

martin  miller®

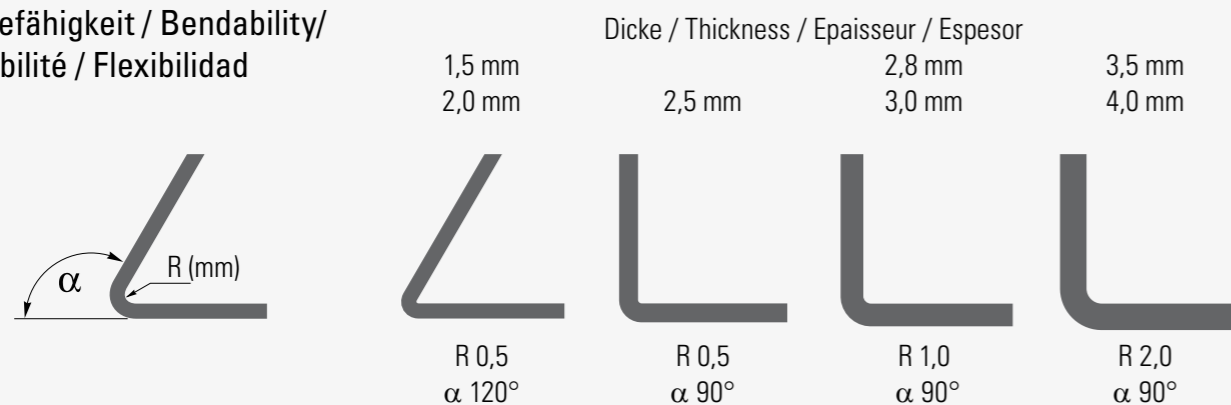
MILLER MILLER
CLICKING DIE DIE
STEEL STEEL



Viking Flex Gold (HF edge hardened)

Viking Flex Gold		Dicke / Thickness / Epaisseur / Espesor	
		≤ 2,8 mm	≥ 3,0 mm
Härte / Hardness Dureté / Dureza	Körper / Body Corps / Cuerpo	~ 365 HV ~ 37 HRC	~ 345 HV ~ 35 HRC
	Schneide / Bevel Biseau / Filo	~ 500 HV ~ 49 HRC	

Biegefähigkeit / Bendability/
Flexibilität / Flexibilidad



Maßstab / Scale / Echelle / Escala 1:1

Viking Flex Hard

Viking Flex Hard		≤ 2,11 mm	2,5 mm
Härte / Hardness Dureté / Dureza	Körper / Body / Corps / Cuerpo	~ 44 HRC	~ 44 HRC
	Schneide / Bevel / Biseau / Filo		
Biegebarkeit / Bendability Flexibilität / Flexibilidad		α = 95° R 1,0 mm	α = 90° R 1,0 mm

Viking Flex

Viking Flex		≤ 2,11 mm	2,5 mm
Härte / Hardness Dureté / Dureza	Körper / Body / Corps / Cuerpo	~ 42 HRC	~ 41 HRC
	Schneide / Bevel / Biseau / Filo		
Biegebarkeit / Bendability Flexibilität / Flexibilidad		α = 100° R 1,0 mm	α = 95° R 1,0 mm



VIKING FLEX GOLD vereint beste Biegefähigkeit mit idealer Körperhärte. Die HF-gehärtete Schneide garantiert höchste Standzeit.

- Biegefähigkeit = rasches Verarbeiten
- Ideale Körperhärte = gute Stabilität und exakte Verarbeitung
- HF-gehärtete Schneide = höchste Standzeit (Lebensdauer)



VIKING FLEX GOLD combines excellent bendability with ideal body hardness. The HF-treated bevel guarantees extra long edge life.

- Bendability = quick and accurate processing
- Ideal Body Hardness = high stability
- HF-hardened edge = highest edge life



VIKING FLEX GOLD offre deux avantages: une flexibilité excellente avec une dureté du corps élevée. Le tranchant HF garantit une meilleure tenue du tranchant.

- Flexibilité = travail rapide
- Dureté idéale du corps = bonne stabilité et travail précis
- Tranchant HF = meilleure tenue de coupe











VIKING FLEX GOLD ofrece dos ventajas en una sola ejecución: máxima flexibilidad y dureza ideal del cuerpo. El filo templado HF garantiza una máxima vida de trabajo del material.

- Flexibilidad = trabajo rápido
- Dureza ideal del cuerpo = buena estabilidad y trabajo preciso
- Filo templado HF = máxima vida de trabajo del material



Dimensionen und Profile
 Dimensions and profiles
 Dimensions et profils
 Dimensiones y perfiles

Maßstab / Scale / Echelle / Escala 2:1

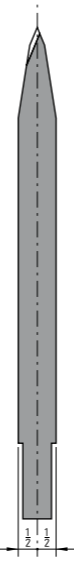
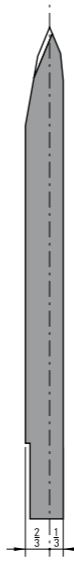
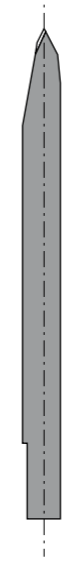
							
AE	AD	BE	BD	BEK	BEM	BES	TE
19 x 1,5	19 x 1,5	–	–	–	–	–	–
19 x 2,0	19 x 2,0	19 x 2,0	19 x 2,0	19 x 2,0	–	–	19 x 2,0
19 x 2,5	–	19 x 2,5	19 x 2,5	–	–	–	19 x 2,5
19 x 3,0	–	19 x 3,0	19 x 3,0	–	–	–	19 x 3,0
–	–	19 x 4,0	19 x 4,0	–	–	–	19 x 4,0
–	20 x 2,0	20 x 2,0	20 x 2,0	–	–	–	–
30 x 2,0	30 x 2,0	30 x 2,0	30 x 2,0	–	–	–	–
30 x 2,5	30 x 2,5	30 x 2,5	–	–	30 x 2,5	–	30 x 2,5
30 x 3,0	–	–	–	30 x 3,0	–	–	–
32 x 2,0	–	32 x 2,0	32 x 2,0	–	32 x 2,0	–	32 x 2,0
32 x 2,5	–	32 x 2,5	32 x 2,5	32 x 2,5	32 x 2,5	–	32 x 2,5
32 x 3,0	–	32 x 3,0	–	–	32 x 3,0	–	32 x 3,0
–	–	–	–	–	32 x 3,5	–	–
–	–	–	–	–	–	32 x 4,0	32 x 4,0
–	–	40 x 2,5	–	–	–	–	40 x 2,5
–	–	50 x 2,5	–	–	–	–	50 x 2,5
–	–	50 x 2,8	–	–	50 x 2,8	–	50 x 2,8
–	–	50 x 3,0	–	–	–	–	50 x 3,0
–	–	50 x 3,5	–	–	–	–	50 x 3,5
–	–	50 x 4,0	–	–	–	50 x 4,0	–

Dimensionen in mm / Dimensions in/en mm / Dimensiones en mm

Andere Dimensionen und Profile auf Anfrage.
 Autres dimensions et profils sur demande.

Other dimensions and profiles on request.
 Otras dimensiones y perfiles según demanda.

Mit gezahnter Schneide
 With serrated cutting edge
 Avec tranchant cranté
 Con filo dentado

		
PZA	PZT	PZTE
–	–	–
19 x 2,0	19 x 2,0	19 x 2,0
19 x 2,5	19 x 2,5	–
19 x 3,0	19 x 3,0	–
–	–	–
–	–	–
30 x 2,0	30 x 2,0	30 x 2,0
30 x 2,5	30 x 2,5	–
–	–	–
32 x 2,0	32 x 2,0	32 x 2,0
32 x 2,5	32 x 2,5	–
32 x 3,0	32 x 3,0	–
–	–	–
32 x 4,0	32 x 4,0	–
–	–	–
50 x 2,0	50 x 2,0	–
–	–	–
50 x 3,0	50 x 3,0	–
–	–	–
–	–	–



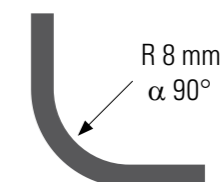
PZA / PZT



PZTE



Biegefähigkeit
 Bendability
 Flexibilité
 Flexibilidad



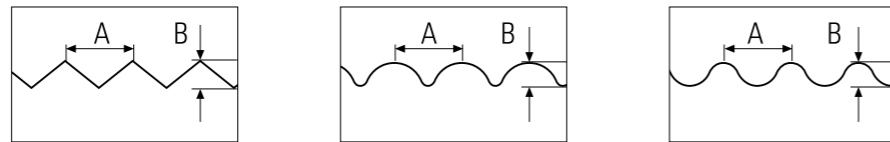
Zackenstahl
Gimped steel
Acier dentelé
Acero prefestoneado

Biegefähigkeit
 Bendability
 Flexibilité
 Flexibilidad



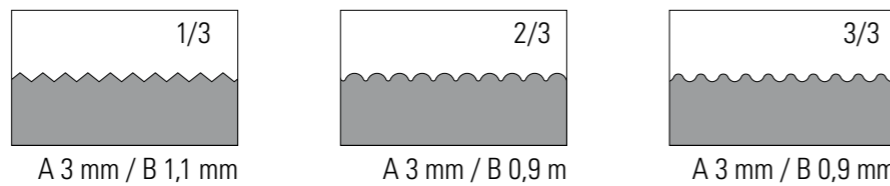
Abmessungen: 19 x 2,0 20 x 2,0
 30 x 2,0 32 x 2,0 mm

Facette A
 einschneidig oder doppelschneidig
 1/2 - 1/10 · 2/3 - 2/10 · 3/3 - 3/10
 Lieferart: in Stäben à 1.200 mm
 in Ringen à 10-12 m



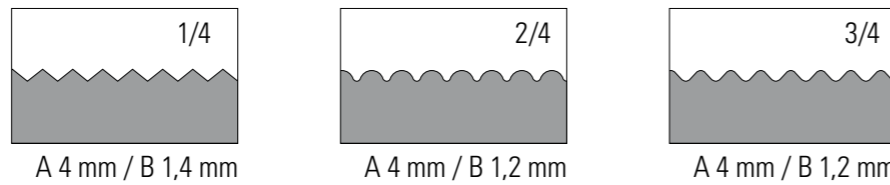
Dimensions: 19 x 2,0 20 x 2,0
 30 x 2,0 32 x 2,0 mm

Bevel A
 single or double edged
 1/2 - 1/10 · 2/3 - 2/10 · 3/3 - 3/10
 Delivery: in lengths of 1.200 mm
 in coils of 10-12 m



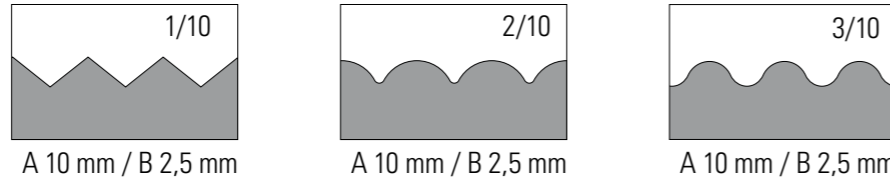
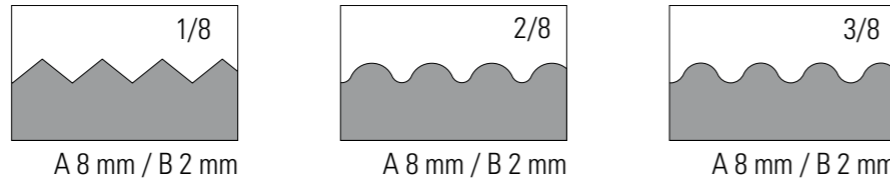
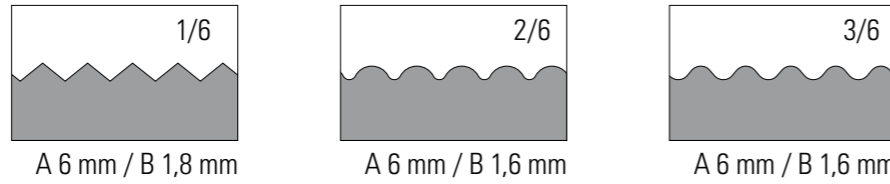
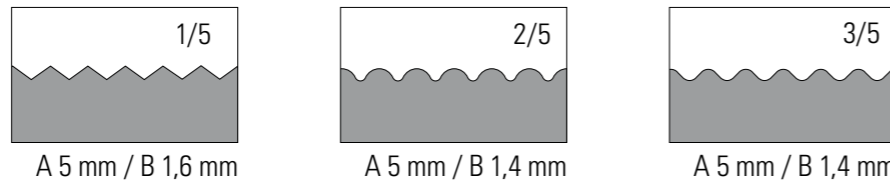
Dimensions: 19 x 2,0 20 x 2,0
 30 x 2,0 32 x 2,0 mm

Biseau central A
 simple ou double tranchant
 1/2 - 1/10 · 2/3 - 2/10 · 3/3 - 3/10
 Forme de livraison: barres de 1.200 mm
 rouleau de 10-12 m



Dimensiones: 19 x 2,0 20 x 2,0
 30 x 2,0 32 x 2,0 mm

Filo central A
 de un filo o de dos filos
 1/2 - 1/10 · 2/3 - 2/10 · 3/3 - 3/10
 Entrega: en barras de 1.200 mm
 en rollos de 10-12 m



Maßstab / Scale / Echelle / Escala 1:1

Verpackung
Packing
Emballage
Embalaje

Standardlänge eines Ringes bei einer Dicke von:
 Standard length of a coil at a thickness of:
 Longueur standard d'un rouleau suivant l'épaisseur:
 Longitud estandard de un rollo según el espesor:

2,0 mm ~ 75 m
 2,5 mm ~ 60 m
 3,0 mm ~ 50 m
 4,0 mm ~ 40 m

Gewicht / Weight / Poids / Peso:			
Dimension (mm)	kg/m	Dimension (mm)	kg/m
19 x 1,5	0,20	32 x 2,5	0,58
19 x 2,0	0,26	32 x 3,0	0,67
19 x 2,5	0,32	32 x 3,5	0,77
19 x 3,0	0,36	32 x 4,0	0,85
19 x 4,0	0,48	40 x 2,5	0,93
20 x 2,0	0,27	50 x 2,5	1,00
30 x 2,0	0,44	50 x 2,8	1,04
30 x 2,5	0,54	50 x 3,0	1,09
30 x 3,0	0,62	50 x 3,5	1,26
32 x 2,0	0,47	50 x 4,0	1,45

Dicke Thickness Epaisseur Espesor	Außendurchmesser des Ringes Outer diameter of the coil Diamètre extérieur du rouleau Diametro exterior del rollo
≤ 3,0 mm	~ 560 mm
> 3,0 mm	~ 800 mm





Martin Miller is a registered trademark of
voestalpine Precision Strip GmbH, Austria

voestalpine Precision Strip GmbH

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