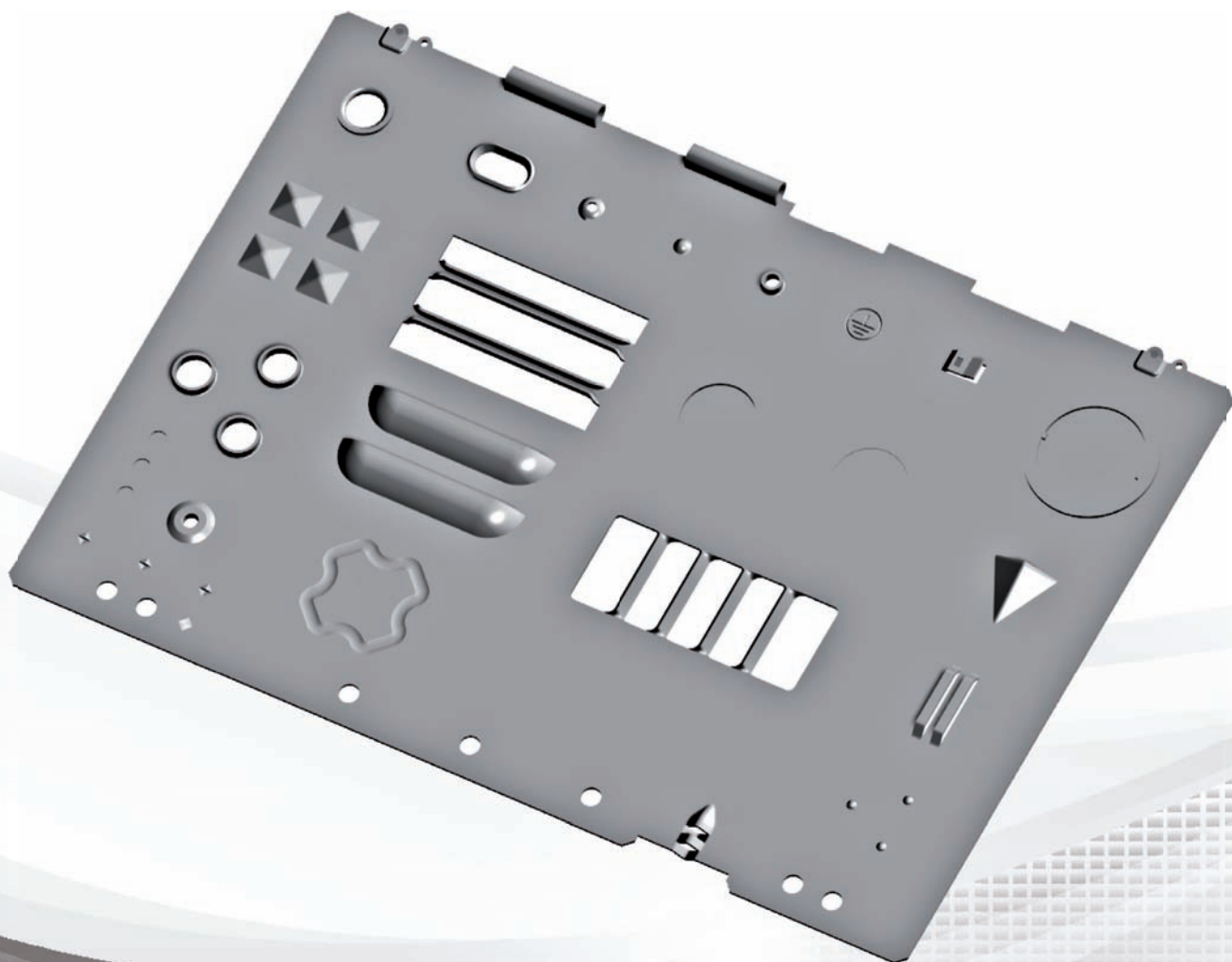
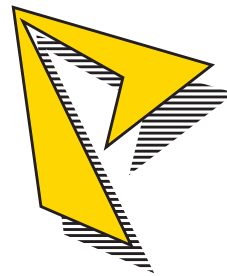


PASS STANZTECHNIK AG

Precision in Perfection



Special Tools



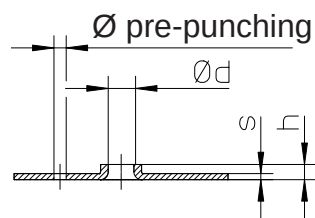
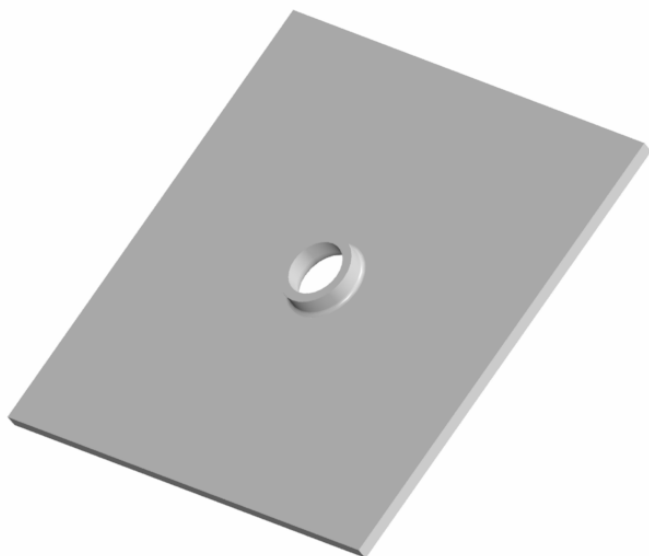


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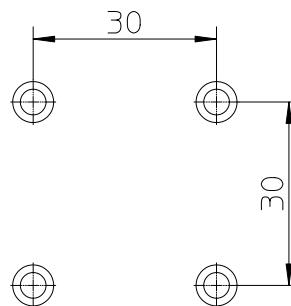
PASS Extrusion Tool	Seite	1
PASS Thread Forming Tool	Seite	2
PASS Counter Sink Tool	Seite	3
PASS Emboss Counter Sink Tool	Seite	4
PASS Louver Tool	Seite	5
PASS Continuous Louver Tool	Seite	6
PASS Continuous Beading Tool	Seite	7
PASS Continuous Offset Tool	Seite	8
PASS Continuous Bending Tool	Seite	9
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PASS Letter Marking Tool	Seite	12
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PASS Letter Marking Tool	Seite	14
PASS Ground Symbol Marking Tool	Seite	15
PASS Round Emboss Tool	Seite	16
PASS Hinge Tool Set	Seite	17
PASS Card Guide Tool	Seite	18



Extrusion Tool



please inform if smaller distances are required!



tool complete	part-no.	910100.
thread upform	add. part-no.:	Y.
thread downform	add. part-no.:	Z.
thread-forming	add. part-no.:	0F.
thread-cutting	add. part-no.:	0S.
M2,5	add. part-no.:	025.
M3	add. part-no.:	030.
M4	add. part-no.:	040.
M5	add. part-no.:	050.
M6	add. part-no.:	060.
M8	add. part-no.:	080.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
s = 2,5	add. part-no.:	25.
s = 3,0	add. part-no.:	30.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	910100. Y. 0F. 040. 10. ST

tool complete

upform

thread-cutting

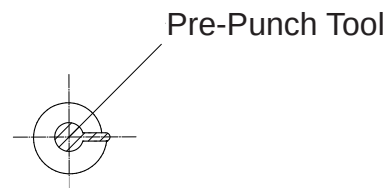
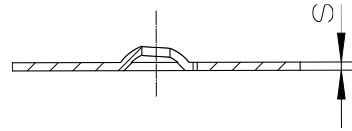
M4

s = 1,0

Mild Steel



Thread Forming Tool



Thread Forming Tool	part-no.:	911200.
Pre-Punch Tool cpl.	part-no.:	9112A0.
Thread Forming - upform	add. part-no.:	Y.
Thread Forming - downform	add. part-no.:	Z.
thread-size 3,5	add. part-no.:	035.
thread-size 3,9	add. part-no.:	039.
thread-size 4,2	add. part-no.:	042.
thread-size 4,8	add. part-no.:	048.
thread-size 5,5	add. part-no.:	055.
thread-size 6,3	add. part-no.:	063.
s = 0,5	add. part-no.:	05.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,2	add. part-no.:	12.
s = 1,5	add. part-no.:	15.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	911200. Y. 042. 08. ST

Thread Forming
Tool

upform

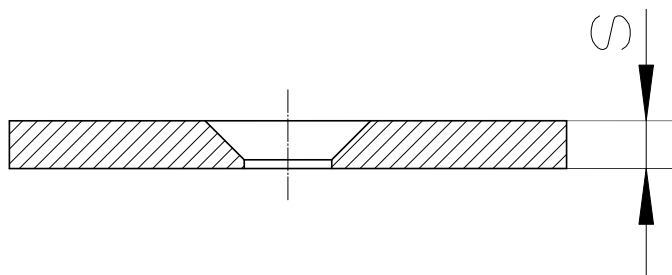
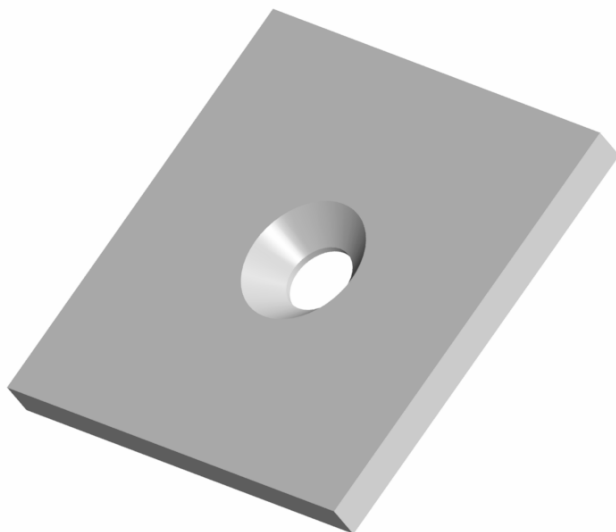
sheet-
screw 4,2

s = 0,8

Mild Steel



Counter Sink Tool

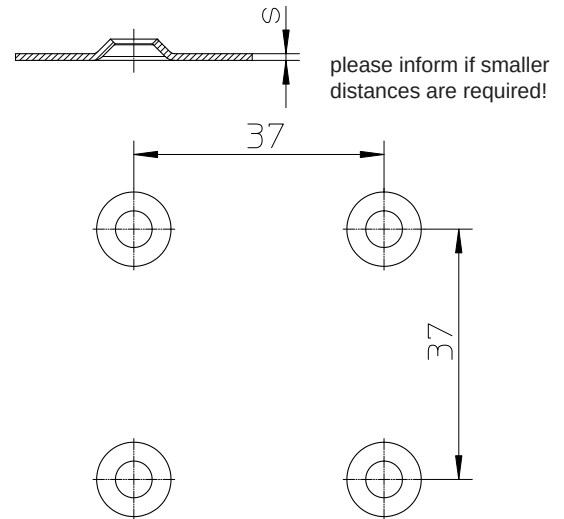
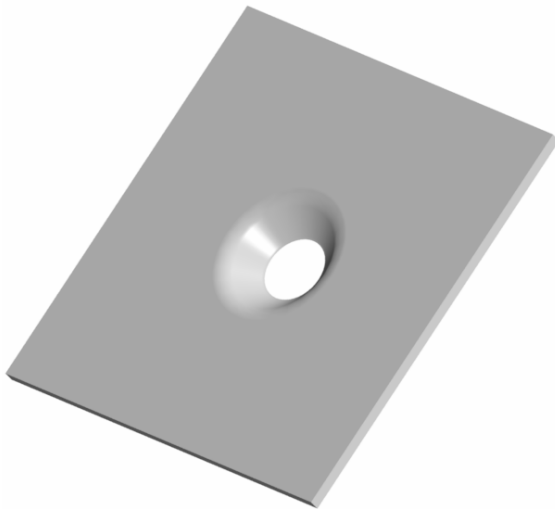


tool complete	part-no.	910900.
shape from bottom	add. part-no.:	Y.
shape from above	add. part-no.:	Z.
AM-shape	add. part-no.:	AM.
BM-shape	add. part-no.:	BM.
M2,5	add. part-no.:	025.
M3	add. part-no.:	030.
M4	add. part-no.:	040.
M5	add. part-no.:	050.
M6	add. part-no.:	060.
M8	add. part-no.:	080.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
s = 2,5	add. part-no.:	25.
s = 3,0	add. part-no.:	30.
s = 4,0	add. part-no.:	40.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	910900. Y. AM. 050. 40. AL

tool complete
from bottom
AM-
shape
M5
s = 4,0
Aluminium



Emboss Counter Sink Tool



tool complete	part-no.	911700.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
M2,5	add. part-no.:	025.
M3	add. part-no.:	030.
M4	add. part-no.:	040.
M5	add. part-no.:	050.
M6	add. part-no.:	060.
M8	add. part-no.:	080.
M10	add. part-no.:	100.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
s = 2,5	add. part-no.:	25.
s = 3,0	add. part-no.:	30.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	911700. Y. 030. 20. ST

tool complete

upform

M3

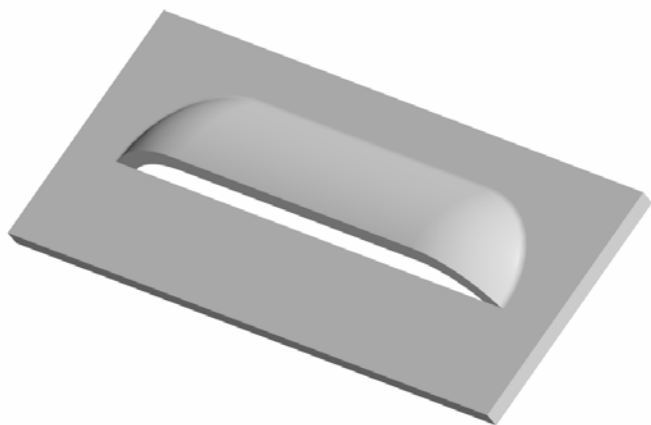
s = 2

Steel



Louver Tool

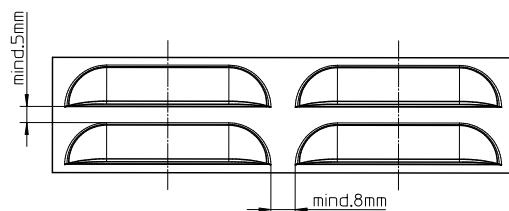
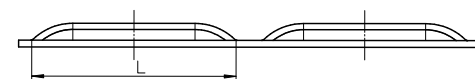
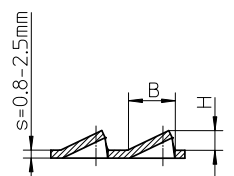
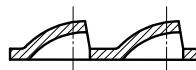
for $s = 0,8 - 2,5 \text{ mm}$



Louver shape „A“



Louver shape „B“



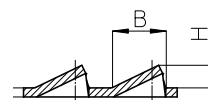
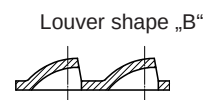
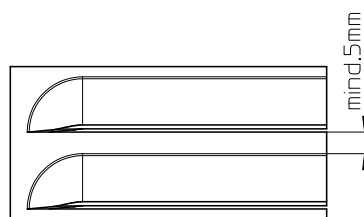
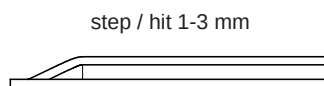
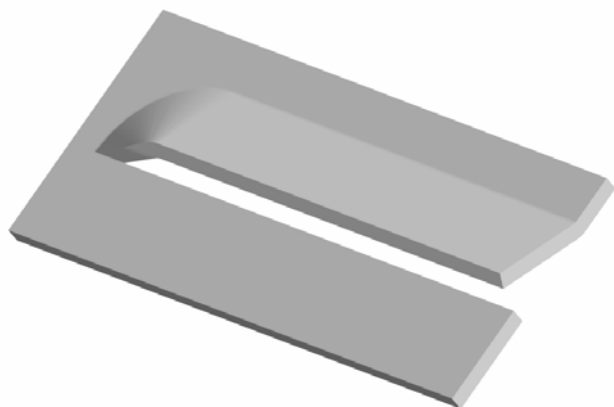
tool complete	part-no.:	912200.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
Louver shape "A"	add. part-no.:	A.
Louver shape "B"	add. part-no.:	B.
B = 8 / H = 3	add. part-no.:	083.
B = 10 / H = 4	add. part-no.:	104.
B = 12 / H = 5	add. part-no.:	125.
B = 15 / H = 6	add. part-no.:	156.
L = 40	add. part-no.:	40.
L = 50	add. part-no.:	50.
L = 60	add. part-no.:	60.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	912200. Y. A. 125. 60. ST

tool complete
upform
Louver shape
"A"
B = 12 / H = 5
L = 60
Mild Steel



Continuous Louver Tool

for $s = 0,8 - 2,5 \text{ mm}$

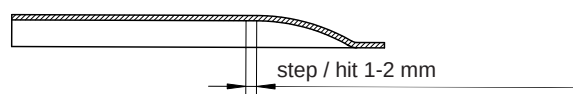
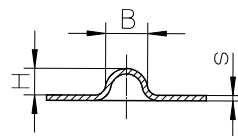
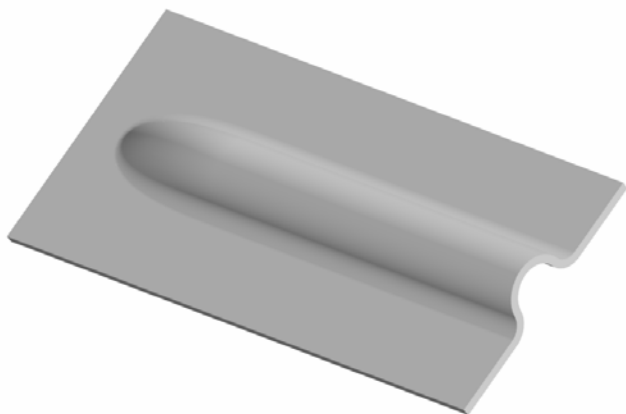


tool complete	part-no.:	912400.				
Emboss - upform	add. part-no.:	Y.				
Emboss - downform	add. part-no.:	Z.				
Louver shape "A"	add. part-no.:	A.				
Louver shape "B"	add. part-no.:	B.				
B = 8 / H = 3	add. part-no.:	083.				
B = 10 / H = 4	add. part-no.:	104.				
B = 12 / H = 5	add. part-no.:	125.				
Mild Steel	add. part-no.:	ST				
Aluminium	add. part-no.:	AL				
Stainless steel	add. part-no.:	VA				
tool example:	part-no.:	912400.	Y.	A.	125.	ST

tool complete
upform
Louver shape
"A"
B = 12 / H = 5
Mild Steel



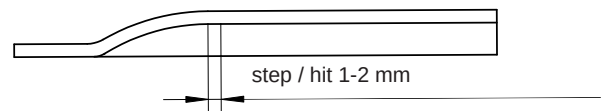
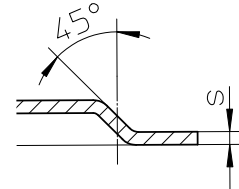
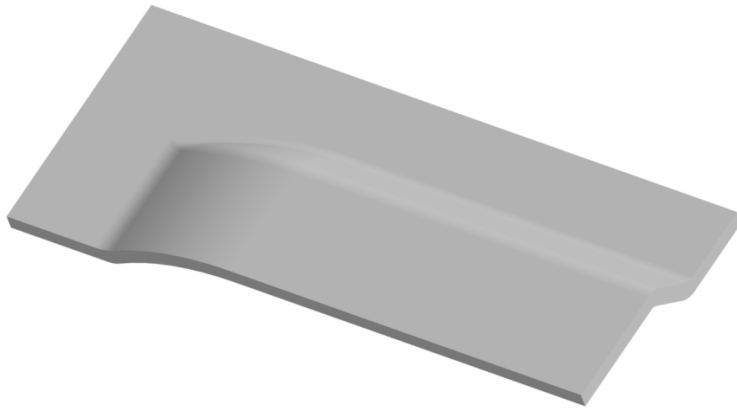
Continuous Beading Tool



tool complete	part-no.:	912600.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
B = 4 / H = 2	add. part-no.:	042.
B = 6 / H = 3	add. part-no.:	063.
B = 8 / H = 4	add. part-no.:	084.
B = 10 / H = 5	add. part-no.:	105.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
s = 2,5	add. part-no.:	25.
s = 3,0	add. part-no.:	30.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	912600. Y. 105. 10. VA
tool complete	upform	B = 10 / H = 5
		s = 1,0
		Mild Steel



Continuous Offset Tool



tool complete	part-no.:	912800.
H = 1,0	add. part-no.:	010.
H = 1,5	add. part-no.:	015.
H = 2,0	add. part-no.:	020.
H = 2,5	add. part-no.:	025.
H = 3,0	add. part-no.:	030.
H = 4,0	add. part-no.:	040.
H = 5,0	add. part-no.:	050.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
s = 2,5	add. part-no.:	25.
s = 3,0	add. part-no.:	30.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	912800. 030. 15. AL

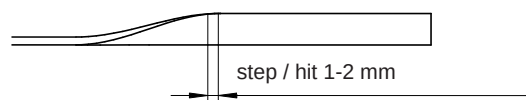
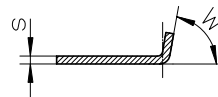
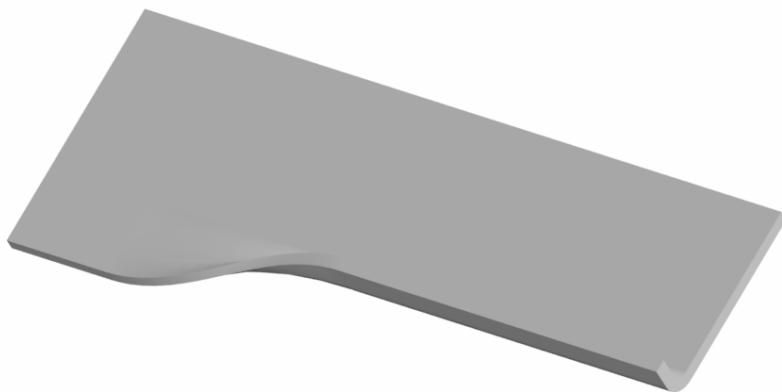
tool complete

H = 3,0

s = 1,5

Aluminium

Continuous Bending Tool

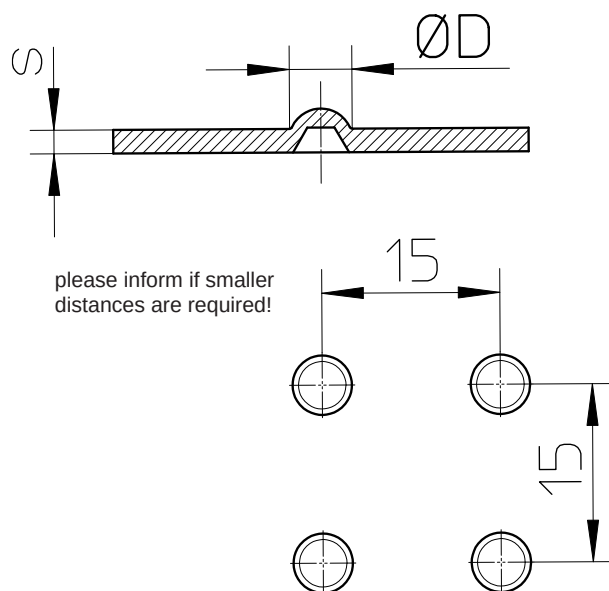
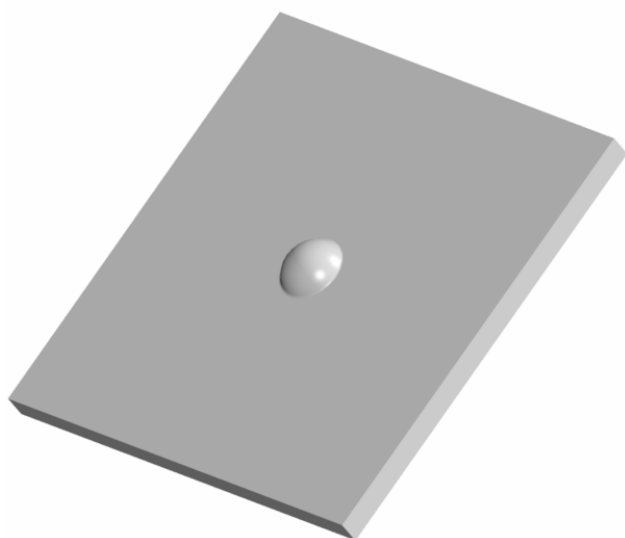


tool complete	part-no.:	912900.
Emboss - upform	add. part-no.:	Y.
W = 30°	add. part-no.:	030.
W = 45°	add. part-no.:	045.
W = 60°	add. part-no.:	060.
W = 80°	add. part-no.:	080.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	912900. Y. 060. 10. ST

tool complete
upform
angle = 60°
s = 1,0
Mild Steel



Dimple Tool



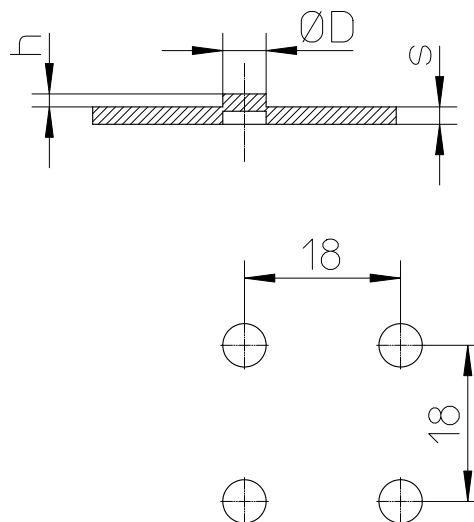
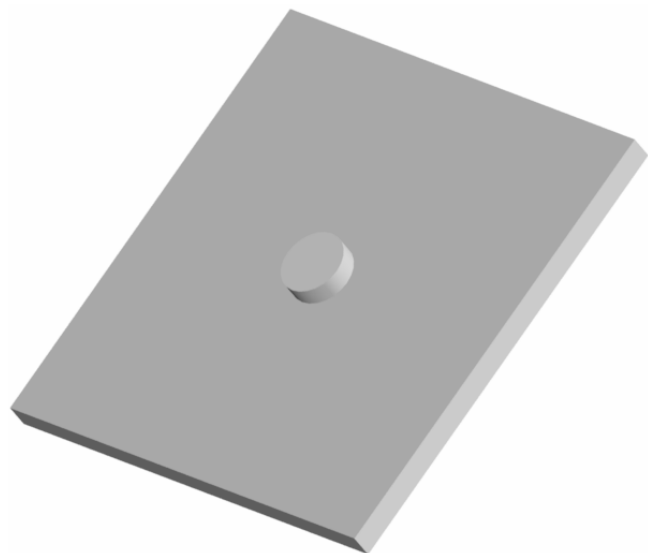
tool complete	part-no.:	911300.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
D = 1,6	add. part-no.:	016.
D = 2,0	add. part-no.:	020.
D = 2,5	add. part-no.:	025.
D = 3,0	add. part-no.:	030.
D = 3,2	add. part-no.:	032.
D = 4,0	add. part-no.:	040.
D = 5,0	add. part-no.:	050.
D = 5,6	add. part-no.:	056.
D = 6,0	add. part-no.:	060.
s = 0,63	add. part-no.:	063.
s = 0,8	add. part-no.:	080.
s = 1,0	add. part-no.:	100.
s = 1,5	add. part-no.:	150.
s = 2,0	add. part-no.:	200.
s = 2,5	add. part-no.:	250.
s = 3,0	add. part-no.:	300.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	911300. Y. 040. 200. VA

tool complete
upform
D = 4,0
s = 2,0
Stainless Steel



Half Shear Tool

for $s = 0,8 - 2,5 \text{ mm}$ / $h = 60\% \text{ of } s$

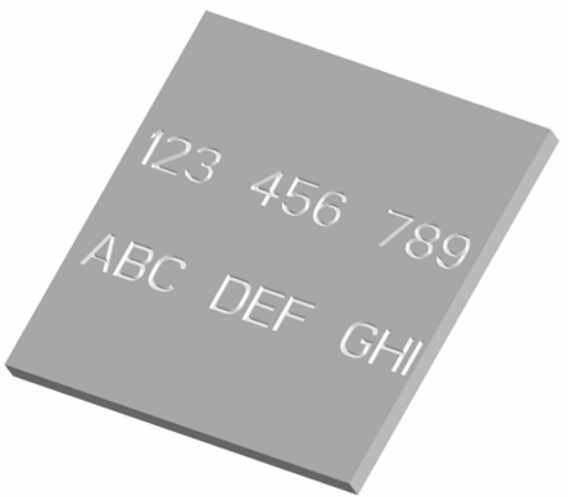


tool complete	part-no.:	911500.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
D = 2,0	add. part-no.:	020.
D = 3,0	add. part-no.:	030.
D = 4,0	add. part-no.:	040.
D = 5,0	add. part-no.:	050.
D = 6,0	add. part-no.:	060.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	911500. Y. 020. ST

tool complete
upform
D = 2,0
Mild Steel

Letter Marking Tool

(V-Line)

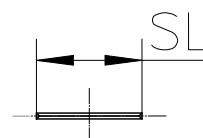
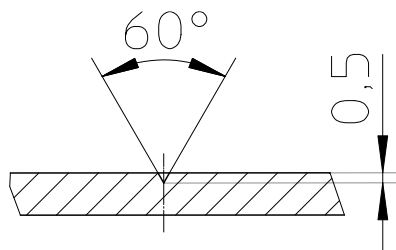
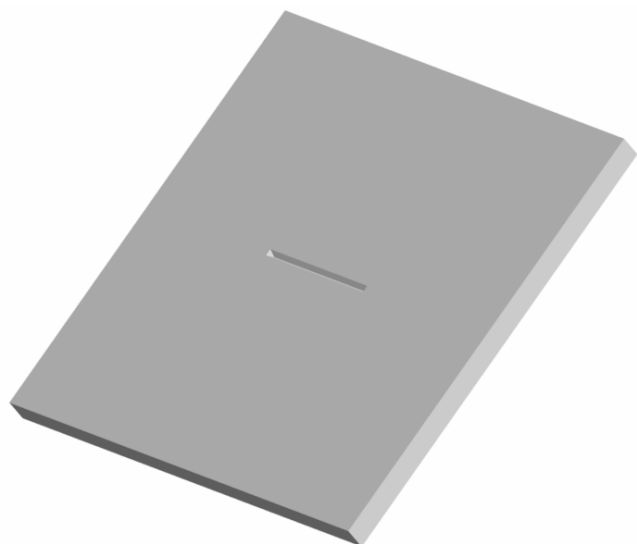


Tool 1-line	part-no.:	910700.
Tool 2-line	part-no.:	910750.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
letter height 3 mm (15 pc in row)	add. part-no.:	030.
letter height 4 mm (12 pc in row)	add. part-no.:	040.
letter height 5 mm (10 pc in row)	add. part-no.:	050.
s = 1,0 - 4,0	add. part-no.:	04.
s = 4,1 - 8,0	add. part-no.:	08.
tool example:	part-no.:	910700. Y. 040. 04.
	tool complete	
	upform	
	letter height =	
	4 mm	
	s = 1,0 - 4,0	



Line Marking Tool

(V-Line)



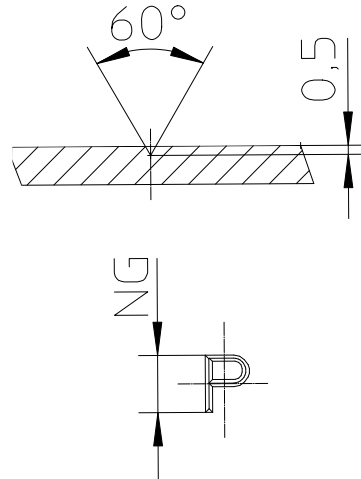
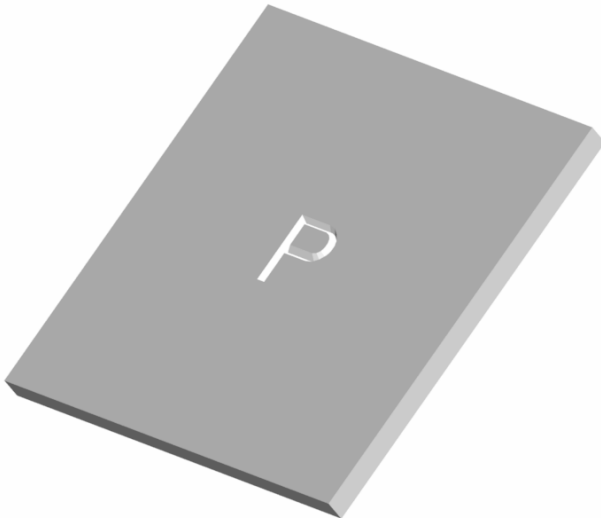
tool complete	part-no.:	910300.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
line length 3 mm	add. part-no.:	03.
line length 4 mm	add. part-no.:	04.
line length 5 mm	add. part-no.:	05.
line length 6 mm	add. part-no.:	06.
line length 8 mm	add. part-no.:	08.
line length 10 mm	add. part-no.:	10.
s = 1,0 - 4,0	add. part-no.:	04.
s = 4,1 - 8,0	add. part-no.:	08.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	910300. Y. 04. 04.

tool complete
upform
line length
4 mm
s = 1,0 - 4,0
mm
(all sheet
versions)



Letter Marking Tool

(V-Line)

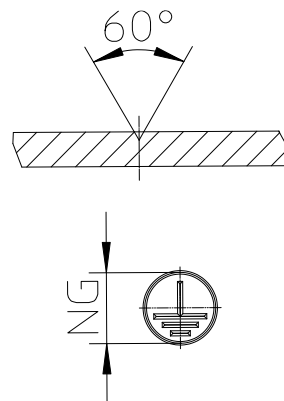
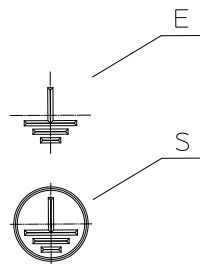


tool complete	part-no.:	910400.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
size NG 3 mm	add. part-no.:	03.
size NG 4 mm	add. part-no.:	04.
size NG 5 mm	add. part-no.:	05.
size NG 6 mm	add. part-no.:	06.
size NG 8 mm	add. part-no.:	08.
size NG 10 mm	add. part-no.:	10.
s = 1,0 - 4,0	add. part-no.:	04.
s = 4,1 - 8,0	add. part-no.:	08.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	910400. Y. 04. 04.
	tool complete	upform
	size NG 4 mm	s = 1,0 - 4,0 mm
	(all sheet versions)	



Ground Symbol Marking Tool

(V-Linie)

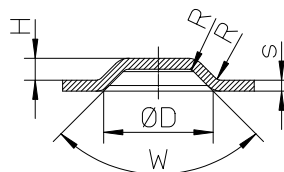
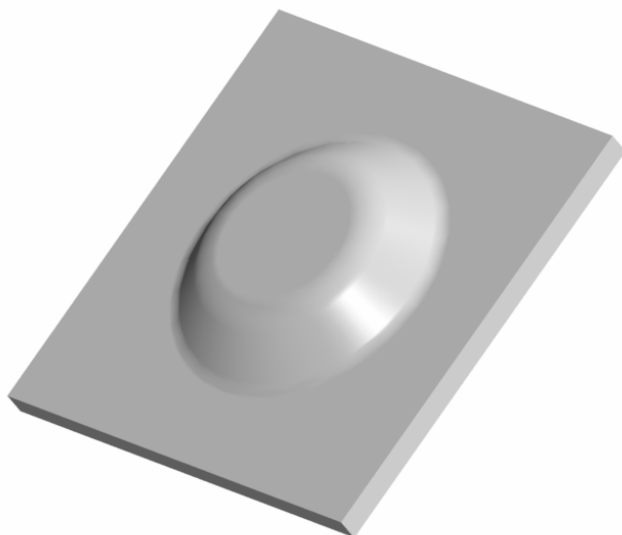


tool complete	part-no.:	910500.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
ground symbol „E“	add. part-no.:	E.
ground symbol „S“	add. part-no.:	S.
size NG 4 mm	add. part-no.:	04.
size NG 5 mm	add. part-no.:	05.
size NG 6 mm	add. part-no.:	06.
size NG 8 mm	add. part-no.:	08.
size NG 10 mm	add. part-no.:	10.
size NG 12 mm	add. part-no.:	12.
s = 1,0 - 4,0	add. part-no.:	04.
s = 4,1 - 8,0	add. part-no.:	08.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	910500. Y. E. 08. 04.

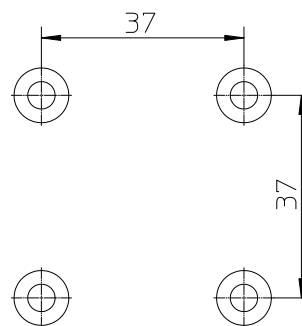
tool complete
upform
ground symbol
„E“
size NG 8
s = 1,0 - 4,0
mm
(all sheet
versions)



Round Emboss Tool



please inform if smaller distances are required!



tool complete	part-no.:	911900.
Emboss - upform	add. part-no.:	Y.
Emboss - downform	add. part-no.:	Z.
D = 12	add. part-no.:	12.
D = 20	add. part-no.:	20.
D = 30	add. part-no.:	30.
H = 2,0	add. part-no.:	020.
H = 3,0	add. part-no.:	030.
H = 4,0	add. part-no.:	040.
H = 5,0	add. part-no.:	050.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,5	add. part-no.:	15.
s = 2,0	add. part-no.:	20.
s = 2,5	add. part-no.:	25.
s = 3,0	add. part-no.:	30.
w = 60°	add. part-no.:	060.
w = 90°	add. part-no.:	090.
w = 120°	add. part-no.:	120.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	911900. Y. 20. 020. 10. 090. VA

tool complete

upform

D = 20

H = 2,0

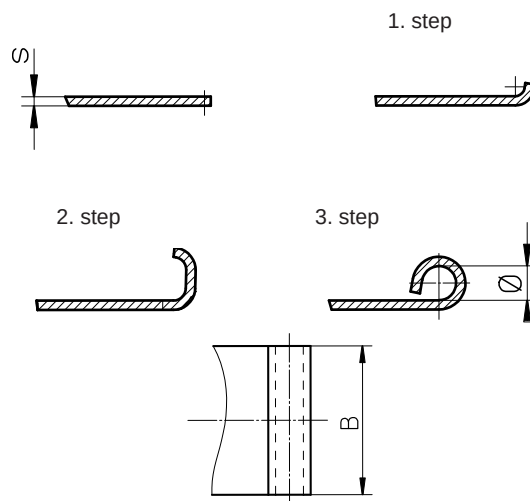
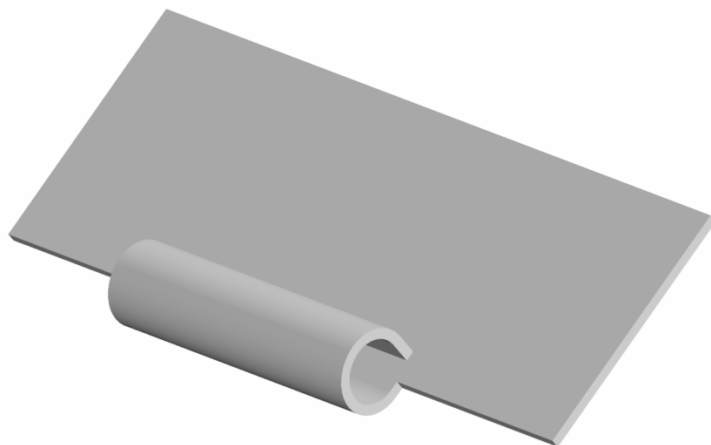
s = 1,0

angle = 90°

Stainless Steel



Hinge Tool Set

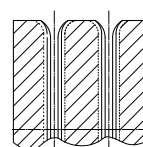
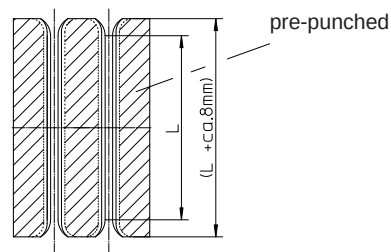
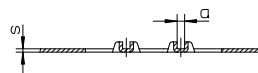
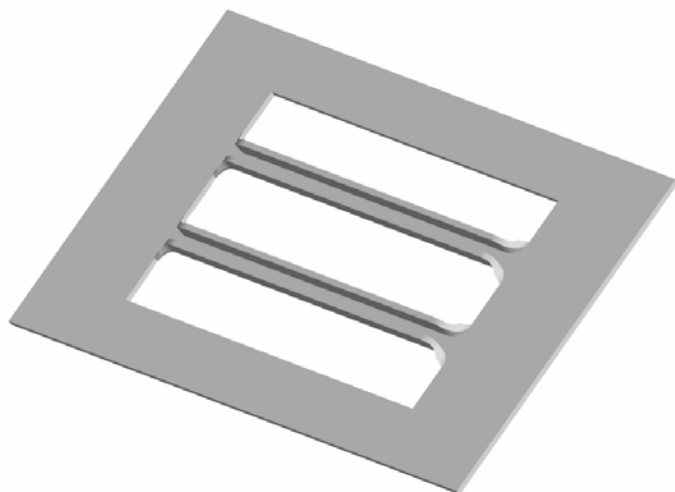


tool set complete	part-no.:	913000.
Emboss - upform		Y.
Hinge diameter Ø 3,1	add. part-no.:	030. (for pin Ø 3,0)
Hinge diameter Ø 4,1	add. part-no.:	040. (for pin Ø 4,0)
Hinge diameter Ø 4,6	add. part-no.:	045. (for pin Ø 4,5)
Hinge diameter Ø 5,1	add. part-no.:	050. (for pin Ø 5,0)
Hinge diameter Ø 5,6	add. part-no.:	055. (for pin Ø 5,5)
Hinge diameter Ø 6,1	add. part-no.:	060. (for pin Ø 6,0)
Hinge length 20,0	add. part-no.:	20.
Hinge length 30,0	add. part-no.:	30.
Hinge length 40,0	add. part-no.:	40.
s = 0,5	add. part-no.:	05.
s = 0,8	add. part-no.:	08.
s = 1,0	add. part-no.:	10.
s = 1,2	add. part-no.:	12.
s = 1,5	add. part-no.:	15.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	913000. Y. 050. 30. 10. ST

tool set
complete
upform
hinge -
for pin Ø 5,1
hinge -
length = 30
s = 1,0
Mild Steel



Card Guide Tool



tool complete	part-no.:	913100.
Emboss - upform	add. part-no.:	Y
guide width 2,1	add. part-no.:	020.
guide width 2,6	add. part-no.:	025.
guide width 3,1	add. part-no.:	030.
guide width 3,6	add. part-no.:	035.
guide width 4,1	add. part-no.:	040.
guide width 5,1	add. part-no.:	050.
guide length = 30,0	add. part-no.:	30.
guide length = 40,0	add. part-no.:	40.
guide length = 50,0	add. part-no.:	50.
s=0,5	add. part-no.:	05.
s=0,8	add. part-no.:	08.
s=1,0	add. part-no.:	10.
s=1,2	add. part-no.:	12.
s=1,5	add. part-no.:	15.
Mild Steel	add. part-no.:	ST
Aluminium	add. part-no.:	AL
Stainless steel	add. part-no.:	VA
tool example:	part-no.:	913100. Y. 030. 40. 10. ST

tool complete

upform

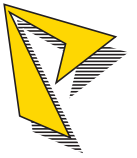
guide -
width 3,0

guide -
length = 40

s = 1,0

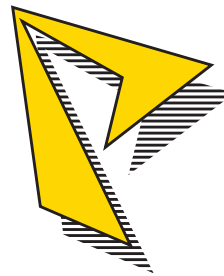
Mild Steel

The image shows a full-page view of a sheet of graph paper. At the top, there is a solid yellow horizontal band. Centered within this band is the word "Notes" in a bold, black, sans-serif font. Below the yellow band, the rest of the page is covered by a uniform grid of thin gray lines, creating a series of small squares suitable for writing or drawing.



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PASS STANZTECHNIK AG
Precision in Perfection



Am Steinkreuz 2

Phone

Fax

E-Mail

Web

D - 95473 Creußen

+49 / 9270 985 0

+49 / 9270 985 99

info@pass-ag.com

www.pass-ag.com

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