NEW STANDARD TOOL HOLDERS

The perfect match with your tools

WILA's state-of-the-art Clamping and Crowning systems offer the ultimate solution when it comes to efficiently changing tools - both hydraulically and mechanically. Several innovations, like the Safety-Click®, the Smart Tool Locator® and the E2M® changing system for (heavy) tools, have made the changeover process easier and safer. Accuracy and ergonomics have been coordinated to realize the highest level of productivity. WILA's Tool Holder program has been divided into several product ranges: New Standard Premium, New Standard Pro and American Style.

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 lbs/ft.

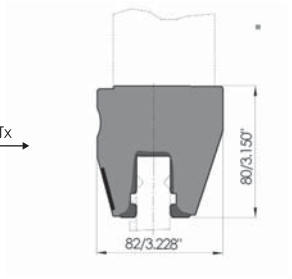
		FACT SHEET TOOL HOLDERS											
		New Standard Premium Clamping	New Standard HD Premium Clamping	New Standard Premium Crowning	New Standard HD Premium Crowning	New Standard Premium Bottom Tool Holder	New Standard HD Premium Bottom Tool Holder	New Standard Pro Clamping	New Standard Pro Crowning	New Standard HD Pro Crowning	New Standard Pro Bottom Tool Holder	New Standard HD Pro Bottom Tool Holder	American Style Clamping
Accuracy													
Working surface precision		+++	+++	+++	+++	+++	+++	++	++	++	++	++	++
Tx-alignment		●	●	●	●	●	●	●	●	●	●	●	●
Ty-alignment		-	-	●	● (W = 158 mm)	○	○	○	●	● (W = 158 mm)	○	○	○
Durability													
High tensile CrMo steel alloy, ≥ 1000 N/mm²		●	●	●	●	●	●	-	-	-	-	-	●
High quality tool steel, 600-720 N/mm²		-	-	-	-	-	-	●	●	●	●	●	-
Pressure surface CNC-Deephardened® to approx. 56°, HRC.		●	●	●	●	●	●	-	-	-	-	-	-
Max. load	Head load	200²/250 t/m	250 t/m	-	-	-	-	180 t/m	-	-	-	-	-
	Shoulder load	200²/300 t/m	800 t/m	300 t/m	800 t/m	200²/300 t/m	800 t/m	250 t/m	200 t/m	500 t/m	200 t/m	500 t/m	230 t/m
Flexibility													
Easy reversibility of tooling because of symmetrical adaption		●	●	●	●	●	●	●	●	●	●	●	●
Hydraulic Clamping (max. 50 bar oil pressure, power pack available³)		●	●	●	●	●	●	●	●	●	●	●	●
Mechanical Clamping		○	-	○	-	○	-	○	○	○	○	○	○
Pneumatic Clamping (≥ 7 bar)		○	-	-	-	○	-	-	-	-	-	-	-
Individual Clamping of each tool segment, as of	Hydr./Pneum. Clamping	10 mm	40 mm	10 mm	40 mm	10 mm	40 mm	15 mm	15 mm	40 mm	15 mm	40 mm	15 mm
	Mech. Clamping	20 mm	-	20 mm	-	20 mm	-	20 mm	20 mm	40 mm	20 mm	40 mm	20 mm
Designed for use on new press brakes equipped with UPB hole pattern¹)		●	●	●	●	●	●	●	●	●	●	●	●
Available for press brakes not equipped with UPB hole pattern		-	-	-	-	○	-	○	○	-	○	-	○
ATC possible (Gripper, TIPS®)		○	-	○	-	○	-	-	-	-	-	-	-
Smart Tool Locator®		○	○	○	○	-	○	○	○	○	-	○	○
Vertical* + horizontal loading *Safety-Clicks® required with top tools		●	●	●	●	●	●	●	●	●	●	●	●
Max tool weight (top tools: self seating)	Hydr. Clamping	300 kg/m	1000 kg/m					100 kg/m					75 kg/m
	Mech. Clamping	180 kg/m						180 kg/m					
	Pneum. Clamping	70 kg/m											
Speed													
Automatic clamping seating and aligning of the tooling		●	●	●	●	●	●	●	●	●	●	●	●⁴
Fast tool changing		●	●	●	●	●	●	●	●	●	●	●	●
Equipped for E2M®		●	●	●	●	●	●	●	●	●	●	●	-
Crowning adjustment (Standard on the right side)	CNC	-	-	● <2500 kg	○ <4000 kg	-	-	-	● <2500 kg	X< 4000 kg	-	-	-
	Hydr	-	-	● >2500 kg	○ >4000 kg	-	-	-	● >2500 kg	X>4000 kg	-	-	-
	H	-	-	● <1500 kg	-	-	-	-	● <1500 kg	-	-	-	-
	HF (L ≤ 4300 mm)	-	-	≈75-100 kg/m	-	-	-	-	≈75-100 kg/m	-	-	-	-
Safety													
Equipped for use of Safety-Clicks® up to 12,5 kg		●	●	-	-	-	-	●	-	-	-	-	●
Equipped for use of Safety-Pins > 12,5 kg		●	●	-	-	-	-	●	-	-	-	-	●
Hydraulic Clamping equipped with V-Lock®		-	-	●	●	●	●	-	●	●	●	●	-
Pillars for supporting wide bottom tools		-	-	-	○	-	○	-	-	○	-	○	-
Guards													
L = ca. 25 mm (Hardened steel)		●	●	●	●	●	●	-	-	-	-	-	-
L = ca. 12 mm (plastic)		-	-	-	-	-	-	●	●	●	●	●	●
E2M® with roll-out safety device L = ca. 25 mm (Hardened steel)		○	○	○	○	○	○	○	○	○	○	○	-

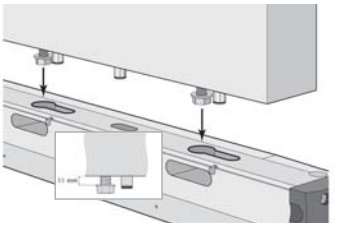
● = Standard ○ = Optional - = Not available ¹) Various UPB hole patterns are used, for more information please contact WILA. ²) Pneumatic Clamping. ³) See page 123. ⁴) Hydraulic Clamping.

NSCL-I New Standard Pro Clamping non-hardened version
ASCL-I American Style Clamping non-hardened version
NSCL-II New Standard Premium Clamping hardened version
NSCR-I New Standard Pro Crowning non-hardened version
OB-I New Standard Pro Bottom Tool Holder non-hardened version
NSCR-II New Standard Premium Crowning hardened version
OB-II New Standard Premium Bottom Tool Holder hardened version
HC Hydraulic Clamping. Used in Clamping, Crowning and Bottom Tool Holders
MC Mechanical Clamping. Used in Clamping, Crowning and Bottom Tool Holders
HD Heavy Duty
SL Pneumatic Clamping. Used on Premium Clamping and Bottom Tool Holders

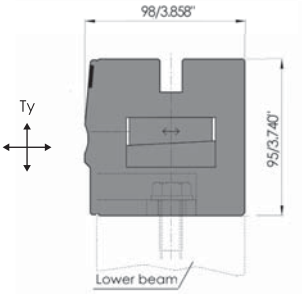
TOOL HOLDERS for every press brake

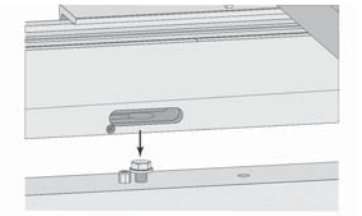
Mounting possibilities top and bottom tools





UPB (Universal Press Brake mounting to upper beam)*

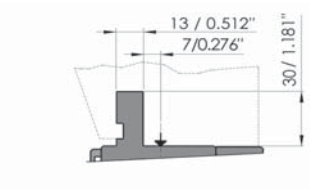




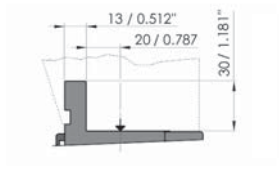
UPB (Universal Press Brake mounting to lower beam)*

* Various UPB hole patterns are used. For more information contact WILA

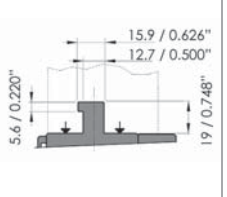
Examples of retrofit mounting solutions (top and bottom) for existing press brakes, other adaptions available.



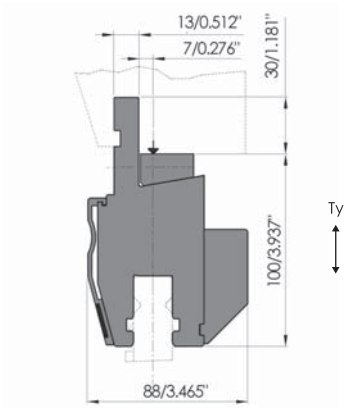
ES I
European Style I Adaption



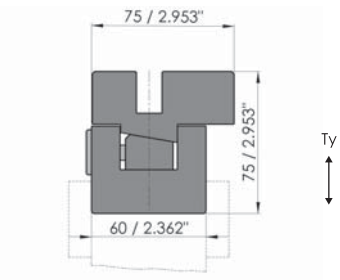
ES II
European Style II Adaption



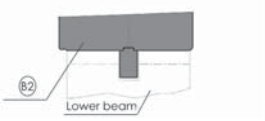
AS I
American Style I Adaption



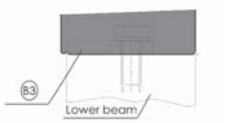
Example: Tool Holder with ES I adaption including Ty-alignment



Example: Tool Holder with ES IV adaption including Ty-alignment



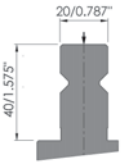
Adaption B2
For tang mounting to the slot in the lower beam



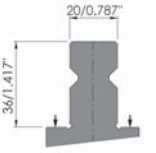
Adaption B3
For mounting to the lower beam to existing bolt hole pattern

ES IV
European Style IV
60 mm/2.362" wide adaption

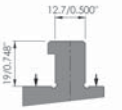
To suit New Standard top tools with NS I or II adaption, respectively American Style with AS I or II adaption.



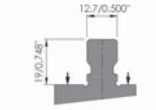
NS I
New Standard I adaption



NS II
New Standard II adaption

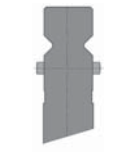


AS I
American Style I adaption



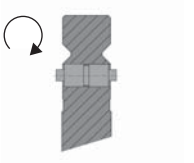
AS II
American Style II adaption

Safety-Click®
Applicable for tool weight up to 12.5 kg/28 lbs.
(NS I + II + AS II)



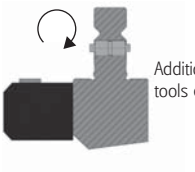
Safety-Pin
Applicable for tool weight > 12.5 kg/28 lbs - < 25 kg/56 lbs.
(NS I + II)

HD Safety-Pin
Applicable for tool weight > 12.5 kg/28 lbs - < 150 kg/331 lbs.
(NS I + II)



E2M®-HD
Applicable for tool weight > 12,5 kg/28 lbs - < 100 kg/220 lbs
(NS I & II)

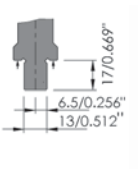
Safety-Key
Applicable for tool weight > 12,5 kg/28 lbs - < 150 kg/331 lbs (AS II)



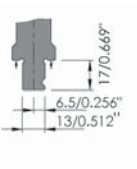
Additional roller bearing for large Gooseneck tools equipped with E2M® (NS I & II)

To suit New Standard and American Style bottom tools with NS V or NS VI adaption

Tool slot to suit for NS V and NS IV adaption



NS V
New Standard V adaption



NS VI
New Standard VI adaption with V-Lock®

E2M®
For bottom tools weight > 12.5 kg/28 lbs

Crowning centralized adjustment.

CNC
Motorized at the end of Crowning

H
Manual at the end of Crowning

Hf
Manual in the front of Crowning

Hy
Hydraulic at the end. Only in case of HD crowning with tool weight more than 4000 kg/8820 lbs.

A All New Standard and American Style Tool Holders are equipped with Guards. E2M® Guards come with roll-out prevention device.

B Tool Holders suitable for New Standard or American Style top tools provided with; Safety-Click®, Safety-Pin or E2M®. (E2M® with NS, Safety-Pin with AS only)

C Tool Holders suitable for 'Head' and 'Shoulder' load top tools.

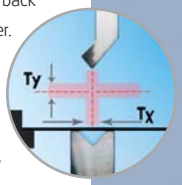
D Clamps tool segments from 10 mm/0.394" in length.

E Horizontal and Vertical loading of Tooling.

Top Tool Holders available with Hydraulic Clamping (HC) or Manual Clamping (MC).

Tx
Tool alignment in X-direction (in relation to the back gauge), ideally incorporated in every Tool Holder.

Ty
Tool alignment in Y-direction to compensate for unavoidable accumulated machining tolerances, to be incorporated in Tool Holders.



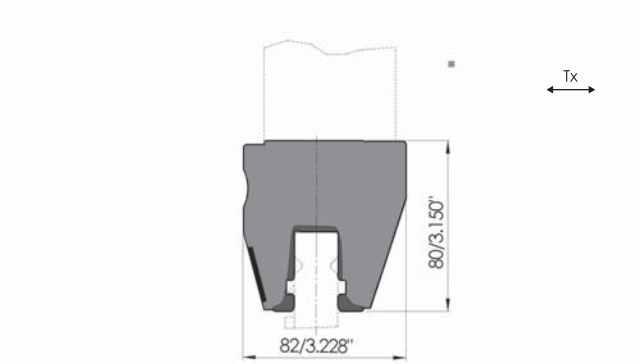
F Tool Holders suitable for 'Shoulder' load New Standard and American Style bottom tools with NS V and VI adaption.

G New Standard and American Style Tool Holders are available with Smart Tool Locator® (STL).

H Ty-alignment with localized adjustment dials.

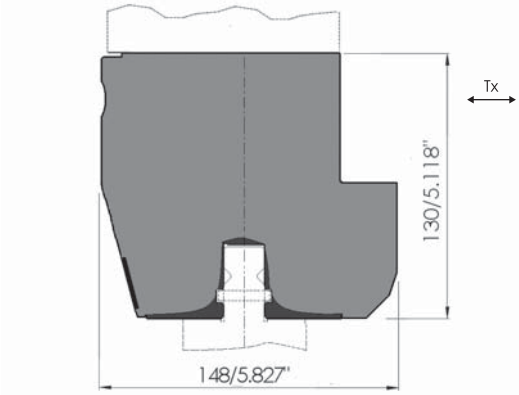
Bottom Tool Holders available with Hydraulic Clamping (HC) or Manual Clamping (MC).

NSCL-II-HC/UPB



	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	32 kg/m - 21.5 lbs/ft	
Max. load head/shoulders	250/300 t/m - 84/100 t/ft	

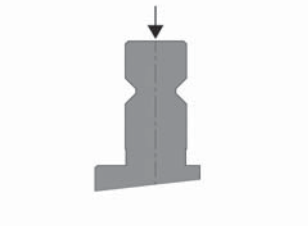
NSCL-HD-II-HC/UPB



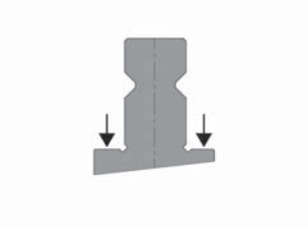
	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Designed for press brakes with UPB-IV hole pattern	●	
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	116 kg/m – 78 lbs/ft	
Max. load head/shoulders	250/800 t/m – 84/269 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS I head load

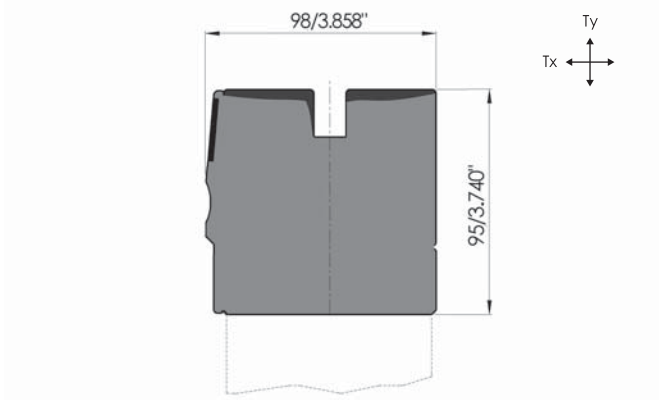


NS II shoulder load

SMART TOOL LOCATOR® (STL)

This intelligent ruler equipped with LED lighting immediately shows where tools must be placed in the Tool Holder. The Smart Tool Locator® also identifies the exact bending sequence.

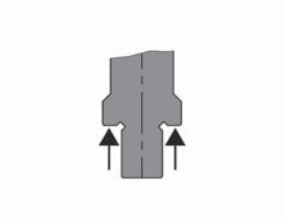
NSCR-II-HC-CNC/UPB



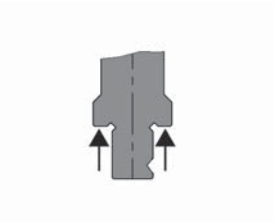
	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
Cover strip with scale	●	
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Ty-alignment behind Cover strip		○
Smart Tool Locator® (STL)*		○
Guard	●	
Drive unit CNC, Motor at one end	●	
Drive unit CNC, Motor completely built-in		○
Weight	66 kg/m – 44.3 lbs/ft	
Max. load shoulders	300 t/m - 100 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS V shoulder load



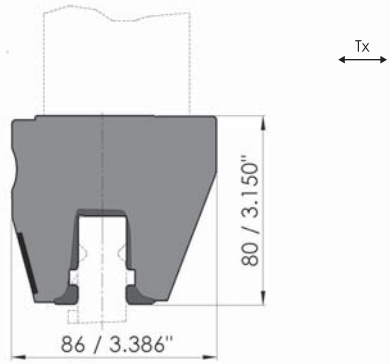
NS VI shoulder load with V-Lock®

V-LOCK®

The V-Lock® improves the clamping and positioning of bottom tools. A groove in the tool tang allows specially designed clamping pins to automatically align and firmly clamp bottom tools in both X and Y directions.

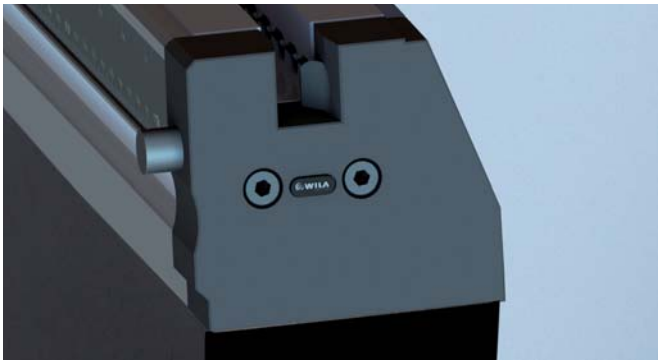
All newly manufactured New Standard Crowning and Bottom Tool Holders with Hydraulic Clamping will be supplied with specially designed clamping pins to take advantage of the V-Lock® feature.

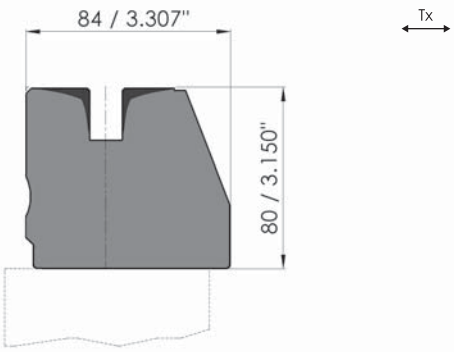
NSCL-II-SL/UPB



	Standard	Optional
Tool slot CNC-Deephardened®	●	
Pneumatic Clamping	●	
Designed for press brakes with UPB-II hole pattern	●	
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)		○
Guards	●	
Weight	33 kg/m - 22.2 lbs/ft	
Max. load head/shoulders	200 t/m - 68 t/ft	

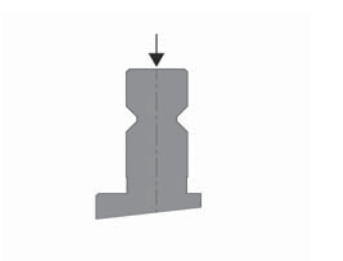
OB-II-SL/UPB



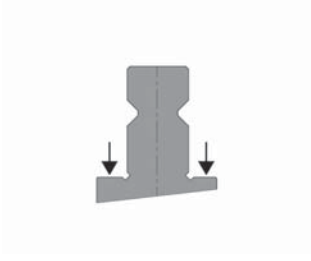


	Standard	Optional
Tool slot CNC-Deephardened®	●	
Pneumatic Clamping	●	
Designed for press brakes with UPB-VIII hole pattern	●	
B2 or B3 mounting		○
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)		○
Guards	●	
Weight	30 kg/m - 20 lbs/ft	
Max. load head/shoulders	200 t/m - 68 t/ft	

ADAPTION



NS I head load

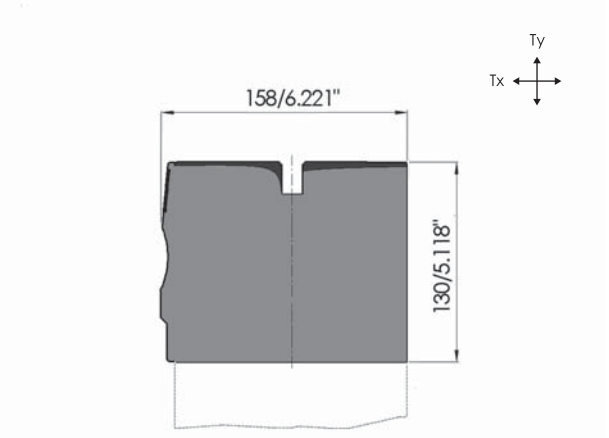


NS II shoulder load

SELF-LOCKING

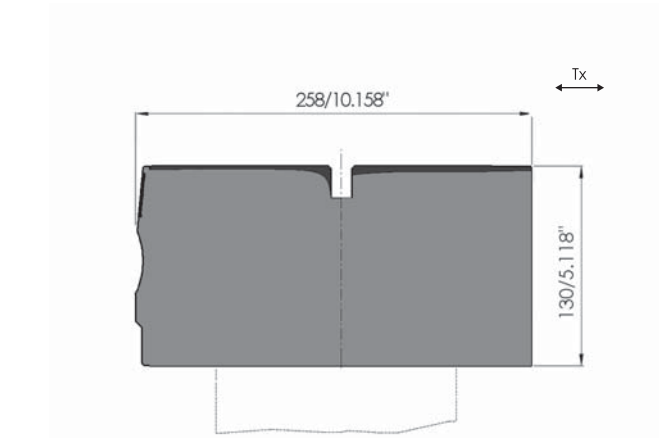
Tools are clamped using a pneumatically-controlled pair of self-adjusting wedges. When the wedges are engaged (clamped), they become an integral part of the tool. This means tools always remain clamped, even if there is loss of air pressure. Clamping is also released pneumatically.

NSCR-HD-II-HC-150-CNC/UPB



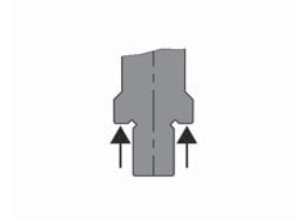
	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Designed for press brakes with UPB-VI hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Ty-alignment behind Cover strip		○
Smart Tool Locator® (STL)		○
Guard	●	
Drive unit CNC, Motor (max. tool weight 4000 kg – 8.820 lbs)	●	
Drive unit CNC, Hydraulic (tool weight > 4000 kg – 8.820 lbs)		○
Weight	154 kg/m – 103.3 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	800 t/m – 269 t/ft	

NSCR-HD-II-HC-250-CNC/UPB



	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Designed for press brakes with UPB-VII hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)		○
Guard	●	
Drive unit CNC, Motor (max. tool weight 4000 kg – 8.820 lbs)	●	
Drive unit CNC, Hydraulic (tool weight > 4000 kg – 8.820 lbs)		○
Weight	258 kg/m – 173 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	800 t/m – 269 t/ft	

ADAPTION



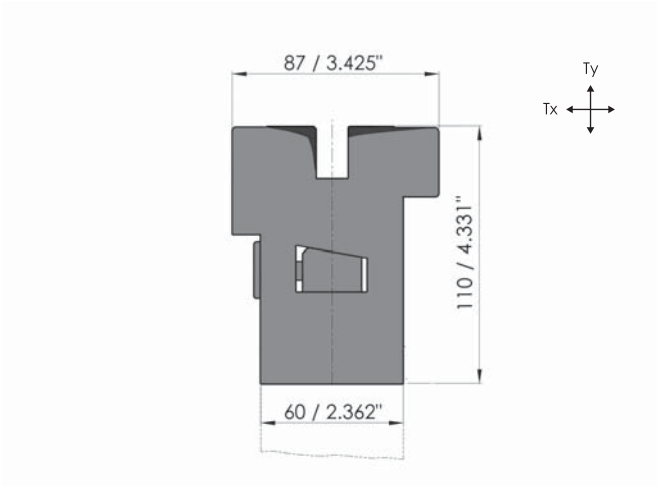
NS V shoulder load

NS VI shoulder load with V-Lock®

PILLAR

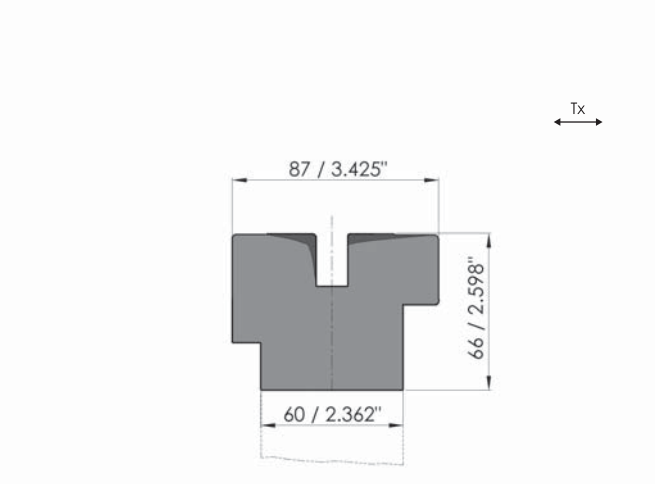
When using "HD" Tool Holders, it is possible to install 'pillars' to further support very wide and heavy bottom tools. These pillars offer additional stability to tools during the bending process. Available every 510 mm/20" on front and backside.

OB-II-HC-TY/UPB



	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
ES IV, B2 or B3 mounting**		○
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Weight	57 kg/m – 38.3 lbs/ft	
Max. load shoulders	300 t/m – 100 t/ft	

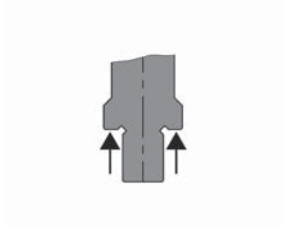
OB-II-HC/UPB



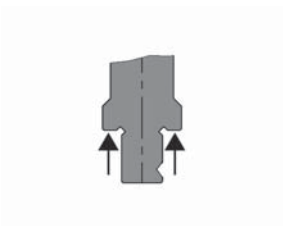
	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
ES IV, B2 or B3 mounting**		○
Tx-alignment	●	
Weight	37 kg/m – 24.8 lbs/ft	
Max. load shoulders	300 t/m – 100 t/ft	

** Height may change.

ADAPTION



NS V shoulder load

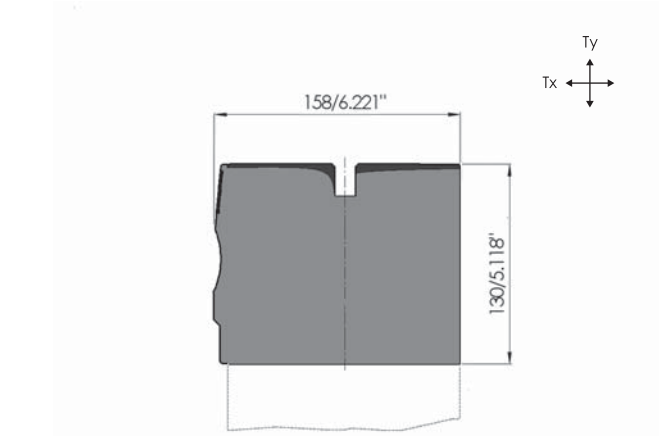


NS VI shoulder load with V-Lock®

TY-ADJUSTMENT

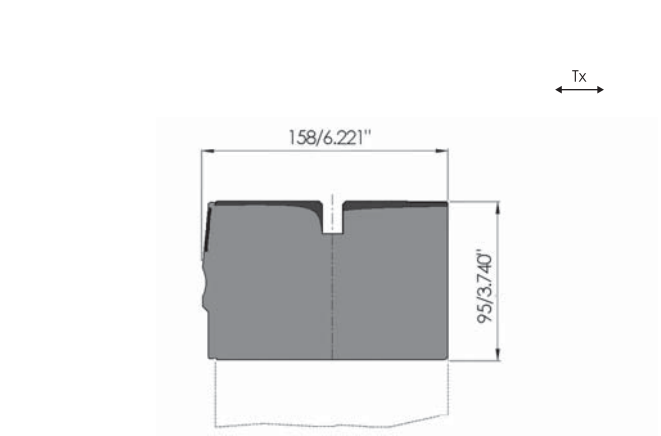
Ty-adjustment is crucial in achieving parallelism between top and bottom tools. Adjustment in Y direction makes it possible to fully compensate for unavoidable - cumulative - machining tolerances in the press brake. Either the top or bottom Tool Holder must be able to do this if one wants to achieve accurate and consistent bending results.

OB-HD-II-HC-TY/UPB



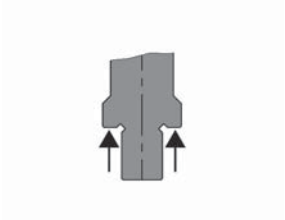
	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Designed for press brakes with UPB-VI hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Ty-alignment behind Cover strip		○
Smart Tool Locator® (STL)		○
Guards	●	
Weight	154 kg/m – 103.3 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	800 t/m - 269 t/ft	

OB-HD-II-HC/UPB

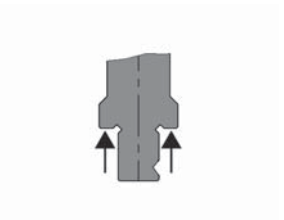


	Standard	Optional
Tool slot CNC-Deephardened®	●	
Hydraulic Clamping	●	
Designed for press brakes with UPB-VI hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)		○
Guards	●	
Weight	112 kg/m – 75 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	800 t/m - 269 t/ft	

ADAPTION



NS V shoulder load

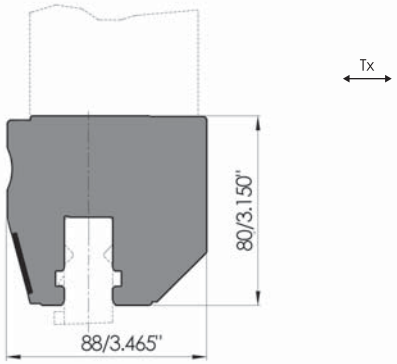


NS VI shoulder load with V-Lock®

CNC-DEEPHARDENING®

All press brake tools produced by WILA are CNC-Deephardened®. The same applies to WILA's New Standard Premium Tool Holders. This makes them extremely robust and durable. Our New Standard Premium Tool Holders are hardened as shown here.

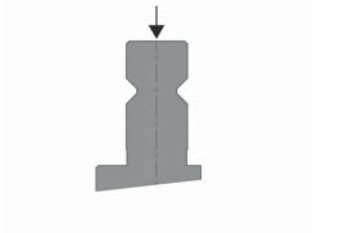
NSCL-I-HC/UPB



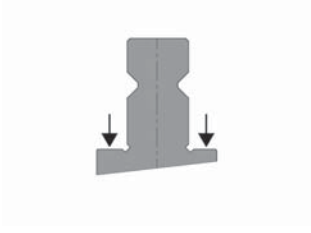
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	32 kg/m – 21.5 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION

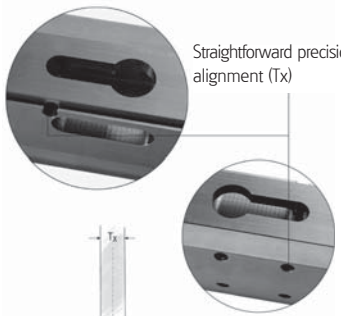


NS I head load



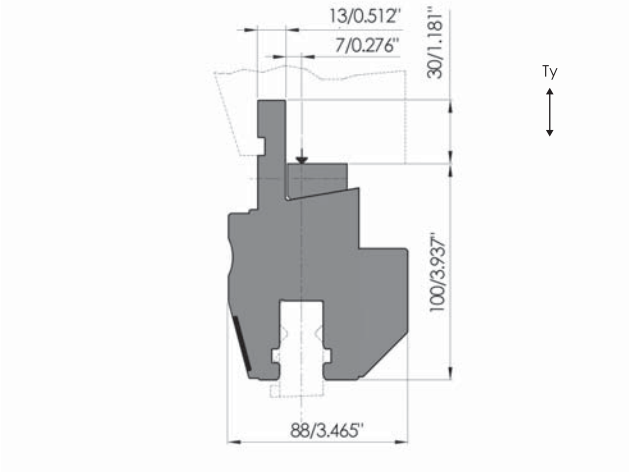
NS II shoulder load

TX-ADJUSTMENT



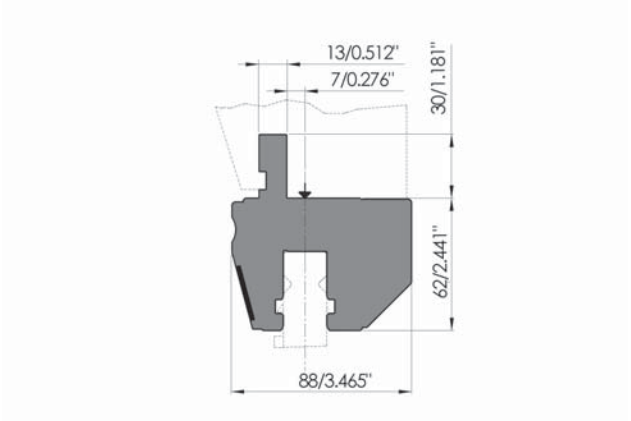
Tx-adjustment is needed to configure the position of the bending line (centerline of tools) in relation to the back gauge of the press brake, to an extremely high level of precision. Ideally, all Tool Holders should feature this capability.

NSCL-I-HC-TY/ES I



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with European Style I upper beam	●	
Cover strip with scale	●	
Ty-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	46 kg/m – 30.8 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

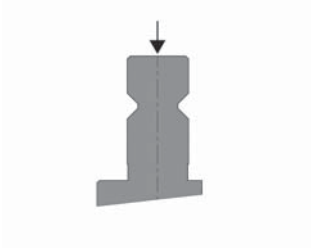
NSCL-I-HC/ES I



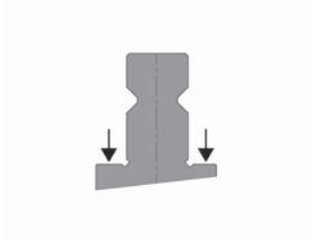
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with European Style I upper beam	●	
Available to suit any existing ram-style		○
Cover strip with scale	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	26 kg/m – 17.4 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS I head load

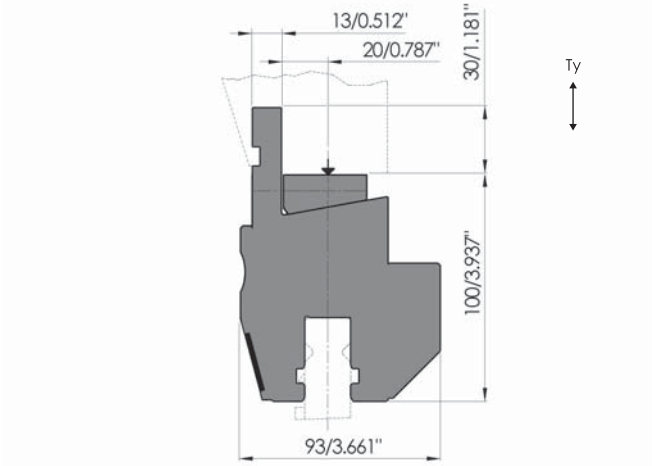


NS II shoulder load

GUARD FOR E2M®

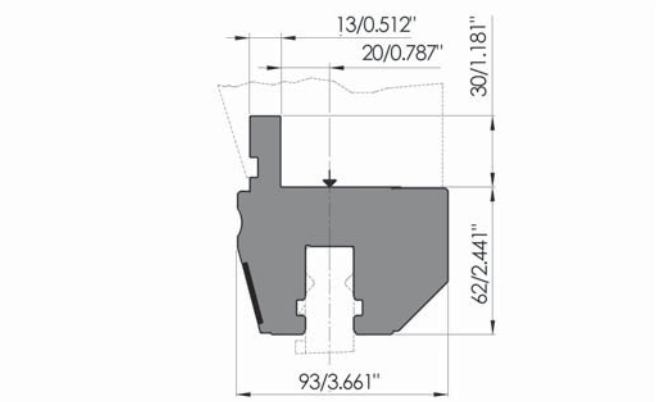
Special Guards are available for WILA's E2M® system. These Guards feature an E2M® locking device, which means tools cannot be removed by the clamp until the operator releases them.

NSCL-I-HC-TY/ES II



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with European Style II upper beam	●	
Cover strip with scale	●	
Ty-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	48 kg/m – 32.2 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

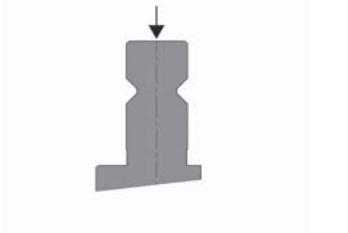
NSCL-I-HC/ES II



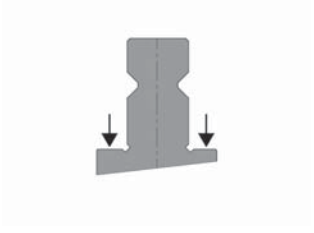
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with European Style II upper beam	●	
Available to suit any existing ram-style		○
Cover strip with scale	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	28 kg/m – 18.8 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS I head load

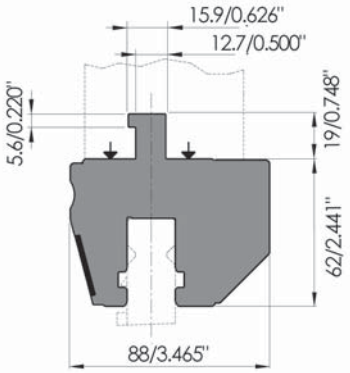


NS II shoulder load

GUARDS

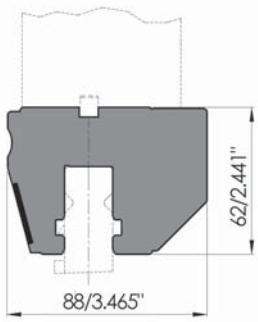
Guards are cover plates for the ends of the Tool Holders that make it easier to insert tools horizontally. In addition, Guards protect clamps and tools against damage.

NSCL-I-HC/AS I



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with American Style I upper beam	●	
Available to suit any existing ram-style		○
Cover strip with scale	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	26 kg/m – 17.4 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

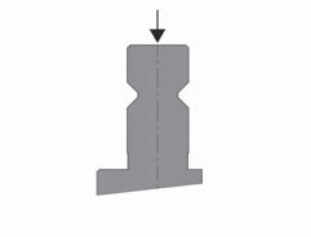
NSCL-I-HC/11766



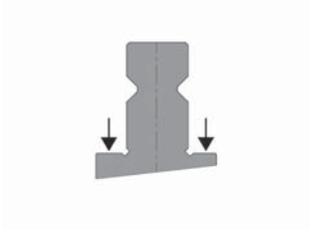
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed as replacement for press brakes equipped with Modufix clamping system	●	
Cover strip with scale	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	24 kg/m - 16.1 lbs/ft	
Max. load head/shoulders	180/250 t/m – 61/84 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS I head load

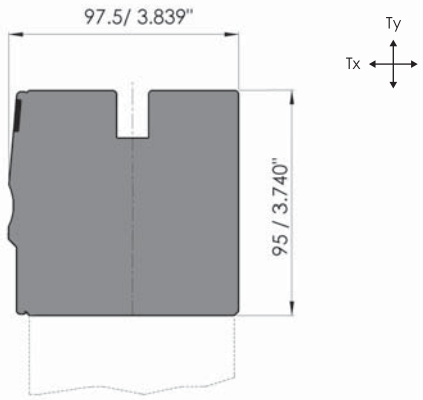


NS II shoulder load

MODUFIX CLAMPING SYSTEM

The current New Standard Tool Holder Clamping models can be seen as the successor to the ModuFix Clamping System, which was first introduced in 1990. For a possible replacement of this model, we offer you the NSCL-I-HC / 11766.

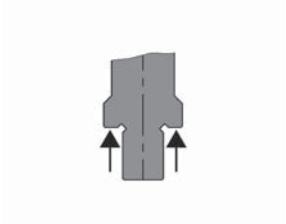
NSCR-I-HC-CNC/UPB



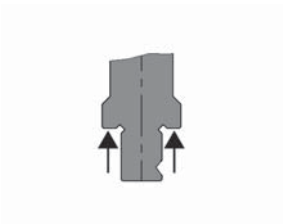
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		o
Designed for press brakes with UPB-II hole pattern	●	
B2 or B3 mounting		o
Cover strip with scale	●	
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Ty-alignment behind Cover strip		o
Smart Tool Locator® (STL)*		o
Guard	●	
Drive unit CNC, Motor at one end	●	
Drive unit H, Hand crank assembly at one end		o
Drive unit Hf , manually in the front		o
Weight	66 kg/m – 44.2 lbs/ft	
Max. load shoulders	200 t/m – 68 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS V shoulder load

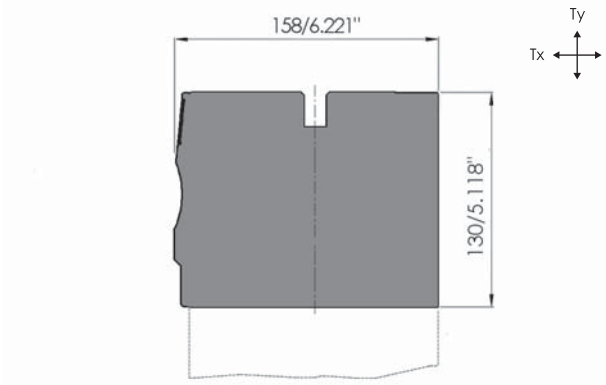


NS VI shoulder load with V-Lock®

CRM 7 CNC DRIVE MOTOR

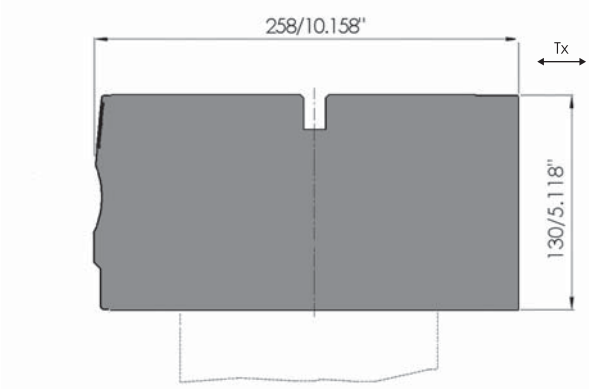
CRM 7 is a CNC-driven drive motor which has been designed for New Standard Pro Crowning. This motor makes it possible to horizontally insert and remove bottom tools from both ends. The CRM 7 motor is available for crowning lengths up to 4300 mm/14 ft.

NSCR-HD-I-HC-150-CNC/UPB



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-VI hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Ty-alignment behind Cover strip		○
Smart Tool Locator® (STL)*		○
Guard	●	
Drive unit CNC, Motor (max. tool weight 4000 kg – 8.820 lbs)	●	
Drive unit CNC, Hydraulic (tool weight > 4000 kg – 8.820 lbs)		○
Weight	154 kg/m – 103.2 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	500 t/m – 168 t/ft	

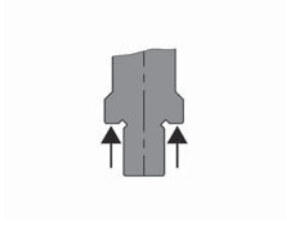
NSCR-HD-I-HC-250-CNC/UPB



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-VII hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)*		○
Guard	●	
Drive unit CNC, Motor (max. tool weight 4000 kg – 8.820 lbs)	●	
Drive unit CNC, Hydraulic (tool weight > 4000 kg – 8.820 lbs)		○
Weight	258 kg/m – 173 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	500 t/m – 168 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



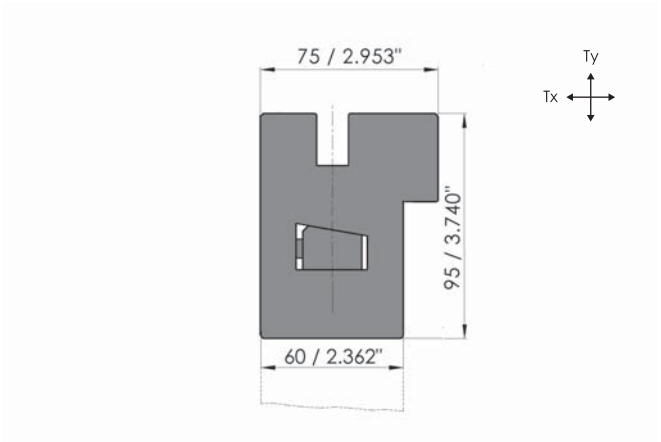
NS V shoulder load

NS VI shoulder load with V-Lock®

MANUAL CLAMPING OF BOTTOM TOOLS

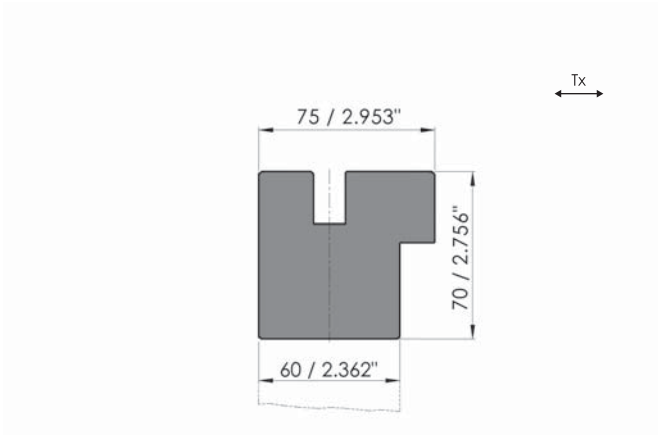
If bottom tool changeovers are not needed often, Premium and Pro Crowning/Bottom Tool Holder models with manual clamping are available as well. Manual Clamping is achieved via clamping bolts at a distance of every 25 mm/1", in the center 1.000 mm/40" and every 100 mm/4" towards each end, allowing the clamping of tool segments as small as 15 mm/0.591" in length.

OB-I-HC-TY/UPB



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
ES IV, B2 or B3 mounting**		○
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Weight	45 kg/m – 30.2 lbs/ft	
Max. load shoulders	200 t/m – 68 t/ft	

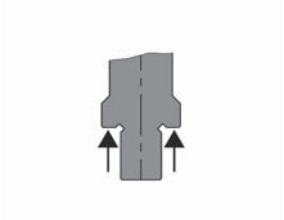
OB-I-HC/UPB



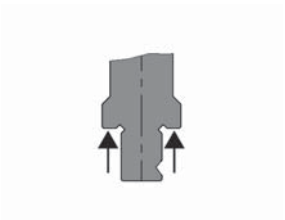
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
ES IV, B2 or B3 mounting**		○
Tx-alignment	●	
Weight	35 kg/m – 23.5 lbs/ft	
Max. load shoulders	200 t/m – 68 t/ft	

** Height may change.

ADAPTION



NS V shoulder load

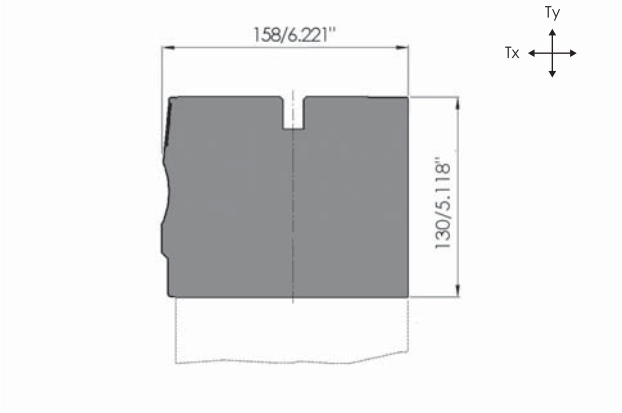


NS VI shoulder load with V-Lock®

TY-ADJUSTMENT

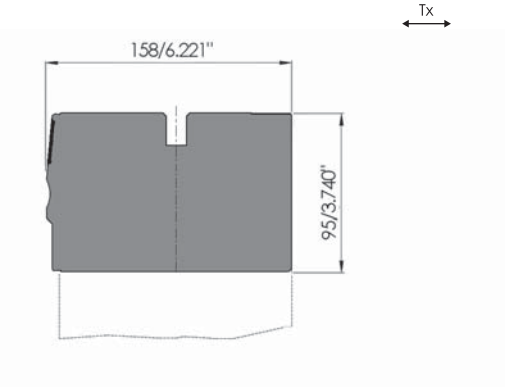
Ty-adjustment is crucial in determining the parallelism between top and bottom tools. Adjustment in Y direction makes it possible to fully compensate for unavoidable - cumulative - processing tolerances in the press brake. Either the top or bottom Tool Holder must be able to do this if one wants to achieve accurate and consistent bending results.

OB-HD-I-HC-TY/UPB



	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-VI hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Ty-alignment permanently accessible	●	
Ty-alignment behind Cover strip		○
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	154 kg/m – 103.3 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	500 t/m – 168 t/ft	

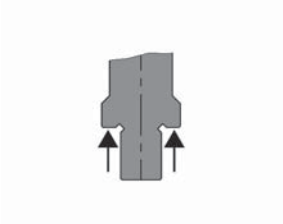
OB-HD-I-HC/UPB



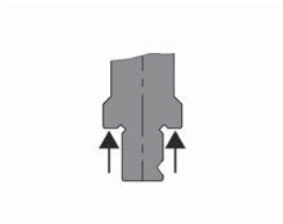
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-VI hole pattern	●	
B2 mounting to the lower beam instead of UPB		○
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	112 kg/m – 75 lbs/ft	
Pillars for supporting extra wide bottom tools		○
Max. load shoulders	500 t/m – 168 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



NS V shoulder load

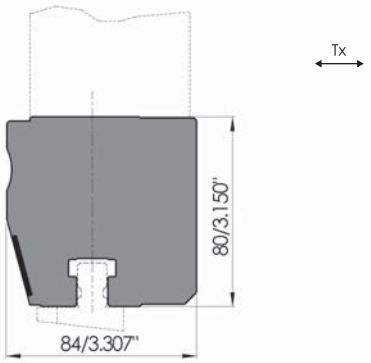


NS VI shoulder load with V-Lock®

E2M® / E2M®-HD

WILA's patented E2M® (Easy to Move) innovation uses E2M® roller bearings in tools to easily, safely and quickly move heavy tools (E2M® > 12,5 kg/28 lbs - < 25 kg/56 lbs / E2M®-HD > 25 kg/56 lbs - < 100 kg/220 lbs.), thus significantly reducing setup time.

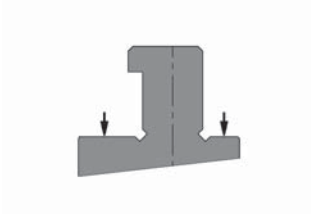
ASCL-I-HC/UPB



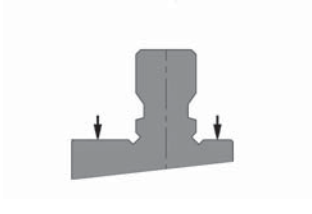
	Standard	Optional
Hydraulic Clamping	●	
Manual Clamping		○
Designed for press brakes with UPB-II hole pattern	●	
Cover strip with scale	●	
Tx-alignment	●	
Smart Tool Locator® (STL)*		○
Guards	●	
Weight	34.5 kg/m – 23.1 lbs/ft	
Max. load shoulders	230 t/m – 77 t/ft	

* Not available for Tool Holders with Manual Clamping.

ADAPTION



AS I shoulder load

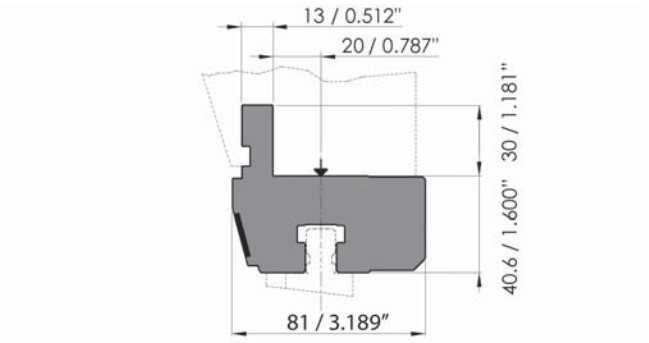


AS II shoulder load

MANUAL CLAMPING SYSTEM

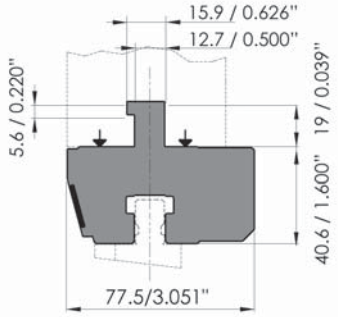
Within the framework of its UPB concept WILA has also included a mechanical clamping system in its program for American Style tools. This is a mechanical system in which the clamping is achieved by a continuous body with clamping plates. The top tools are clamped by manually tightening the clamping plates; the tools are not seated automatically. This mechanical system can be used for both the standard American Style top tools and the American Style top tools WILA re-designed with Safety-Click®.

ASCL-I-HC/ES II



	Standard	Optional
Hydraulic Clamping	●	
Designed for press brakes with European Style II upper beam	●	
Designed for press brakes with European Style I upper beam		○
Cover strip with scale	●	
Guards	●	
Weight	18.5 kg/m – 12.4 lbs/ft	
Max. load shoulders	230 t/m – 77 t/ft	

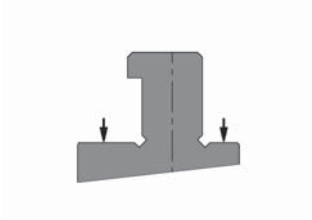
ASCL-I-HC/AS I



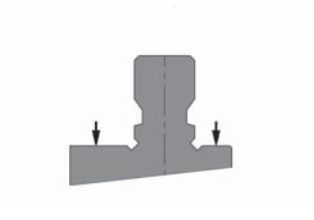
	Standard	Optional
Hydraulic Clamping	●	
Designed for press brakes with American Style I upper beam	●	
Cover strip with scale	●	
Guards	●	
Weight	18.5 kg/m – 12.4 lbs/ft	
Max. load shoulders	230 t/m – 77 t/ft	

Smart Tool Locator® (STL) not available for Clamping with working height under 55 mm/2.165".

ADAPTION



AS I shoulder load

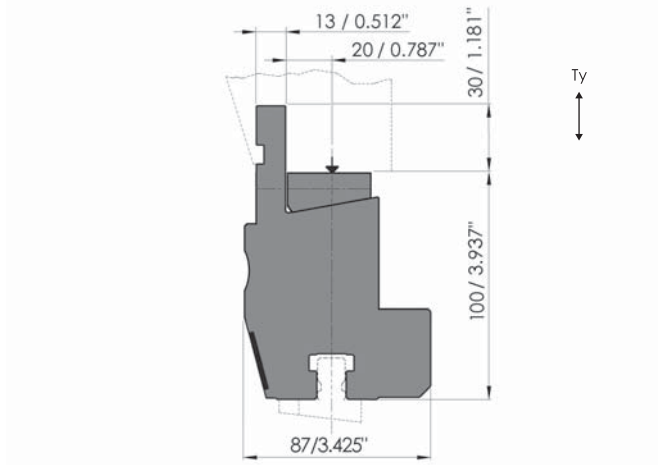


AS II shoulder load

HYDRAULIC POWER PACKS

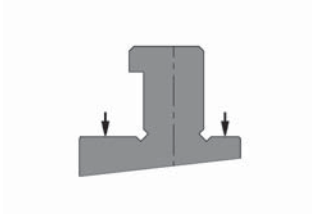
For use in combination with Tool Holders with Hydraulic Clamping. Operation via push button on the power pack, via remote control, or fully integrated in the press brake. See also page 123.

ASCL-I-HC-TY/ES II

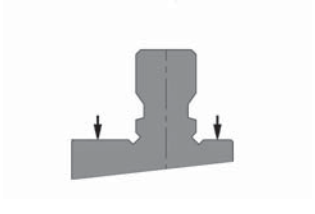


	Standard	Optional
Hydraulic Clamping	●	
Designed for press brakes with European Style II upper beam	●	
Designed for press brakes with European Style I upper beam		○
Cover strip with scale	●	
Ty-alignment	●	
Smart Tool Locator® (STL)		○
Guards	●	
Weight	43 kg/m – 28.8 lbs/ft	
Max. load shoulders	230 t/m – 77 t/ft	

ADAPTION



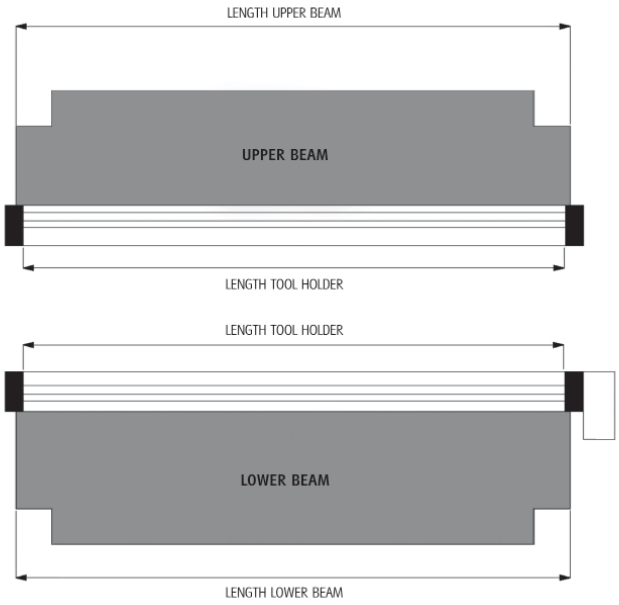
AS I shoulder load



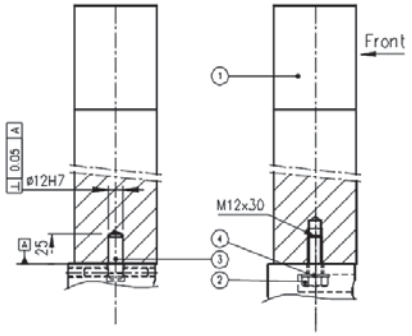
AS II shoulder load

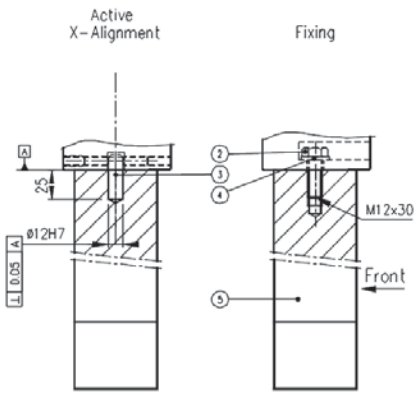
TOOLADVISOR

The ToolAdvisor offers clear advice about which tools will suit your needs. It also offers information about, for example, the required tonnage, the resulting inside radius, and the minimum flange length. The WILA ToolAdvisor can be downloaded as a free App from the App Store and Google Play.



UPPER BEAM

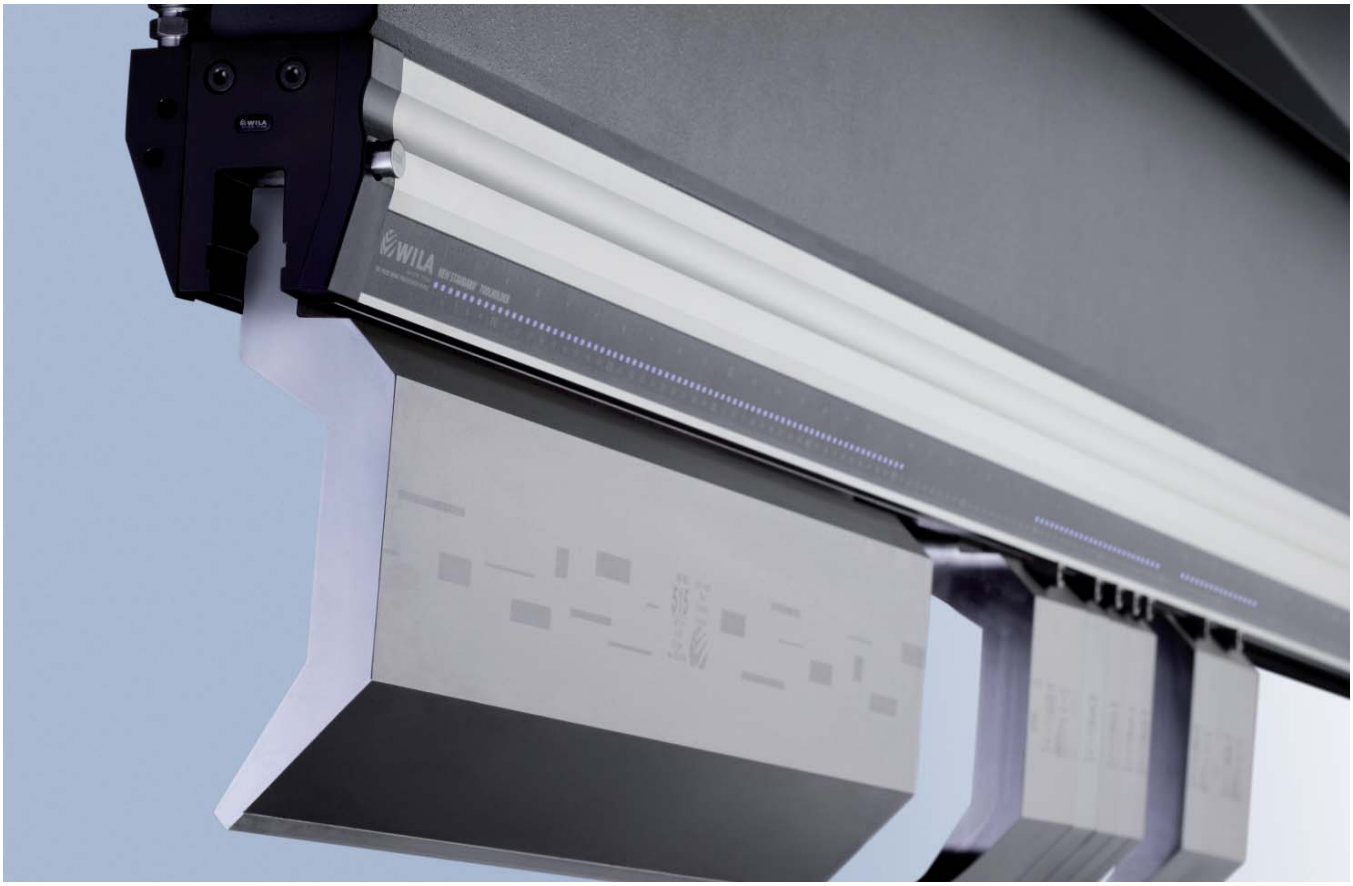




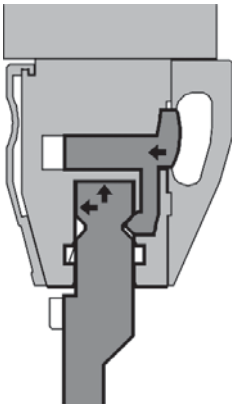
LOWER BEAM

AVAILABLE LENGTHS TOOL HOLDERS	
1020 mm*	5270 mm
1190 mm/4 ft	5440 mm
1275 mm	5610 mm*
1530 mm*	6120 mm*/20 ft
1785 mm/6 ft	6290 mm
2040 mm*	6630 mm*
2210 mm	7140 mm*
2380 mm/8 ft	7310 mm/24 ft
2550 mm*	7650 mm*
2720 mm	8160 mm*
3060 mm*/10 ft	8500 mm/28 ft
3230 mm	8670 mm*
3570 mm*	9180 mm*/30 ft
3655 mm/12 ft	9520 mm
4080 mm*	9690 mm*
4250 mm/14 ft	10200 mm*
4335 mm *	10710 mm*
4420 mm	11220 mm*
4590 mm*	11730 mm*
4845 mm*/16 ft	12240 mm*/40 ft
5100 mm*	

* Tool Holders equipped with UPB VI and VII pattern (Heavy Duty). For more information about other lengths contact WILA.



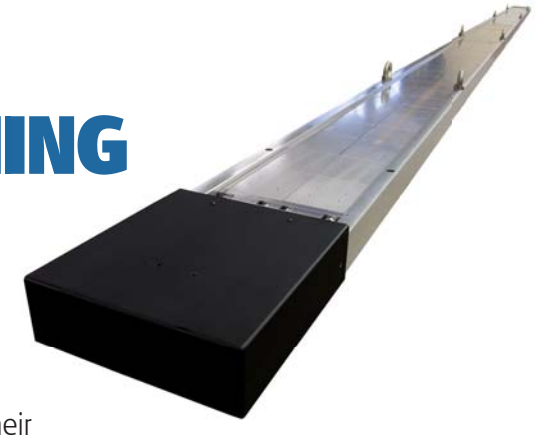
MAXIMUM PULL UP WEIGHT TOP TOOLS (SELF-SEATING)			
	Hydraulic Clamping	Mechanical Clamping	Pneumatic Clamping
Premium			
New Standard Premium Clamping	300 kg/m - 205 lbs/ft	180 kg/m - 123 lbs/ft	70 kg/m - 48 lbs/ft
New Standard HD Premium Clamping	1000 kg/m - 670 lbs/ft	-	-
Pro			
New Standard Pro Clamping	100 kg/m - 68 lbs/ft	180 kg/m - 123 lbs/ft	-
American Style			
American Style Clamping	75 k/m - 52 lbs/ft	-	-



Note: These are minimum pull up weight ratings based on gooseneck style top tools; straight type top tools will have higher weight ratings.

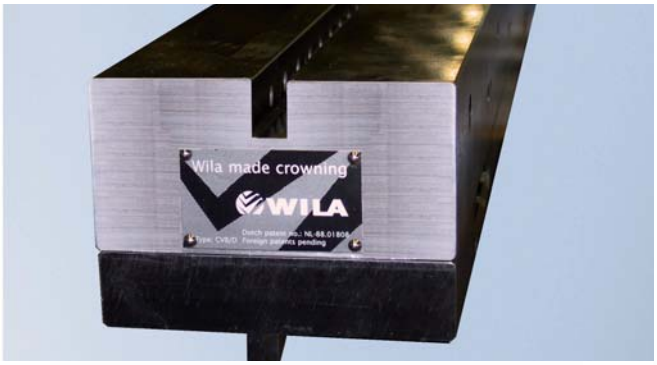
CROWNING

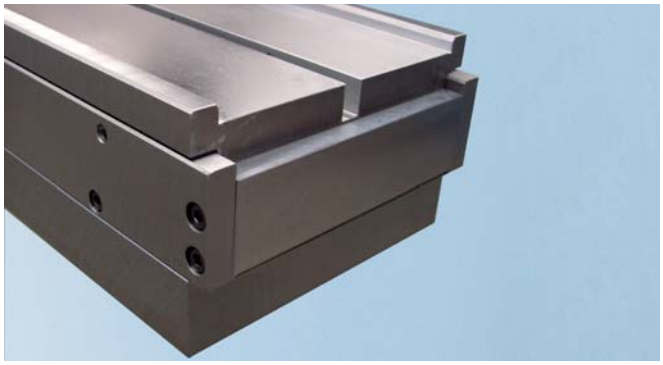
CUSTOM STYLE CROWNING

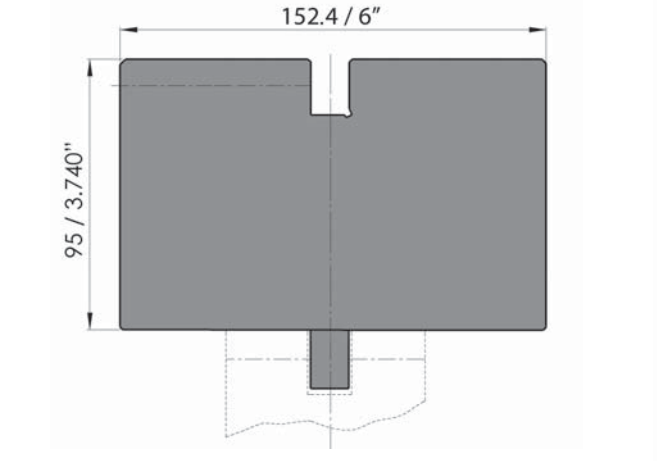


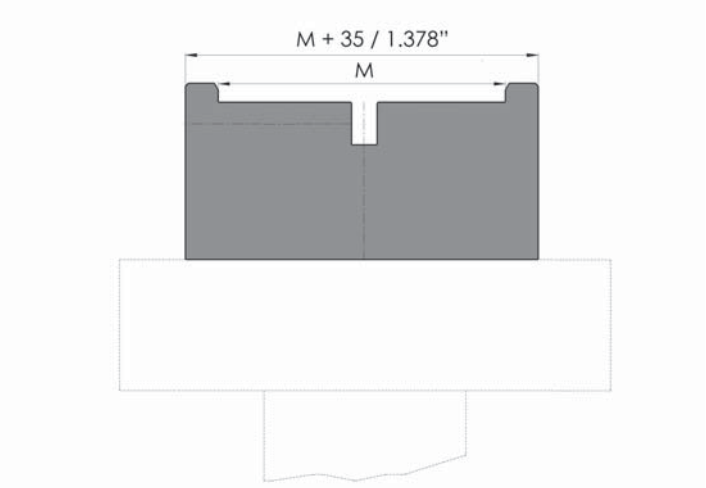
Aside from the standard New Standard Premium and New Standard Pro crowning models, WILA also offers customized crowning systems. These customized crowning systems can be engineered in collaboration with the customer, in order to meet their particular requirements and the tooling style and size range that will be used.

Customized crowning systems have been supplied as long as 15 m/50 ft , as wide as 600 mm/24", and to support a tool weight as heavy as 16000 kg/36000 lbs. Some of the most popular customized crowning models are 'CSCR-E-WIDE' (with a wider width for using large V-opening dies or 4-Way dies) and 'CSCR-Q' (suitable for both square Multi-V bottom tools and Single-V-Tools).





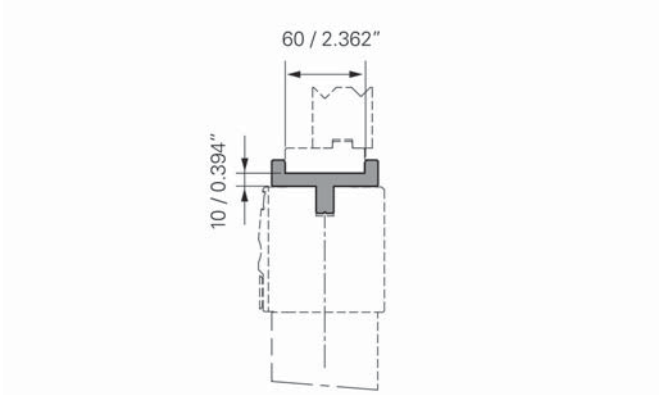




CSCR-E-WIDE
Centrally adjustable crowning system with mechanical clamping and localized Y (Ty) alignment. Suitable for holding single V-tools (New Standard and American Style). Available with A3 Hydraulic Clamping pins as an option. Can be supplied with CNC motor or with H hand crank assembly.

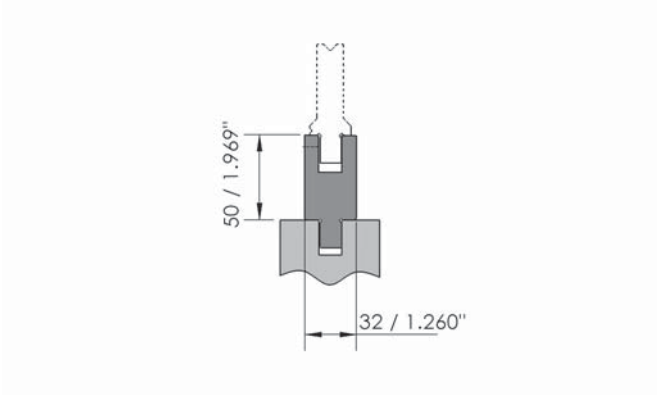
CSCR-Q
Centrally adjustable crowning system, suitable for holding square bottom tools (M dimensions needed with order) and single V-tools (New Standard and American Style). To be placed on top of the table; with B2 tang mounting optional.

OB-958



	Standard	Optional
Makes the crowning with Cover strip suitable for European bottom tools with a width of 60 mm	●	
Weight	10.1 kg/m - 6.8 lbs/ft	
Max. load	200 t/m - 68 t/ft	

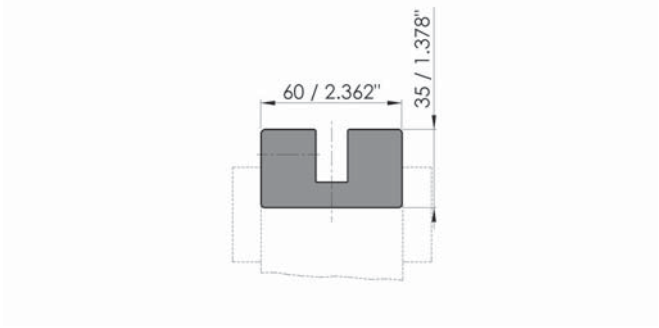
OBU-107



Type	Length	Weight kg	Weight lbs	Max load
OBU-107/1	515 mm	6	13.2	100 t/m 34 t/ft

Die riser to increase working height of existing OZU bottom tools.

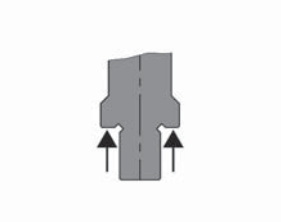
OB-953 MANUAL CLAMPING



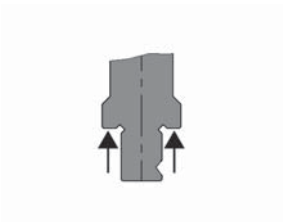
	Standard	Optional
B2, UPB or B3 mounting**		o
Weight	6.7 kg/m - 4.5 lbs/ft	
Can be used for New Standard and American Style single V-tools (available also in 515 mm length)	●	
Max. load shoulders	200 t/m - 68 t/ft	

** Height may increase.

ADAPTION



NS V shoulder load

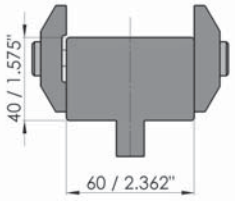


NS VI shoulder load with V-Lock®

BOTTOM TOOL HOLDER OB-958

With optional Bottom Tool Holders model OB-958 every Clamping designed for New Standard and American Style bottom tools can be made suitable for European Style bottom tools with a width of 60mm/2.362".

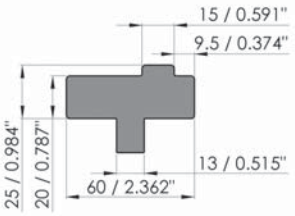
THU-801



Type	Length	Weight kg	Weight lbs	Max load
THU-801/1	515 mm	16.4	36.3	100 t/m 34 t/ft

Bottom Tool Holder, American Style to European Style. Working height 40 mm/1.575". Suitable for use in combination with 1 V-bottom tool. Provided with clamping plates type TK-036 on front and back

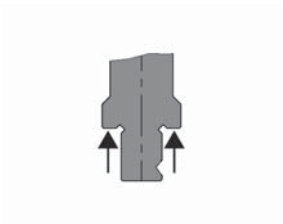
THU-802



Type	Length	Weight kg	Weight lbs	Max load
THU-802/1	515 mm	6.2	13.6	100 t/m 34 t/ft

Bottom Tool Holder, American Style to European Style. Working height 20 mm/0.787". Suitable for use in combination with 2 V-bottom tool.

ADAPTION



NS VI shoulder load with V-Lock®

PRESS BRAKE PRODUCTIVITY WAX

Press Brake Productivity Wax is a spray that has been specially developed for cleaning, maintaining and protecting WILA tools.