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Cutting. Bending. Automation.

Bystronic

Bystronic Tools Our Tools RF-AC

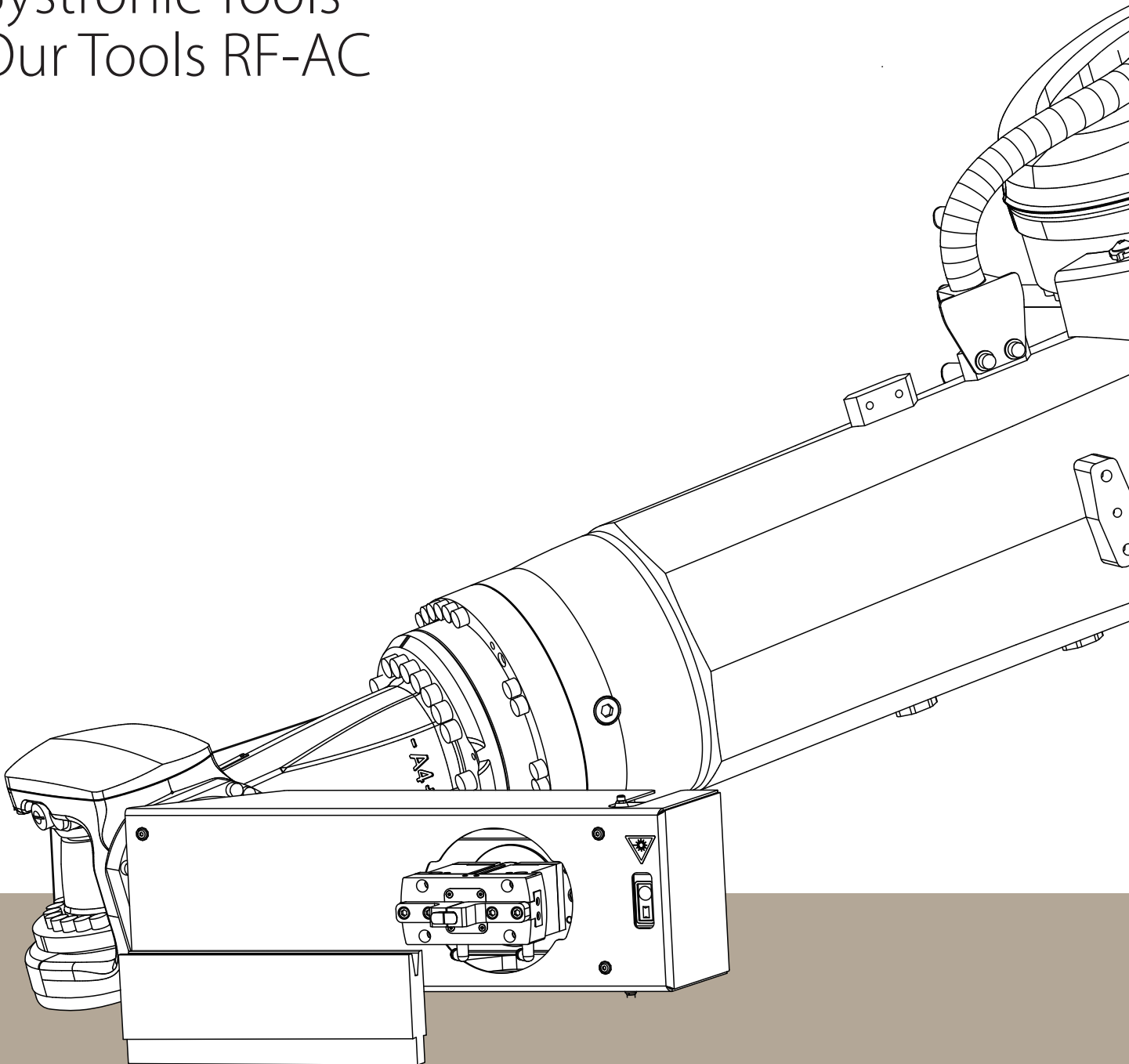




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Basics

Icons of this catalogue



material / hardness



max. permitted load



method of tool loading



nature of load



max. box depth



weight



clamping type



drawing number (BOSbase reference)



reversible tool



bottom tool support

The following machines are considered in this catalogue:

Xpert Tool Changer - XTC

Modular Tool Changer - MTC

Bending Cell - BC



Calculation basics for air bending

Capacity chart for air bending

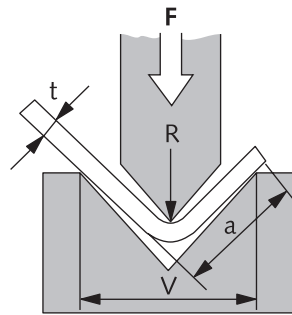
The given data has been calculated based upon bending material with a tensile strength of $R_m = 420 \text{ N/mm}^2$ over a length of 1 m.

V	6	8	10	12	16	18	20	24	32	40	50	60	80
R	1	1.2	1.6	2	2.5	2.8	3	3.5	5	6	8	9.5	12
t	F Bending force force in kN/1 m bending length												
a	Minimum flange length in mm												
0.5	25												
	4.3												
0.8	70	48											
	4.6	5.7											
1	115	80	60										
	5	6	7										
1.2		120	90	70									
		6	7.5	8.5									
1.5			150	120									
			8	9									
2.0				235	160	135	120	95					
				10	12	13	14.5	17					
2.5					265	225	200	155	110				
					12.5	14	15.5	17.5	23				
3.0							300	240	165	125			
							15.5	17.5	23.5	28			
4.0									315	235	180		
									25	29	35		
5.0									535	430	310	250	
									26	31	35.5	43	
6.0										610	450	360	
										32	36	44	
8.0											880	690	470
											40	46	57
10													800
													60
12													1200
													62
16													
18													
20													

Sheets with mill scale will increase the bending force by a factor of 1,05–1,1



100	120	130	140	150	160	180	190	200	230	260	290	320	V
15.5	19	21	23	24.5	26	28	30	32	36	40	45	50	R
F													t
Bending force force in kN/1 m bending length													t
a													Minimum flange length in mm
													0.5
													0.8
													1
													1.2
													1.5
													2.0
													2.5
													3.0
													4.0
													5.0
													6.0
													8.0
													10
													12
													16
													18
													20
360													8.0
71													10
600	470	430	390										10
71	85	92	100										12
900	710	650	580	550	500								12
73	86	92	100	105	115								16
	1400	1250	1150	1050	950	810	800	710	600				16
	90	98	105	110	115	130	135	140	160				18
			1480	1350	1250	1100	1000	950	800	700	600		18
			105	110	120	130	135	140	160	180	205		20
						1400	1300	1200	1000	900	850	700	20
						135	140	145	165	180	205	225	20



The internal radius R corresponds to approximately 16% of the die opening V.



Calculation basics for air bending

Calculation formulas

Recommended bottom tool opening V for air bending

Material thickness	t	0.5–2.5 mm	3–8 mm	9–10 mm	> 12 mm
Bottom tool opening	V	6 × t	8 × t	10 × t	12 × t

Bending force for

Aluminium	R _m = 300 N/mm ²	F = F (table) × 0.65
Mild steel	R _m = 420 N/mm ²	F = F (table)
Stainless steel	R _m = 700 N/mm ²	F = F (table) × 1.6

Determination of the bending force for air bending (reference data)

$$F = \frac{R_m \times t^2}{V} \times \left(1 + \frac{4 \times t}{V}\right)$$

Conversion: R_m = tensile strength in N/mm²

10 N = 1 Kg

10 kN = 1 t

Conversion for minimal internal radii R

thickness t	1	2	3	4	5	6	8	10	12	16	18	20
min. R	1	2	3	5	6	8	12	16	20	28	36	40



Tensile strength

Material		Tensile strength	
American	European	KPSI	N/mm ²
6061 Aluminum	Alu 50	42	290
5052 Aluminum	Alu 35	44	303
1010 Mild steel	DC01	53	366
A536-80 G 60-40-18	GGG-40	58	400
A 351 G CF 8	G-X 6CrNi 18 9	65	450
A 572 G50	S 355 MC	80	550
Domex 80	S 420 MC	80	550
A 36	S 235 JR	80	552
304 Stainless	Inox V2A	85	586
316 Stainless	Inox V4A	87	600
A 572 G 65	S 460 MC	95	655
Domex 100	S 500 MC	102	700
Domex 550	S 550 MC	110	760
Domex 600	S 600 MC	119	820
Weldox 700	Weldox 700	123	850
Domex 650	S 650 MC	128	880
Domex 700	S 700 MC	138	950
4140 Low alloy	42 CrMo 4	145	1000
Weldox 900	Weldox 900	149	1030
Weldox 960	Weldox 960	154	1060
Hardox 400	Hardox 400	181	1250
Hardox 500	Hardox 500	225	1550

Please ask your responsible consultant for bending high strength materials.



How does tool change work?

Intelligent automation for fast and precise tool changing

- Save time and increase the bending quality thanks to the automated changing of upper and lower tools
- Precise and error-free positioning of the tool sets in the clamping system of the upper and lower beams, even with large tools (up to V80 / BC and MTC up to V120)
- Simple tool expansion at any time: Intelligent sensor technology automatically detects new tools and integrates them into the tool magazine
- Automatic rotation of the upper tools increases the variety of bending applications
- A high degree of ergonomics and compact handling, because all the tools are kept ready within the machine
- Precise and gentle processing of bent parts thanks to automatic cleaning of the bending table



* Maximum tooling weight:

Gripper XTC	- max. 15.0 kg
Gripper BC/MTC	- max. 25.0 kg



Notches

Upper tools

Upper tools have notches on their backside. Punches that are asymmetric, e.g. P4 and P5 have also notches on their front.

Punches of types P2, P3, P4, P5, P6, P7, P8, P9, P11 and P900, with height of 250 mm, are possible to handle. On request 350 mm height tooling is available.

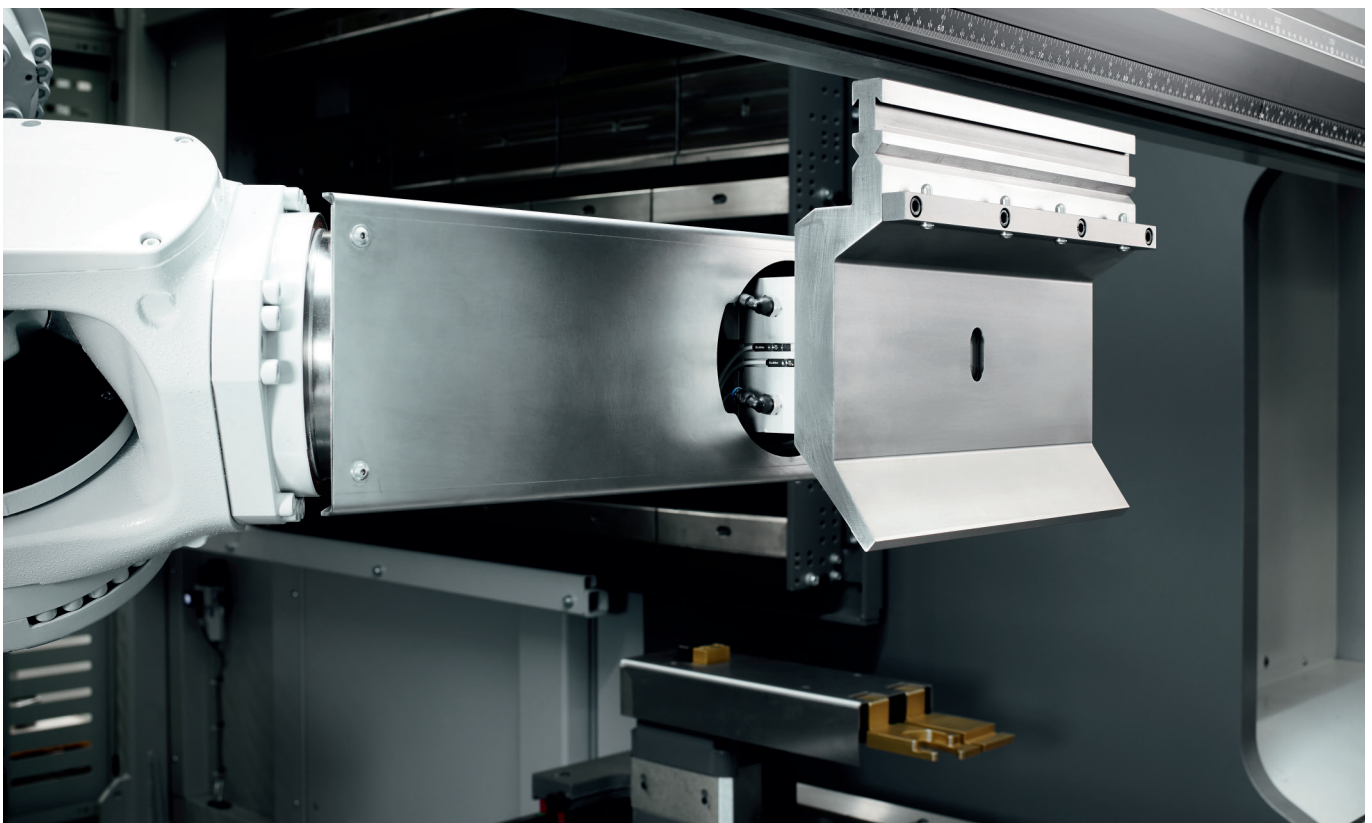
Segmentations start with lengths of 30 mm up to 515 mm*.

Lower tools

Lower tools have a notch on their backside. This is what makes handling of the tools possible for the robot.

Die inserts from V6 up to V120 are possible**.

Segmentation lengths start from 50 mm up to 515 mm*.



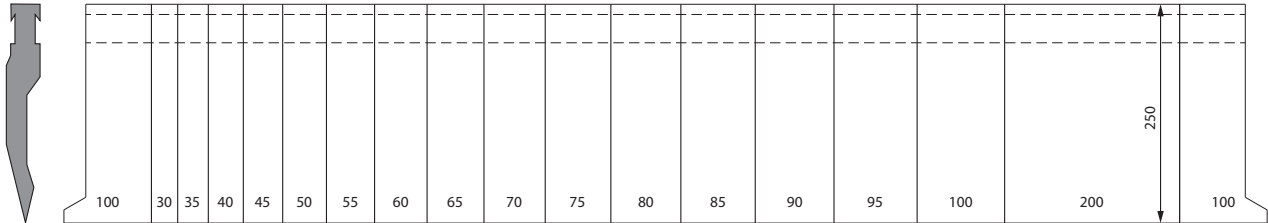
* parts about 515 mm are available on request or on BC/MTC

** die inserts up to V80 can be handled by XTC
die inserts up to V120 can be handled by BC/MTC



Segmentations

valid for Xpert Tool Changer, MTC and BC



Upper tools	Part number
Punch P2 RF-AC/85° H=250 L=1375 sect.	65208.0002.5000
Punch P4 RF-AC/85° H=250 L=1375 sect.	65208.0004.5000
Punch P5 RF-AC/30° H=250 L=1375 sect.	65208.0005.5000
Punch P7 RF-AC/30° H=250 L=1375 sect.	65208.0007.5000

All segmentations consist of the following lengths:

30 mm, 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm, Horn set 100 mm LH + RH

Upper tools	Part number
Punch P11 RF-AC B=20 H=250 L=1175 sect.	65208.0011.5000

Segmentation consist of the following lengths:

30 mm, 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm

Lower tools	Part number
Die insert V-Flat B40 L=1025 sect.	65208.0000.5000

Segmentation consist of the following lengths:

50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm



50	55	60	65	70	75	80	85	90	95	100	200

Lower tools		Part number
Die insert V6C/30°	L=1025 sect.	64208.0006.5000
Die insert V8C/30°	L=1025 sect.	64208.0008.5000
Die insert V10C/30°	L=1025 sect.	64208.0010.5000
Die insert V12C/30°	L=1025 sect.	64208.0012.5000
Die insert V16C/30°	L=1025 sect.	64208.0020.5000
Die insert V20C/30°	L=1025 sect.	64208.0020.5000
Die insert V24C/30°	L=1025 sect.	64208.0024.5000
Die insert V32C/30°	L=1025 sect.	64208.0032.5000
Die insert V40C/60°	L=1025 sect.	64208.0040.5000
Die insert V50C/60°	L=1025 sect.	64208.0050.5000
Die insert V60C/60°	L=1025 sect.	64208.0060.5000
Die insert V80C/80°	L=1025 sect.	64208.0080.5000
Die insert V100C/80°	L=1025 sect.	64208.0100.5000
Die insert V120C/80°	L=1025 sect.	64208.0120.5000
Die insert V6SC/30°	L=1025 sect.	64208.0006.5100
Die insert V8SC/30°	L=1025 sect.	64208.0008.5100
Die insert V10SC/30°	L=1025 sect.	64208.0010.5100
Die insert V12SC/30°	L=1025 sect.	64208.0012.5100

All segmentations consist of the following lengths:

50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm, 100 mm, 200 mm

*** Lower tools up to V80 are valid for XTC**
Lower tools up to V120 are valid for the BC/MTC



Segmentations



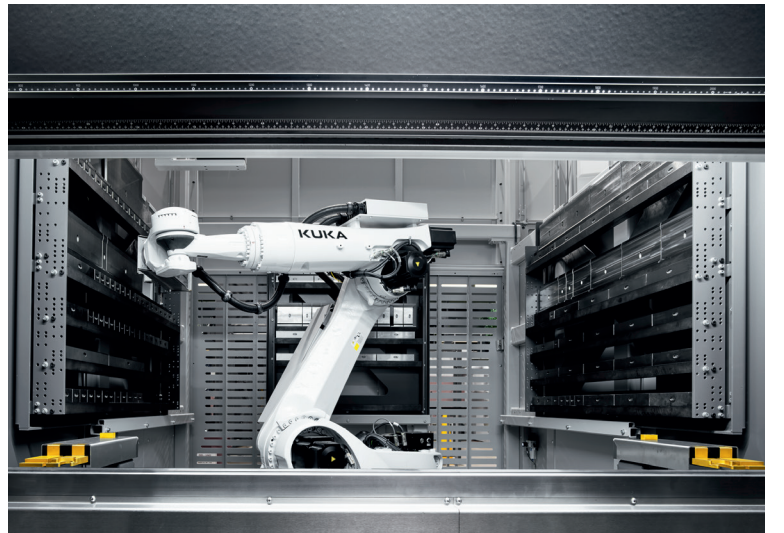
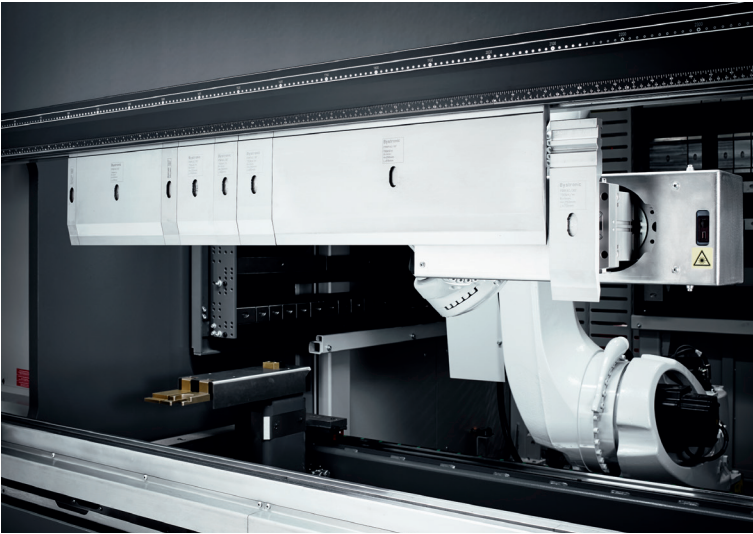
50	55	60	65	70	75	80	85	90	95	100	200

Lower tools	Part number
Die insert V6C/30° H=100 L=1025 sect.	64208.0006.5031
Die insert V8C/30° H=100 L=1025 sect.	64208.0008.5165
Die insert V10C/30° H=100 L=1025 sect.	64208.0010.5031
Die insert V12C/30° H=100 L=1025 sect.	64208.0012.5030
Die insert V16C/30° H=100 L=1025 sect.	64208.0020.5040
Die insert V20C/30° H=100 L=1025 sect.	64208.0020.5030
Die insert V24C/30° H=100 L=1025 sect.	64208.0024.5031
Die insert V32C/30° H=100 L=1025 sect.	64208.0032.5030
Die insert V40C/60° H=100 L=1025 sect.	64208.0040.5030
Die insert V50C/60° H=100 L=1025 sect.	64208.0050.5030
Die insert V60C/60° H=100 L=1025 sect.	64208.0060.5030
Die insert V80C/80° H=100 L=1025 sect.	64208.0080.5030

All segmentations consist of the following lengths:

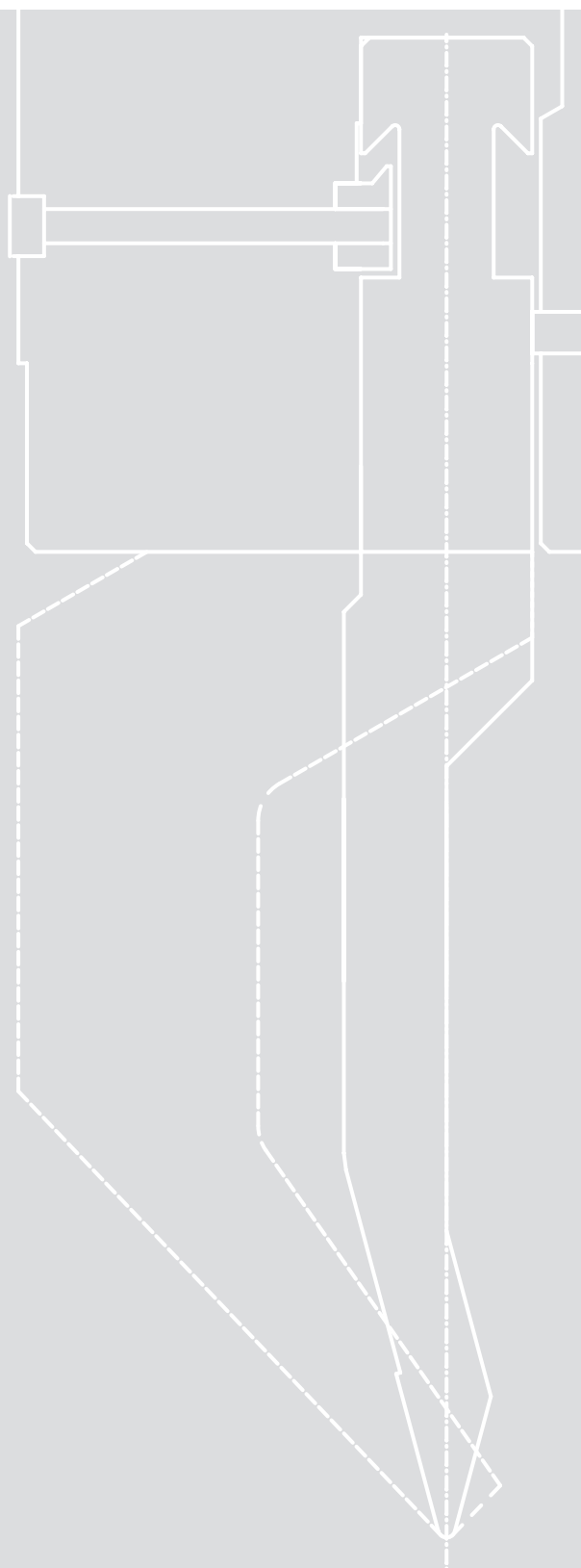
50 mm, 55 mm, 60 mm, 65 mm, 70 mm, 75 mm, 80 mm, 85 mm, 90 mm, 95 mm,
100 mm, 200 mm

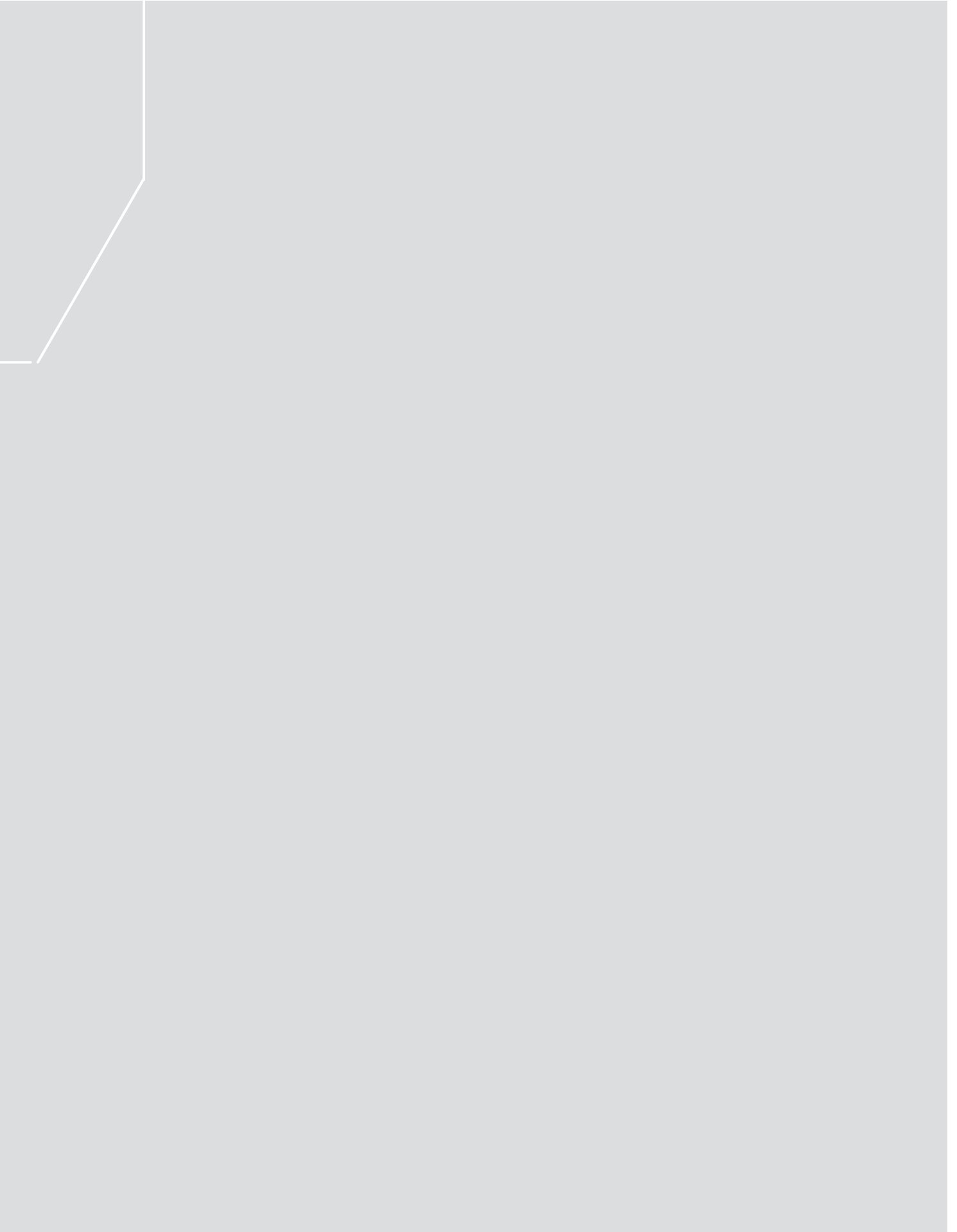
*** Lower tools up to V80 are valid for XTC**
Lower tools up to V120 are valid for the BC/MTC





Upper tools

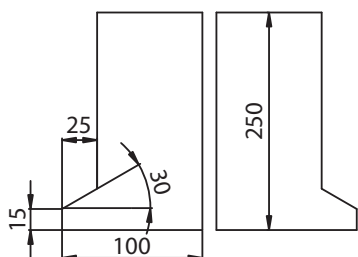






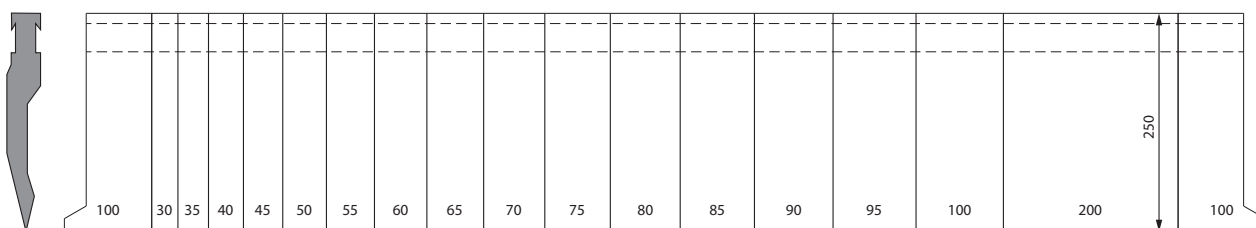
Upper tools segments

Horns RF-AC



Punch RF-AC L = 1375 sect.

(30+35+40+45+50+60+65+70+75+80+85+90+95+100+200 +Horns l+r)



Special segmentations on request.

All upper tools with other radius are available on request.

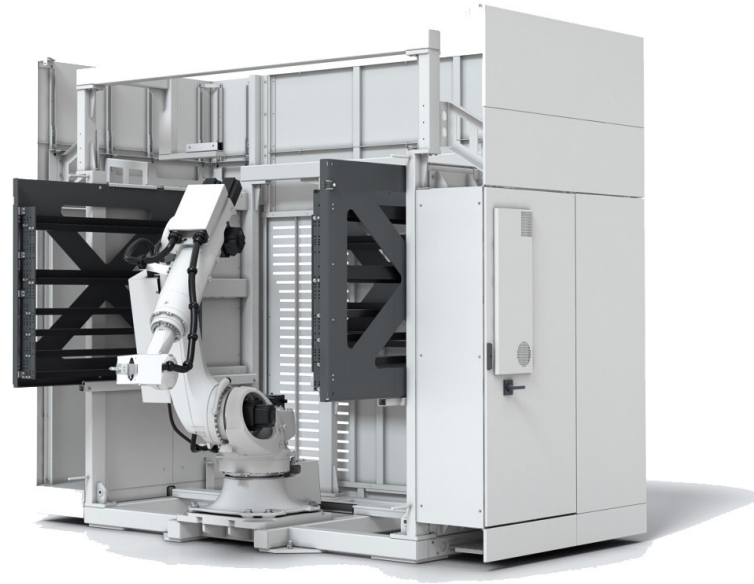
Maximum tooling weight:

Gripper XTC - max. 15.0 kg

Gripper BC/MTC - max. 25.0 kg



Modular Tool Changer

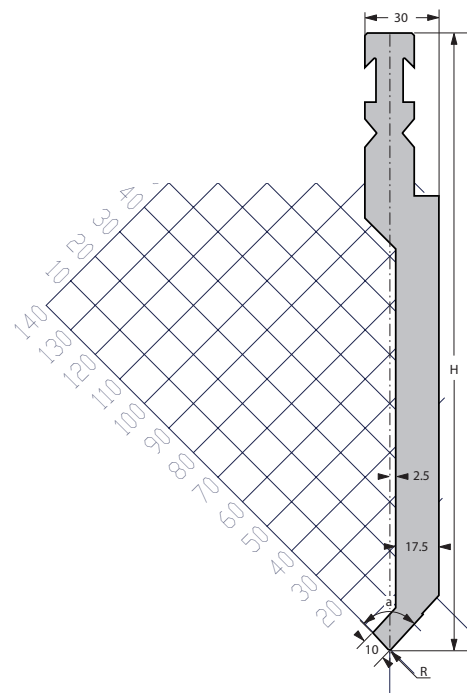


Bending Cell





P2 RF-AC/85° H250



[R] Radius (mm)*	1.0
Nose angle	85°
[H] Height (mm)	250

*other radius on request

Standard length	Part number
30 mm	65208.0002.5001
35 mm	65208.0002.5002
40 mm	65208.0002.5003
45 mm	65208.0002.5004
50 mm	65208.0002.5005
55 mm	65208.0002.5006
60 mm	65208.0002.5007
65 mm	65208.0002.5008
70 mm	65208.0002.5015
75 mm	65208.0002.5016
80 mm	65208.0002.5017

Standard length	Part number
85 mm	65208.0002.5018
90 mm	65208.0002.5019
95 mm	65208.0002.5020
100 mm	65208.0002.5011
200 mm	65208.0002.5012
275 mm	65208.0002.5013
300 mm	65208.0002.5014
515 mm	65208.0002.5019
Horn set LH + RH	65208.0002.7001
Horn LH	65208.0002.7002
Horn RH	65208.0002.7003



F max = 1000 kN/m



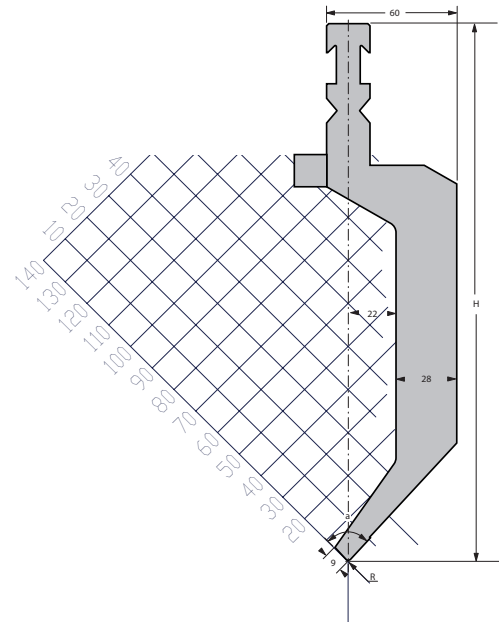
34.4 kg/m



98.0 mm



P4 RF-AC/85° H250



[R] Radius (mm)*	1.5
Nose angle	85°
[H] Height (mm)	250

*other radius on request

Standard length	Part number
30 mm	65208.0004.5001
35 mm	65208.0004.5002
40 mm	65208.0004.5003
45 mm	65208.0004.5004
50 mm	65208.0004.5005
55 mm	65208.0004.5006
60 mm	65208.0004.5007
65 mm	65208.0004.5008
70 mm	65208.0004.5015
75 mm	65208.0004.5016
80 mm	65208.0004.5017

Standard length	Part number
85 mm	65208.0004.5018
90 mm	65208.0004.5019
95 mm	65208.0004.5020
100 mm	65208.0004.5011
200 mm	65208.0004.5012
275 mm	65208.0004.5013
300 mm	65208.0004.5014
Horn set LH + RH	65208.0004.7003
Horn LH	65208.0004.7001
Horn RH	65208.0004.7002



F max = 600 kN/m



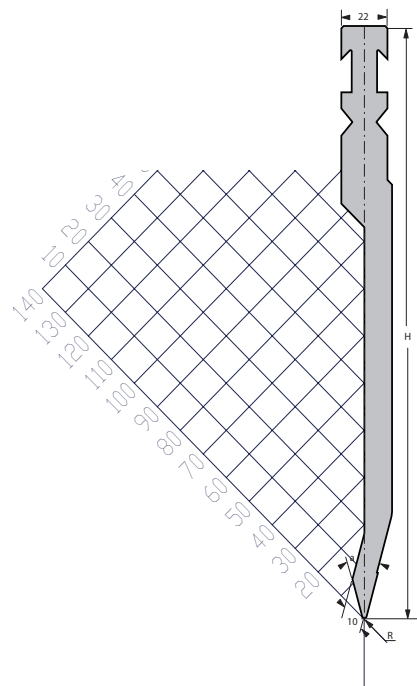
48.3 kg/m



98.0 mm



P5 RF-AC/30° H250



[R] Radius (mm)*	1
Nose angle	30°
[H] Height (mm)	250

*other radius on request

Standard length	Part number
30 mm	65208.0005.5001
35 mm	65208.0005.5002
40 mm	65208.0005.5003
45 mm	65208.0005.5004
50 mm	65208.0005.5005
55 mm	65208.0005.5006
60 mm	65208.0005.5007
65 mm	65208.0005.5008
70 mm	65208.0005.5015
75 mm	65208.0005.5016
80 mm	65208.0005.5017

Standard length	Part number
85 mm	65208.0005.5018
90 mm	65208.0005.5019
95 mm	65208.0005.5020
100 mm	65208.0005.5011
200 mm	65208.0005.5012
275 mm	65208.0005.5013
300 mm	65208.0005.5014
515 mm	65208.0005.5021
Horn set LH + RH	65208.0005.7003
Horn LH	65208.0005.7001
Horn RH	65208.0005.7002



F max = 750 kN/m



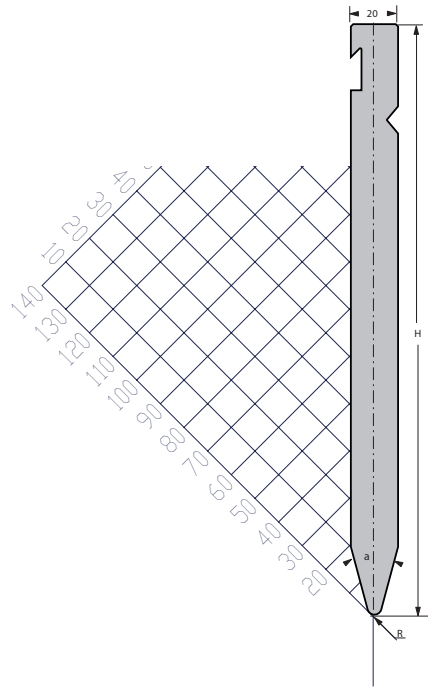
26.0 kg/m



98.0 mm



P7 RF-AC/30° H250



[R] Radius (mm)*	3
Nose angle	30°
[H] Height (mm)	250

*other radius on request

Standard length	Part number
30 mm	65208.0007.5001
35 mm	65208.0007.5002
40 mm	65208.0007.5003
45 mm	65208.0007.5004
50 mm	65208.0007.5005
55 mm	65208.0007.5006
60 mm	65208.0007.5007
65 mm	65208.0007.5008
70 mm	65208.0007.5015
75 mm	65208.0007.5016
80 mm	65208.0007.5017

Standard length	Part number
85 mm	65208.0007.5018
90 mm	65208.0007.5019
95 mm	65208.0007.5020
100 mm	65208.0007.5011
200 mm	65208.0007.5012
275 mm	65208.0007.5013
300 mm	65208.0007.5014
515 mm	65208.0007.5026
Horn set LH + RH	65208.0007.7003
Horn LH	65208.0007.7001
Horn RH	65208.0007.7002



F max = 1400 kN/m



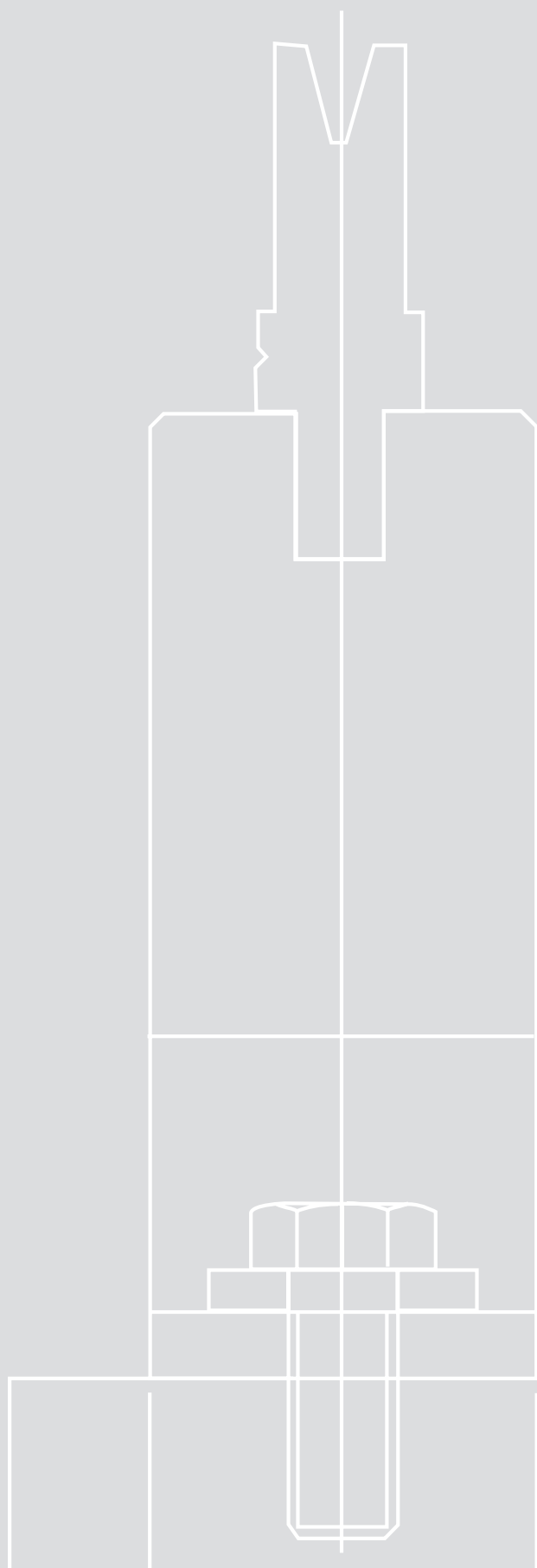
35.9 kg/m



98.0 mm



Bottom tools





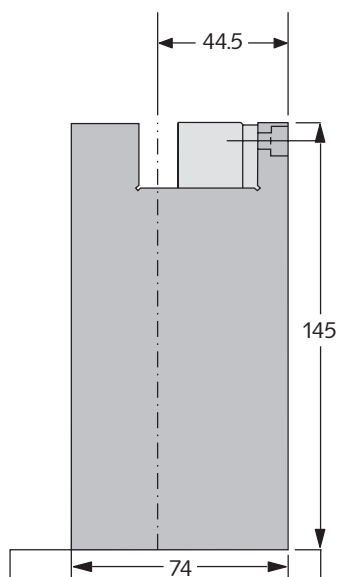


Lower table options

Table with hydraulic tool clamping

T12

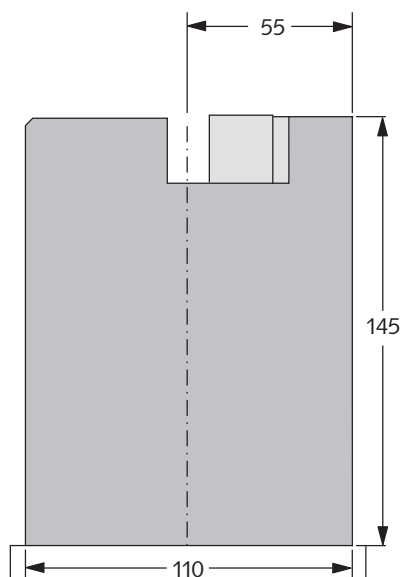
(Optional Xpert 60 - 320 and Xpert 250 - 1000)



Fitting bottom tools up to V80.

T13

(Optional Xpert 60 - 320 and Xpert 250 - 1000)




Fitting bottom tools up to V150.



Bottom tool segmentation

Die insert VC L= 1025 sect.



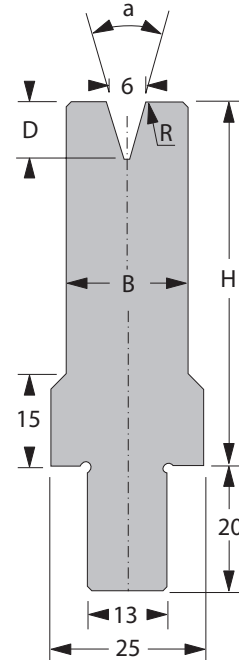
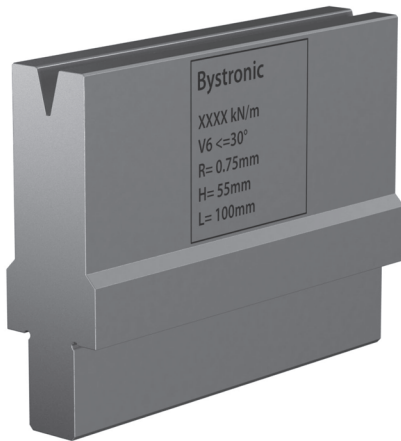
50	55	60	65	70	75	80	85	90	95	100	200

Special segmentation on request.

In addition all lower tools can be supplied with modified radii, die angle and height (non standard).



V6C/30° H55



[R] Radius (mm)*	0.75
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	20
[D] Depth (mm)	9.3

*other radius on request

Standard length	Part number
50 mm	64208.0006.5001
55 mm	64208.0006.5002
60 mm	64208.0006.5003
65 mm	64208.0006.5004
70 mm	64208.0006.5005
75 mm	64208.0006.5006
80 mm	64208.0006.5007
85 mm	64208.0006.5008
90 mm	64208.0006.5009
95 mm	64208.0006.5010
100 mm	64208.0006.5011

Standard length	Part number
200 mm	64208.0006.5012
275 mm	64208.0006.5013
300 mm	64208.0006.5014
515 mm	64208.0006.5015
1025 mm sect.	64208.0006.5000



F max 30° = 400 kN/m



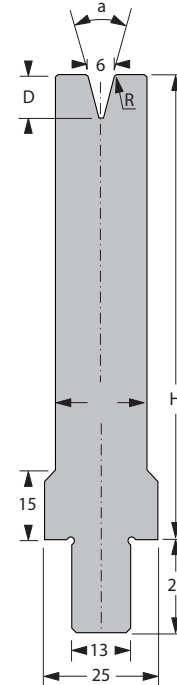
10.9 kg/m



Die insert 13 mm



V6C/30° H100



[R] Radius (mm)*	0.75
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	20
[D] Depth (mm)	9.3

*other radius on request

Standard length	Part number
50 mm	64208.0006.5016
55 mm	64208.0006.5017
60 mm	64208.0006.5018
65 mm	64208.0006.5019
70 mm	64208.0006.5020
75 mm	64208.0006.5021
80 mm	64208.0006.5022
85 mm	64208.0006.5023
90 mm	64208.0006.5024
95 mm	64208.0006.5025
100 mm	64208.0006.5026

Standard length	Part number
200 mm	64208.0006.5027
275 mm	64208.0006.5028
300 mm	64208.0006.5029
515 mm	64208.0006.5030
1025 mm sect.	64208.0006.5031



F max 30° = 400 kN/m



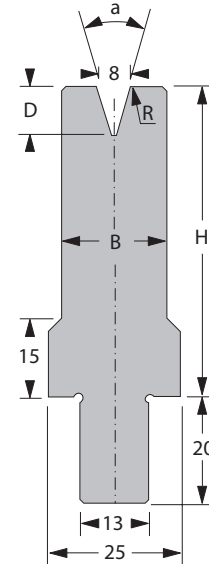
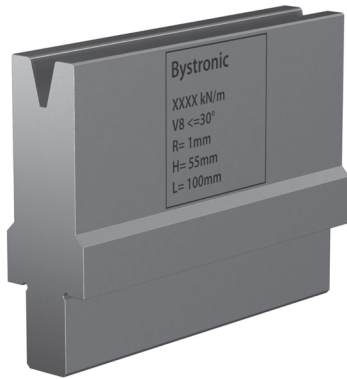
18.0 kg/m



Die insert 13 mm



V8C/30° H55



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	20
[D] Depth (mm)	11.2

*other radius on request

Standard length	Part number
50 mm	64208.0008.5001
55 mm	64208.0008.5002
60 mm	64208.0008.5003
65 mm	64208.0008.5004
70 mm	64208.0008.5005
75 mm	64208.0008.5006
80 mm	64208.0008.5007
85 mm	64208.0008.5008
90 mm	64208.0008.5009
95 mm	64208.0008.5010
100 mm	64208.0008.5011

Standard length	Part number
200 mm	64208.0008.5012
275 mm	64208.0008.5013
300 mm	64208.0008.5014
515 mm	64208.0008.5015
1025 mm sect.	64208.0008.5000



F max 30° = 400 kN/m



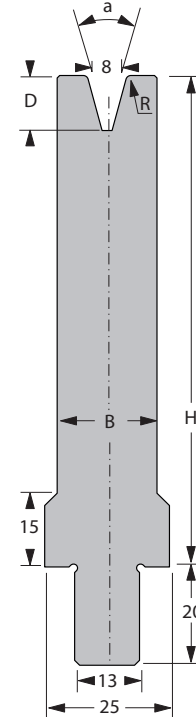
10.8 kg/m



Die insert 13 mm



V8C/30° H100



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	20
[D] Depth (mm)	11.2

*other radius on request

Standard length	Part number
50 mm	64208.0008.5016
55 mm	64208.0008.5017
60 mm	64208.0008.5018
65 mm	64208.0008.5019
70 mm	64208.0008.5020
75 mm	64208.0008.5021
80 mm	64208.0008.5022
85 mm	64208.0008.5023
90 mm	64208.0008.5024
95 mm	64208.0008.5025
100 mm	64208.0008.5026

Standard length	Part number
200 mm	64208.0008.5027
275 mm	64208.0008.5028
300 mm	64208.0008.5029
515 mm	64208.0008.5030
1025 mm sect.	64208.0008.5165



F max 30° = 300 kN/m



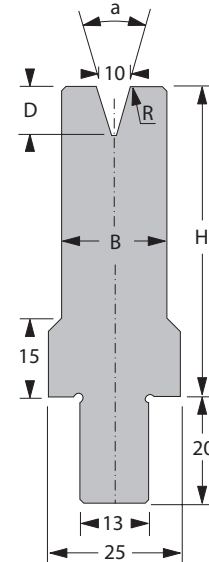
17.8 kg/m



Die insert 13 mm



V10C/30° H55



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	20
[D] Depth (mm)	14.9

*other radius on request

Standard length	Part number
50 mm	64208.0010.5001
55 mm	64208.0010.5002
60 mm	64208.0010.5003
65 mm	64208.0010.5004
70 mm	64208.0010.5005
75 mm	64208.0010.5006
80 mm	64208.0010.5007
85 mm	64208.0010.5008
90 mm	64208.0010.5009
95 mm	64208.0010.5010
100 mm	64208.0010.5011
200 mm	64208.0010.5012

Standard length	Part number
275 mm	64208.0010.5013
300 mm	64208.0010.5014
515 mm	64208.0010.5015
1025 mm sect.	64208.0010.5000



F max 30° = 200 kN/m



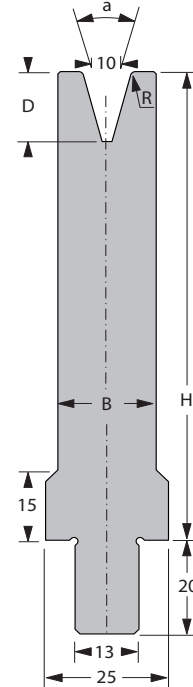
10.6 kg/m



Die insert 13 mm



V10C/30° H100



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	20
[D] Depth (mm)	14.9

*other radius on request

Standard length	Part number
50 mm	64208.0010.5016
55 mm	64208.0010.5017
60 mm	64208.0010.5018
65 mm	64208.0010.5019
70 mm	64208.0010.5020
75 mm	64208.0010.5021
80 mm	64208.0010.5022
85 mm	64208.0010.5023
90 mm	64208.0010.5024
95 mm	64208.0010.5025
100 mm	64208.0010.5026

Standard length	Part number
200 mm	64208.0010.5027
275 mm	64208.0010.5028
300 mm	64208.0010.5029
515 mm	64208.0010.5030
1025 mm sect.	64208.0010.5031



F max 30° = 200 kN/m



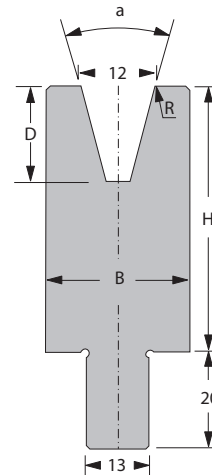
17.6 kg/m



Die insert 13 mm



V12C/30° H55



[R] Radius (mm)*	1.5
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	25
[D] Depth (mm)	18.6

*other radius on request

Standard length	Part number
50 mm	64208.0012.5001
55 mm	64208.0012.5002
60 mm	64208.0012.5003
65 mm	64208.0012.5004
70 mm	64208.0012.5005
75 mm	64208.0012.5006
80 mm	64208.0012.5007
85 mm	64208.0012.5008
90 mm	64208.0012.5009
95 mm	64208.0012.5010
100 mm	64208.0012.5011

Standard length	Part number
200 mm	64208.0012.5012
275 mm	64208.0012.5013
300 mm	64208.0012.5014
515 mm	64208.0012.5015
1025 mm sect.	64208.0012.5000



F max 30° = 250 kN/m



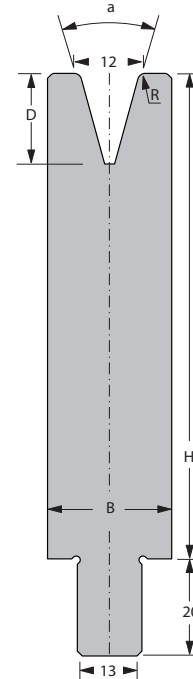
11.8 kg/m



Die insert 13 mm



V12C/30° H100



[R] Radius (mm)*	1.5
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	25
[D] Depth (mm)	18.6

*other radius on request

Standard length	Part number
50 mm	64208.0012.5017
55 mm	64208.0012.5018
60 mm	64208.0012.5019
65 mm	64208.0012.5020
70 mm	64208.0012.5021
75 mm	64208.0012.5022
80 mm	64208.0012.5023
85 mm	64208.0012.5024
90 mm	64208.0012.5025
95 mm	64208.0012.5026
100 mm	64208.0012.5027

Standard length	Part number
200 mm	64208.0012.5028
275 mm	64208.0012.5029
300 mm	64208.0012.5016
515 mm	64208.0012.5031
1025 mm sect.	64208.0012.5030



F max 30° = 250 kN/m



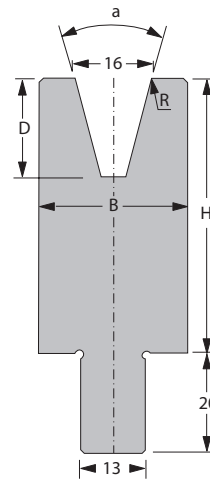
20.6 kg/m



Die insert 13 mm



V16C/30° H55



[R] Radius (mm)*	2
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	30
[D] Depth (mm)	20.5

*other radius on request

Standard length	Part number
50 mm	64208.0016.5001
55 mm	64208.0016.5002
60 mm	64208.0016.5003
65 mm	64208.0016.5004
70 mm	64208.0016.5005
75 mm	64208.0016.5006
80 mm	64208.0016.5007
85 mm	64208.0016.5008
90 mm	64208.0016.5009
95 mm	64208.0016.5010
100 mm	64208.0016.5011

Standard length	Part number
200 mm	64208.0016.5012
275 mm	64208.0016.5013
300 mm	64208.0016.5014
515 mm	64208.0016.5015
1025 mm sect.	64208.0016.5000



F max 30° = 250 kN/m



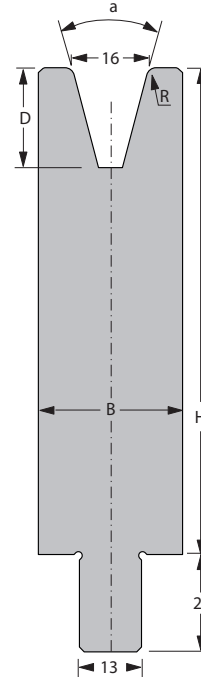
13.3 kg/m



Die insert 13 mm



V16C/30° H100



[R] Radius (mm)*	2
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	30
[D] Depth (mm)	20.5

*other radius on request

Standard length	Part number
50 mm	64208.0016.5016
55 mm	64208.0016.5017
60 mm	64208.0016.5018
65 mm	64208.0016.5019
70 mm	64208.0016.5020
75 mm	64208.0016.5021
80 mm	64208.0016.5022
85 mm	64208.0016.5023
90 mm	64208.0016.5024
95 mm	64208.0016.5025
100 mm	64208.0016.5026

Standard length	Part number
200 mm	64208.0016.5027
275 mm	64208.0016.5028
300 mm	64208.0016.5029
515 mm	64208.0016.5030
1025 mm sect.	64208.0016.5040



F max 30° = 250 kN/m



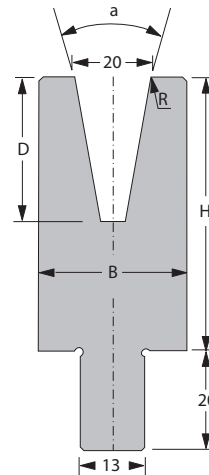
23.9 kg/m



Die insert 13 mm



V20C/30° H55



[R] Radius (mm)*	2.5
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	30
[D] Depth (mm)	28

*other radius on request

Standard length	Part number
50 mm	64208.0020.5001
55 mm	64208.0020.5002
60 mm	64208.0020.5003
65 mm	64208.0020.5004
70 mm	64208.0020.5005
75 mm	64208.0020.5006
80 mm	64208.0020.5007
85 mm	64208.0020.5008
90 mm	64208.0020.5009
95 mm	64208.0020.5010
100 mm	64208.0020.5011

Standard length	Part number
200 mm	64208.0020.5012
275 mm	64208.0020.5013
300 mm	64208.0020.5014
515 mm	64208.0020.5015
1025 mm sect.	64208.0020.5000



F max 30° = 150 kN/m



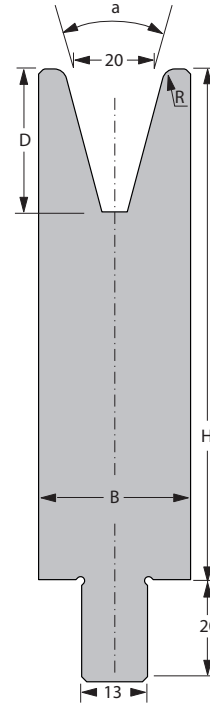
12.2 kg/m



Die insert 13 mm



V20C/30° H100



[R] Radius (mm)*	2.5
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	30
[D] Depth (mm)	28

*other radius on request

Standard length	Part number
50 mm	64208.0020.5017
55 mm	64208.0020.5018
60 mm	64208.0020.5019
65 mm	64208.0020.5020
70 mm	64208.0020.5021
75 mm	64208.0020.5022
80 mm	64208.0020.5023
85 mm	64208.0020.5024
90 mm	64208.0020.5025
95 mm	64208.0020.5026
100 mm	64208.0020.5027

Standard length	Part number
200 mm	64208.0020.5028
275 mm	64208.0020.5029
300 mm	64208.0020.5016
515 mm	64208.0020.5031
1025 mm sect.	64208.0020.5030



F max 30° = 150 kN/m



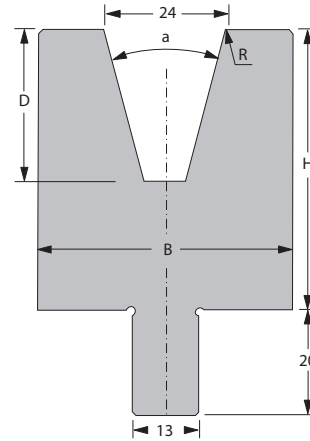
22.8 kg/m



Die insert 13 mm



V24C/30° H55



[R] Radius (mm)*	3
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	40
[D] Depth (mm)	29.8

*other radius on request

Standard length	Part number
50 mm	64208.0024.5001
55 mm	64208.0024.5002
60 mm	64208.0024.5003
65 mm	64208.0024.5004
70 mm	64208.0024.5005
75 mm	64208.0024.5006
80 mm	64208.0024.5007
85 mm	64208.0024.5008
90 mm	64208.0024.5009
95 mm	64208.0024.5010
100 mm	64208.0024.5011

Standard length	Part number
200 mm	64208.0024.5012
275 mm	64208.0024.5013
300 mm	64208.0024.5014
515 mm	64208.0024.5015
1025 mm sect.	64208.0024.5000



F max 30° = 300 kN/m



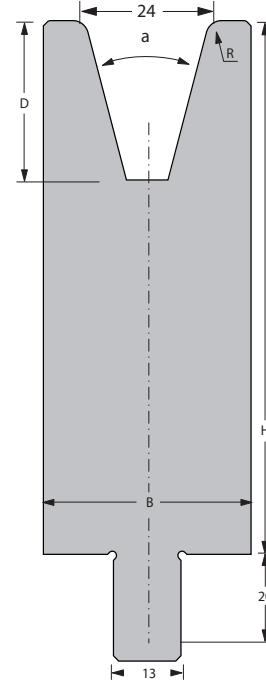
15.5 kg/m



Die insert 13 mm



V24C/30° H100



[R] Radius (mm)*	3
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	40
[D] Depth (mm)	29.8

*other radius on request

Standard length	Part number
50 mm	64208.0024.5016
55 mm	64208.0024.5017
60 mm	64208.0024.5018
65 mm	64208.0024.5019
70 mm	64208.0024.5020
75 mm	64208.0024.5021
80 mm	64208.0024.5022
85 mm	64208.0024.5023
90 mm	64208.0024.5024
95 mm	64208.0024.5025
100 mm	64208.0024.5026

Standard length	Part number
200 mm	64208.0024.5027
275 mm	64208.0024.5028
300 mm	64208.0024.5029
515 mm	64208.0024.5030
1025 mm sect.	64208.0024.5031



F max 30° = 300 kN/m



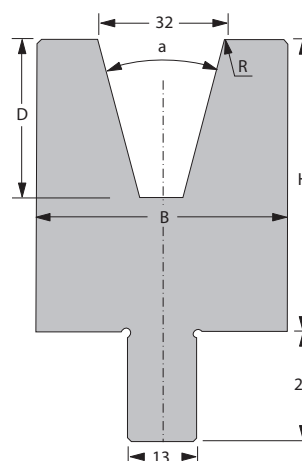
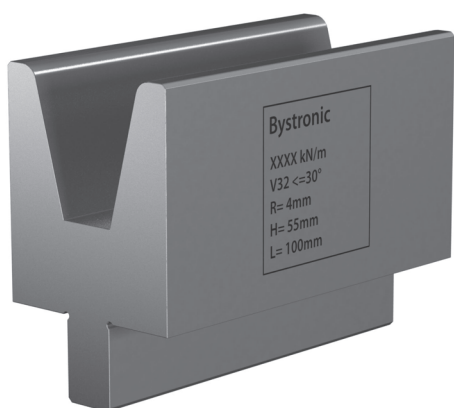
29.6 kg/m



Die insert 13 mm



V32C/30° H55



[R] Radius (mm)*	4
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	48
[D] Depth (mm)	33.6

*other radius on request

Standard length	Part number
50 mm	64208.0032.5001
55 mm	64208.0032.5002
60 mm	64208.0032.5003
65 mm	64208.0032.5004
70 mm	64208.0032.5005
75 mm	64208.0032.5006
80 mm	64208.0032.5007
85 mm	64208.0032.5008
90 mm	64208.0032.5009
95 mm	64208.0032.5010
100 mm	64208.0032.5011

Standard length	Part number
200 mm	64208.0032.5012
275 mm	64208.0032.5013
300 mm	64208.0032.5014
515 mm	64208.0032.5015
1025 mm sect.	64208.0032.5000



F max 30° = 300 kN/m



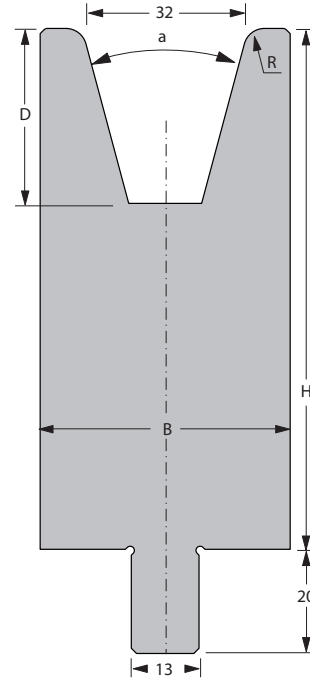
16.7 kg/m



Die insert 13 mm



V32C/30° H100



[R] Radius (mm)*	4
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	48
[D] Depth (mm)	33.6

*other radius on request

Standard length	Part number
50 mm	64208.0032.5017
55 mm	64208.0032.5018
60 mm	64208.0032.5019
65 mm	64208.0032.5020
70 mm	64208.0032.5021
75 mm	64208.0032.5022
80 mm	64208.0032.5023
85 mm	64208.0032.5024
90 mm	64208.0032.5025
95 mm	64208.0032.5026
100 mm	64208.0032.5027

Standard length	Part number
200 mm	64208.0032.5028
275 mm	64208.0032.5029
300 mm	64208.0032.5016
515 mm	64208.0032.5031
1025 mm sect.	64208.0032.5030



F max 30° = 300 kN/m



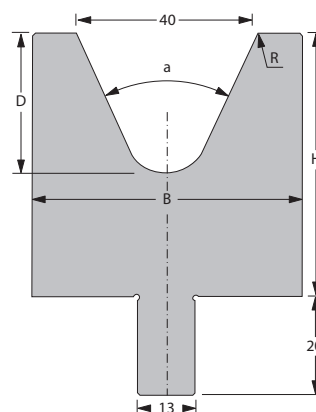
33.7 kg/m



Die insert 13 mm



V40C/60° H55



[R] Radius (mm)*	5
[a] V - Angle	60°
[H] Height (mm)	55

[B] Width (mm)	55
[D] Depth (mm)	29.6

*other radius on request

Standard length	Part number
50 mm	64208.0040.5001
55 mm	64208.0040.5002
60 mm	64208.0040.5003
65 mm	64208.0040.5004
70 mm	64208.0040.5005
75 mm	64208.0040.5006
80 mm	64208.0040.5007
85 mm	64208.0040.5008
90 mm	64208.0040.5009
95 mm	64208.0040.5010
100 mm	64208.0040.5011

Standard length	Part number
200 mm	64208.0040.5012
275 mm	64208.0040.5013
300 mm	64208.0040.5014
515 mm	64208.0040.5015
1025 mm sect.	64208.0040.5000



F max 60° = 1800 kN/m



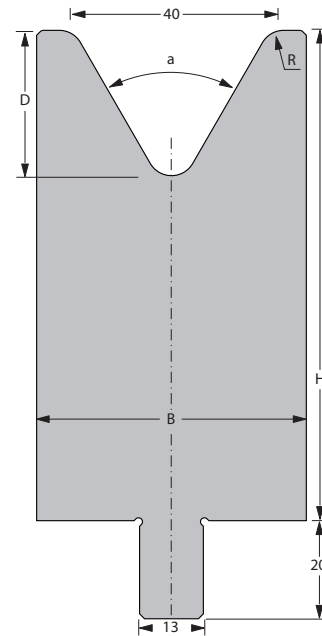
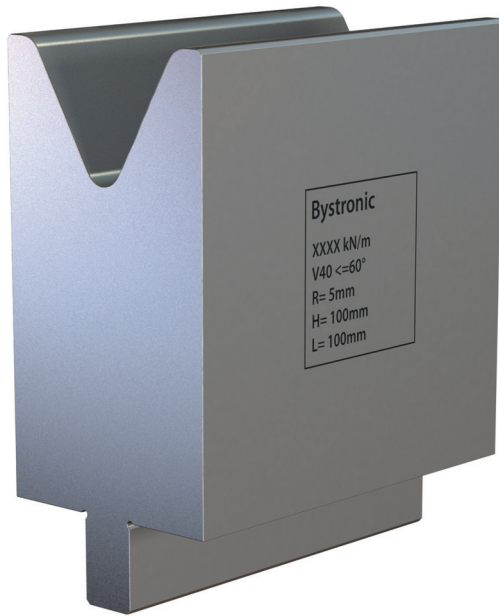
20.5 kg/m



Die insert 13 mm



V40C/60° H100



[R] Radius (mm)*	5
[a] V - Angle	60°
[H] Height (mm)	100

[B] Width (mm)	55
[D] Depth (mm)	29.6

*other radius on request

Standard length	Part number
50 mm	64208.0040.5017
55 mm	64208.0040.5018
60 mm	64208.0040.5019
65 mm	64208.0040.5020
70 mm	64208.0040.5021
75 mm	64208.0040.5022
80 mm	64208.0040.5023
85 mm	64208.0040.5024
90 mm	64208.0040.5025
95 mm	64208.0040.5026
100 mm	64208.0040.5027

Standard length	Part number
200 mm	64208.0040.5028
275 mm	64208.0040.5029
300 mm	64208.0040.5016
515 mm	64208.0040.5031
1025 mm sect.	64208.0040.5030



F max 60° = 1300 kN/m



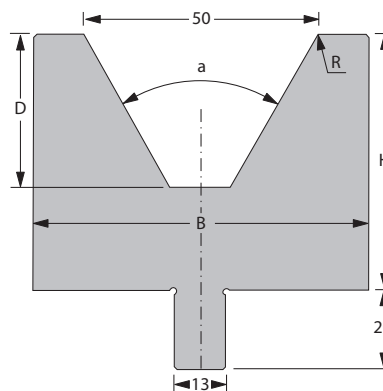
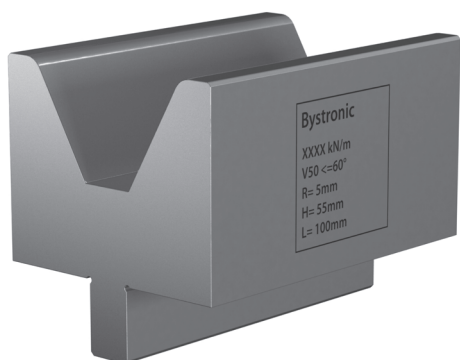
39.9 kg/m



Die insert 13 mm



V50C/60° H55



[R] Radius (mm)*	5
[a] V - Angle	60°
[H] Height (mm)	55

[B] Width (mm)	70
[D] Depth (mm)	30.3

*other radius on request

Standard length	Part number
50 mm	64208.0050.5001
55 mm	64208.0050.5002
60 mm	64208.0050.5003
65 mm	64208.0050.5004
70 mm	64208.0050.5005
75 mm	64208.0050.5006
80 mm	64208.0050.5007
85 mm	64208.0050.5008
90 mm	64208.0050.5009
95 mm	64208.0050.5010
100 mm	64208.0050.5011

Standard length	Part number
200 mm	64208.0050.5012
275 mm	64208.0050.5013
300 mm	64208.0050.5014
515 mm	64208.0050.5015
1025 mm sect.	64208.0050.5000



F max 60° = 1200 kN/m



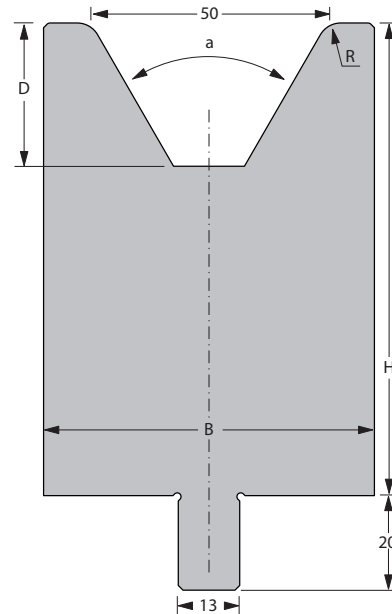
24.5 kg/m



Die insert 13 mm



V50C/60° H100



[R] Radius (mm)*	5
[a] V - Angle	60°
[H] Height (mm)	100

[B] Width (mm)	70
[D] Depth (mm)	30.3

*other radius on request

Standard length	Part number
50 mm	64208.0050.5016
55 mm	64208.0050.5017
60 mm	64208.0050.5018
65 mm	64208.0050.5019
70 mm	64208.0050.5020
75 mm	64208.0050.5021
80 mm	64208.0050.5022
85 mm	64208.0050.5023
90 mm	64208.0050.5024
95 mm	64208.0050.5025
100 mm	64208.0050.5026

Standard length	Part number
200 mm	64208.0050.5027
275 mm	64208.0050.5028
300 mm	64208.0050.5029
515 mm	64208.0050.5031
1025 mm sect.	64208.0050.5030



F max 60° = 2000 kN/m



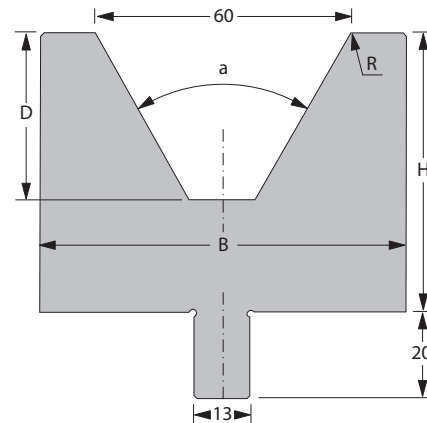
49.2 kg/m



Die insert 13 mm



V60C/60° H65



[R] Radius (mm)*	7
[a] V - Angle	60°
[H] Height (mm)	65

[B] Width (mm)	80
[D] Depth (mm)	39

*other radius on request

Standard length	Part number
50 mm	64208.0060.5001
55 mm	64208.0060.5002
60 mm	64208.0060.5003
65 mm	64208.0060.5004
70 mm	64208.0060.5005
75 mm	64208.0060.5006
80 mm	64208.0060.5007
85 mm	64208.0060.5008
90 mm	64208.0060.5009
95 mm	64208.0060.5010
100 mm	64208.0060.5011

Standard length	Part number
200 mm	64208.0060.5012
275 mm	64208.0060.5013
300 mm	64208.0060.5014
515 mm	64208.0060.5031
1025 mm sect.	64208.0060.5000



F max 60° = 1600 kN/m



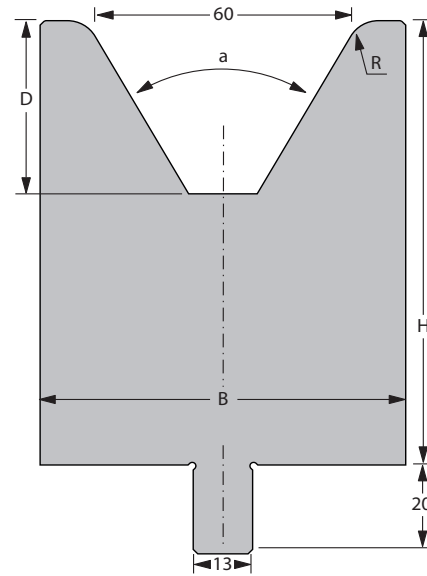
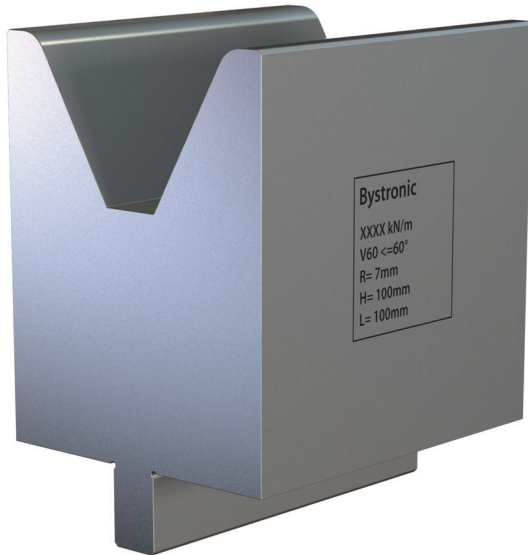
31.4 kg/m



Die insert 13 mm



V60C/60° H100



[R] Radius (mm)*	7
[a] V - Angle	60°
[H] Height (mm)	100

[B] Width (mm)	80
[D] Depth (mm)	39

*other radius on request

Standard length	Part number
50 mm	64208.0060.5016
55 mm	64208.0060.5017
60 mm	64208.0060.5018
65 mm	64208.0060.5019
70 mm	64208.0060.5020
75 mm	64208.0060.5021
80 mm	64208.0060.5022
85 mm	64208.0060.5023
90 mm	64208.0060.5024
95 mm	64208.0060.5025
100 mm	64208.0060.5026

Standard length	Part number
200 mm	64208.0060.5015
275 mm	64208.0060.5027
300 mm	64208.0060.5028
1025 mm sect.	64208.0060.5030



F max 60° = 2000 kN/m



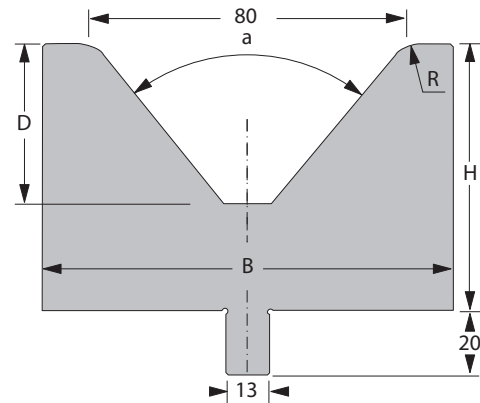
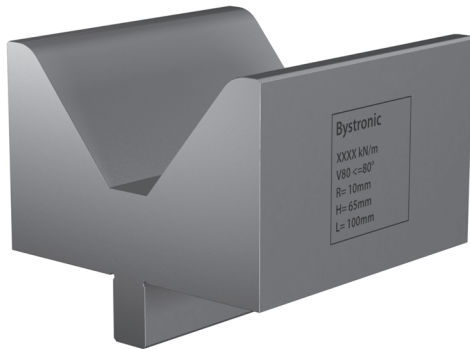
53.4 kg/m



Die insert 13 mm



V80C/80° H65



[R] Radius (mm)*	10
[a] V - Angle	80°
[H] Height (mm)	65

[B] Width (mm)	100
[D] Depth (mm)	38.7

*other radius on request

Standard length	Part number
50 mm	64208.0080.5001
55 mm	64208.0080.5002
60 mm	64208.0080.5003
65 mm	64208.0080.5004
70 mm	64208.0080.5005
75 mm	64208.0080.5006
80 mm	64208.0080.5007
85 mm	64208.0080.5008
90 mm	64208.0080.5009
95 mm	64208.0080.5010
100 mm	64208.0080.5011

Standard length	Part number
200 mm	64208.0080.5012
275 mm	64208.0080.5013
300 mm	64208.0080.5014
515 mm	64208.0080.5029
1025 mm sect.	64208.0080.5000



F max 80° = 1400 kN/m



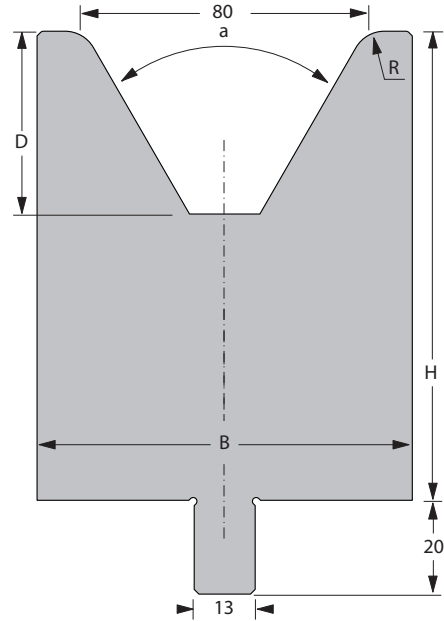
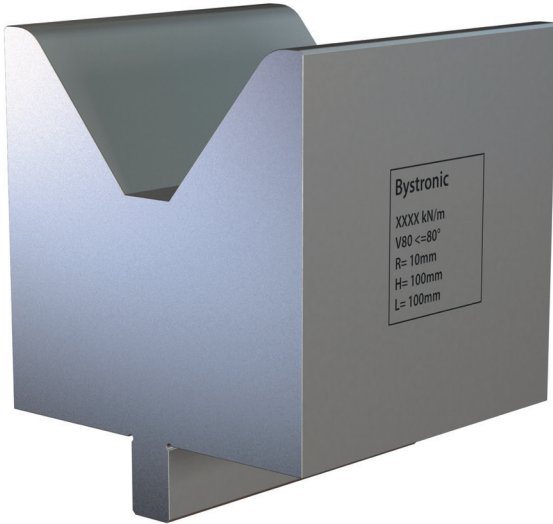
38.6 kg/m



Die insert 13 mm



V80C/80° H100



[R] Radius (mm)*	10
[a] V - Angle	80°
[H] Height (mm)	100

[B] Width (mm)	100
[D] Depth (mm)	38.7

*other radius on request

Standard length	Part number
50 mm	64208.0080.5015
55 mm	64208.0080.5016
60 mm	64208.0080.5017
65 mm	64208.0080.5018
70 mm	64208.0080.5019
75 mm	64208.0080.5020
80 mm	64208.0080.5021
85 mm	64208.0080.5022
90 mm	64208.0080.5023
95 mm	64208.0080.5024
100 mm	64208.0080.5025

Standard length	Part number
200 mm	64208.0080.5026
275 mm	64208.0080.5027
300 mm	64208.0080.5028
1025 mm sect.	64208.0080.5030



F max 80° = 1400 kN/m



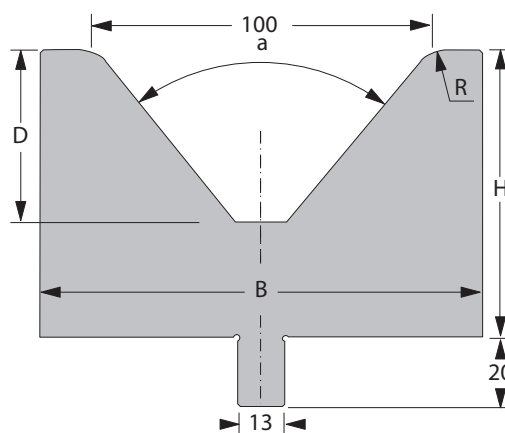
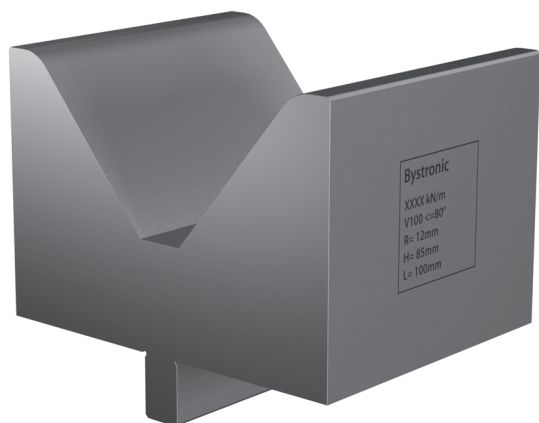
66.0 kg/m



Die insert 13 mm



V100C/80° H85



[R] Radius (mm)*	12
[a] V - Angle	80°
[H] Height (mm)	85

[B] Width (mm)	125
[D] Depth (mm)	50.5

*other radius on request

Standard length	Part number
50 mm	64208.0100.5001
55 mm	64208.0100.5002
60 mm	64208.0100.5003
65 mm	64208.0100.5004
70 mm	64208.0100.5005
75 mm	64208.0100.5006
80 mm	64208.0100.5007
85 mm	64208.0100.5008
90 mm	64208.0100.5009
95 mm	64208.0100.5010
100 mm	64208.0100.5011

Standard length	Part number
200 mm	64208.0100.5012
275 mm	64208.0100.5013
300 mm	64208.0100.5014
1025 mm sect.	64208.0100.5000



F max 80° = 1800 kN/m



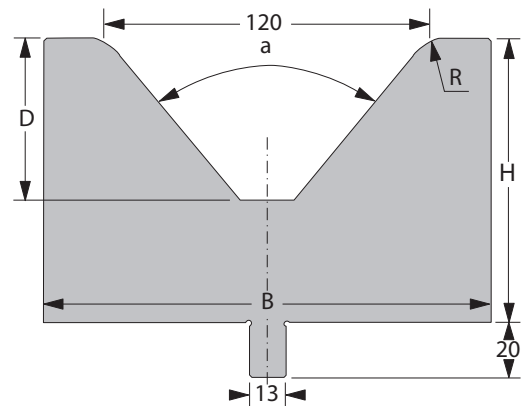
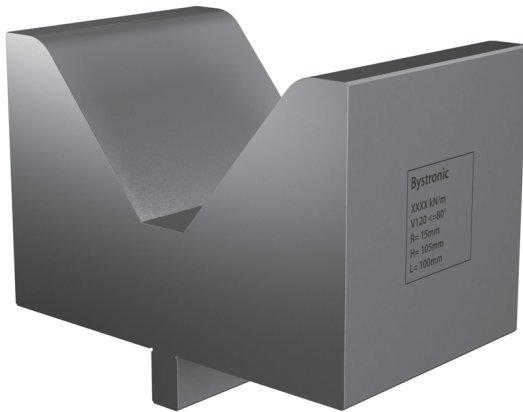
60.5 kg/m



Die insert 13 mm



V120C/80° H105



[R] Radius (mm)*	15
[a] V - Angle	80°
[H] Height (mm)	105

[B] Width (mm)	160
[D] Depth (mm)	59.5

*other radius on request

Standard length	Part number
50 mm	64208.0120.5001
55 mm	64208.0120.5002
60 mm	64208.0120.5003
65 mm	64208.0120.5004
70 mm	64208.0120.5005
75 mm	64208.0120.5006
80 mm	64208.0120.5007
85 mm	64208.0120.5008
90 mm	64208.0120.5009
95 mm	64208.0120.5010
100 mm	64208.0120.5011

Standard length	Part number
200 mm	64208.0120.5012
275 mm	64208.0120.5013
300 mm	64208.0120.5014
1025 mm sect.	64208.0120.5000



F max 80° = 2000 kN/m



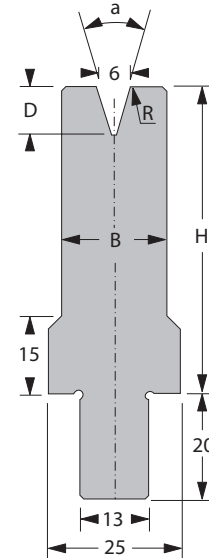
101.0 kg/m



Die insert 13 mm



V6SC/30° H55



[R] Radius (mm)*	0.75
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	12
[D] Depth (mm)	9.3

*other radius on request

Standard length	Part number
50 mm	64208.0006.5101
55 mm	64208.0006.5102
60 mm	64208.0006.5103
65 mm	64208.0006.5104
70 mm	64208.0006.5105
75 mm	64208.0006.5106
80 mm	64208.0006.5107
85 mm	64208.0006.5108
90 mm	64208.0006.5109
95 mm	64208.0006.5110
100 mm	64208.0006.5111

Standard length	Part number
200 mm	64208.0006.5112
275 mm	64208.0006.5113
300 mm	64208.0006.5114
515 mm	64208.0006.5115
1025 mm sect.	64208.0006.5100



F max 30° = 100 kN/m



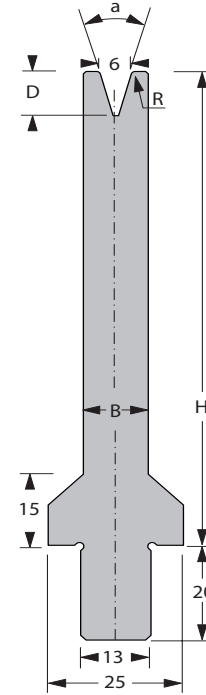
8.1 kg/m



Die insert 13 mm



V6SC/30° H100



[R] Radius (mm)*	0.75
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	12
[D] Depth (mm)	9.3

*other radius on request

Standard length	Part number
50 mm	64208.0006.5151
55 mm	64208.0006.5152
60 mm	64208.0006.5153
65 mm	64208.0006.5154
70 mm	64208.0006.5155
75 mm	64208.0006.5156
80 mm	64208.0006.5157
85 mm	64208.0006.5158
90 mm	64208.0006.5159
95 mm	64208.0006.5160
100 mm	64208.0006.5161

Standard length	Part number
200 mm	64208.0006.5162
275 mm	64208.0006.5163
300 mm	64208.0006.5164
515 mm	64208.0006.5165
1025 mm sect.	64208.0006.5150



F max 30° = 100 kN/m



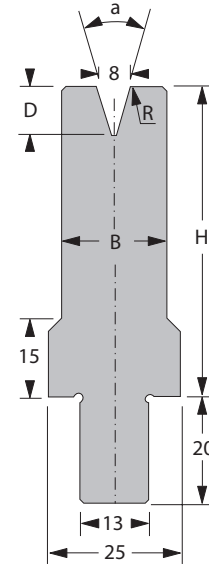
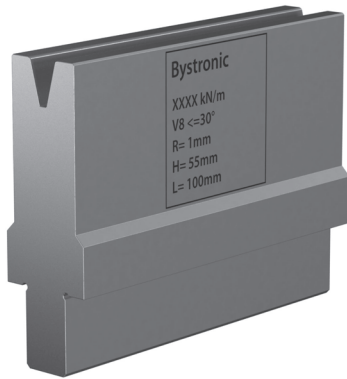
12.3 kg/m



Die insert 13 mm



V8SC/30° H55



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	14
[D] Depth (mm)	11.2

*other radius on request

Standard length	Part number
50 mm	64208.0008.5102
55 mm	64208.0008.5103
60 mm	64208.0008.5104
65 mm	64208.0008.5105
70 mm	64208.0008.5106
75 mm	64208.0008.5107
80 mm	64208.0008.5108
85 mm	64208.0008.5109
90 mm	64208.0008.5110
95 mm	64208.0008.5111
100 mm	64208.0008.5112

Standard length	Part number
200 mm	64208.0008.5113
275 mm	64208.0008.5114
300 mm	64208.0008.5115
515 mm	64208.0008.5116
1025 mm sect.	64208.0008.5100



F max 30° = 100 kN/m



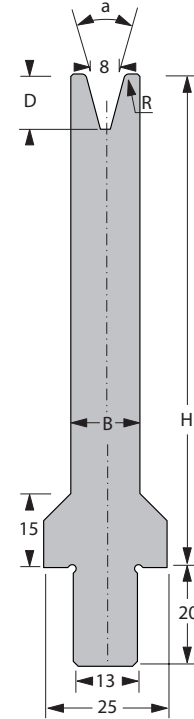
8.7 kg/m



Die insert 13 mm



V8SC/30° H100



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	14
[D] Depth (mm)	11.2

*other radius on request

Standard length	Part number
50 mm	64208.0008.5151
55 mm	64208.0008.5152
60 mm	64208.0008.5153
65 mm	64208.0008.5154
70 mm	64208.0008.5155
75 mm	64208.0008.5156
80 mm	64208.0008.5157
85 mm	64208.0008.5158
90 mm	64208.0008.5159
95 mm	64208.0008.5160
100 mm	64208.0008.5161

Standard length	Part number
200 mm	64208.0008.5162
275 mm	64208.0008.5163
300 mm	64208.0008.5164
515 mm	64208.0008.5166
1025 mm sect.	64208.0008.5150



F max 30° = 1000 kN/m



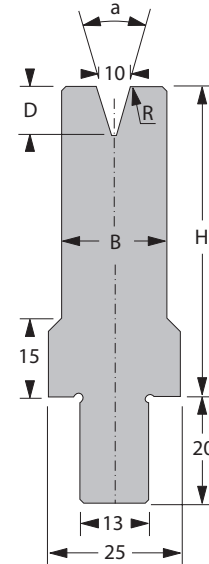
13.7 kg/m



Die insert 13 mm



V10SC/30° H55



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	16
[D] Depth (mm)	14.9

*other radius on request

Standard length	Part number
50 mm	64208.0010.5101
55 mm	64208.0010.5102
60 mm	64208.0010.5103
65 mm	64208.0010.5104
70 mm	64208.0010.5105
75 mm	64208.0010.5106
80 mm	64208.0010.5107
85 mm	64208.0010.5108
90 mm	64208.0010.5109
95 mm	64208.0010.5110
100 mm	64208.0010.5111

Standard length	Part number
200 mm	64208.0010.5112
275 mm	64208.0010.5113
300 mm	64208.0010.5114
515 mm	64208.0010.5115
1025 mm sect.	64208.0010.5100



F max 30° = 100 kN/m



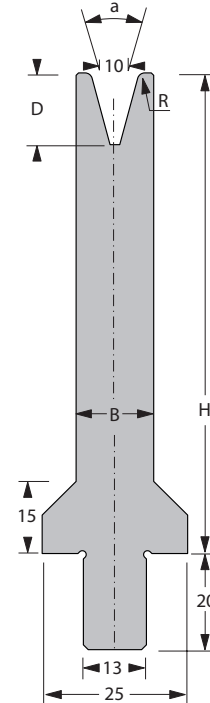
9.1 kg/m



Die insert 13 mm



V10SC/30° H100



[R] Radius (mm)*	1
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	16
[D] Depth (mm)	14.9

*other radius on request

Standard length	Part number
50 mm	64208.0010.5117
55 mm	64208.0010.5118
60 mm	64208.0010.5119
65 mm	64208.0010.5120
70 mm	64208.0010.5121
75 mm	64208.0010.5122
80 mm	64208.0010.5123
85 mm	64208.0010.5124
90 mm	64208.0010.5125
95 mm	64208.0010.5126
100 mm	64208.0010.5127

Standard length	Part number
200 mm	64208.0010.5128
275 mm	64208.0010.5129
300 mm	64208.0010.5130
515 mm	64208.0010.5131
1025 mm sect.	64208.0010.5116



F max 30° = 100 kN/m



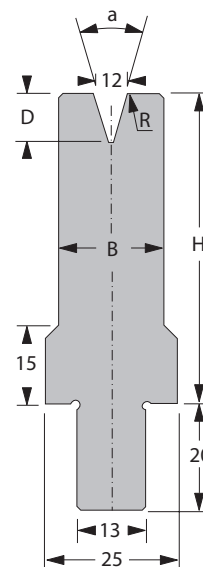
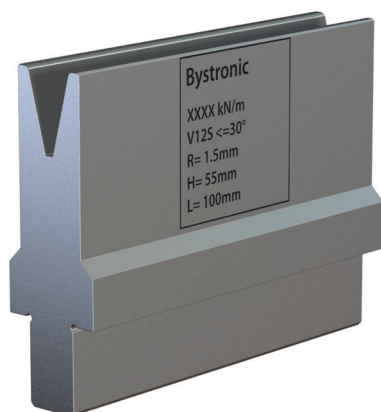
14.7 kg/m



Die insert 13 mm



V12SC/30° H55



[R] Radius (mm)*	1.5
[a] V - Angle	30°
[H] Height (mm)	55

[B] Width (mm)	18
[D] Depth (mm)	18.6

*other radius on request

Standard length	Part number
50 mm	64208.0012.5101
55 mm	64208.0012.5102
60 mm	64208.0012.5103
65 mm	64208.0012.5104
70 mm	64208.0012.5105
75 mm	64208.0012.5106
80 mm	64208.0012.5107
85 mm	64208.0012.5108
90 mm	64208.0012.5109
95 mm	64208.0012.5110
100 mm	64208.0012.5111

Standard length	Part number
200 mm	64208.0012.5112
275 mm	64208.0012.5113
300 mm	64208.0012.5114
515 mm	64208.0012.5115
1025 mm sect.	64208.0012.5100



F max 30° = 100 kN/m



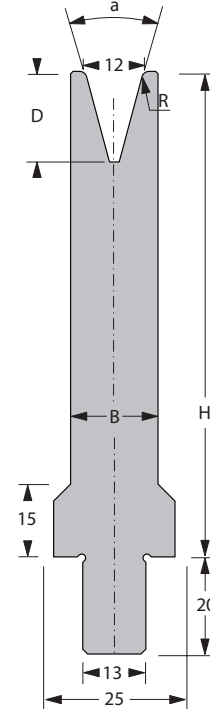
9.5 kg/m



Die insert 13 mm



V12SC/30° H100



[R] Radius (mm)*	1.5
[a] V - Angle	30°
[H] Height (mm)	100

[B] Width (mm)	18
[D] Depth (mm)	18.6

*other radius on request

Standard length	Part number
50 mm	64208.0012.5117
55 mm	64208.0012.5118
60 mm	64208.0012.5119
65 mm	64208.0012.5120
70 mm	64208.0012.5121
75 mm	64208.0012.5122
80 mm	64208.0012.5123
85 mm	64208.0012.5124
90 mm	64208.0012.5125
95 mm	64208.0012.5126
100 mm	64208.0012.5127

Standard length	Part number
200 mm	64208.0012.5128
275 mm	64208.0012.5129
300 mm	64208.0012.5130
515 mm	64208.0012.5131
1025 mm sect.	64208.0012.5116



F max 30° = 100 kN/m



15.9 kg/m

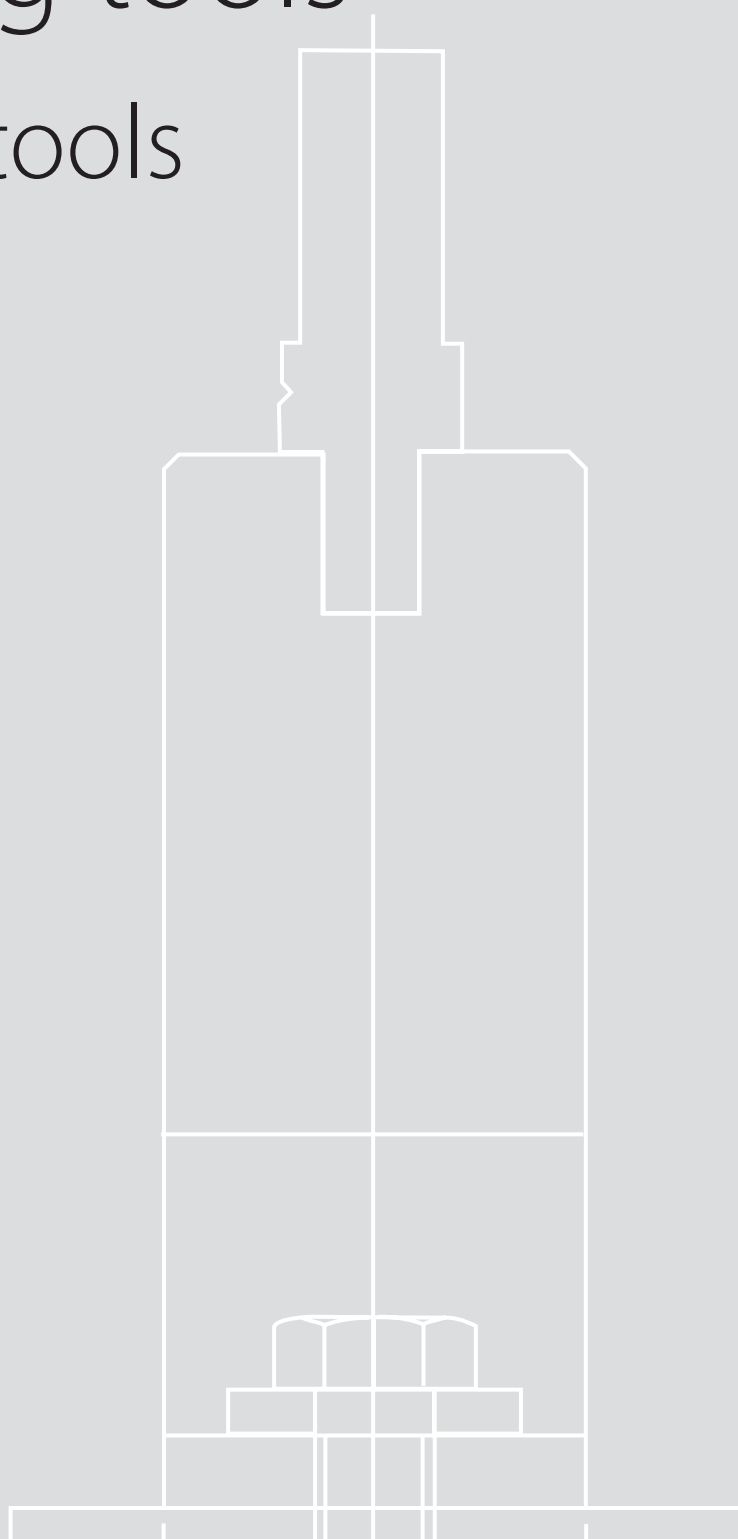


Die insert 13 mm



Hemming tools

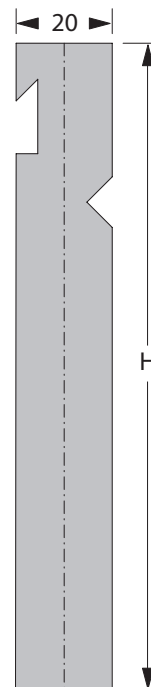
Flattening tools







P11 RF-AC H250



[B] Width (mm)	20
[H] Height (mm)	250

Standard length	Part number
30 mm	65208.0011.5001
35 mm	65208.0011.5002
40 mm	65208.0011.5003
45 mm	65208.0011.5004
50 mm	65208.0011.5005
55 mm	65208.0011.5006
60 mm	65208.0011.5007
65 mm	65208.0011.5008
70 mm	65208.0011.5009
75 mm	65208.0011.5010
80 mm	65208.0011.5011

Standard length	Part number
85 mm	65208.0011.5012
90 mm	65208.0011.5013
95 mm	65208.0011.5014
100 mm	65208.0011.5015
200 mm	65208.0011.5016
275 mm	65208.0011.5017
300 mm	65208.0011.5018
515 mm	65208.0011.5023
1175 mm sect.	65208.0011.5000



F max = 1400 kN/m



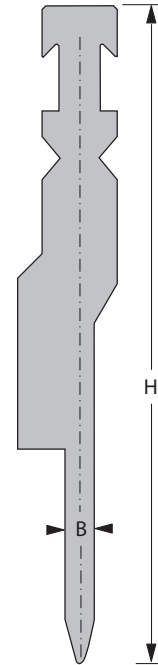
35.9 kg/m



98.0 mm



P900/8 RF-AC/30° H250



[B] Width (mm)	26.5
[H] Height (mm)	250

Standard length	Part number
30 mm	65208.0900.5002
35 mm	65208.0900.5003
40 mm	65208.0900.5004
45 mm	65208.0900.5005
50 mm	65208.0900.5006
55 mm	65208.0900.5007
60 mm	65208.0900.5008
65 mm	65208.0900.5009
70 mm	65208.0900.5010
75 mm	65208.0900.5011
80 mm	65208.0900.5012

Standard length	Part number
85 mm	65208.0900.5013
90 mm	65208.0900.5014
95 mm	65208.0900.5015
100 mm	65208.0900.5016
200 mm	65208.0900.5017
275 mm	65208.0900.5018
300 mm	65208.0900.5019
515 mm	65208.0900.5020
1175 mm sect.	65208.0900.5000



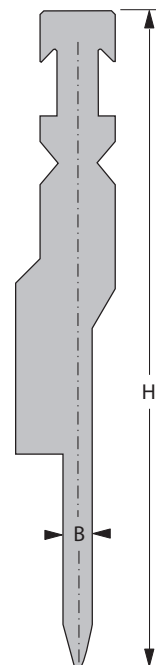
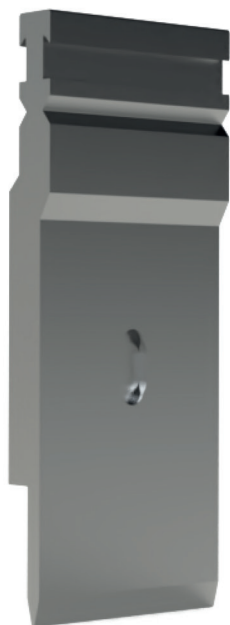
F max = 1000 kN/m



29.2 kg/m



P900/10 RF-AC/30° H250



[B] Width (mm)	26.5
[H] Height (mm)	250

Standard length	Part number
30 mm	65208.0900.5050
35 mm	65208.0900.5041
40 mm	65208.0900.5042
45 mm	65208.0900.5043
50 mm	65208.0900.5044
55 mm	65208.0900.5045
60 mm	65208.0900.5046
65 mm	65208.0900.5047
70 mm	65208.0900.5048
75 mm	65208.0900.5049
80 mm	65208.0900.5040

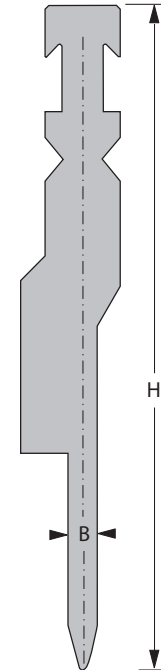
Standard length	Part number
85 mm	65208.0900.5051
90 mm	65208.0900.5052
95 mm	65208.0900.5053
100 mm	65208.0900.5054
200 mm	65208.0900.5055
275 mm	65208.0900.5056
300 mm	65208.0900.5057
515 mm	65208.0900.5058
1175 mm sect.	65208.0900.5059

F_{max} = 1000 kN/m

29.2 kg/m



P900/12 RF-AC/30° H250



[B] Width (mm)	26.5
[H] Height (mm)	250

Standard length	Part number
30 mm	65208.0900.5021
35 mm	65208.0900.5022
40 mm	65208.0900.5023
45 mm	65208.0900.5024
50 mm	65208.0900.5025
55 mm	65208.0900.5026
60 mm	65208.0900.5027
65 mm	65208.0900.5028
70 mm	65208.0900.5029
75 mm	65208.0900.5030
80 mm	65208.0900.5031

Standard length	Part number
85 mm	65208.0900.5032
90 mm	65208.0900.5033
95 mm	65208.0900.5034
100 mm	65208.0900.5035
200 mm	65208.0900.5036
275 mm	65208.0900.5037
300 mm	65208.0900.5001
515 mm	65208.0900.5038
1175 mm sect.	65208.0900.5039



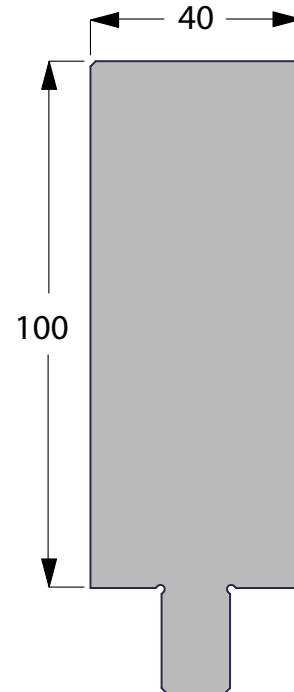
F max = 1000 kN/m



34.3 kg/m



V-Flat B40



[B] Width (mm)	40
[H] Height (mm)	100

Standard length	Part number
50 mm	64208.0000.5001
55 mm	64208.0000.5002
60 mm	64208.0000.5003
65 mm	64208.0000.5004
70 mm	64208.0000.5005
75 mm	64208.0000.5006
80 mm	64208.0000.5007
85 mm	64208.0000.5008
90 mm	64208.0000.5009
95 mm	64208.0000.5010
100 mm	64208.0000.5011

Standard length	Part number
200 mm	64208.0000.5012
275 mm	64208.0000.5013
300 mm	64208.0000.5014
515 mm	64208.0000.5015
1025 mm sect.	64208.0000.5000



$F_{\max} 30^\circ = 2000 \text{ kN/m}$



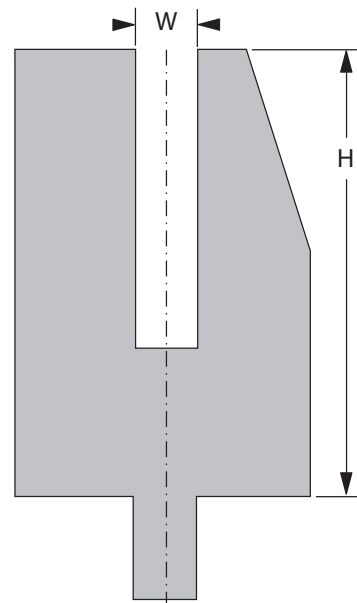
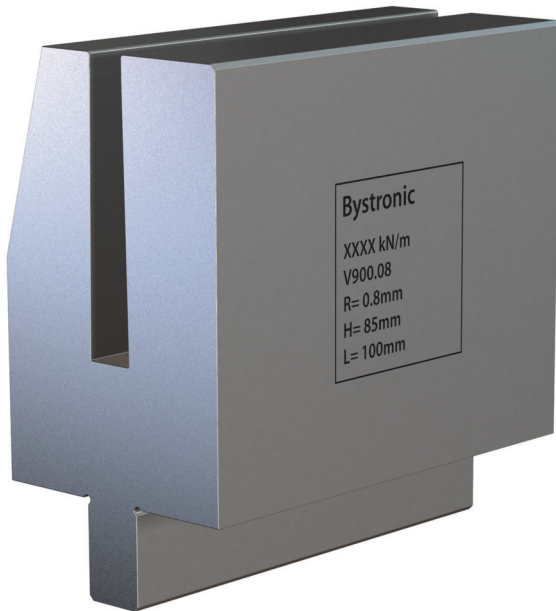
35.5 kg/m



Die insert 13 m



V900/08C



[B] Width (mm)	55
[H] Height (mm)	85

Standard length	Part number
50 mm	64208.0900.5003
55 mm	64208.0900.5004
60 mm	64208.0900.5005
65 mm	64208.0900.5006
70 mm	64208.0900.5007
75 mm	64208.0900.5008
80 mm	64208.0900.5009
85 mm	64208.0900.5010
90 mm	64208.0900.5011
95 mm	64208.0900.5012
100 mm	64208.0900.5013

Standard length	Part number
200 mm	64208.0900.5014
275 mm	64208.0900.5015
300 mm	64208.0900.5002
515 mm	64208.0900.5016
1025 mm sect.	64208.0900.5000



$F_{max} 30^\circ = 250 \text{ kN/m}$



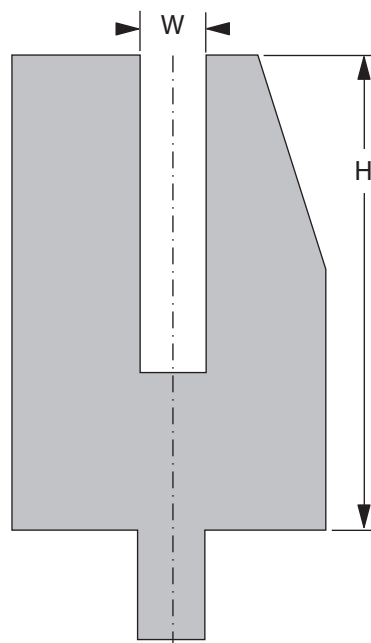
35.5 kg/m



Die insert 13 m



V900/10C



[B] Width (mm)	55
[H] Height (mm)	85

Standard length	Part number
50 mm	64208.0900.5032
55 mm	64208.0900.5033
60 mm	64208.0900.5034
65 mm	64208.0900.5047
70 mm	64208.0900.5035
75 mm	64208.0900.5036
80 mm	64208.0900.5037
85 mm	64208.0900.5038
90 mm	64208.0900.5039
95 mm	64208.0900.5040
100 mm	64208.0900.5041

Standard length	Part number
200 mm	64208.0900.5042
275 mm	64208.0900.5043
300 mm	64208.0900.5044
515 mm	64208.0900.5045
1025 mm sect.	64208.0900.5046



F max 30° = 250 kN/m



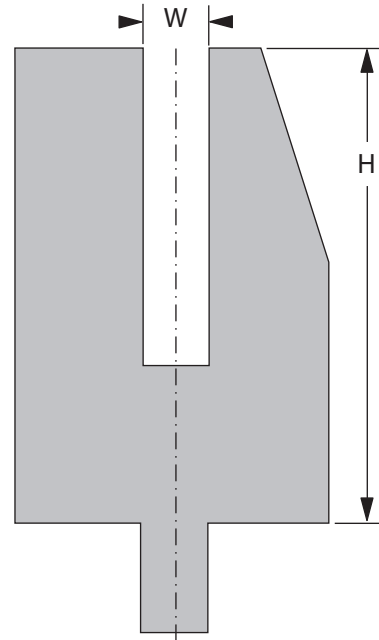
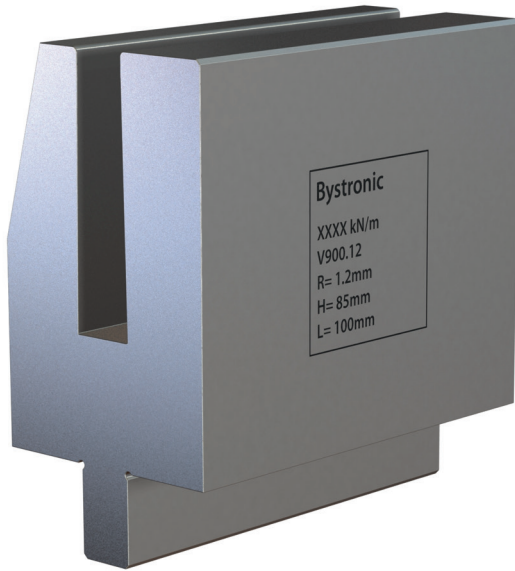
32.0 kg/m



Die insert 13 m



V900/12C



[B] Width (mm)	55
[H] Height (mm)	85

Standard length	Part number
50 mm	64208.0900.5017
55 mm	64208.0900.5018
60 mm	64208.0900.5019
65 mm	64208.0900.5020
70 mm	64208.0900.5021
75 mm	64208.0900.5022
80 mm	64208.0900.5023
85 mm	64208.0900.5024
90 mm	64208.0900.5025
95 mm	64208.0900.5026
100 mm	64208.0900.5027

Standard length	Part number
200 mm	64208.0900.5028
275 mm	64208.0900.5029
300 mm	64208.0900.5001
515 mm	64208.0900.5030
1025 mm sect.	64208.0900.5031



F max 30° = 250 kN/m



31.0 kg/m



Die insert 13 m



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