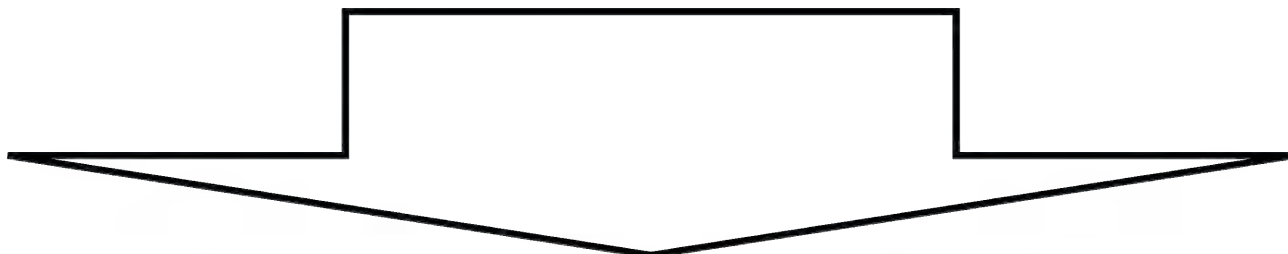


SSHV | ASCA

Schweizerischer Stahl- und Haustechnikhandelsverband SSHV
Association Suisse du Commerce de l'Acier et de la Technique du Bâtiment ASCA
Associazione Svizzera del Commercio dell'Acciaio e dell'Impiantistica ASCA

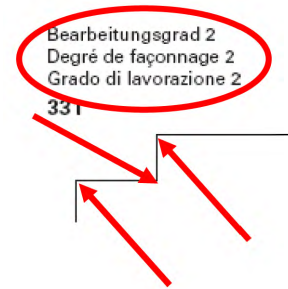
Figurenliste und Richtlinien zur Betonstahlverarbeitung 2010

16	101	10	117	118.17		
17	38	8	119	45.22		
18	38	8	123	46.74		
19	40	10	173	69.20		
20	26	12	214	55.64		
21	8	10	166	13.28		
22	26	10	122	31.72		
32	6	10	827	49.62		



Richtlinien und Handhabung

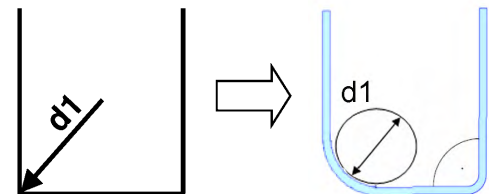
1. Die Figuren sind nach Anzahl Biegungen gruppiert.
(z.B. Nummer 331 = 3 Biegungen).



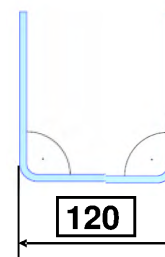
2. Innerhalb dieser Gruppierung sind die Figuren nach dem Bearbeitungsgrad geordnet. Die Bearbeitungsgrade sind: Bearbeitungsgrad 1, Bearbeitungsgrad 2, Bearbeitungsgrad S.

3. Nicht aufgeführte Figuren werden nach Aufwand verrechnet.

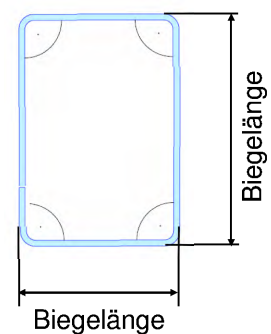
4. Abbiegungen mit einem Biegerollendurchmesser d_1 sind vom Ingenieur auf der Betonstahlliste speziell zu bezeichnen. Diese Figuren werden nach Bearbeitungsgrad S oder nach Aufwand verrechnet.



5. Masse, welche von der Mass- und Längentoleranz gemäss SIA abweichen, müssen auf der Betonstahlliste speziell mit einem Rechteck umrahmt werden. Diese Figuren werden nach Bearbeitungsgrad S oder nach Aufwand verrechnet.

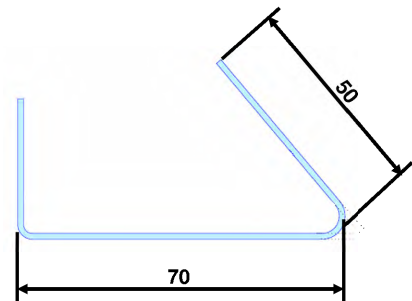


6. Sofern bei geschlossenen Bügeln die Biegelänge weniger als 21 cm beträgt, wird die Figur nach Aufwand verrechnet.

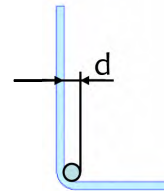


Richtlinien und Handhabung

7. Die Masse (Längenangaben) in den Betonstahllisten sind grundsätzlich AUSSENMASSE (cm).

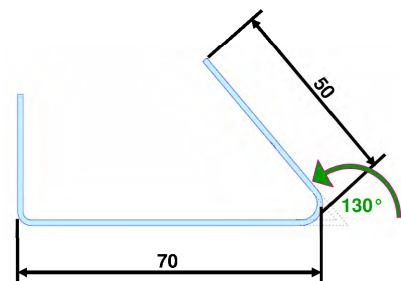


8. Biegedorn- bzw. Biegerollendurchmesser (d) in mm und als INNENMASSE.



9. Betonstahldurchmesser ausschliesslich in mm.

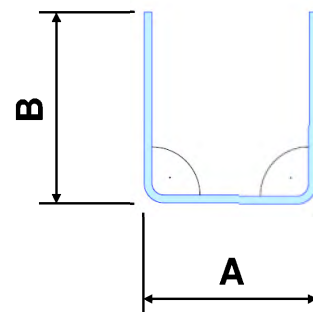
10. Die Biegereien benötigen zwingend die Längenangaben und Biegewinkel in Grad (360°).



11. Gebogener Betonstahl bis Ø12mm wird in geraden Stückzahlen produziert.

12. Aus Produktionstechnischen Gründen dürfen die Schenkellängen für Anfangs- und Mittelschenkel nicht unterschritten werden.

	Ø (mm)	A (cm)	B (cm)
d3	8	8	6
	10	10	7
	12	12	10
	14	14	12
	16	16	13
d2	18	22	17
	20	24	18
	22	32	25
	26	37	29
	30	42	33
	34	56	35
	40	64	44



13. Schriftgrösse 12 für alle Masse verwenden.

14. Überlängen (>14m) und Überbreiten (>2.50m) werden nach Aufwand verrechnet.

FIGURENLISTE
LISTE DES FIGURES
LISTA DELLE FIGURE

Fix
Fixe
Fisso

1



Bearbeitungsgrad 1
Degré de façonnage 1
Grado di lavorazione 1

101



102



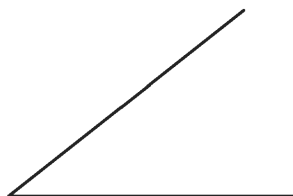
103



104

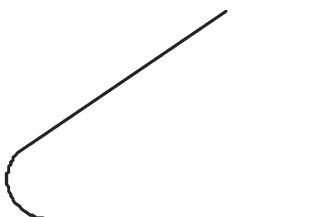


105



Bearbeitungsgrad S
Degré de façonnage S
Grado di lavorazione S

181



182



183



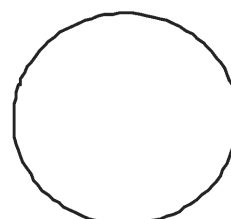
184



185



186

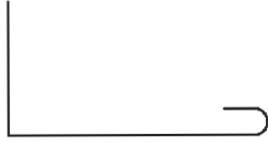


Bearbeitungsgrad 1
Degré de façonnage 1
Grado di lavorazione 1

201



202



203



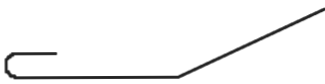
205



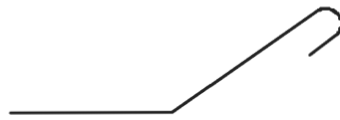
206



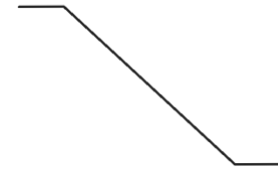
207



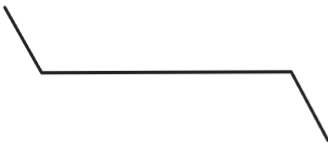
208



209



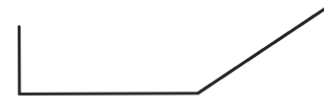
210



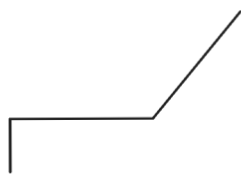
211



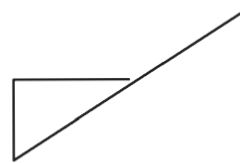
212



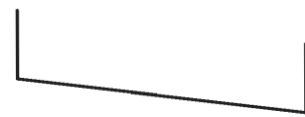
213



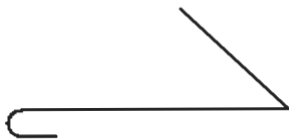
214



215



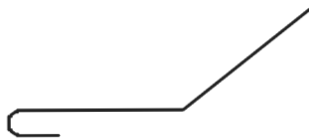
216



218



219



221



Bearbeitungsgrad 2
Degré de façonnage 2
Grado di lavorazione 2

231



232



233

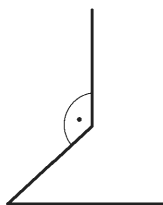


Bearbeitungsgrad S
Degré de façonnage S
Grado di lavorazione S

281



282 3D



Bearbeitungsgrad 1
Degré de façonnage 1
Grado di lavorazione 1

301



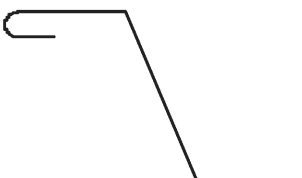
302



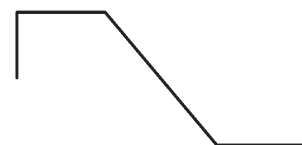
303



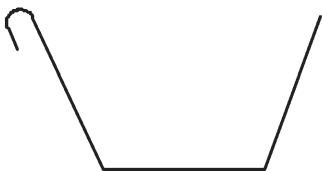
305



306



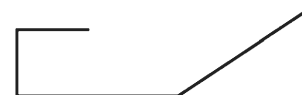
307



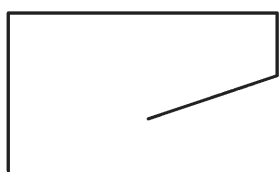
308



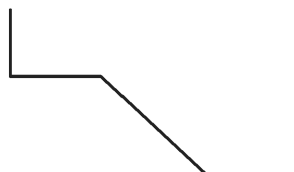
309



310



311



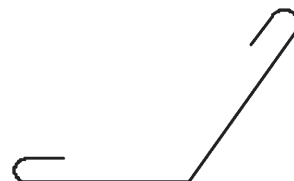
312



313



314

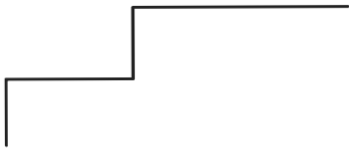


316

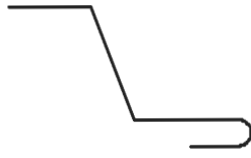


Bearbeitungsgrad 2
Degré de façonnage 2
Grado di lavorazione 2

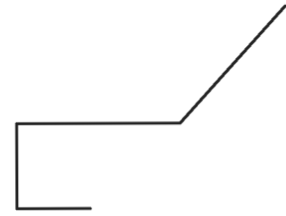
331



332



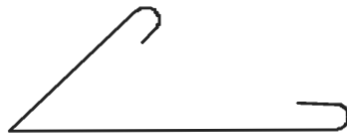
333



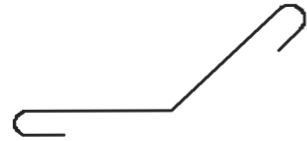
334



335



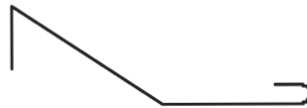
336



337



338



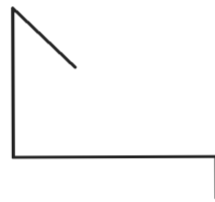
339



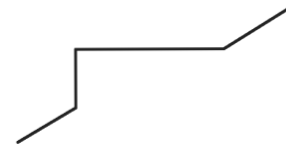
340



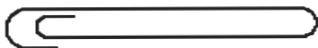
341



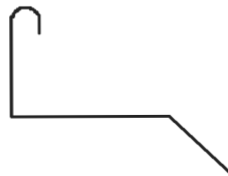
342



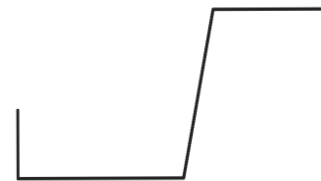
343



344



345



Bearbeitungsgrad S
Degré de façonnage S
Grado di lavorazione S

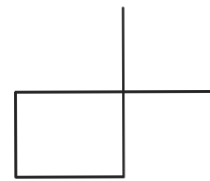
381



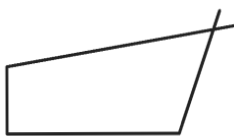
382



383



384

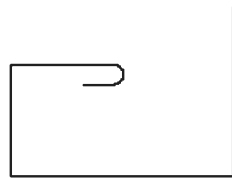


Bearbeitungsgrad 1
Degré de façonnage 1
Grado di lavorazione 1

401



402



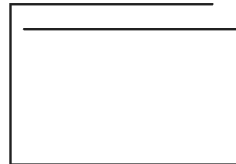
403



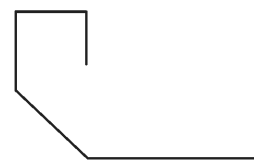
404



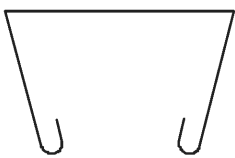
405



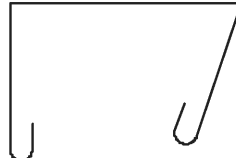
406



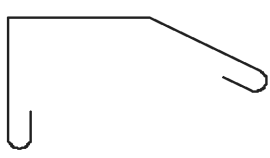
407



408



409

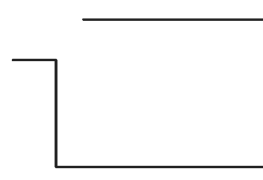


Bearbeitungsgrad 2
Degré de façonnage 2
Grado di lavorazione 2

431



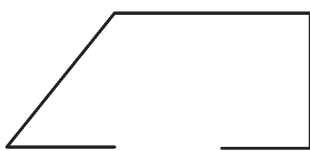
432



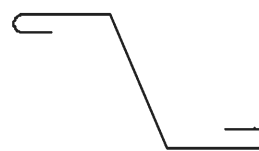
433



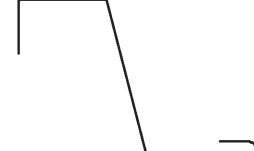
434



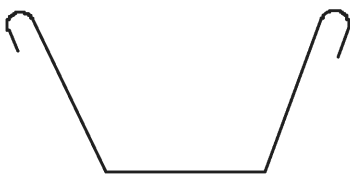
435



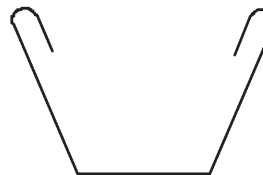
436



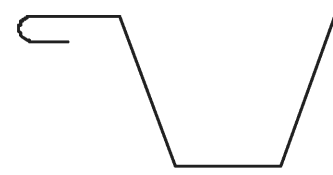
437



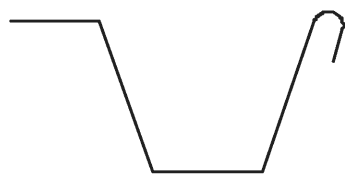
438



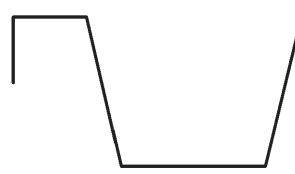
439



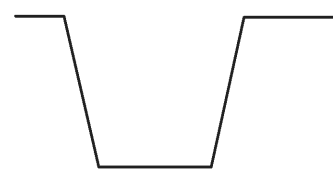
440



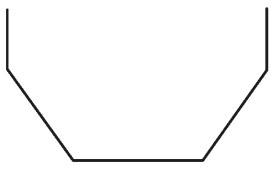
441



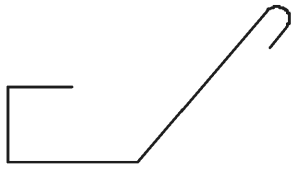
442



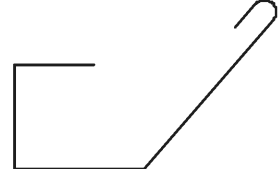
443



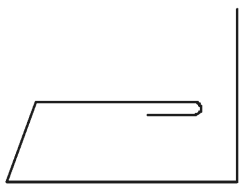
444



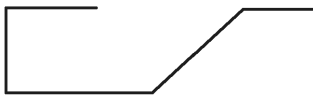
445



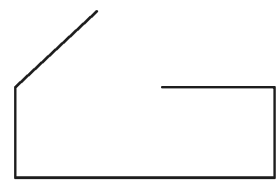
446



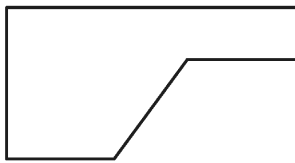
447



448



452



450



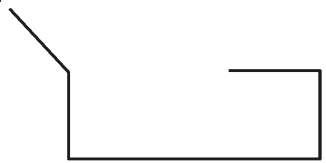
451



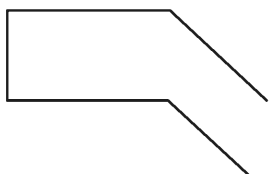
453



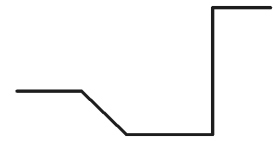
454



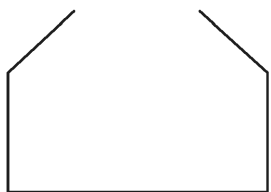
455



457



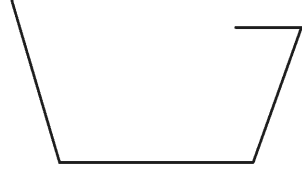
458



462



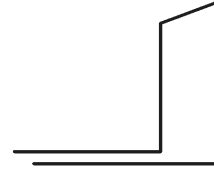
460



461



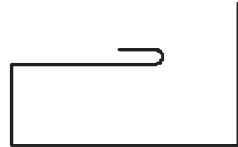
463



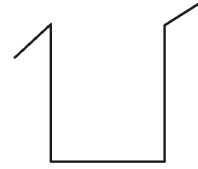
464



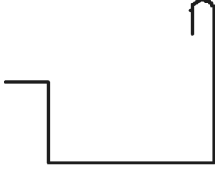
465



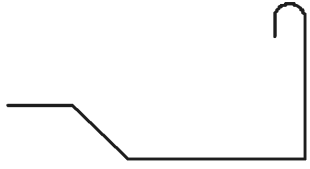
469



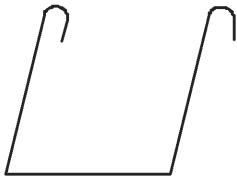
467



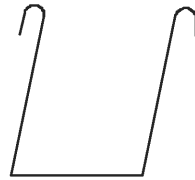
468



470

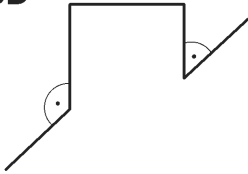


471

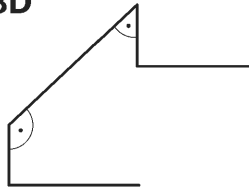


Bearbeitungsgrad S
Degré de façonnage S
Grado di lavorazione S

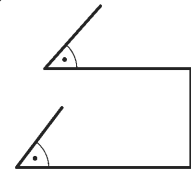
481 3D



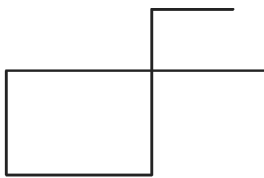
482 3D



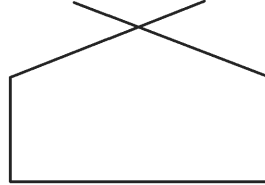
483 3D



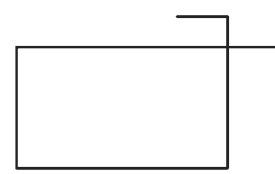
484



485



486



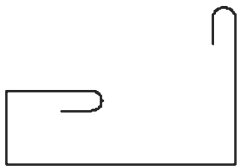
Bearbeitungsgrad 1
Degré de façonnage 1
Grado di lavorazione 1

501



Bearbeitungsgrad 2
Degré de façonnage 2
Grado di lavorazione 2

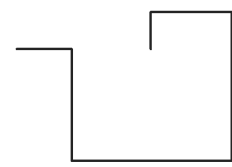
531



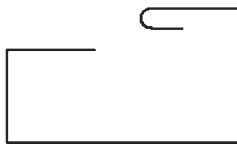
532



533



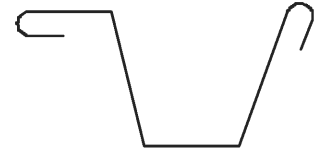
534



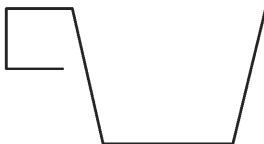
535



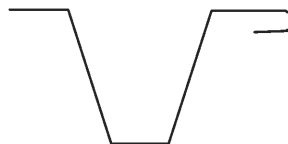
536



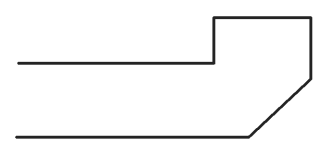
537



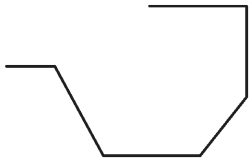
538



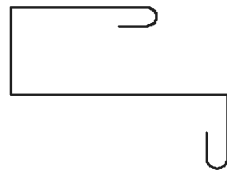
539



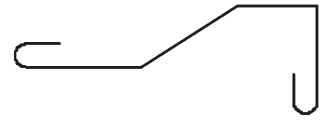
540



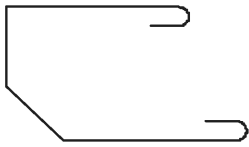
541



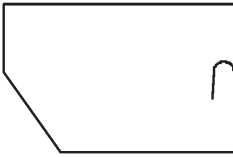
542



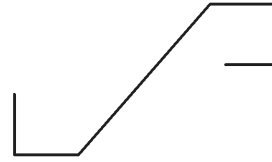
543



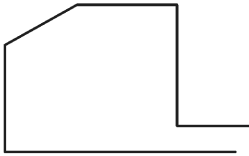
544



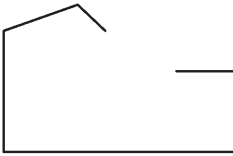
545



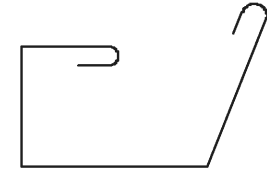
546



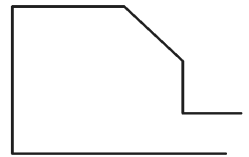
547



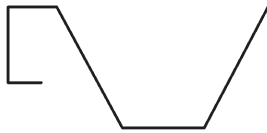
548



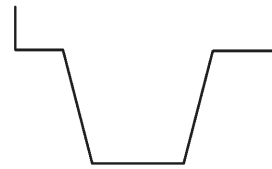
549



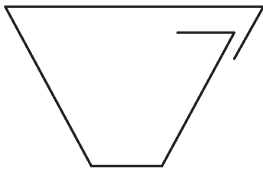
550



551



552



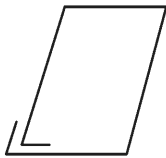
553



554



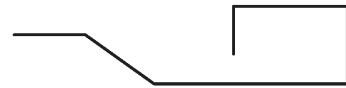
555



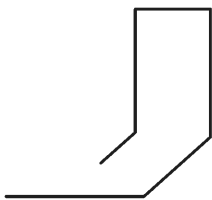
556



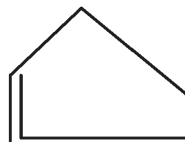
557



558



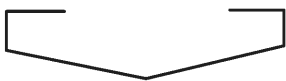
559



560



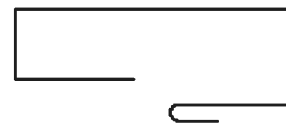
561



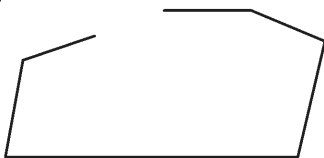
562



563

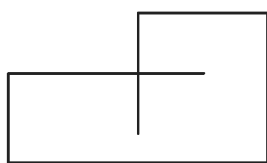


564

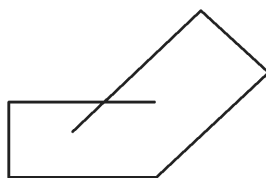


Bearbeitungsgrad S
Degré de façonnage S
Grado di lavorazione S

581



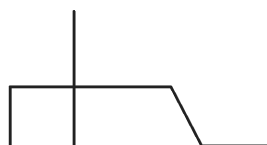
582



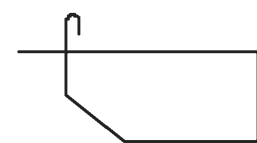
583



584

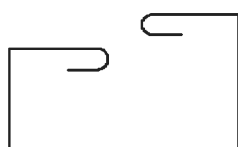


585

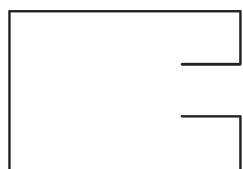


Bearbeitungsgrad S
Degré de façonnage S
Grado di lavorazione S

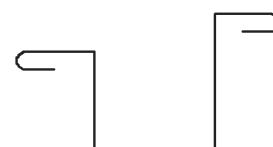
631



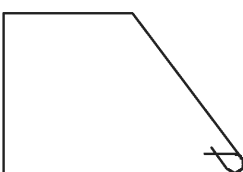
632



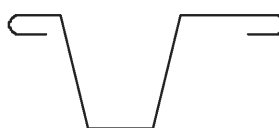
633



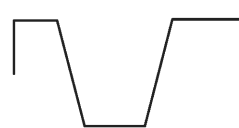
634



635



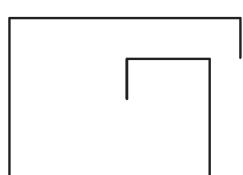
636



637



638



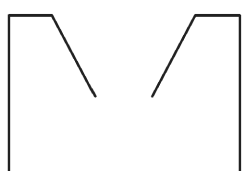
639



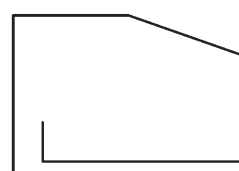
640



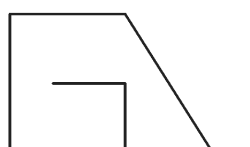
641



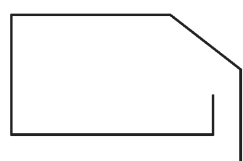
642



643



644



646



647



648

