

CONVERSION:

1 mm = 0.039"
 1 meter = 3.28 ft.
 1 t/m = 0.336 t/ft. (US)
 1 kg = 2.205 lb.
 1 kg/m = 0.672 lb/ft.

Remarks

FACT SHEET TOOLING AND EXTENDERS**Accuracy**

Working surface precision

DurabilityHigh tensile CrMo steel alloy ≥ 1000 N/mm²High quality tool steel 600-720 N/mm²Bending radii are CNC-DeePhardened® to minimum 56° HRC, depth ≥ 4 mmBending radii are CNC-DeePhardened® to minimum 52° HRC, depth ≥ 2 mm

OZU-ZN (for galvanized sheet)

Flexibility

Easy reversibility because of symmetrical adaption

ATC possible (Gripper, TIPS®)

Vertical* + horizontal loading
*Safety-Clicks® required with top tools

Top (BIU/HU/TSU) suitable for all New Standard Premium and Pro Top Tool Holders

Top (BIU/HU/TSU with AS II adaption) suitable for all American Style Top Tool Holders

Bottom (OZU/HU/THU/DD) suitable for all Bottom Tool Holders

Bottom tools V ≤ 60 mm equipped with V-Lock®

Bottom (OZU/DDU/HU/THU) have 13 mm adaption designed for use on all press brakes with a Clamping Slot 13.5x 22(WxH)

Available with E2M®

Available with NS III or NS IV adaption

Bottom tools equipped with NS VI adaption

Available standard lengths	/1 L=515 mm
	/2 L=550 mm sectioned
	/3 L=200 mm sectioned
	/4 L=150 mm
	/6 L=200 mm
	/7 L=20 inch
	/8 L=18.5 inch
	/9 L=2x4 inch
	/10 L=475 mm sectioned
	/11 L= 200 mm sections
	/12 L=255 mm

Max. length

Speed

Automatically adjustable V-opening

Automatic seating and aligning of the tooling

Fast tool changing

Adjustment
CNC
HUse of Safety-Clicks® ≤ 12.5 kg

Use of E2M®

Safety

Equipped with Safety-Clicks® up to 12.5 kg

Equipped with Safety-Pins > 12.5 kg

Equipped with E2M® >12.5 kg

● = Standard ○ = Optional - = Not available

FACT SHEET TOOLING AND EXTENDERS														
New Standard Premium top and bottom tools					New Standard Pro	American		Adjustable bottom tools		Flattening tools	Inserts	Tool Extenders		
New Standard Premium	New Standard HD Premium		New Standard BM Premium	New Standard OM Premium		American Style	American Vintage	Multi-V Matic	Multi-V	DDU	INZU RU	TSU/HU/TS	HU/THU/DD/OB 958	
	Top	Bottom	Tools with special geometry									Top	Bottom	
Working surface precision	+++	+++	+++	+++	+++	++	++	++	++	++	++	++	++	++
High tensile CrMo steel alloy ≥ 1000 N/mm ²	●	●	●	●	●	-	●	-	●	●	-	-	-	O (DD)
High quality tool steel 600-720 N/mm ²	-	-	OZU-HD	-	-	●	-	●	-	-	●	●	●	●
Bending radii are CNC-DeePhardened® to minimum 56° HRC, depth ≥ 4 mm	●	●	●	●	●	-	●	-	●	●	-	●	-	-
Bending radii are CNC-DeePhardened® to minimum 52° HRC, depth ≥ 2 mm	-	-	-	-	-	●	-	●	-	-	●	-	-	-
OZU-ZN (for galvanized sheet)	O	-	-	O	O	O	O	O	-	-	-	-	-	-
Easy reversibility because of symmetrical adaption	●	●	●	●	●	●	●	●	-	-	-	-	●	-
ATC possible (Gripper, TIPS®)	●	-	-	-	-	-	-	-	-	-	-	-	-	-
Vertical* + horizontal loading *Safety-Clicks® required with top tools	●	●	-	●	-	●	●	●	-	-	-	●	●	●
Top (BIU/HU/TSU) suitable for all New Standard Premium and Pro Top Tool Holders	●	●	-	●	-	●	-	●	-	-	-	●	-	-
Top (BIU/HU/TSU with AS II adaption) suitable for all American Style Top Tool Holders	-	-	-	-	-	●	●	-	-	-	-	●	-	-
Bottom (OZU/HU/THU/DD) suitable for all Bottom Tool Holders	●	-	●	-	-	●	●	●	-	-	-	-	●	●
Bottom tools V ≤ 60 mm equipped with V-Lock®	●	●	-	●	-	●	●	●	-	-	-	●	●	●
Bottom (OZU/DDU/HU/THU) have 13 mm adaption designed for use on all press brakes with a Clamping Slot 13.5x 22(WxH)	●	-	●	-	-	●	●	O	O	●	-	-	-	-
Available with E2M®	O	O	O	O	O	O	-	-	-	-	-	-	O	O
Available with NS III or NS IV adaption	-	-	-	-	O	-	-	-	-	-	-	-	-	-
Bottom tools equipped with NS VI adaption	●	-	●	-	●	●	●	●	-	-	●	-	-	●
Available standard lengths	/1 L=515 mm	●	●	●	●	●	●	-	-	-	●	●	●	●
	/2 L=550 mm sectioned	●	●	-	●	●	-	-	-	-	-	-	-	-
	/3 L=200 mm sectioned	●	●	-	●	●	-	-	-	-	-	-	-	-
	/4 L=150 mm	-	-	-	-	-	-	-	-	-	-	●	-	-
	/6 L=200 mm	●	●	-	●	●	-	-	-	-	-	-	-	-
	/7 L=20 inch	-	-	-	-	-	-	●	-	-	-	-	-	-
	/8 L=18.5 inch	-	-	-	●	●	-	●	-	-	-	-	-	-
	/9 L=2x4 inch	●	-	●	●	●	-	●	-	-	-	-	-	-
	/10 L=475 mm sectioned	-	-	-	●	●	●	-	-	-	-	-	-	-
	/11 L= 200 mm sections	●	-	-	●	●	-	-	-	-	-	-	-	-
	/12 L=255 mm	●	-	●	●	●	-	-	-	-	-	-	-	-
Max. length	515 mm 20 inch	515 mm 20 inch	515 mm 20 inch	515 mm 20 inch	515 mm 20 inch	515 mm 20 inch	515 mm 20 inch	515 mm 20 inch	6200 mm	-	515 mm 20 inch	515 mm 20 inch	515 mm 20"/TS machine length	515 mm 20"/DD +OB 958 machine length
Automatically adjustable V-opening	-	-	-	-	-	-	-	-	6-51 mm	24-400 mm	-	-	-	-
Automatic seating and aligning of the tooling	●	●	●	●	●	●	●	●	-	-	●	-	●	●
Fast tool changing	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment	CNC	-	-	-	-	-	-	-	●	O	-	-	-	-
	H	-	-	-	-	-	-	-	O	●	-	-	-	-
Use of Safety-Clicks® ≤ 12.5 kg	●	●	-	●	O	●	●	●	-	-	-	-	(TSU/4)	-
Use of E2M®	O	O	O	O	O	O	-	-	-	-	-	-	O	O
Equipped with Safety-Clicks® up to 12.5 kg	●	●	-	●	O	●	●	●	-	-	-	-	(TSU-028/030)	-
Equipped with Safety-Pins > 12.5 kg	●	●	-	●	-	●	●	●	-	-	-	-	●	● (HU/THU)
Equipped with E2M® >12.5 kg	O	O	O	O	O	O	-	-	-	-	-	-	O	O