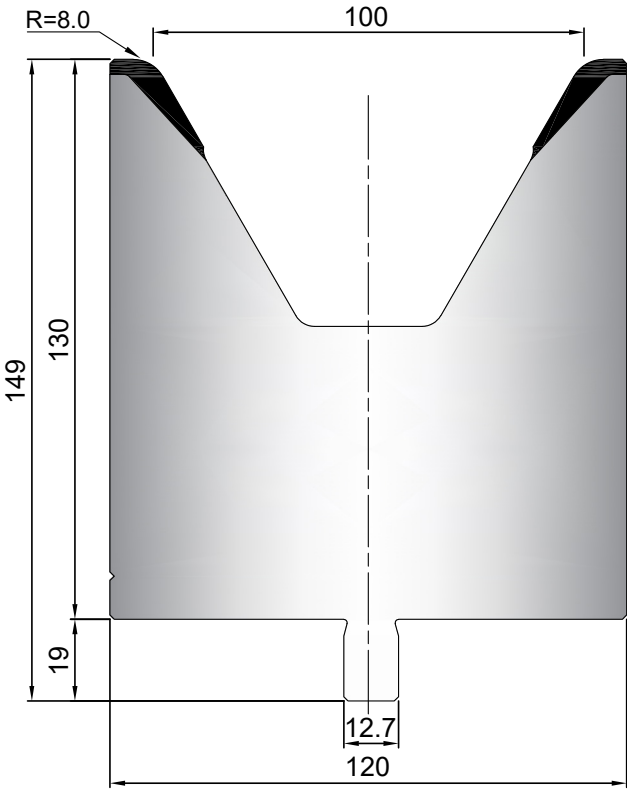
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.148	60°	130



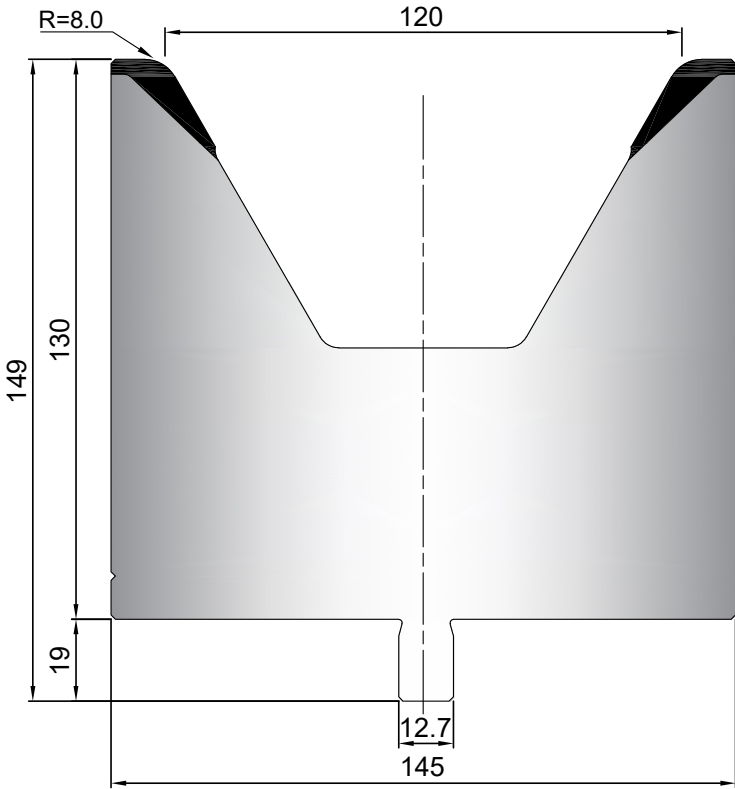
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.149	60°	150



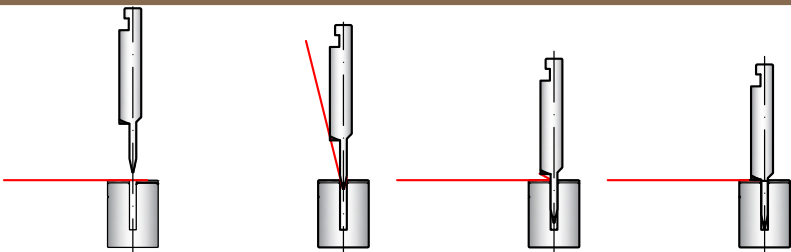
Steel: 1.2312 Quenched

Cod.	α	T/mt
32.150	60°	130



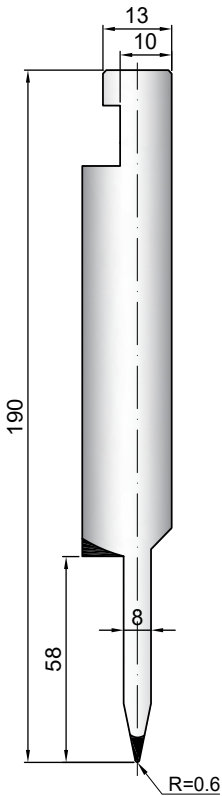
Flattening tools

LVD



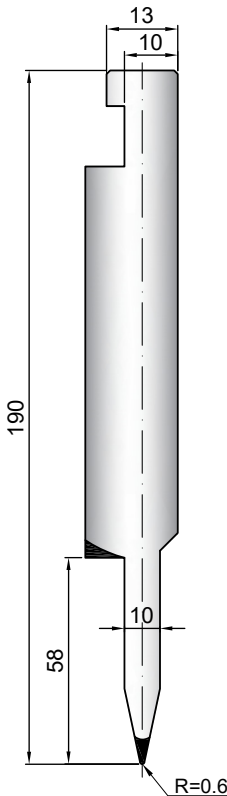
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.491	20°	80	29



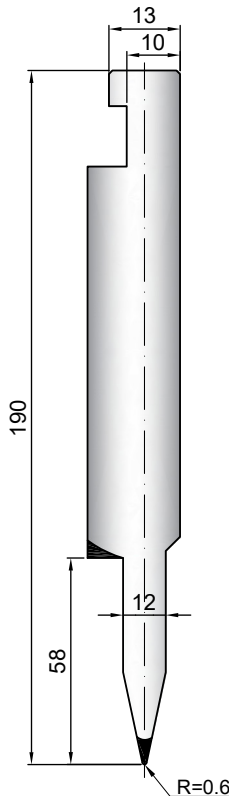
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.492	20°	80	30



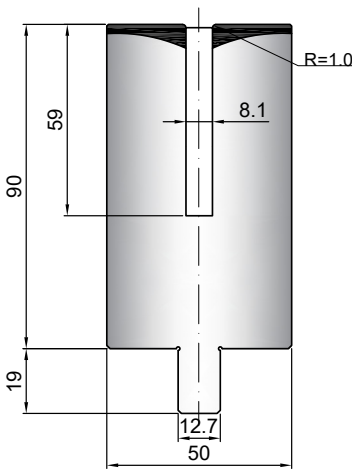
Steel: 1.2312 Quenched

Cod.	α	T/mt	Kg/mt
12.493	20°	80	30



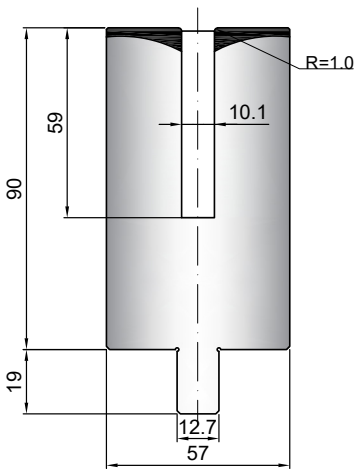
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
32.121	50	38



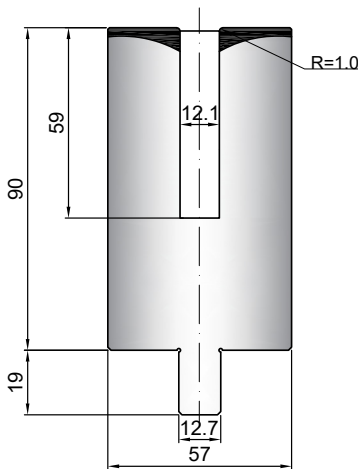
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
32.122	50	42



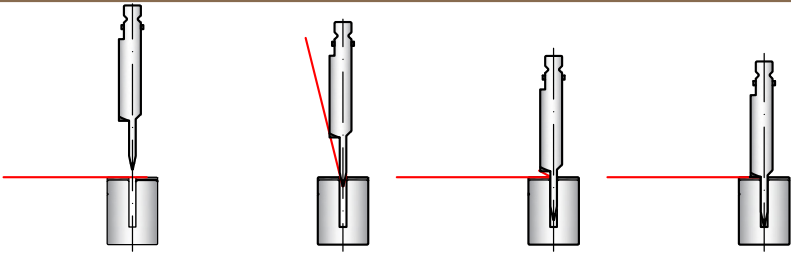
Steel: 1.2312 Quenched

Cod.	T/mt	Kg/mt
32.123	50	42



Flattening tools

Wila - LVD



Steel: 1.2312 Quenched

Cod.	α	H	T/mt	Kg/mt
18.013	20°	206	80	31

Steel: 1.2312 Quenched

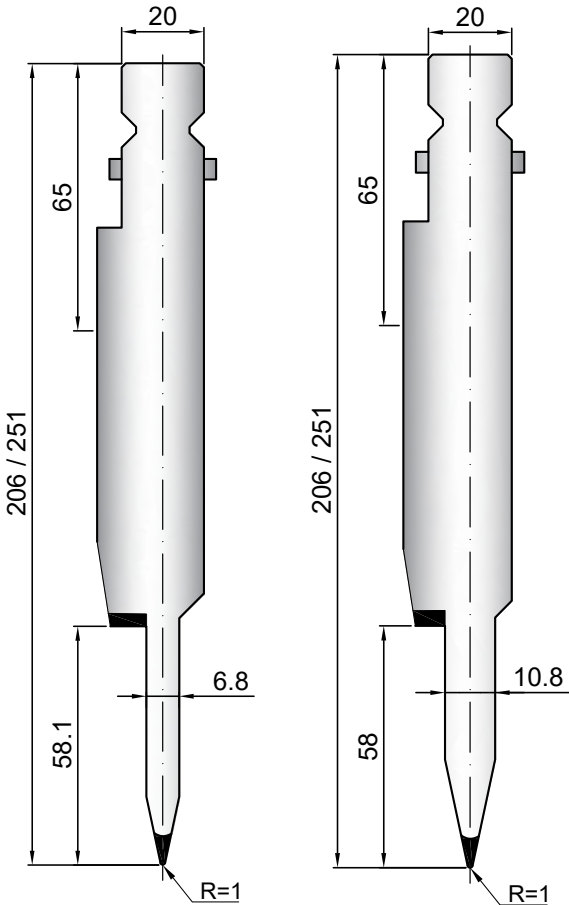
Cod.	α	H	T/mt	Kg/mt
18.015	20°	251	80	41

Steel: 1.2312 Quenched

Cod.	α	H	T/mt	Kg/mt
18.014	20°	206	80	32

Steel: 1.2312 Quenched

Cod.	α	H	T/mt	Kg/mt
18.016	20°	251	80	42

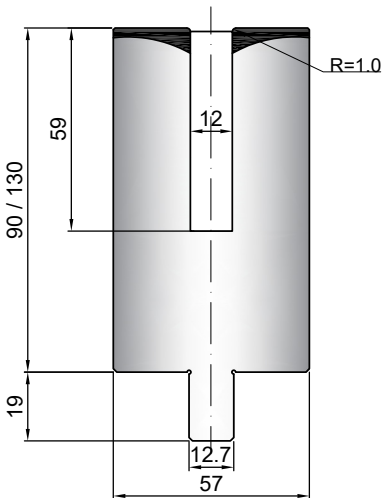
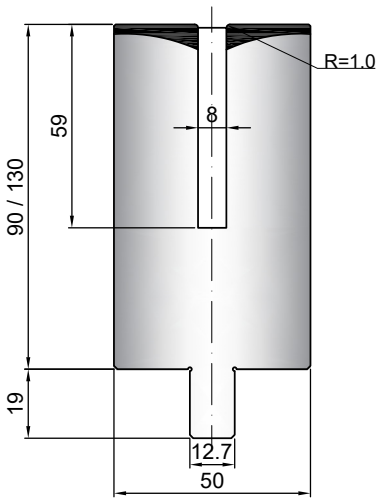


Steel: 1.2312 Quenched

Cod.	H	T/mt	Kg/mt
32.165	90	50	39

Steel: 1.2312 Quenched

Cod.	H	T/mt	Kg/mt
32.167	130	50	57



Steel: 1.2312 Quenched

Cod.	H	T/mt	Kg/mt
32.166	90	50	35

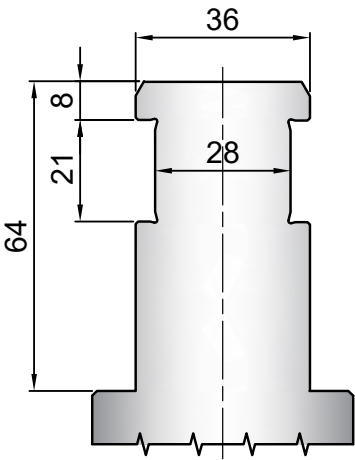
Steel: 1.2312 Quenched

Cod.	H	T/mt	Kg/mt
32.168	130	50	54

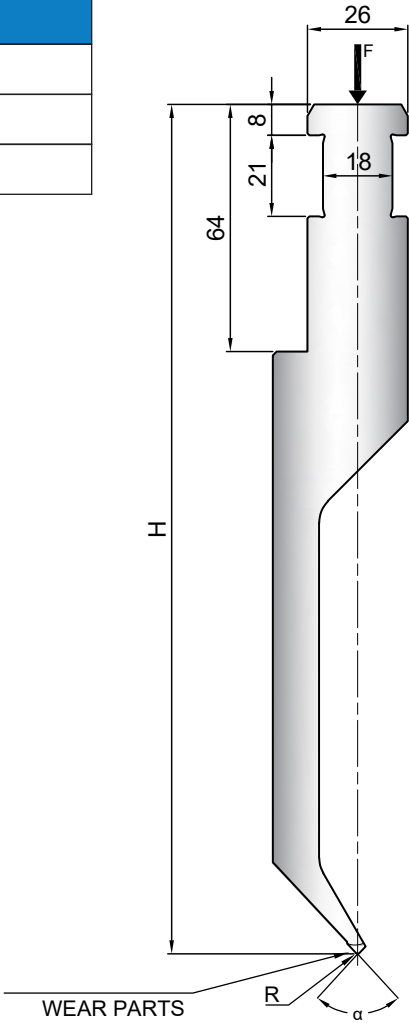
EHT



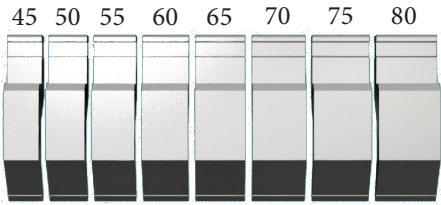
Punches are available in the following standard lengths: SET - A / SET - B / SET - C / SET - D / SET - E / SET - F



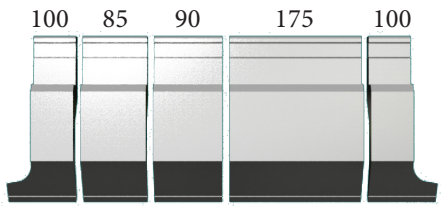
Description
H = Height
α = Degree
R = Radius



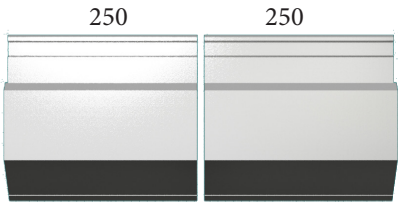
SET - A - 500



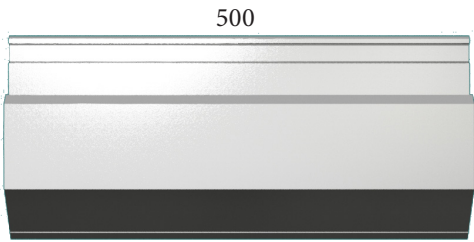
SET - B - 550



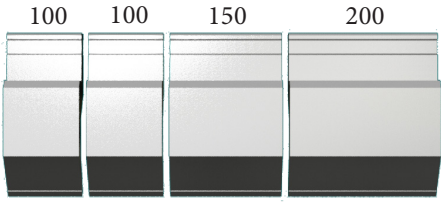
SET - C - 500



SET - D - 500



SET - E - 550

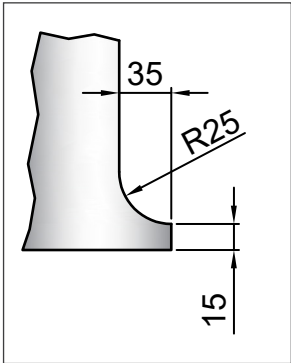


SET - F - 175



10 15 20 25 30 35 40

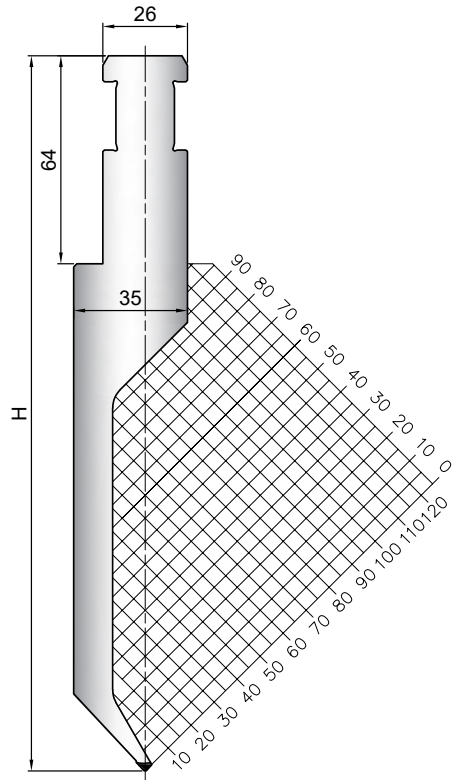
Horns



Punches

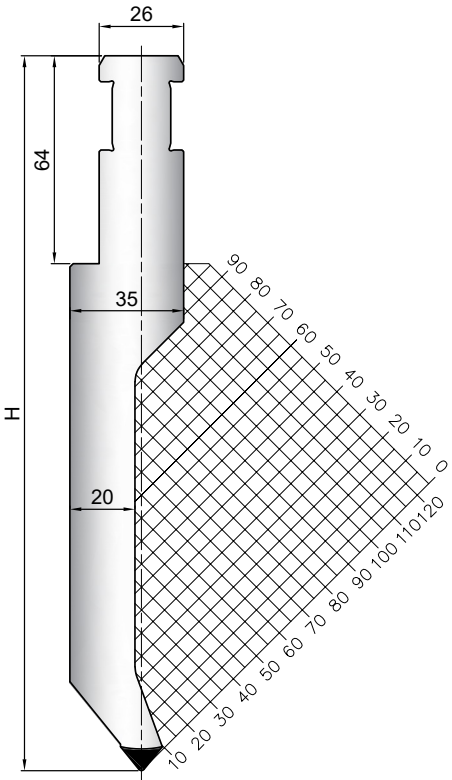
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
16.001	86°	0.60	220.00	20



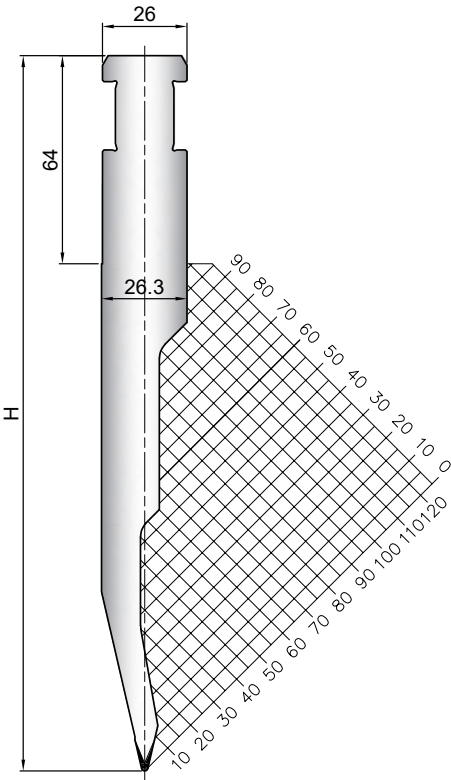
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
16.002	78°	1.00	220.00	100



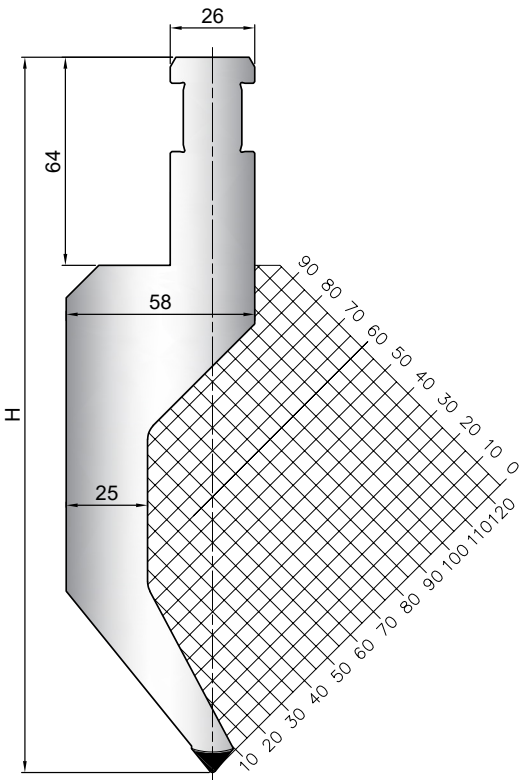
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
16.003	26°	1.00	220.00	45



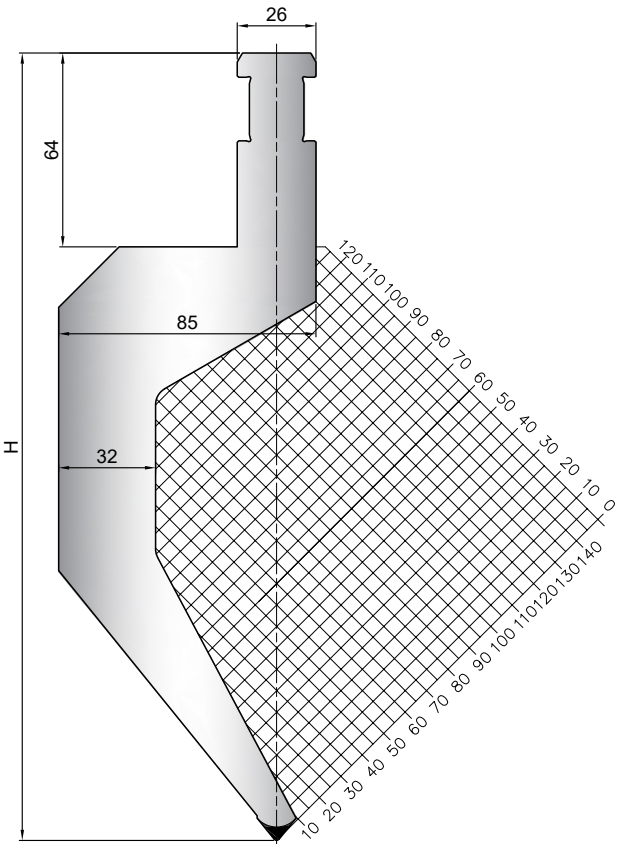
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
16.004	78°	1.00	220.00	50



Steel: 1.2312 Quenched

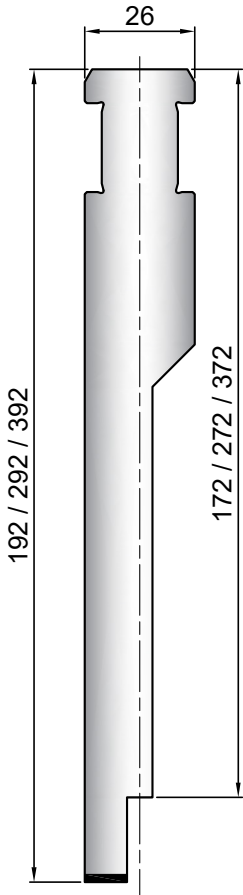
Cod.	α	R	H	T/mt
16.005	78°	1.00	260.00	50



Blade holders

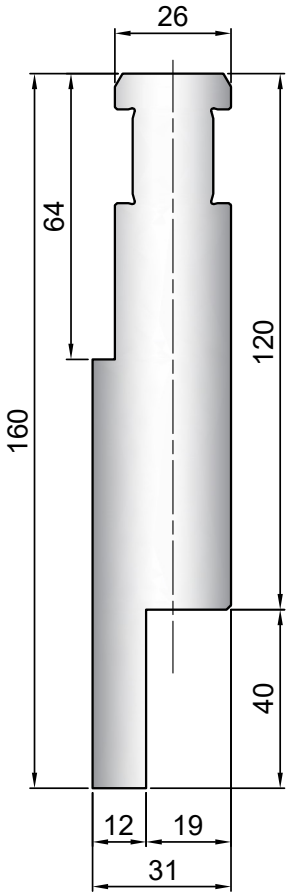
Steel: 1.2312 Quenched

Cod.	T/mt
16.006	60



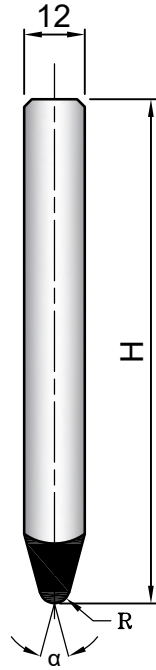
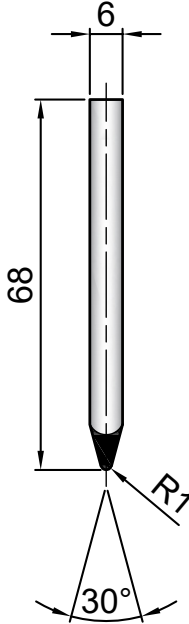
Steel: 1.2312 Quenched

Cod.	T/mt
16.008	100



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
16.007	30°	1.00	68.00	60



Steel: 1.2312 Quenched

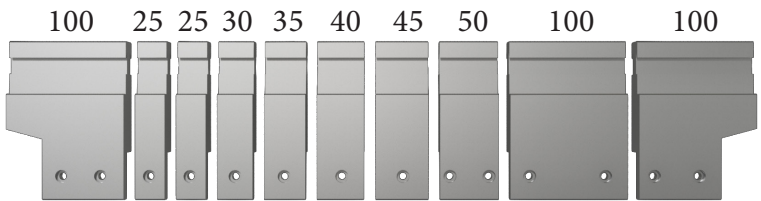
Cod.	α	R	H	T/mt
13.500	28°	0.50	100.00	100
13.501	28°	1.00	100.00	100
13.502	28°	2.00	100.00	100
13.503	28°	3.00	100.00	100
13.504	28°	4.00	100.00	100
13.505	28°	5.00	100.00	100
13.506	28°	6.00	100.00	100

Holder

500



550 mm

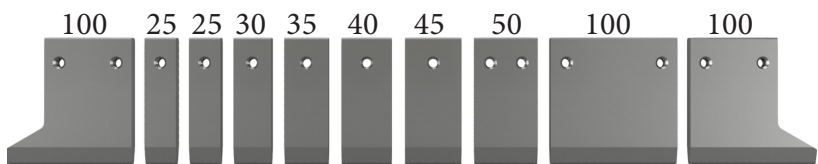


Blade

500



550 mm



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.520	84°	1.00	100.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.530	86°	1.00	100.00	100

Dies

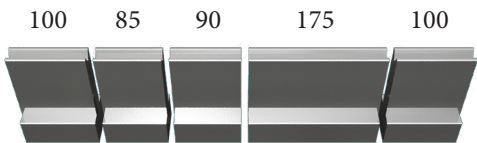


Dies are available in the following standard lengths: SET - A / SET - B / SET - C / SET - D / SET - E / SET - F

SET - A - 500



SET - B - 550



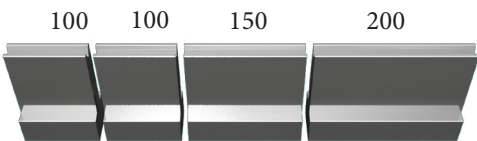
SET - C - 500



SET - D - 500



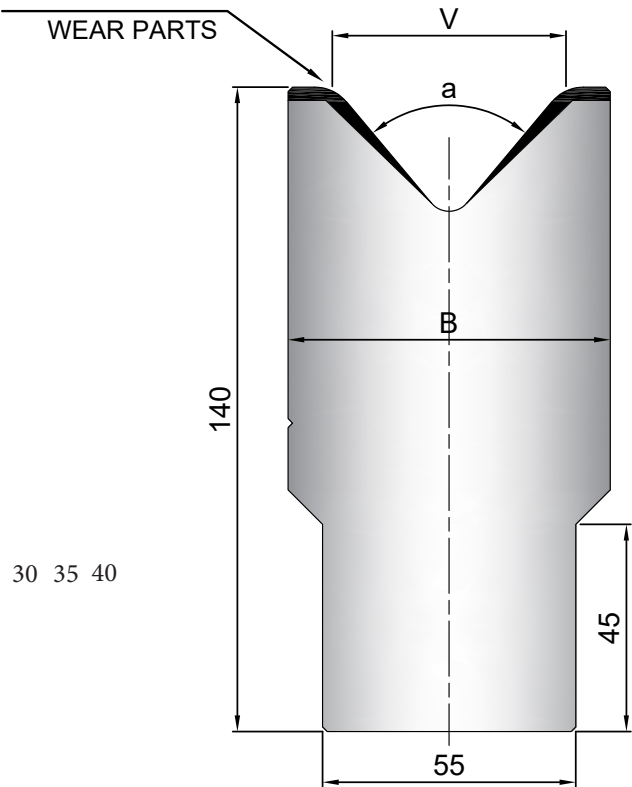
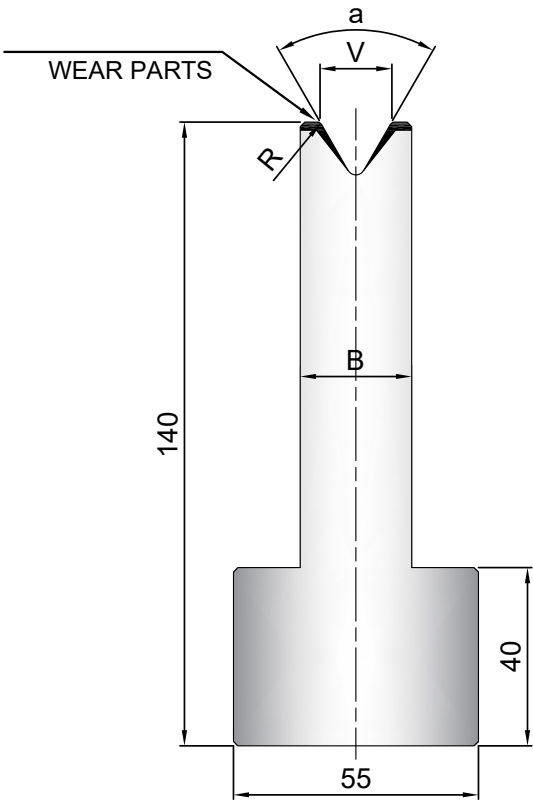
SET - E - 550



SET - F - 175



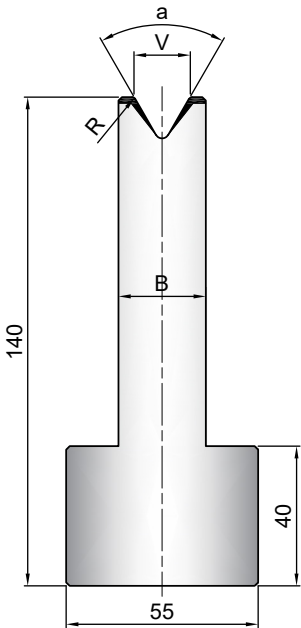
10 15 20 25 30 35 40



Dies

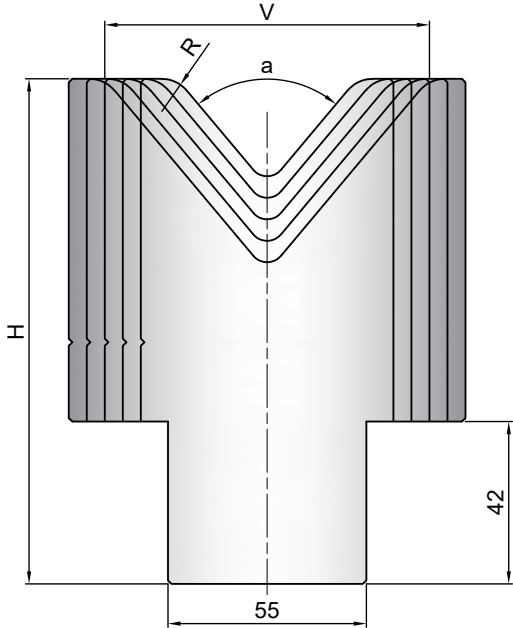
Steel: 1.2312 Quenched

Cod.	H
44.001	140.00



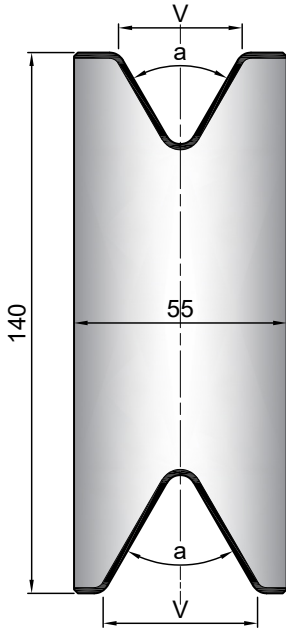
Steel: 1.2312 Quenched

Cod.
44.003



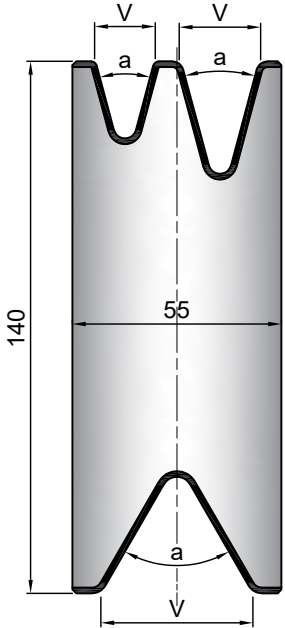
Steel: 1.2312 Quenched

Cod.	H
44.004	140.00



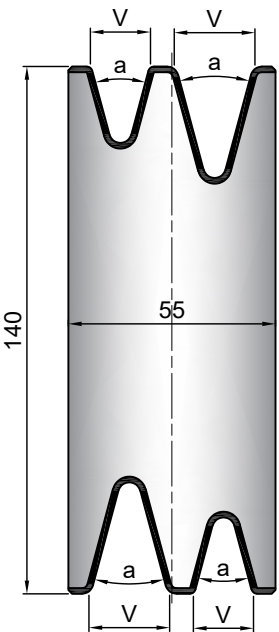
Steel: 1.2312 Quenched

Cod.	H
44.005	140.00



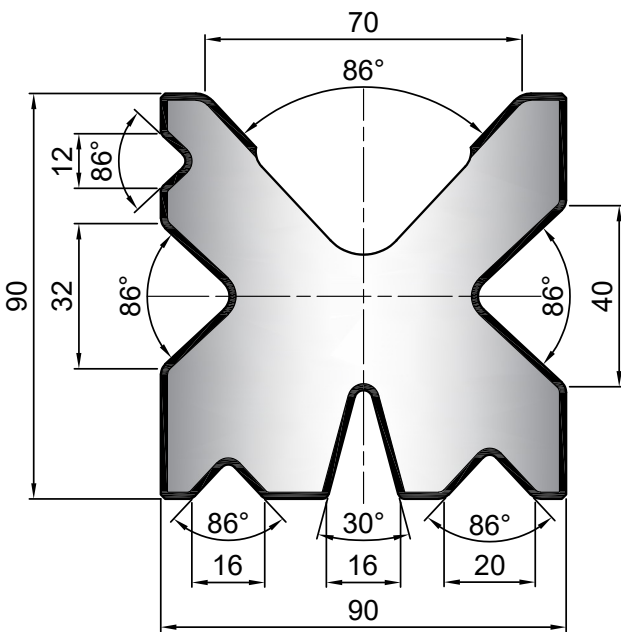
Steel: 1.2312 Quenched

Cod.	H
44.006	140.00



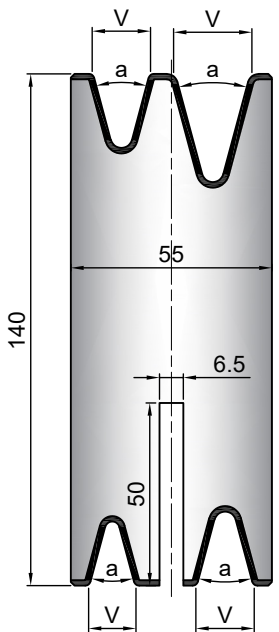
Steel: 1.2312 Quenched

Cod.	H
44.007	90.00



Steel: 1.2312 Quenched

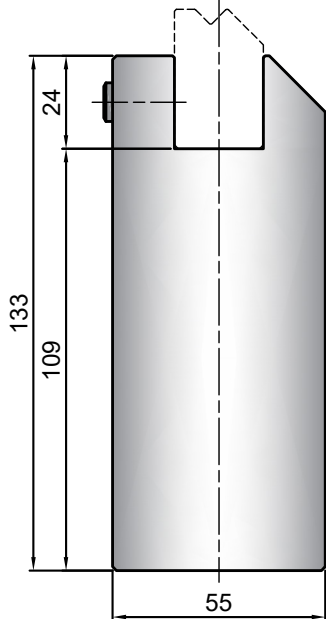
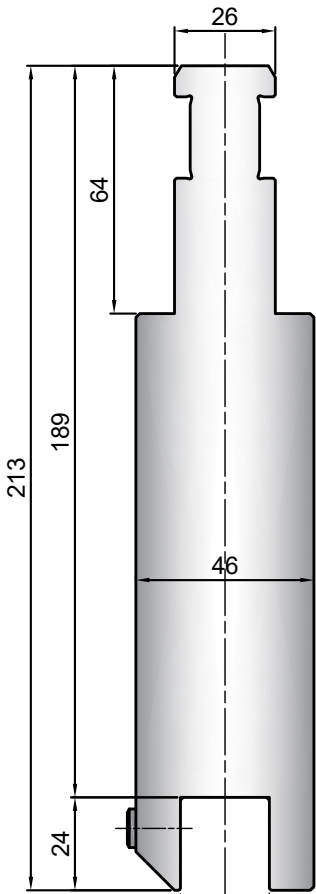
Cod.	H
44.008	140.00



Accessories

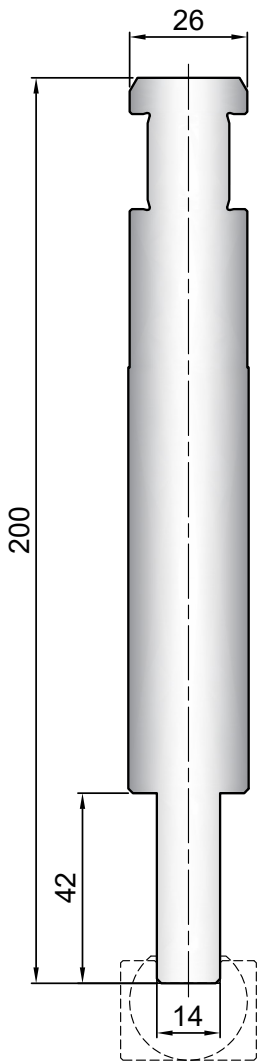
Steel: C45

Cod.	T/mt
16.009	100



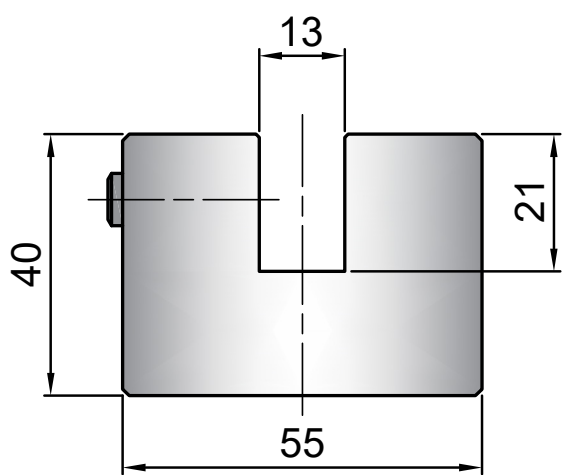
Steel: C45

Cod.	H	T/mt
16.010	200.00	80



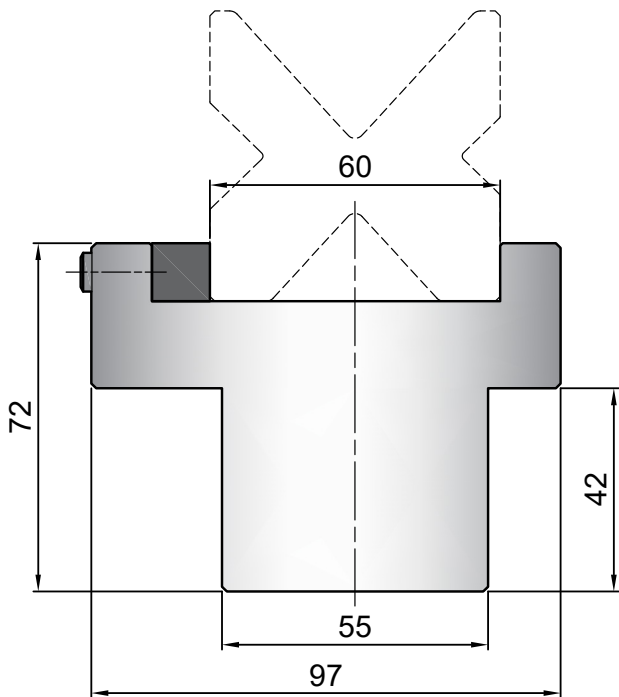
Steel: C45

Cod.	H	T/mt
44.009	40.00	100



Steel: C45

Cod.	H	T/mt
44.010	72.00	100



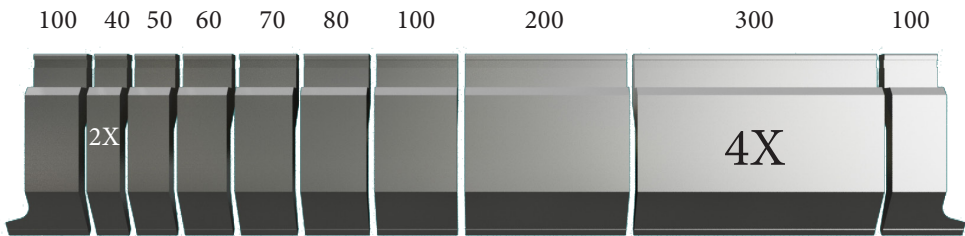
Weinbrenner



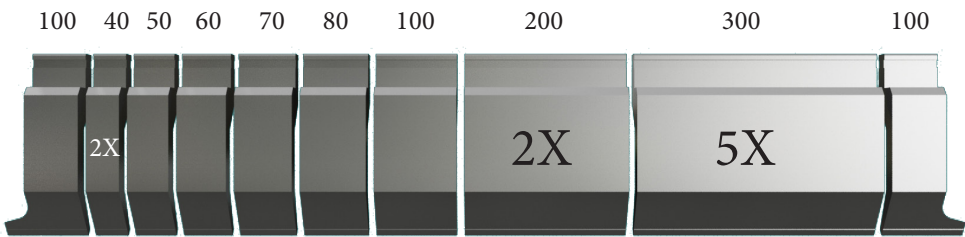
Punches are available in the following standard lengths: 2050 mm - 2550 mm - 3050 mm - 3550 mm - 4050 mm

Description
H = Height
α = Degree
R = Radius

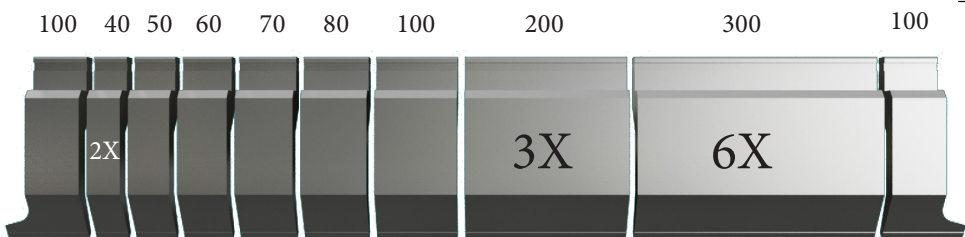
2050 mm Sect.



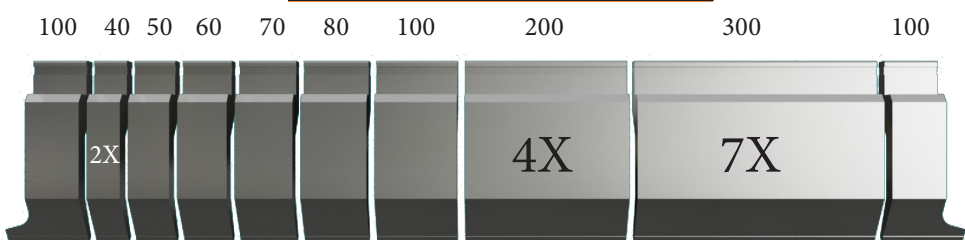
2550 mm Sect.



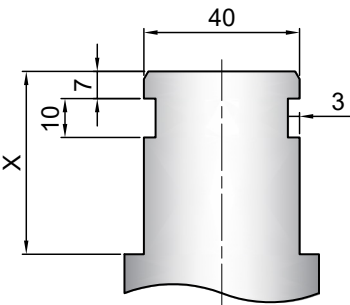
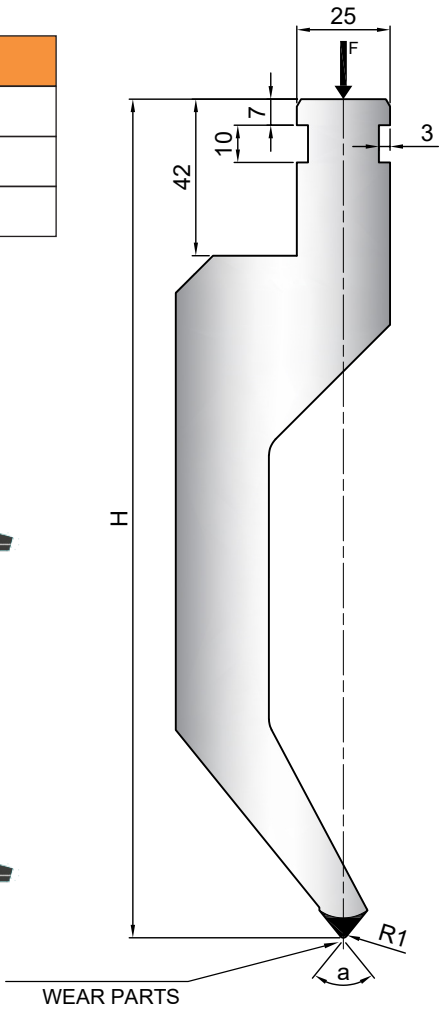
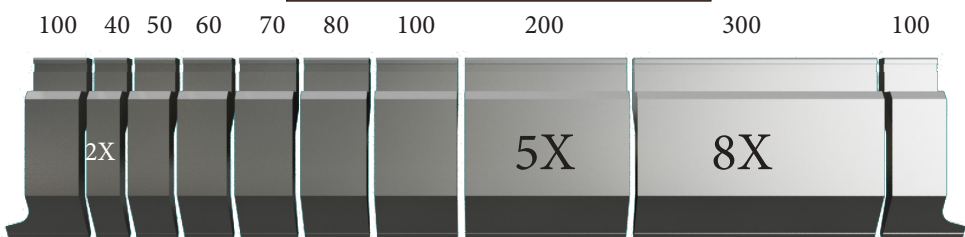
3050 mm Sect.



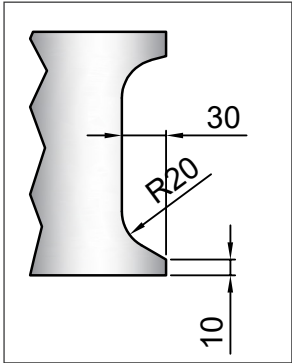
3550 mm Sect.



4050 mm Sect.



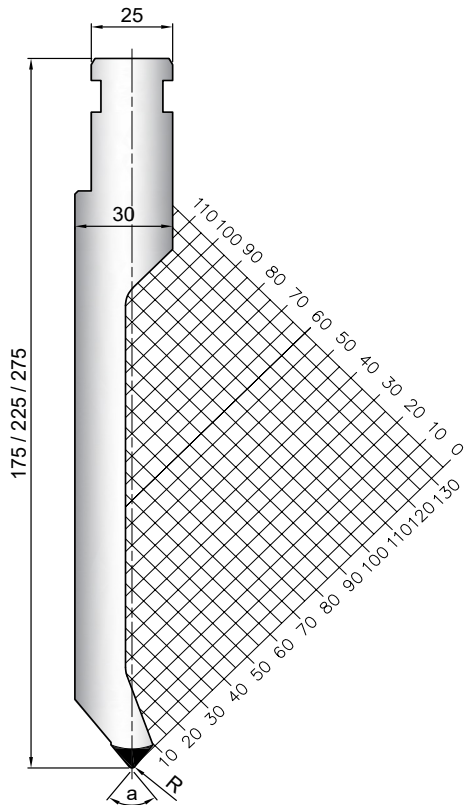
Horns



Punches

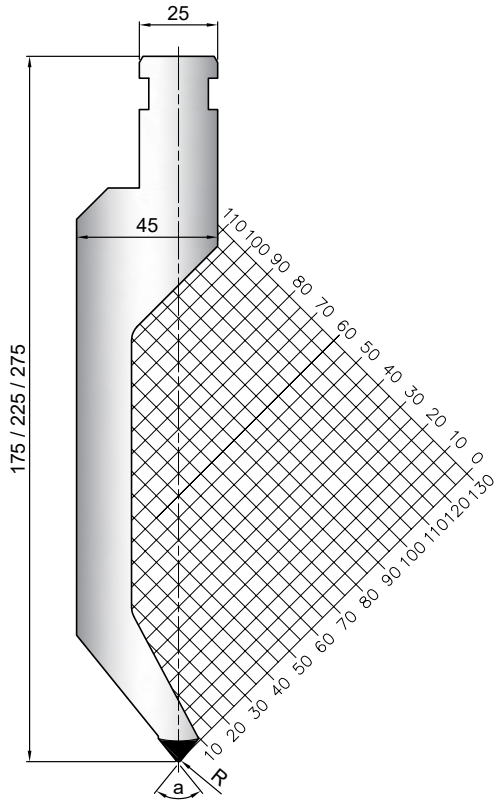
Steel: 1.2312 Quenched

Cod.
17.001



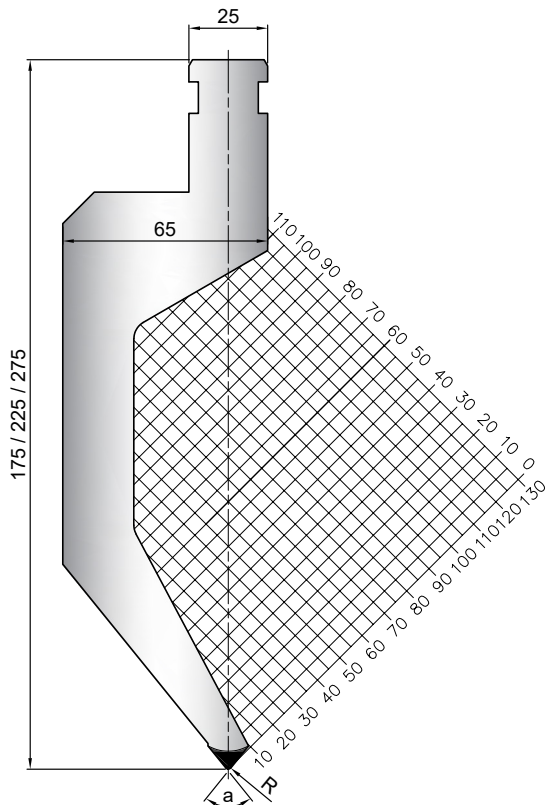
Steel: 1.2312 Quenched

Cod.
17.002



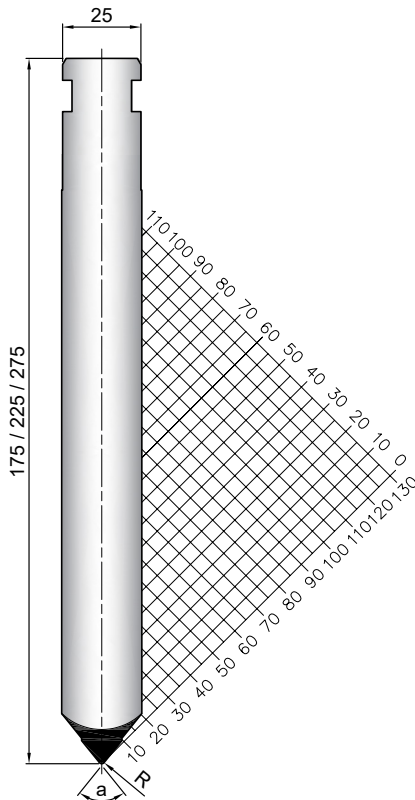
Steel: 1.2312 Quenched

Cod.
17.003



Steel: 1.2312 Quenched

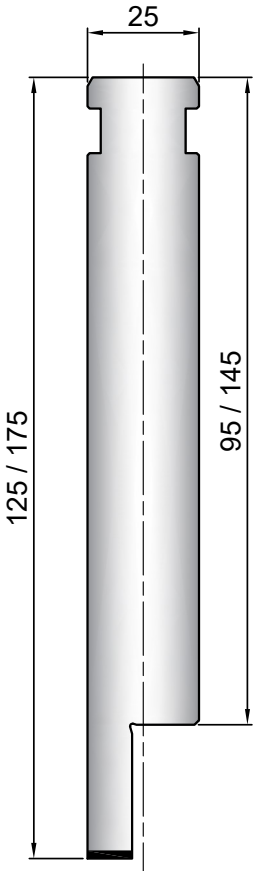
Cod.
17.004



Punches

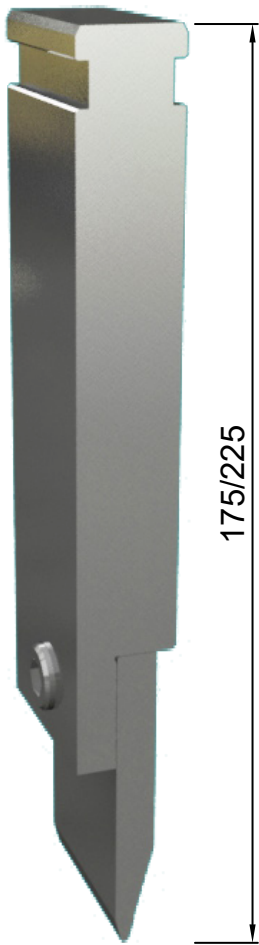
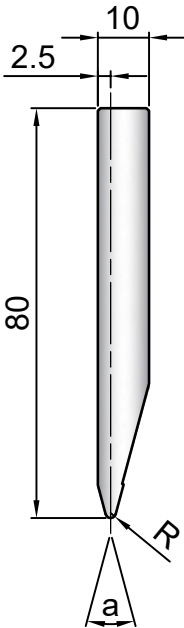
Steel: 1.2312 Quenched

Cod.
17.005



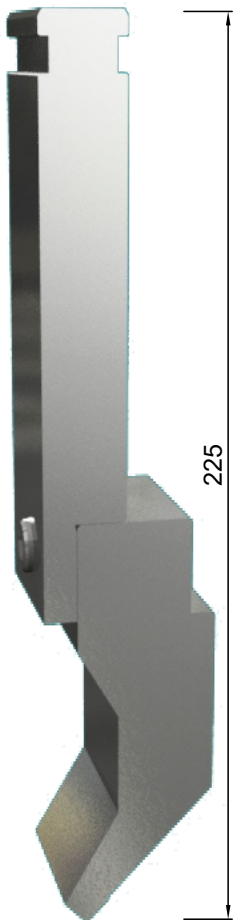
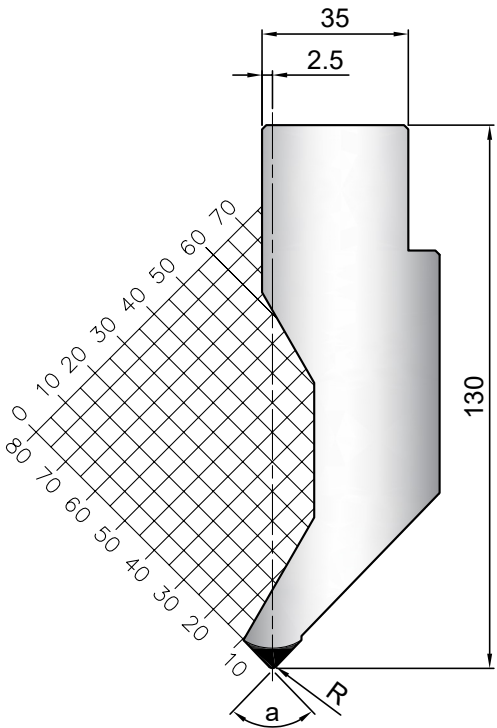
Steel: 1.2312 Quenched

Cod.
17.006

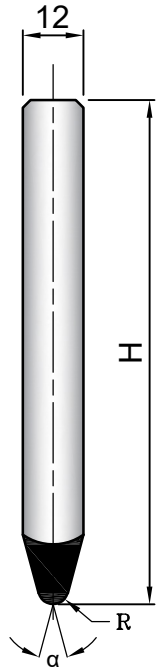
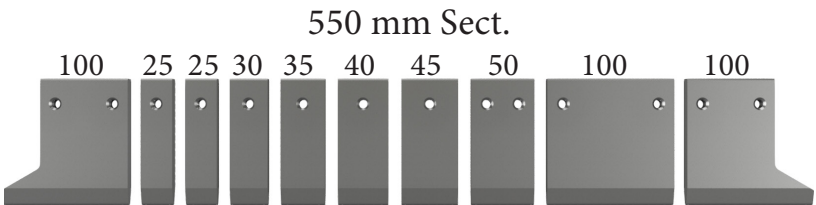
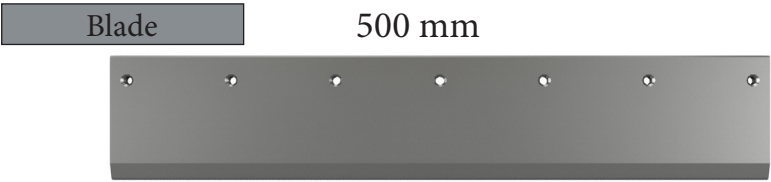
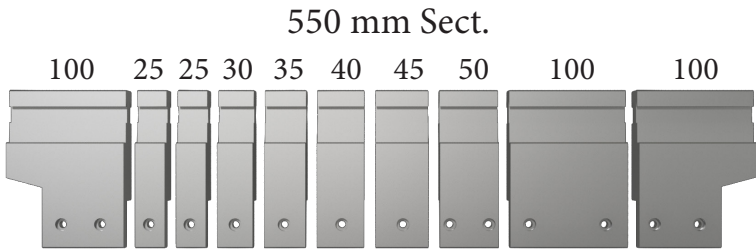
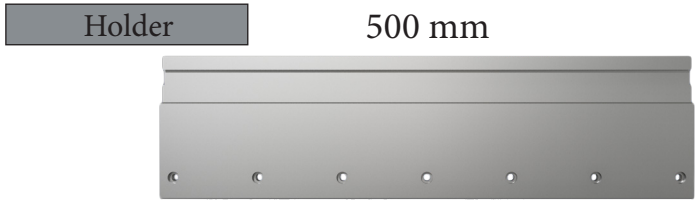
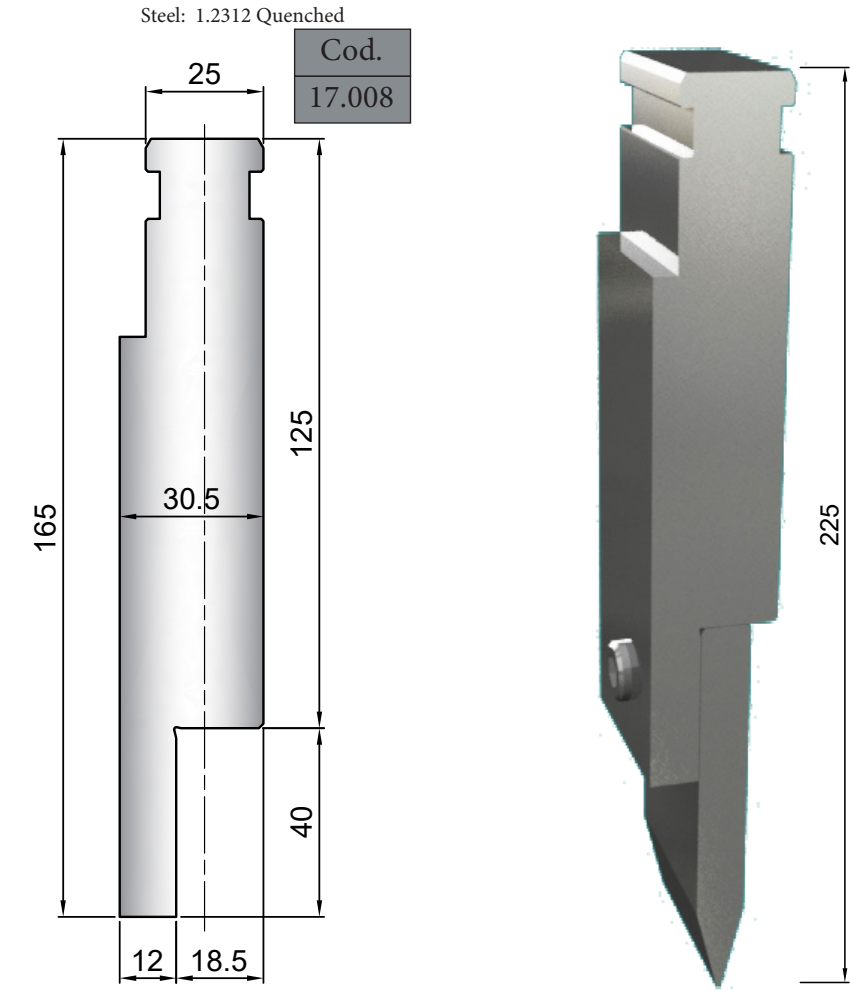


Steel: 1.2312 Quenched

Cod.
17.007



Blade holders



Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.500	28°	0.50	100.00	100
13.501	28°	1.00	100.00	100
13.502	28°	2.00	100.00	100
13.503	28°	3.00	100.00	100
13.504	28°	4.00	100.00	100
13.505	28°	5.00	100.00	100
13.506	28°	6.00	100.00	100

Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.520	84°	1.00	100.00	100

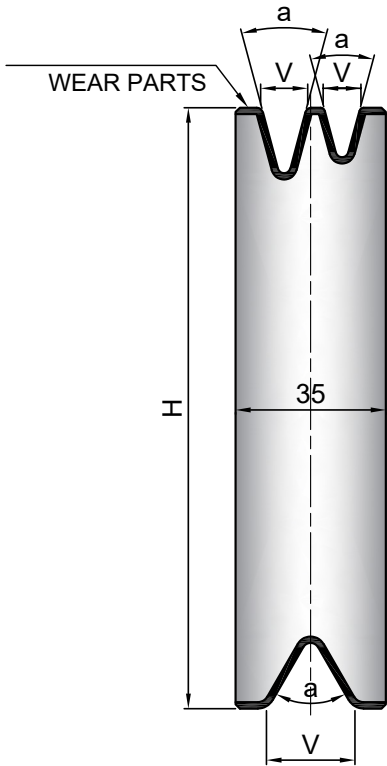
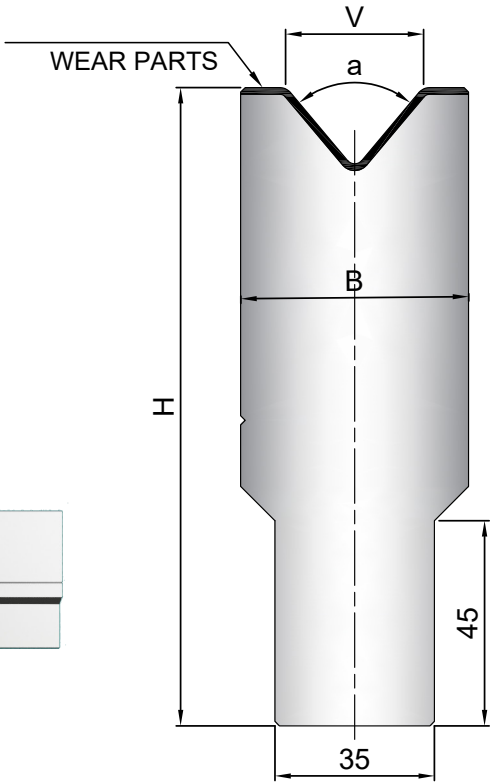
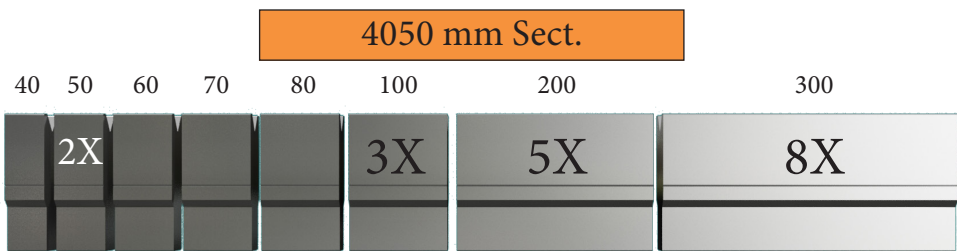
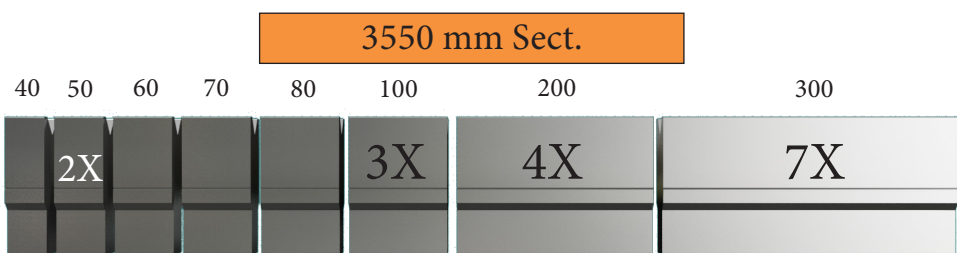
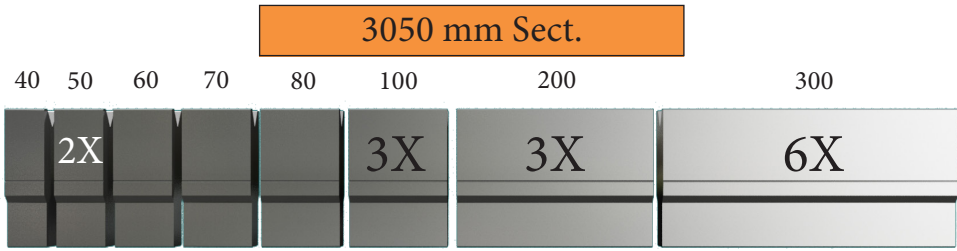
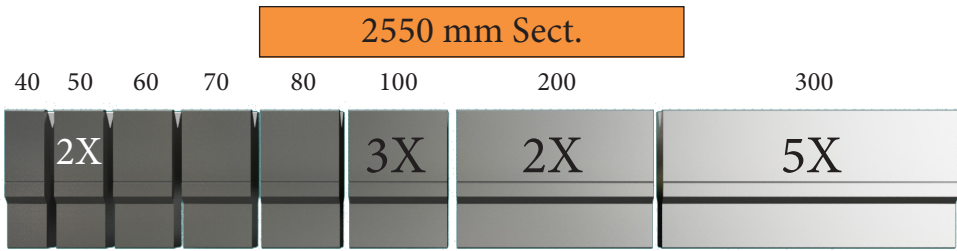
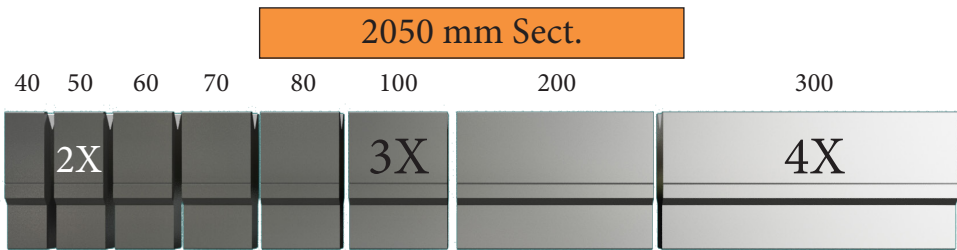
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
13.530	86°	1.00	100.00	100

Dies



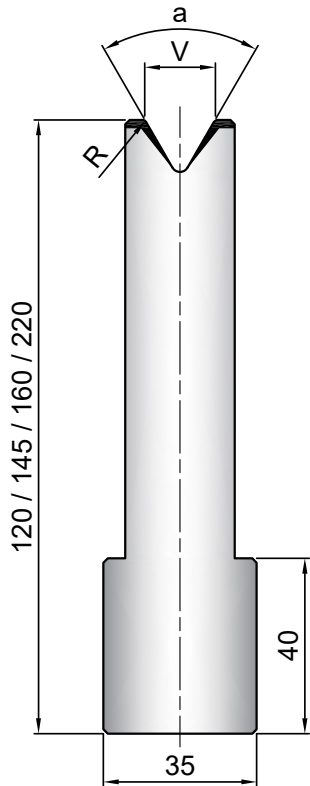
Dies are available in the following standard lengths: 2050 mm - 2550 mm - 3050 mm - 3550 mm - 4050 mm



Dies

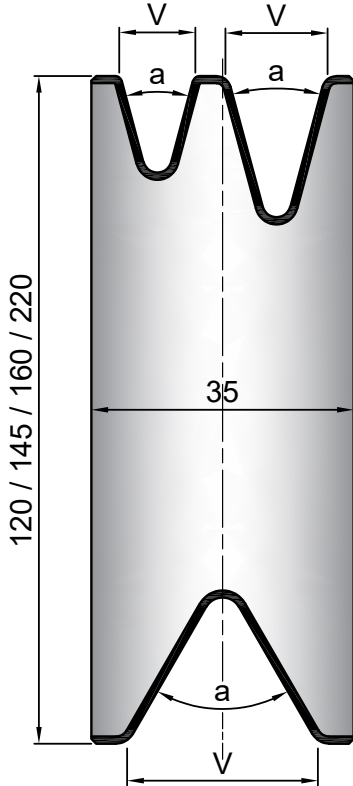
Steel: 1.2312 Quenched

Cod.
45.001



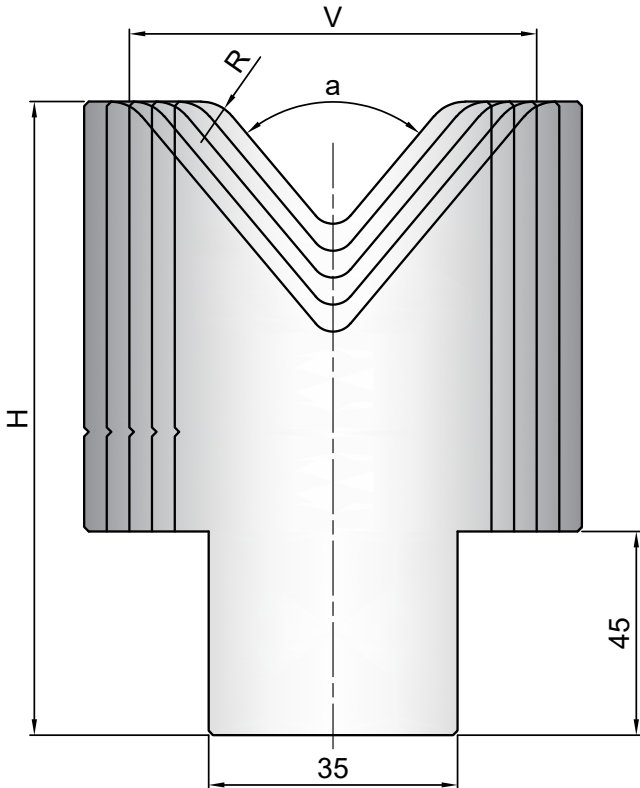
Steel: 1.2312 Quenched

Cod.
45.002



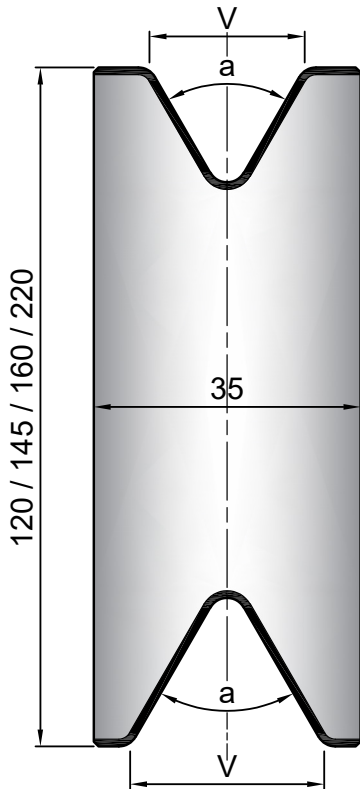
Steel: 1.2312 Quenched

Cod.
45.003



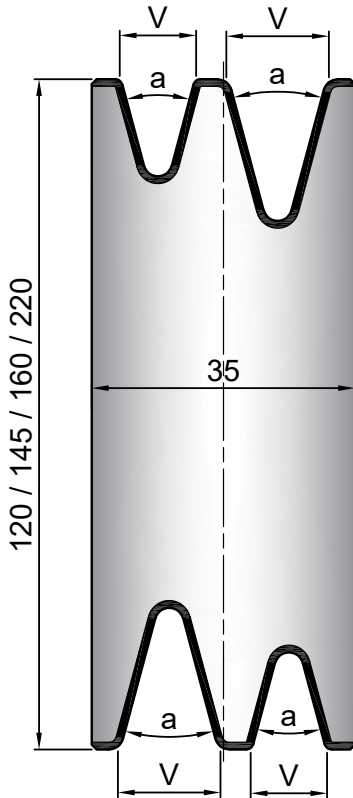
Steel: 1.2312 Quenched

Cod.
45.004



Steel: 1.2312 Quenched

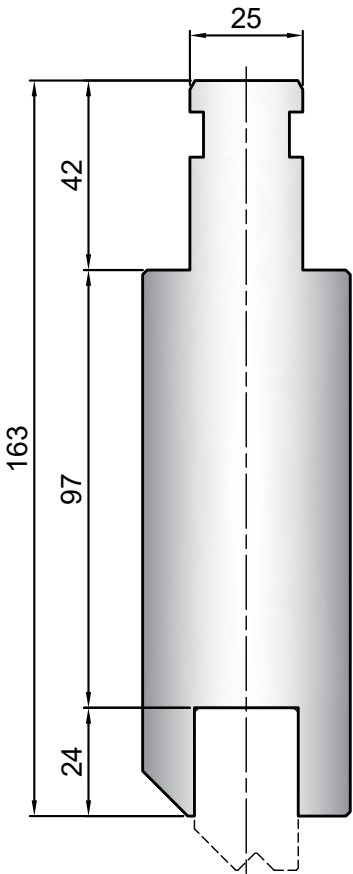
Cod.
45.005



Accessories

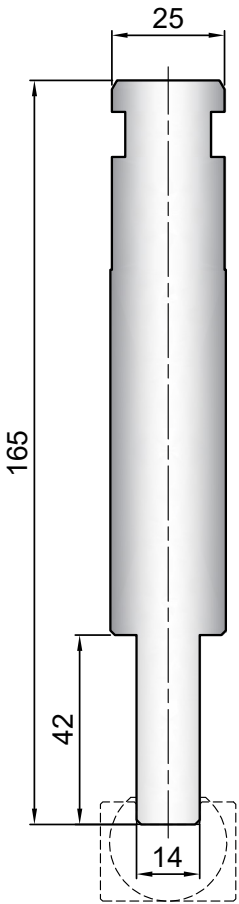
Steel: C45

Cod.
17.009



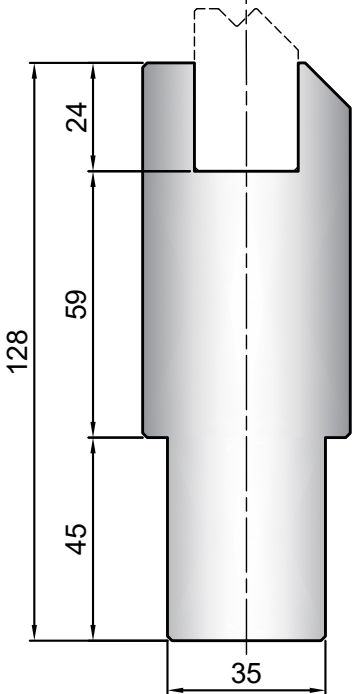
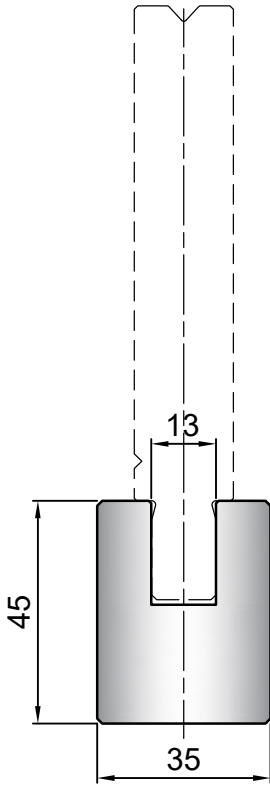
Steel: C45

Cod.
17.010



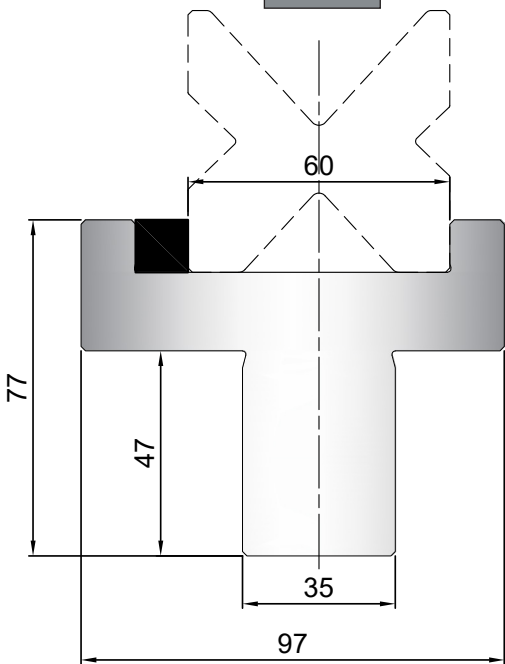
Steel: C45

Cod.
45.006



Steel: C45

Cod.
45.007

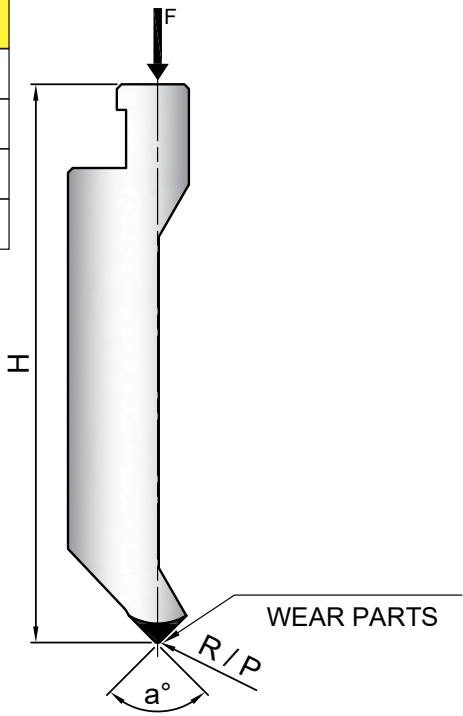
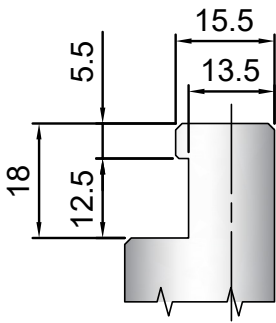
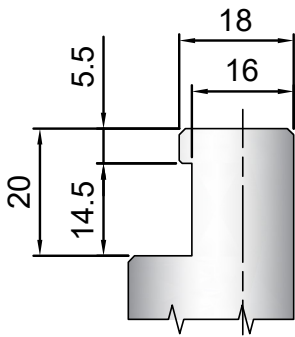


Colly

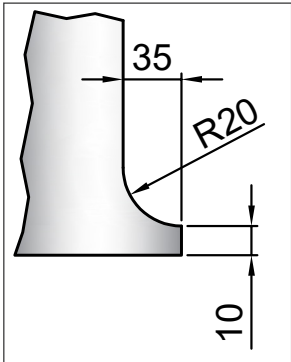


Punches are available in the following standard lengths: 505 mm - 1020 mm - 1020 mm Sect. - 1250 mm Sect.

Description
H = Height
α = Degree
R = Radius
P = Plain



Horns



505 mm



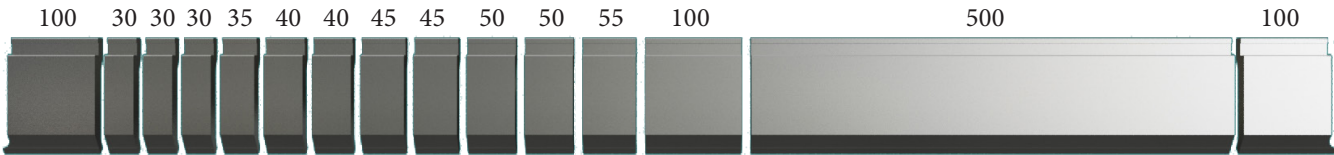
1020 mm



1020 mm FR / Sect.



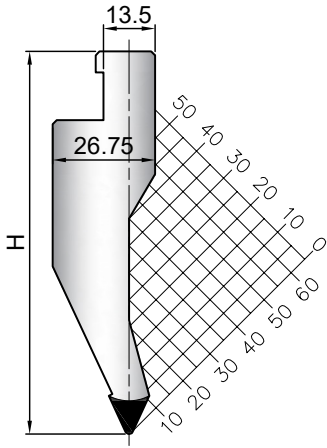
1250 mm FR / Sect.



Punches

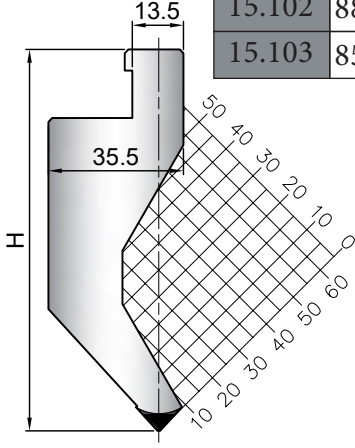
Steel: C45

Cod.	α	R	H	T/mt
15.100	50°	1.00	100.00	100



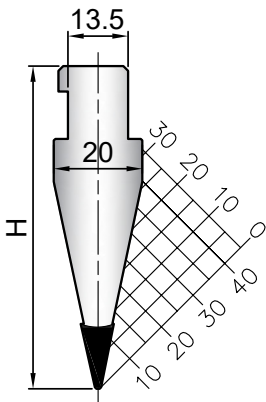
Steel: C45

Cod.	α	P	H	T/mt
15.101	90°	0.80	100.00	100
15.102	88°	0.80	100.00	100
15.103	85°	0.70	100.00	100



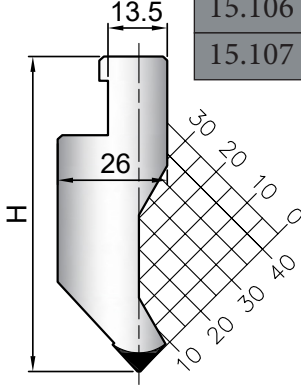
Steel: C45

Cod.	α	R	H	T/mt
15.104	24°	0.60	72.00	80



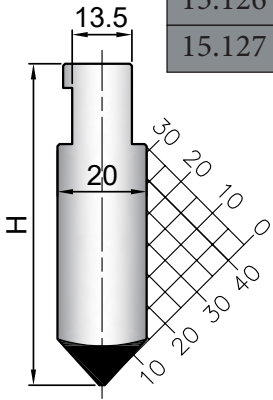
Steel: C45

Cod.	α	P	H	T/mt
15.105	90°	0.80	72.00	80
15.106	88°	0.80	72.00	80
15.107	85°	0.70	72.00	80



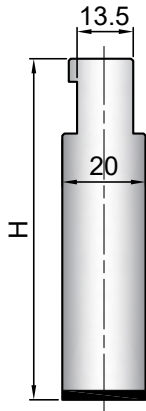
Steel: C45

Cod.	α	P	H	T/mt
15.108	80°	0.80	72.00	80
15.126	88°	0.80	72.00	80
15.127	85°	0.70	72.00	80



Steel: C45

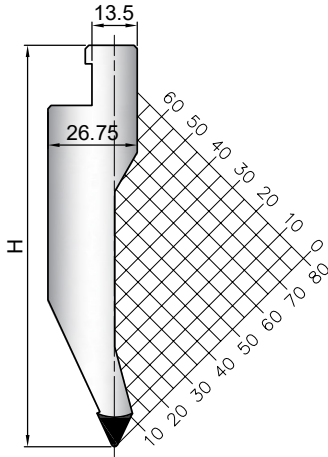
Cod.	α	R	H	T/mt
15.109	180°	20.00	82.00	100



Punches

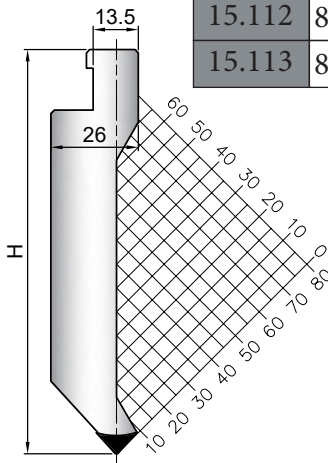
Steel: C45

Cod.	α	R	H	T/mt
15.110	50°	1.00	120.00	100



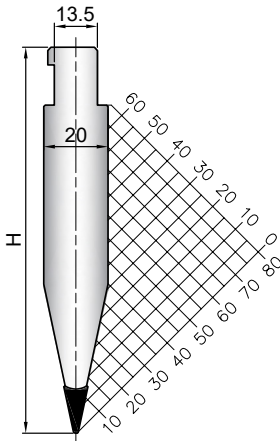
Steel: C45

Cod.	α	P	H	T/mt
15.111	90°	0.80	120.00	80
15.112	88°	0.80	120.00	80
15.113	85°	0.70	120.00	80



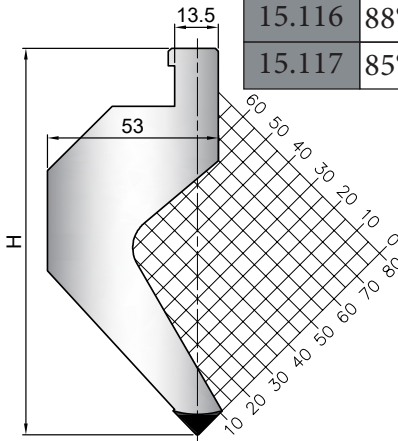
Steel: C45

Cod.	α	R	H	T/mt
15.114	24°	0.60	120.00	100



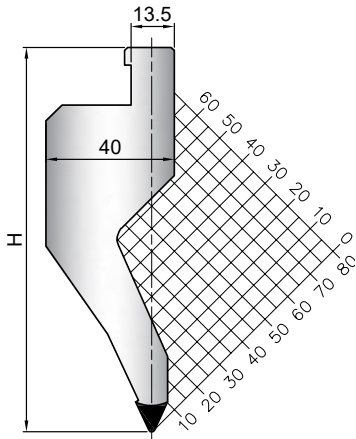
Steel: C45

Cod.	α	P	H	T/mt
15.115	90°	0.80	120.00	80
15.116	88°	0.80	120.00	80
15.117	85°	0.70	120.00	80



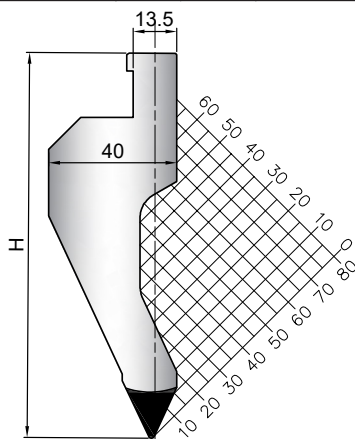
Steel: C45

Cod.	α	R	H	T/mt
15.118	50°	1.00	120.00	80



Steel: C45

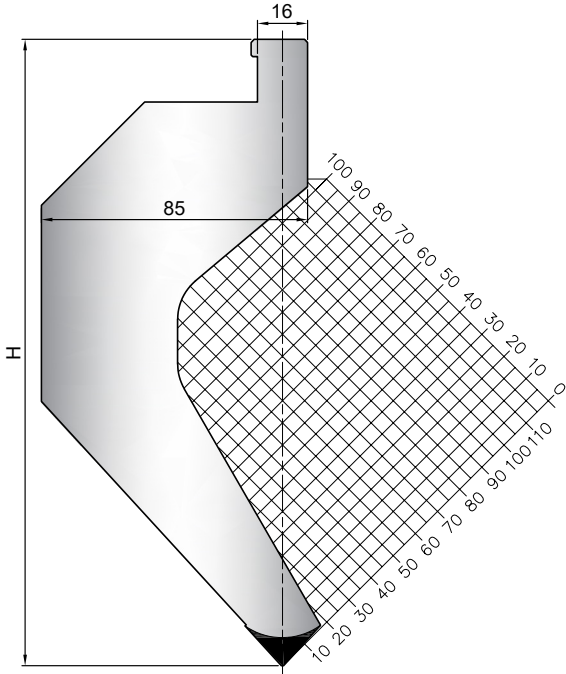
Cod.	α	R	H	T/mt
15.119	50°	1.00	120.00	100



Punches

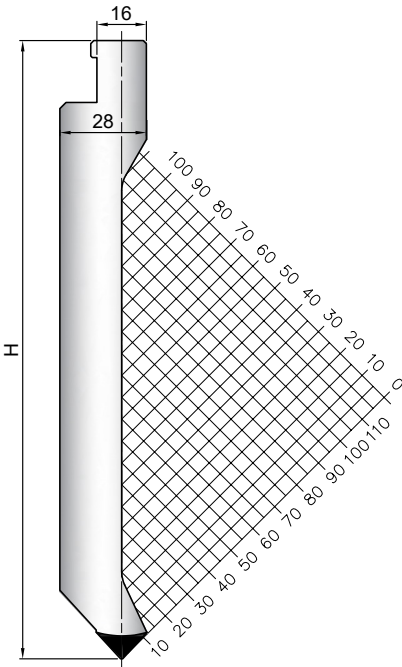
Steel: 1.2312 Quenched

Cod.	α	P	H	T/mt
15.120	85°	0.70	200.00	100



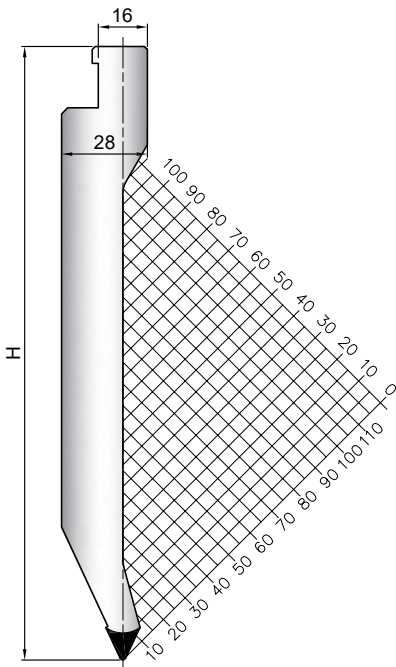
Steel: 1.2312 Quenched

Cod.	α	P	H	T/mt
15.121	85°	0.70	200.00	100



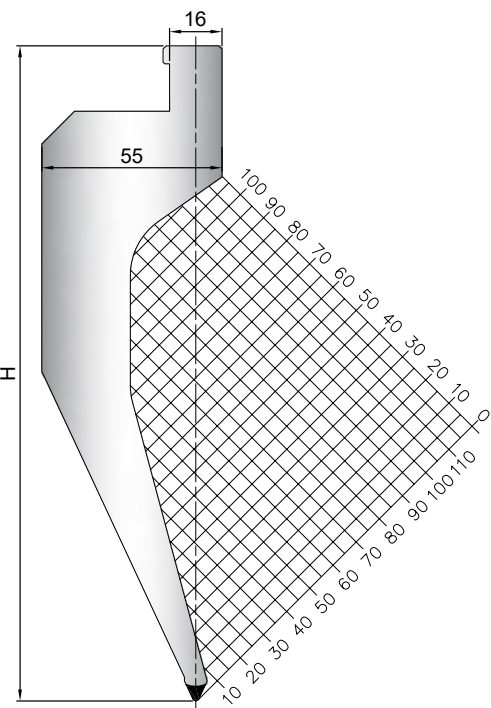
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
15.122	50°	1.00	200.00	100



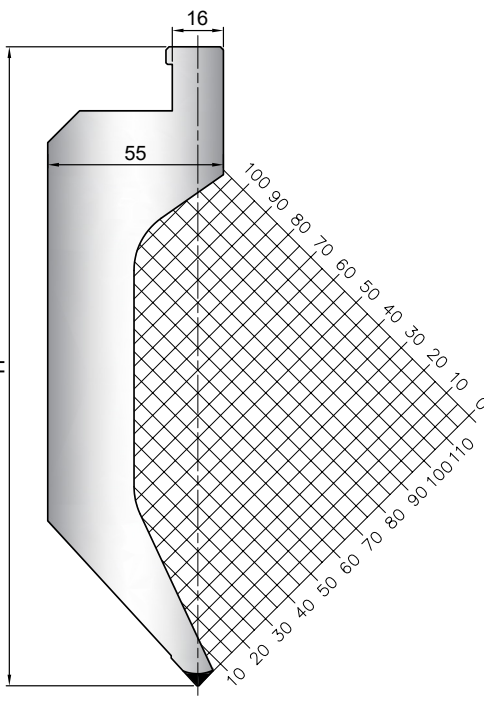
Steel: 1.2312 Quenched

Cod.	α	R	H	T/mt
15.123	50°	1.00	200.00	100



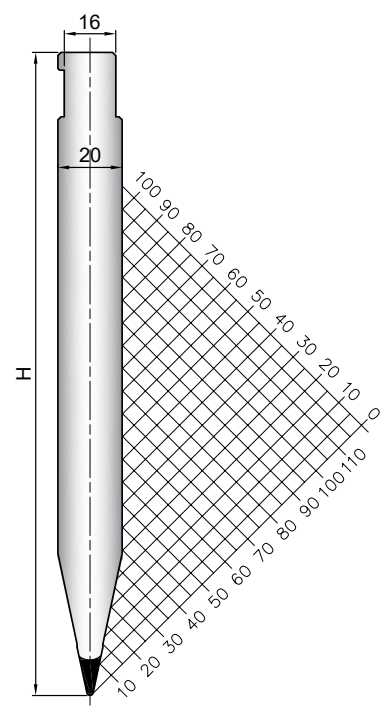
Steel: 1.2312 Quenched

Cod.	α	P	H	T/mt
15.124	85°	0.70	200.00	100



Steel: 1.2312 Quenched

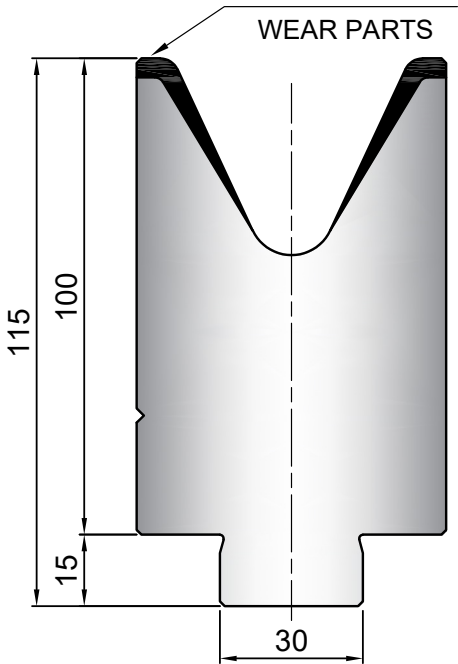
Cod.	α	R	H	T/mt
15.125	24°	1.00	200.00	100



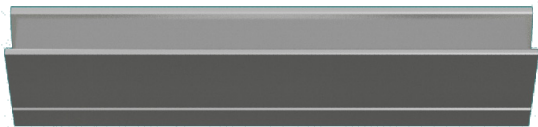
Dies



Dies are available in the following standard lengths: 505 mm - 1020 mm - 1020 mm Sect. - 1250 mm Sect.



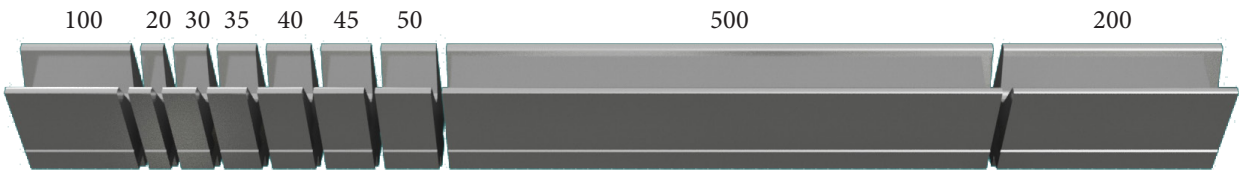
505 mm



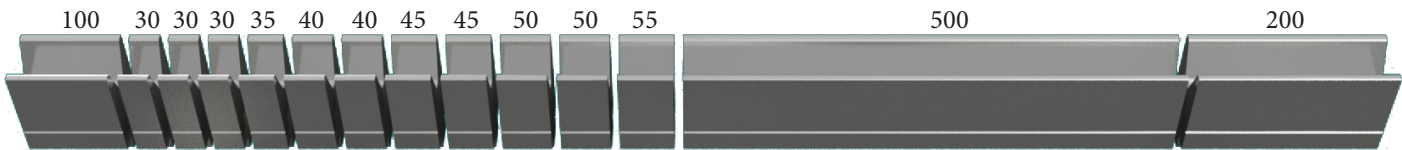
1020 mm



1020 mm FR / Sect.



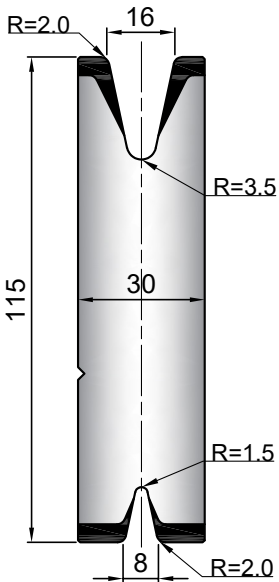
1250 mm FR / Sect.



Dies

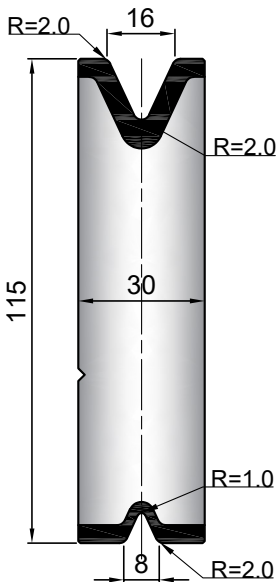
Steel: C45

Cod.	α	V	T/mt
26.100	24°	8/16	50



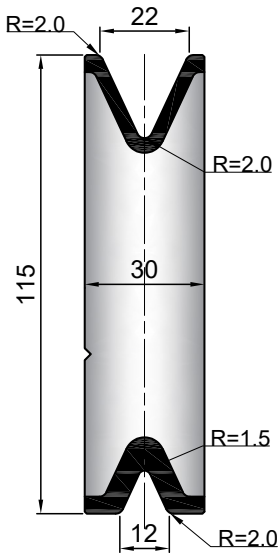
Steel: C45

Cod.	α	V	T/mt
26.101	50°	8/16	50



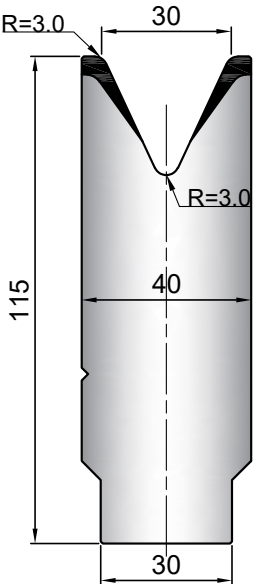
Steel: C45

Cod.	α	V	T/mt
26.102	50°	12/22	50



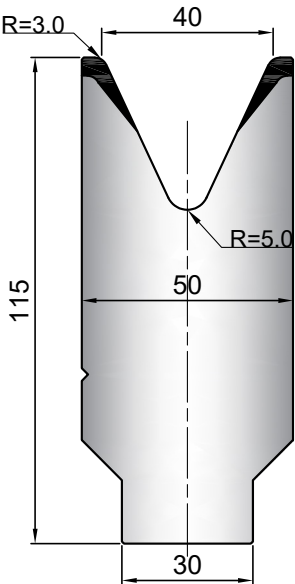
Steel: C45

Cod.	α	V	T/mt
26.103	50°	30	50



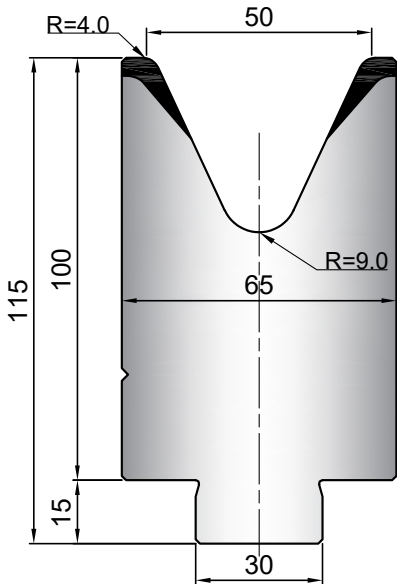
Steel: C45

Cod.	α	V	T/mt
26.104	50°	40	50

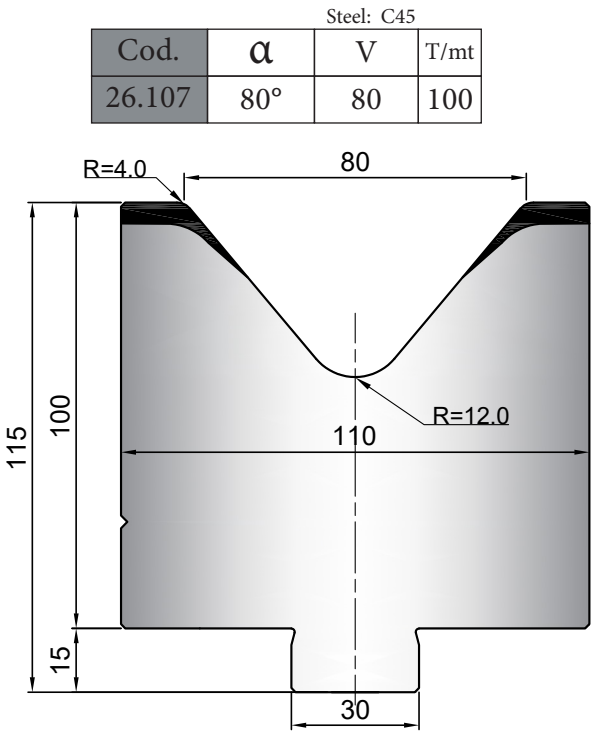
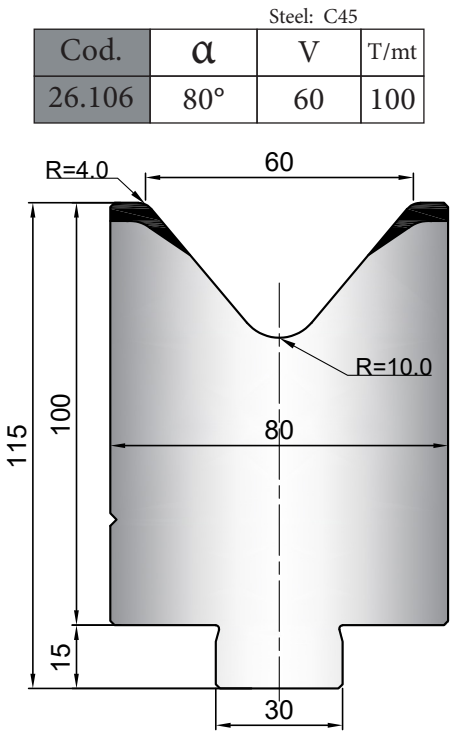


Steel: C45

Cod.	α	V	T/mt
26.105	50°	50	50

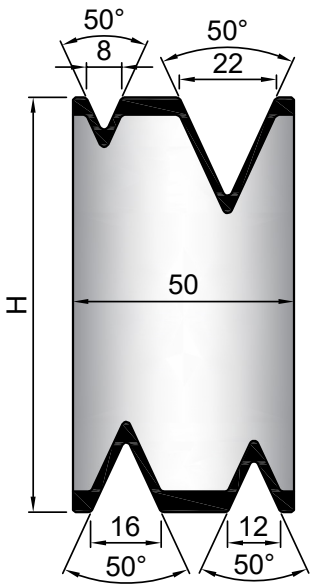


Dies



Steel: C45

Cod.	α	V	H	T/mt
26.109	50°	8/12/16/22	54	50
26.110	50°	8/12/16/22	74	50
26.111	50°	8/12/16/22	94	50
26.112	50°	8/12/16/22	112	50



Accessories

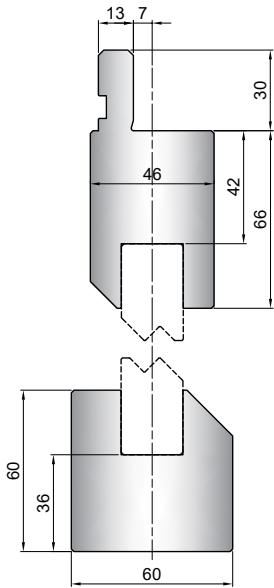


Z Tool holders

Amada - Promecam

Steel: C45

Cod.	T/mt
11.500	100

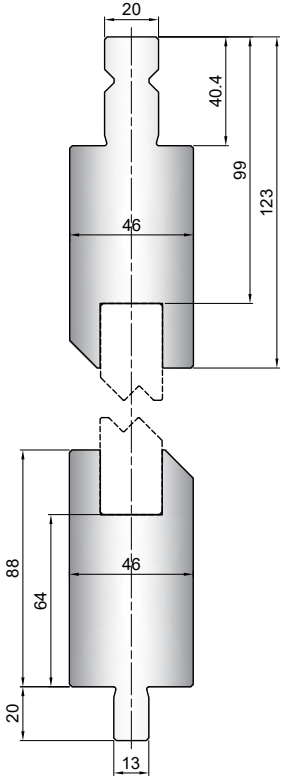


835 mm
415 mm

Wila - Trumpf

Steel: C45

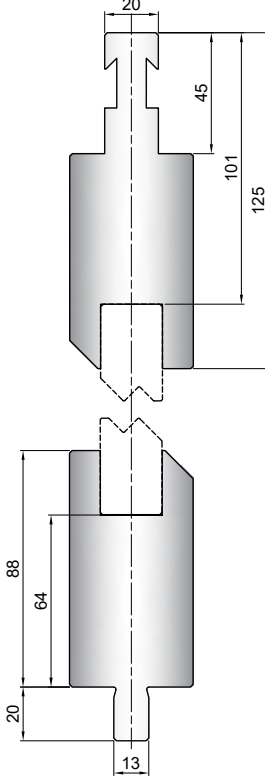
Cod.	T/mt
12.420	100



Beyeler - R

Steel: C45

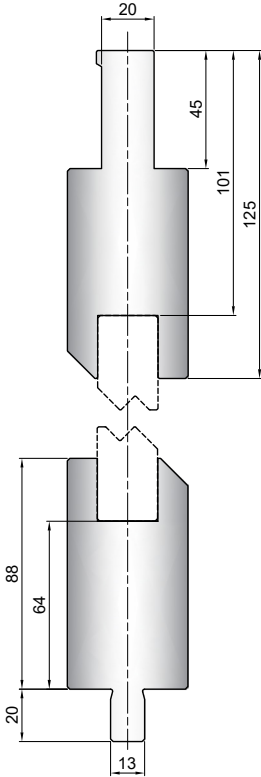
Cod.	T/mt
11.551	100



Beyeler - S

Steel: C45

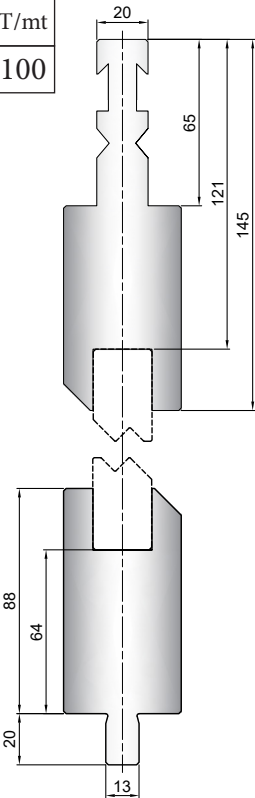
Cod.	T/mt
11.552	100



Beyeler - RFA

Steel: C45

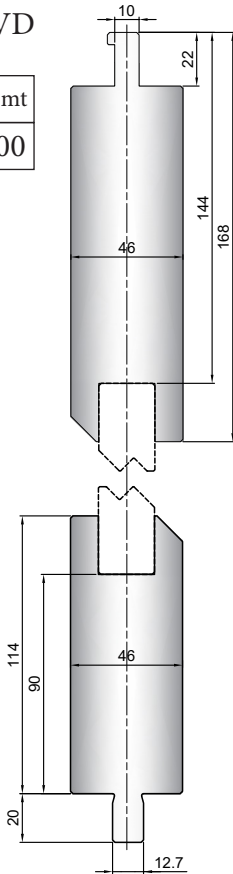
Cod.	T/mt
12.998	100



LVD

Steel: C45

Cod.	T/mt
14.106	100

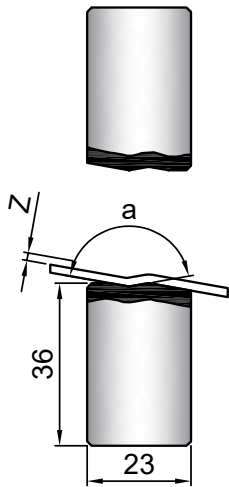


Accessories

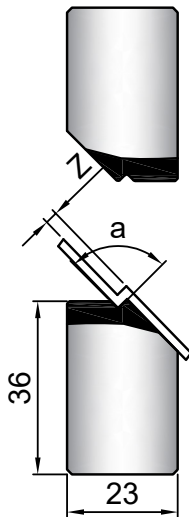


Z inserts for Z holders

835 mm
415 mm

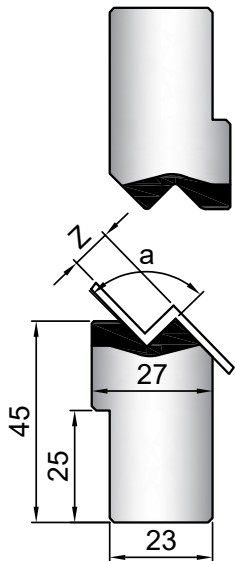


Cod.	α	Z
11.300	160°	1
11.310	160°	1.5
11.320	150°	2
11.330	140°	2.5

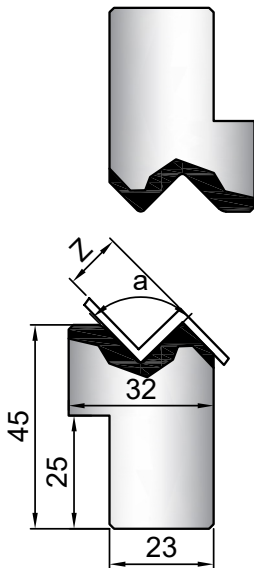


Cod.	α	Z
12.760	90°	1
12.770	90°	1.5
12.740	90°	2
12.750	90°	2.5
11.340	90°	3
11.350	90°	3.5
11.360	90°	4
11.370	90°	4.5

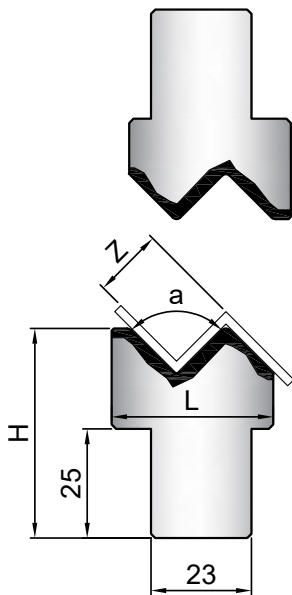
Cod.	α	Z
11.380	90°	5
11.390	90°	5.5
11.400	90°	6
11.410	90°	6.5
11.420	90°	7
11.430	90°	7.5
11.440	90°	8



Cod.	α	Z
11.450	90°	9
11.460	90°	10
11.470	90°	11
11.480	90°	12



Cod.	α	Z
12.780	90°	13
12.790	90°	14
12.800	90°	15



Cod.	α	Z	L	H
11.401	90°	16	37	48
11.421	90°	17	39	48
11.441	90°	18	41	48
11.451	90°	19	40	50
11.461	90°	20	42	50

Accessories



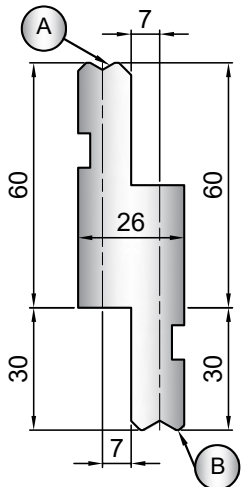
Holders for radius inserts

830 mm
410 mm

Amada - Promecam

Steel: C45

Cod.	T/mt
11.550	80

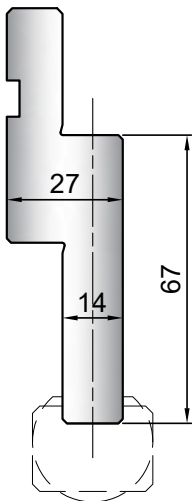


- A** R 3.0 Min
R 4.5 Max
- B** R 5.0 Min
R 6.5 Max

Amada - Promecam

Steel: C45

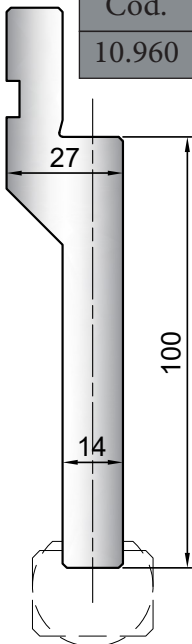
Cod.	T/mt
10.360	80



Amada - Promecam

Steel: C45

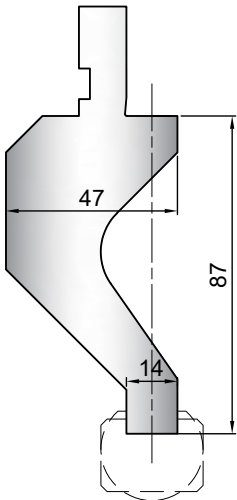
Cod.	T/mt
10.960	80



Amada - Promecam

Steel: C45

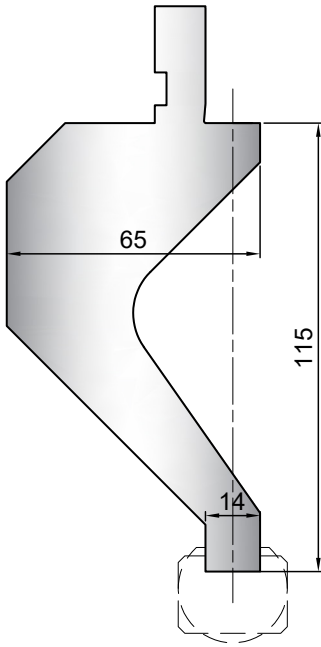
Cod.	T/mt
10.910	80



Amada - Promecam

Steel: C45

Cod.	T/mt
10.900	80



Accessories



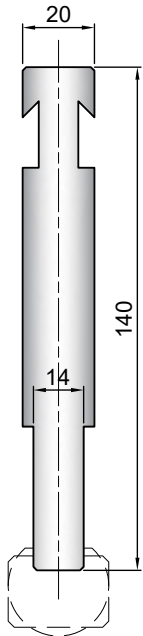
Holders for radius inserts

830 mm
410 mm

Beyeler - R

Steel: C45

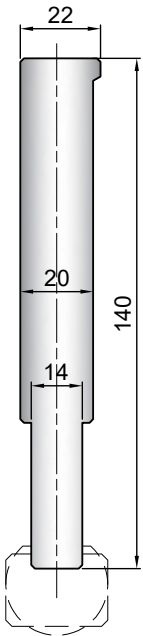
Cod.	T/mt
12.390	80



Beyeler - S

Steel: C45

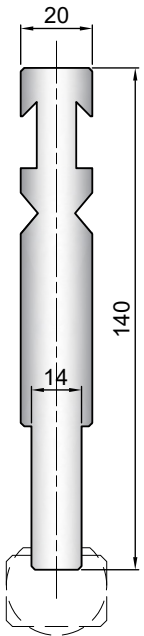
Cod.	T/mt
12.410	80



Beyeler - RFA

Steel: C45

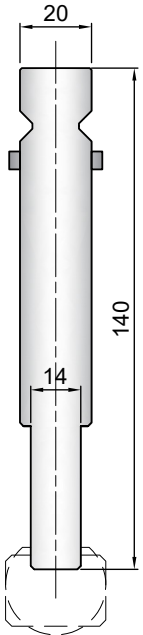
Cod.	T/mt
12.730	80



Wila - Trumpf

Steel: C45

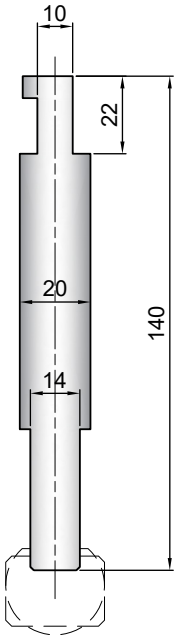
Cod.	T/mt
12.400	80



LVD

Steel: C45

Cod.	T/mt
14.110	80

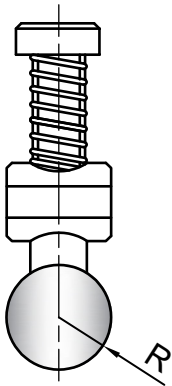


Accessories



Radius tool

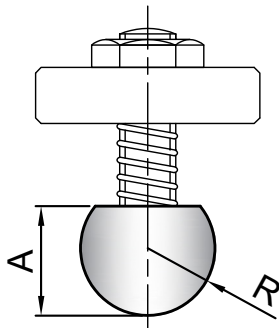
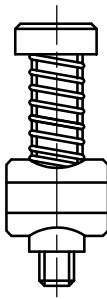
835 mm
415 mm



Cod.	R
11.800	3.0
11.810	3.5
11.820	4.0
11.830	4.5
11.840	5.0
11.850	5.5
11.860	6.0
11.870	6.5

Cod.
42.750

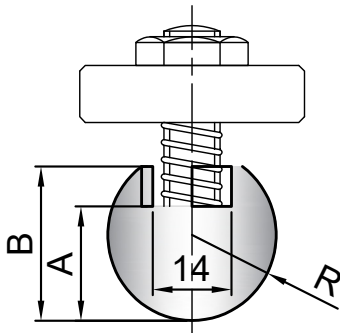
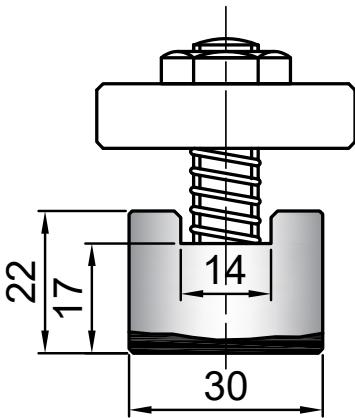
Spare part



Cod.	A	R
11.000	11.5	7.0
11.010	11.5	7.5
11.020	13.0	8.0
11.030	16.0	9.0
10.370	16.0	10.0
11.040	16.0	11.0
11.050	16.0	11.5
11.060	20.0	12.0

Cod.
10.430

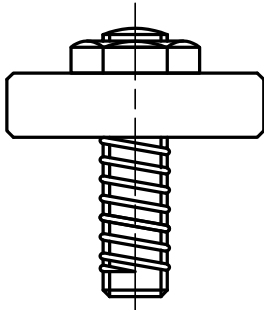
Flattening insert



Cod.	A	B	R
11.070	16.0	21.0	12.5
11.080	17.0	23.0	13.0
11.090	19.0	25.0	14.0
10.380	20.0	27.0	15.0
11.100	21.0	28.0	16.0
11.110	21.5	31.5	17.0
10.390	22.0	32.0	17.5
11.120	25.0	32.0	19.0
10.400	24.0	34.0	20.0
11.130	25.0	33.0	22.5
10.410	29.0	39.0	25.0
11.140	34.0	44.0	27.5
10.420	34.0	44.0	30.0
11.150	45.0	55.0	35.0
11.160	45.0	55.0	40.0
11.170	50.0	60.0	45.0
11.180	54.0	64.0	50.0

Cod.
42.740

Spare part

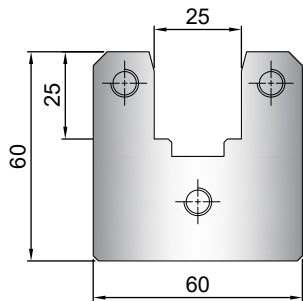


Accessories



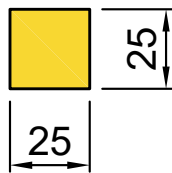
Holders and inserts in polyurethane

Cod. 20.360

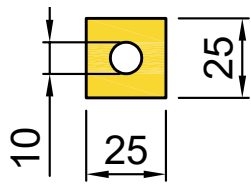


835 mm
415 mm

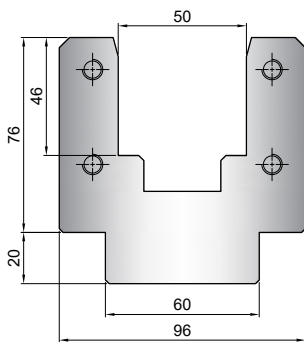
Cod. 21.010



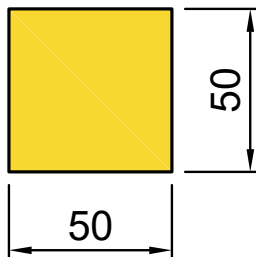
Cod. 21.050



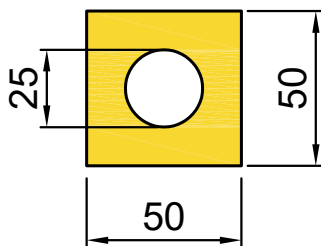
Cod. 20.370



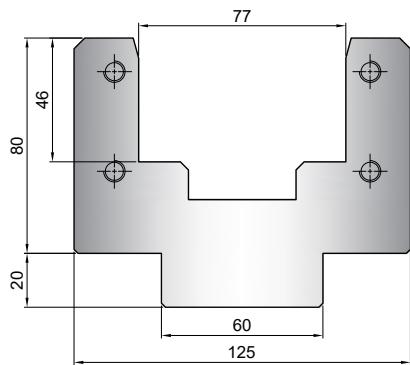
Cod. 21.020



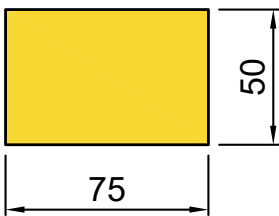
Cod. 21.060



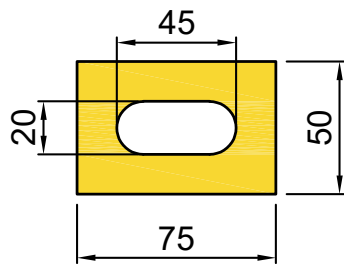
Cod. 20.380



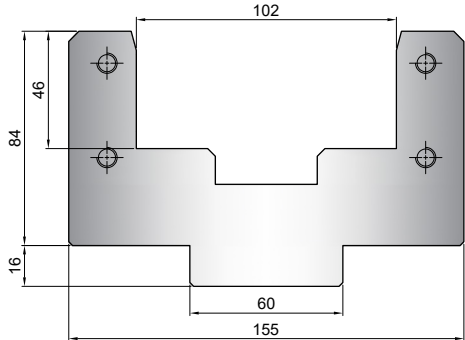
Cod. 21.030



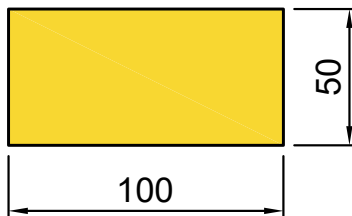
Cod. 21.070



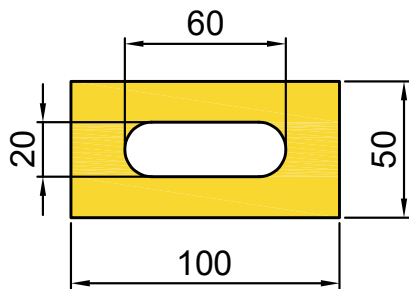
Cod. 20.400



Cod. 21.040



Cod. 21.080



Accessories

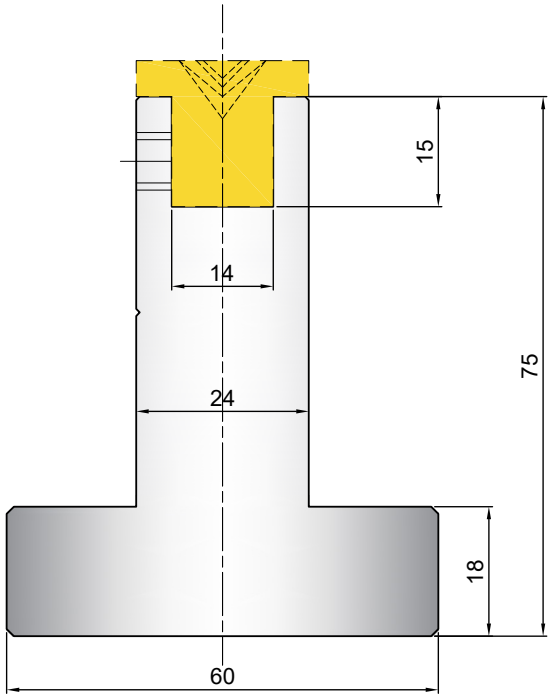


Holders for interchangeable nylon inserts

835 mm
415 mm

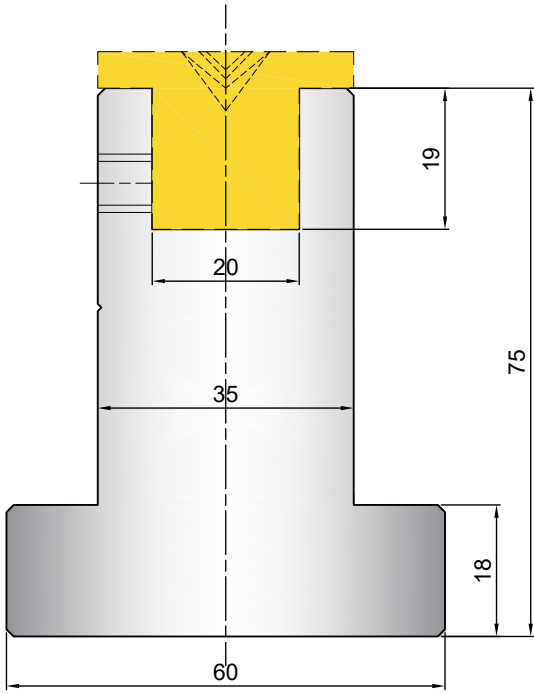
Steel: C45

Cod.	T/mt
21.090	100



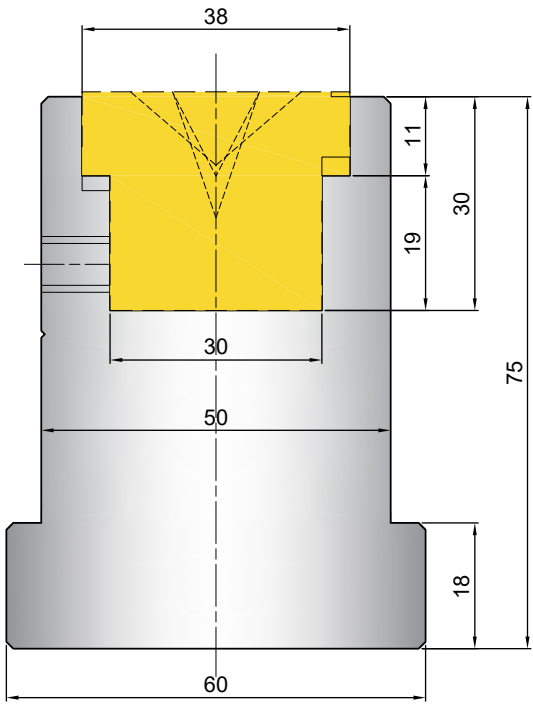
Steel: C45

Cod.	T/mt
21.100	100



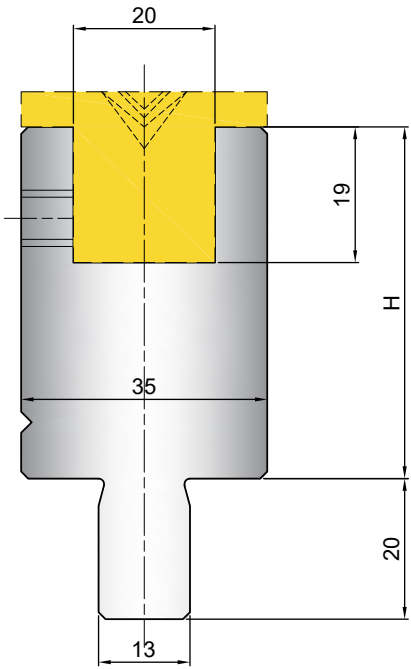
Steel: C45

Cod.	T/mt
21.110	100



Steel: C45

Cod.	H	T/mt
21.150	50	100
21.160	95	100



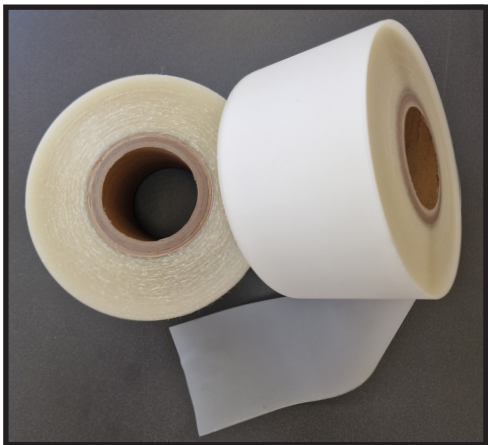
Accessories



Scratch-resistant polyurethane film

Cod.	43.080
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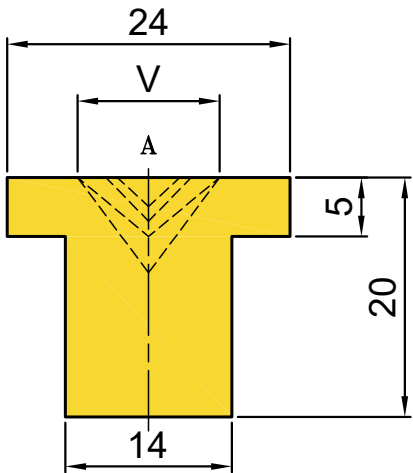
Thickness : 0.5/0,8 mm
Width : 100 mm
Lenght : 45 m



Interchangeable Nylon inserts

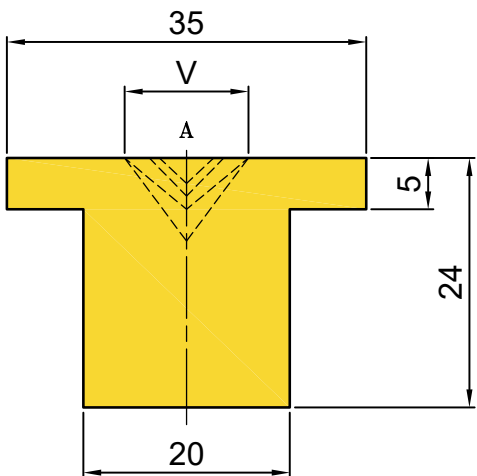
Cod.	21.120
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21.120				
A	V			
88°	6	8	10	
60°	6	8	10	
45°	6	8	10	
30°	6	8		



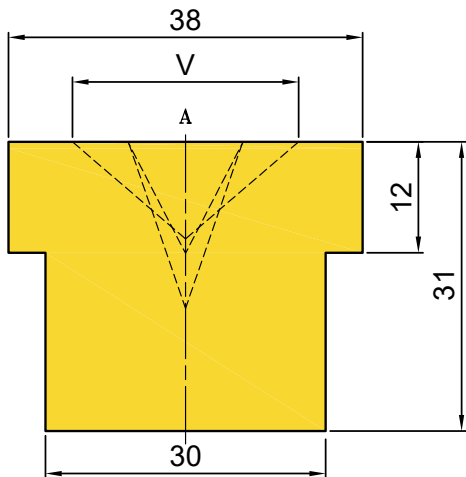
Cod.	21.130
------	--------

21.130						
A	V					
88°	6	8	10	12	16	
60°	6	8	10	12	16	
45°	6	8	10	12		
30°	6	8	10			



Cod.	21.140
------	--------

21.140								
A	V							
88°	6	8	10	12	16	20	25	
60°	6	8	10	12	16	20		
45°	6	8	10	12	16	20		
30°	6	8	10	12	16			



Accessories



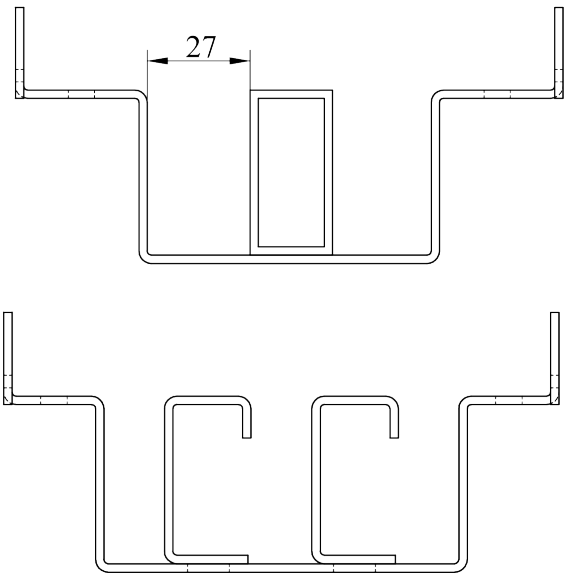
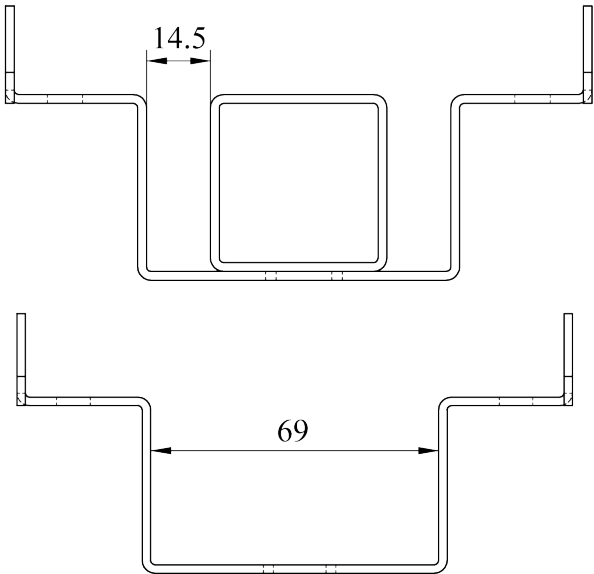
- Extendable drawers, allows two-sided access to tools
- 4 Self-closing sliding drawers
- 3 Adjustable intermediate shelves

Amada - Promecam

Cod.	Width	850 mm
54.004	Length	1050 mm
	Height	1240 mm
	Weight	350 KG

Wila - Trumpf

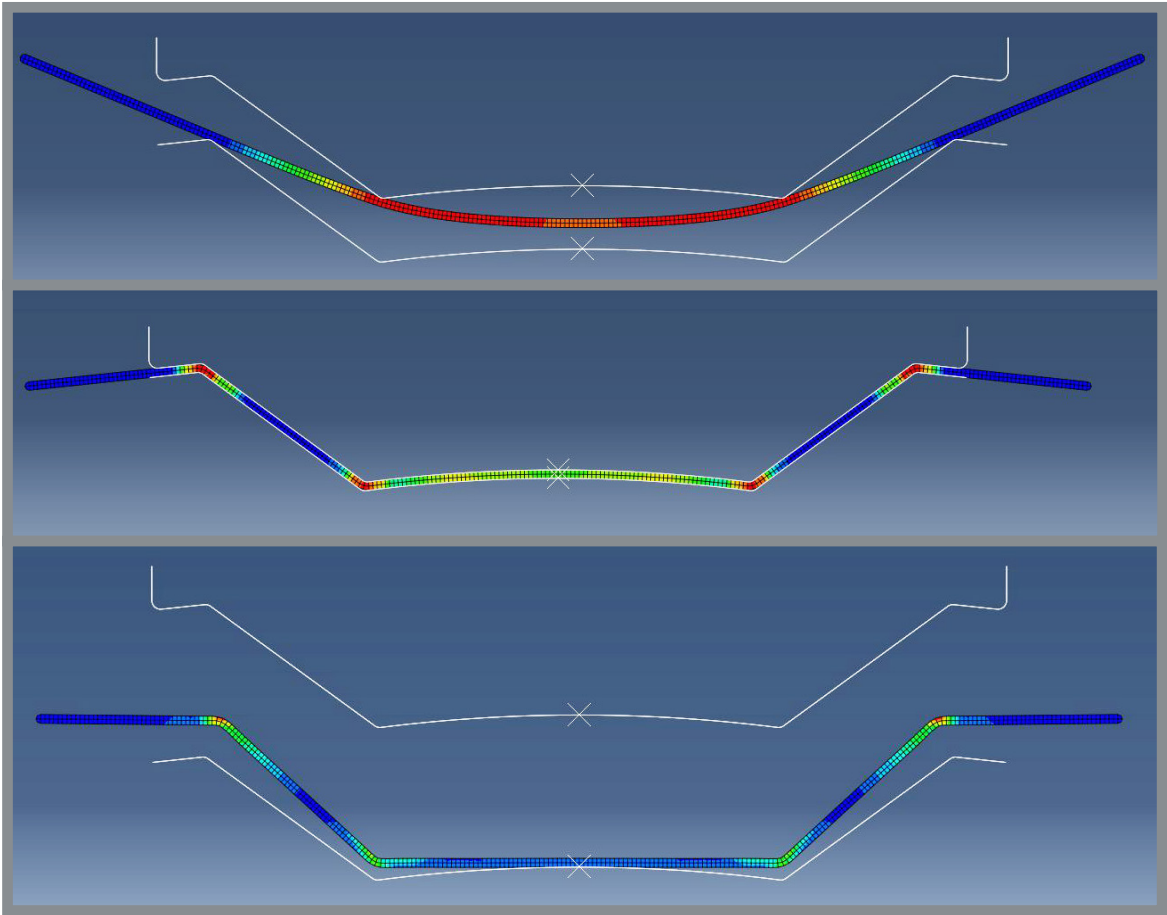
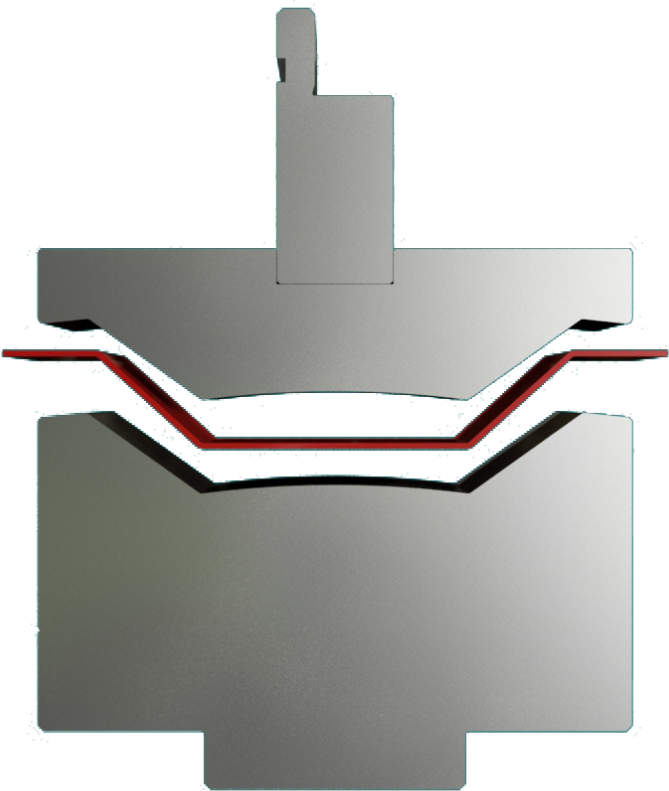
Cod.	Width	850 mm
54.004/1	Length	1180 mm
	Height	1240 mm
	Weight	380 KG



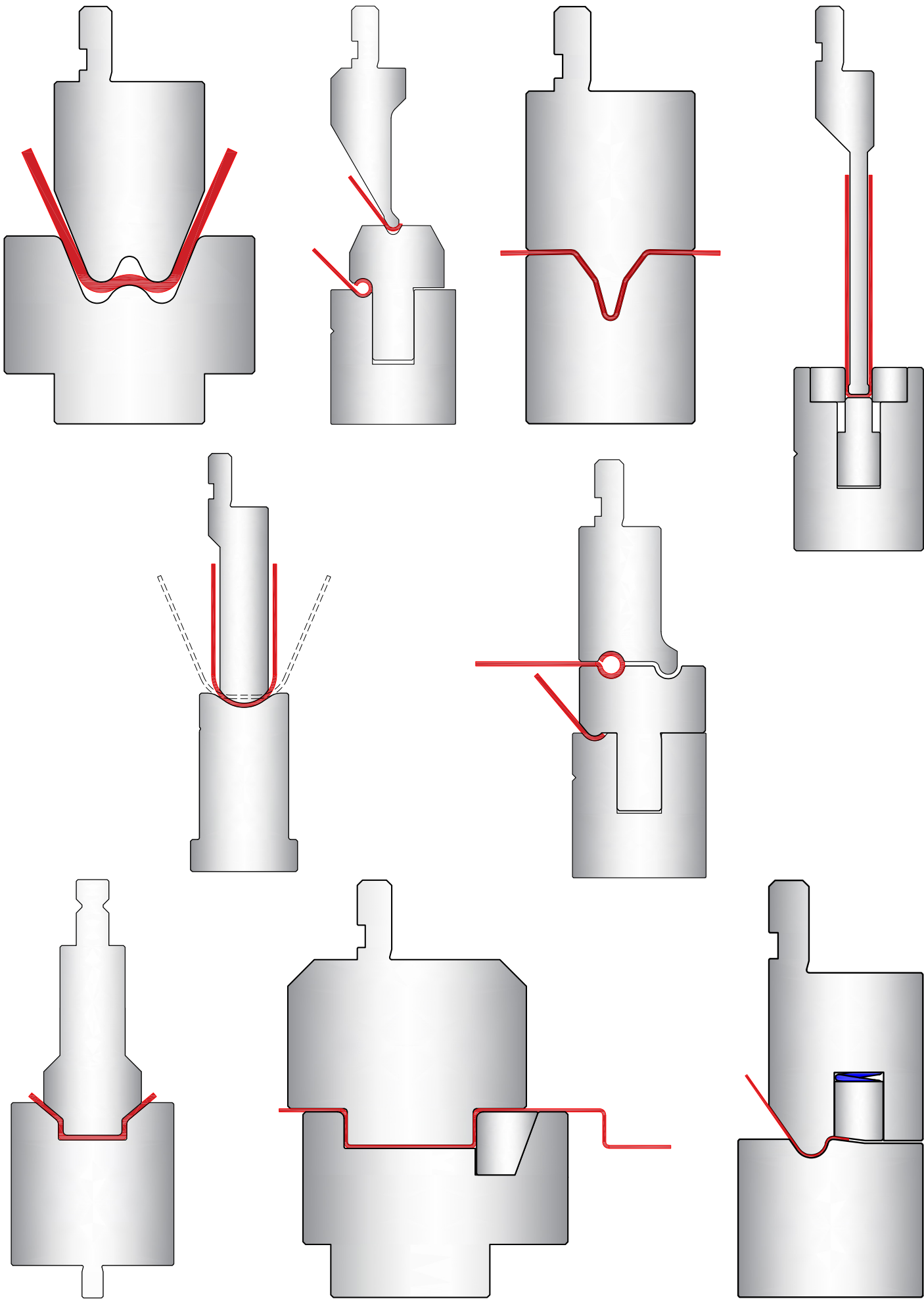
Accessories



Thanks to our advanced software, we can calculate the springback, the force required to perform the bending and prevent the sheet from breaking during processing.



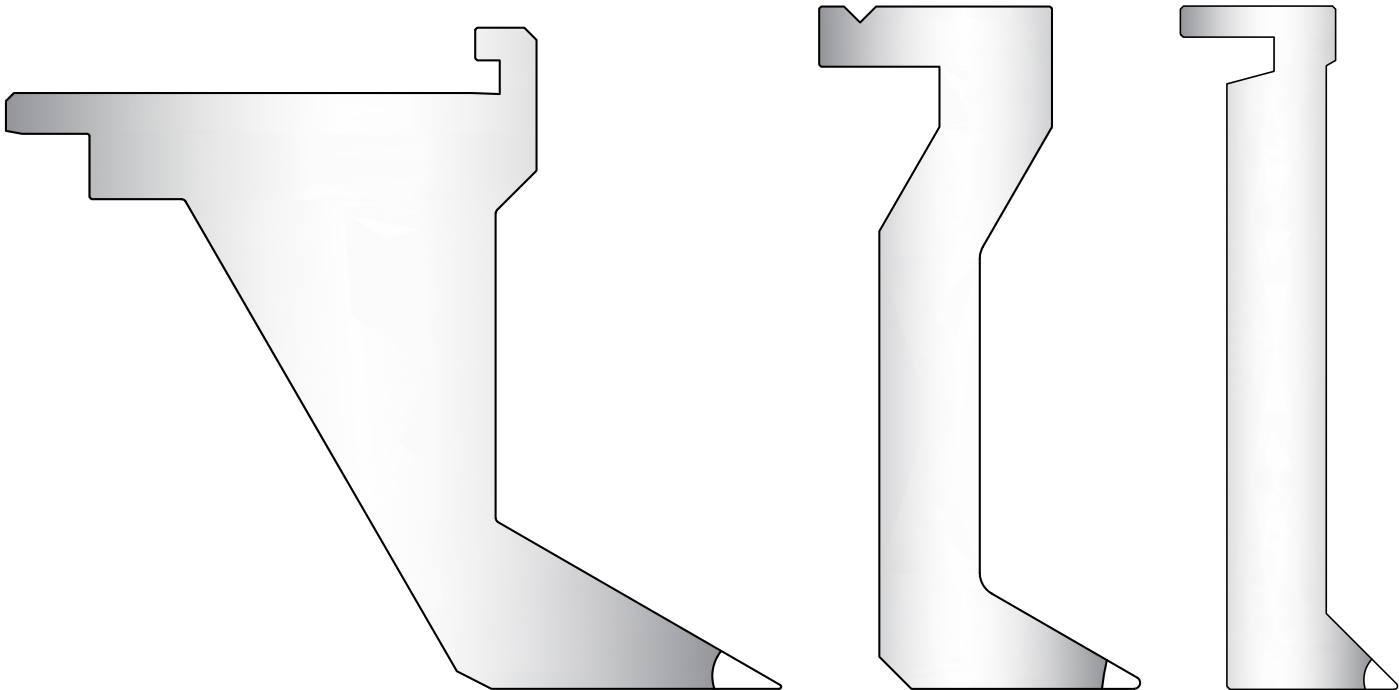
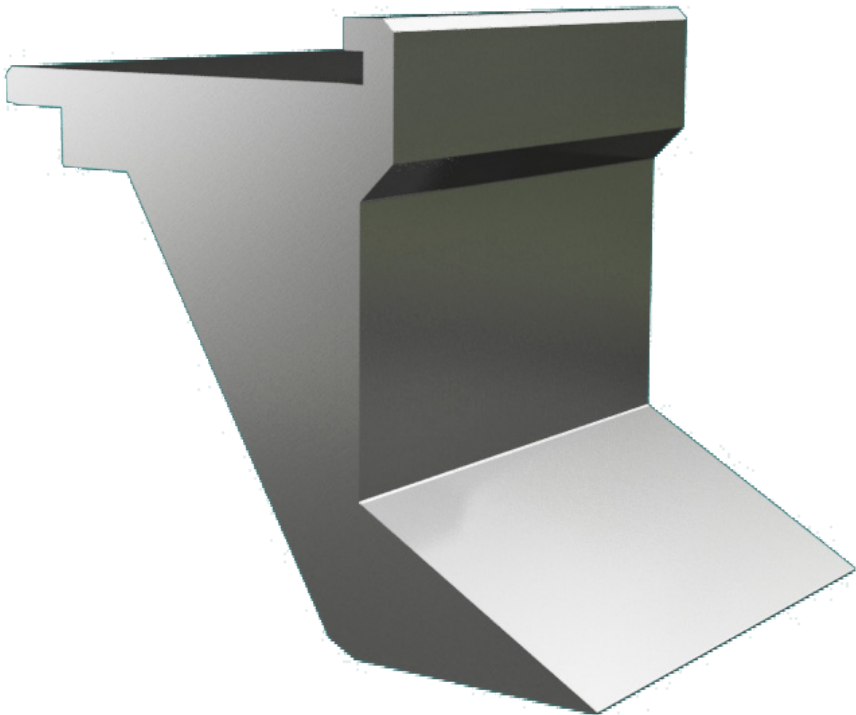
Accessories



Panel bender tools



Panel bender tools made to your specifications.

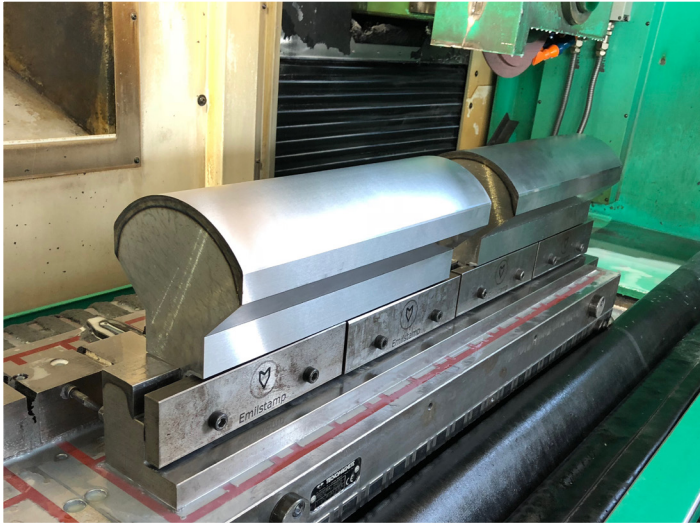
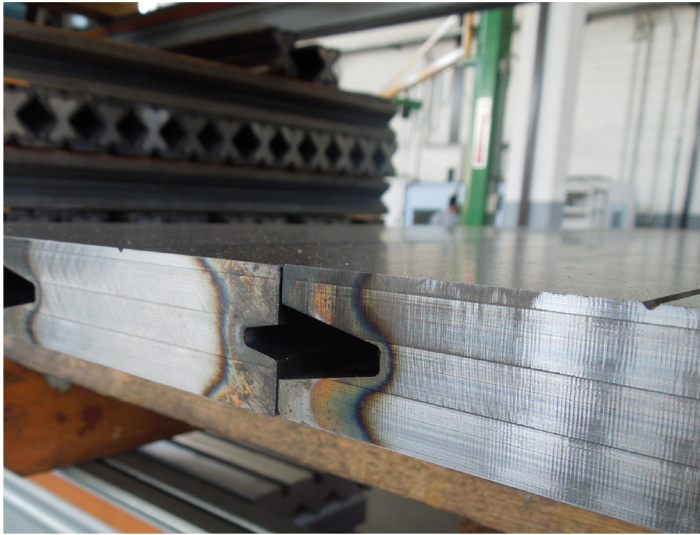
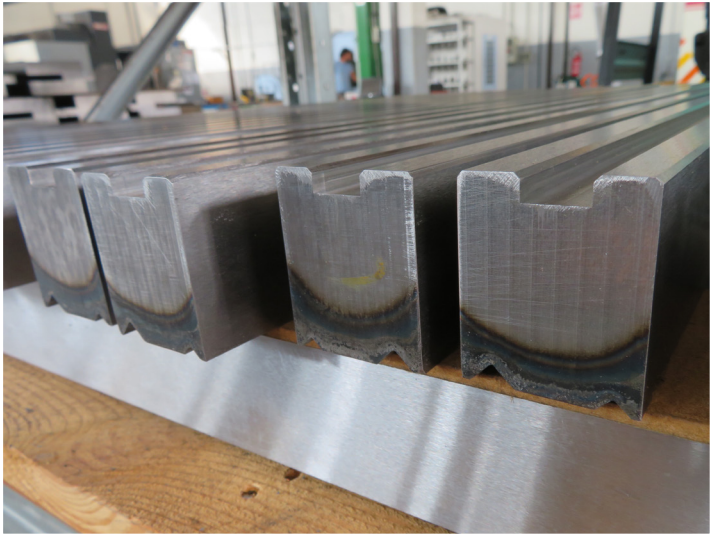
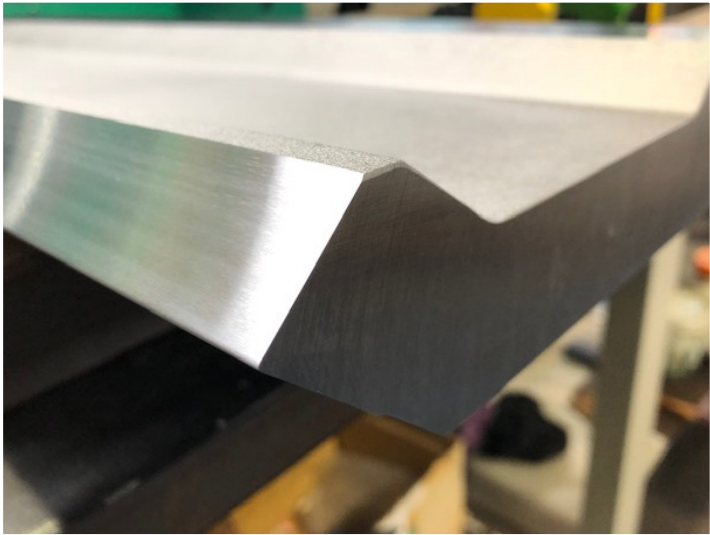
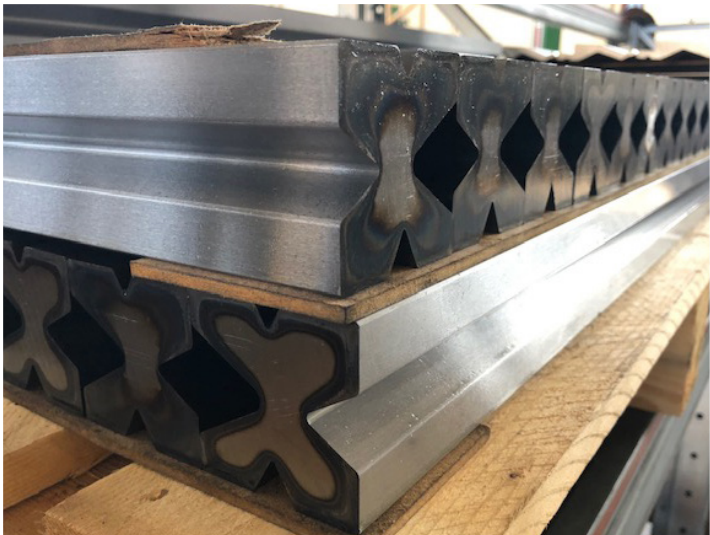




W ODCINKACH 3 i 4 m.

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