
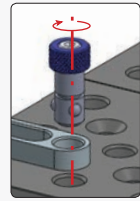


KEY ELEMENTS in the BuildPro® Modular Fixturing System

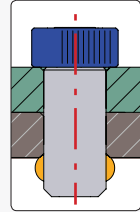
NEW DESIGN



*** Ball Lock Bolt**
- An essential component in Modular Fixturing!



Finger tighten the knurled head after insertion to preload before tightening with Hex Key.



Three locking steel balls move outward to lock the bolt in position.

Ball Lock Bolts are key to the efficient set up of Modular Fixtures on your BuildPro® Tabletop. Use the Ball Lock Bolts to fasten clamping elements to the BuildPro® Tabletop, or fasten two clamping elements together.

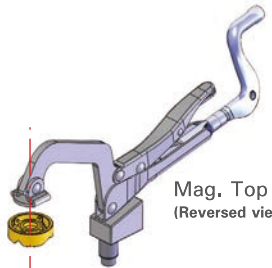
Basic Hold Down Clamping:

- Inserta Clamps
- Sliding Channel Clamps
- Inserta Pliers
- Good Hand® Toggle Clamps

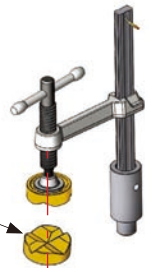
Stop, Position, & Locate Stock:

- Right Angle Brackets
- Straight Edge Stops
- Econo Stop & Clamping Squares
- Malleable Cast Iron Clamping Squares
- Heavy Duty Riser Blocks
- Stops, Rests, and V-Blocks

Clamps



Inserta Pliers

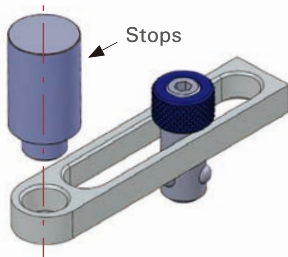


Inserta Clamps

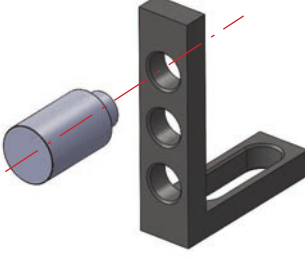
Mag. Top V-Pads (Reversed view)

Quick hold-down clamping of flat, square, angled or round parts.

Locate / Stop



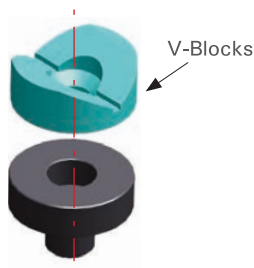
D-Stop Bars



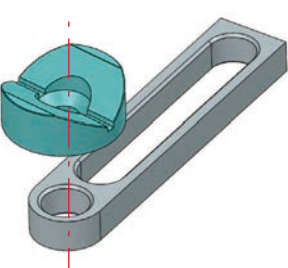
Right Angle Brackets

Stop, locate, and position parts.

Support Round Stock



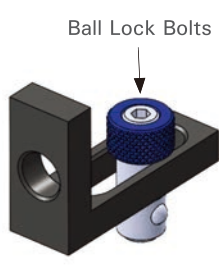
V-Block Spacers



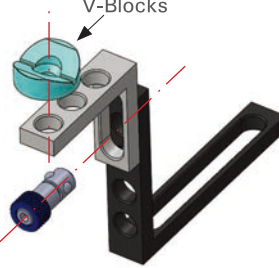
D-Stop Bars

Elevate and hold round parts.

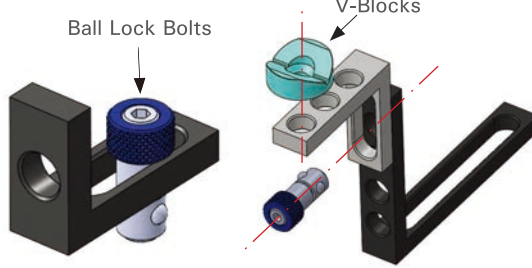
Stop / Locate / Elevate



Ball Lock Bolts



V-Blocks



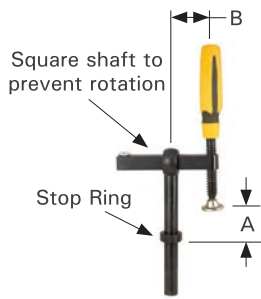
Right Angle Brackets

Stop and locate parts.

Stack Right Angle Brackets to elevate and hold round parts.

CLAMPS

T-POST CLAMPS



T61650

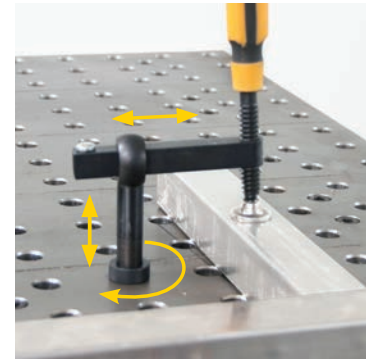


T51655

Place the Adjustable T-Post Clamp in any of the Ø16 mm holes on the BuildPro® Tabletop or Heavy Duty Riser Blocks for vertical hold down clamping.

Adjust the clamp arm along the vertical or horizontal axis for each unique hold down application. Adjustable arm provides precise clamping location by sliding the spindle to any desired pressure point.

Move the Stop Ring as needed to set the height of the clamp.



Part No.	Handle	Clamping Capacity A (mm)	Throat Depth B (mm)	Weight (kg)
T61650	Straight	Max. 114	44.5 - 82.5	0.6
T51655	T-Handle	Max. 114	44.5 - 82.5	0.6

Multi-Directional

PIVOTING T-POST CLAMP



Vertical Clamping

Angled Clamping

Horizontal Clamping



A magnetic top V-Pad (Part No. T64217) is INCLUDED for clamping round stock and square tubing edges.

Use the versatile Pivoting T-Post Clamp to apply angled clamping force. Clamp stock horizontally and vertically.

For **vertical** hold down clamping, or **angled** clamping, place the fixed Vertical Clamp arm, with Pivoting Spindle, in the clamp post.

For **horizontal** clamping, remove the fixed Vertical Clamp arm and Pivoting Spindle from the clamp post, and place directly into the tabletop holes.

Part No.	Clamping Capacity A (mm)	Throat Depth B (mm)	Weight (kg)
T61670	Max. 140	44.5 - 127	0.9





T-Handle
UDN6150 | UEN6200



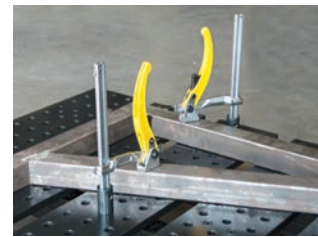
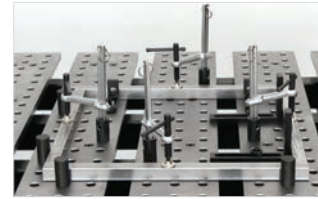
Ratchet Handle
UERN6200

INSERTA CLAMPS

Place the Inserta Clamps into the 16 mm holes on the BuildPro[®] tabletop and squares for fast, easy clamping. Clamp in the vertical or horizontal position at any height.

The Ratchet Handle Model is ideal for tight space clamping, and the ratchet mechanism ensures rapid, vibration and torsion resistant clamping.

Clip the optional Top V-Pads (pg. 39) onto the top spindle to clamp round or angled stock. Remove the clamp arm by depressing the spring stop, and slide the Sidekick attachment (pg. 39) onto the clamp bar, followed by the clamp arm, for two point horizontal and vertical clamping force.

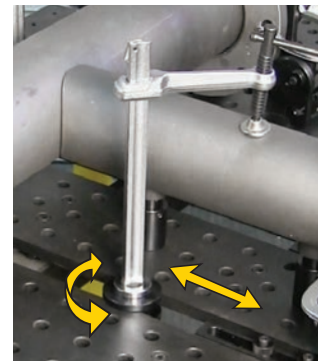


Part No.	Clamping Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Weight (kg)
UDN6150	150	83	135	16 x 8	0.6
UEN6200	200	100	180	20 x 10	1.0
UERN6200	200	100	180	20 x 10	1.0

SLIDING CHANNEL CLAMPS *



The 360° Sliding Channel Clamp slides into the 40 mm spacing between plates which enables the clamp body to slide along the entire surface and swivel 360° for positioning at any point.



Part No.	Clamping Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Weight (kg)
T61405	200	120	230	22 x 11	1.6
T61510	300	120	270	25.4 x 11.9	2.2
T61615	500	140	320	32 x 14	3.7

* Not applicable to slotless tables.

CLAMP ACCESSORIES

SIDEKICKS

Slide the Sidekick onto the clamp rail of Inserta Clamps and Sliding Channel Clamps for horizontal clamping force.



Part No.	For Inserta Clamps	For Sliding Channel Clamps	Stroke (mm)	Weight (kg)
XDSM	UDN6150	--	25	0.3
XFSM	--	T61405	35	0.6
XGSM	--	T61510	35	0.6
XMSM	--	T61615	35	0.6



V-PADS

Add the Magnetic Top V-Pad onto the swivel pad to hold round, square, flat, and angled stock.

Optional Clip-on Top V-pad clips onto the swivel pad for clamping round parts or 2 parts at once.



Alum. Magnetic Top V-Pad
T64217 | T64219



Clip-on Top V-Pads



Stainless Steel V-Pads
XDA2S | XFA2S

	Part No.	For Inserta Clamps	For T-Post Clamps	For Sliding Channel Clamps	Weight (kg)
Aluminum	T64217	UDN6150	T61650, T51655, T61670	--	0.02
	T64219	UEN6200	--	T61405 & T61510	0.02
Stainless Steel	XDA2	UDN6150	T61650, T51655, T61670	--	0.1
	XFA2	UEN6200	--	T61405 & T61510	0.2
	XMA2	--	--	T61615	0.3
	XDA2S	UDN6150	T61650, T51655, T61670	--	0.1
	XFA2S	UEN6200	--	T61405 & T61510	0.2



MAGNETIC PLUGS

Set of four 25 mm Magnetic Plug / Rest Button can be used on any flat surface, inserted into the holes on the BuildPro® Table or the holes on BuildPro® Economy Clamping Squares.



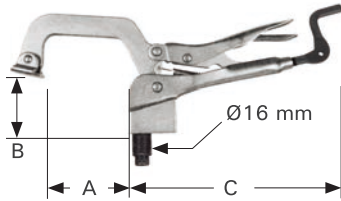
Part No.	Description	Weight (kg)
T65410-K4	4 pc. of Magnetic Plugs	0.1



Magnet keeps sheet metal in vertical position

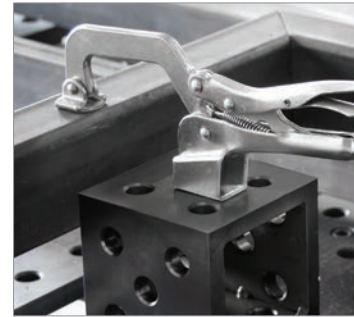
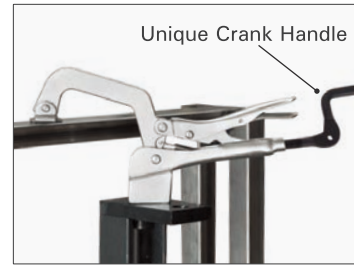
INSERTA PLIERS

Insert into Ø16 mm for fast hold-down clamping.



Mount on the Right Angle Bracket, Riser Block, or Clamping Squares for push down clamping at an elevated height for taller workpieces. The patented rear crank handle allows clamp pressure adjustment while the clamp is in locked position. Use the crank handle to pre-set the clamp opening in repetitious clamping applications.

** Can be used with Magnetic Top V-Pads. See pg. 37.*



Part No.	Throat Depth A (mm)	Opening B (mm)	C (mm)	Weight (kg)
PT07K	50	60	150	0.3
PT09K	75	100	200	0.4
PT11K	85	100	265	0.7
PT14K	155	120	265	0.9

MOUNTING ADAPTER for the Inserta Pliers

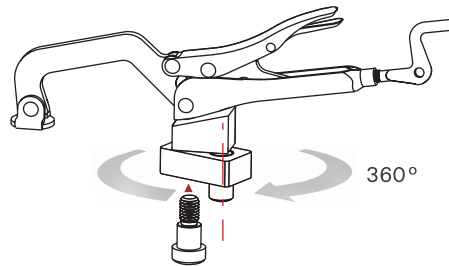
It allows you to precisely place the tip of the Inserta Pliers anywhere on the table surface.

The Mounting Adapter swivels 360° and provides a 25 mm extension of the Inserta Pliers base for the extended reach, or retraction, of the Inserta Pliers as needed for precise placement of the clamping pad.

Simply replace the existing stud on the Inserta Pliers with the swivel Mounting Adapter.



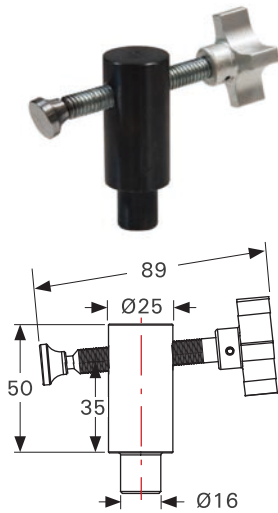
Patent Pending



Part No.	Thread	Weight (kg)
T66010	M8	0.18

CLAMPS

SIDE CLAMP



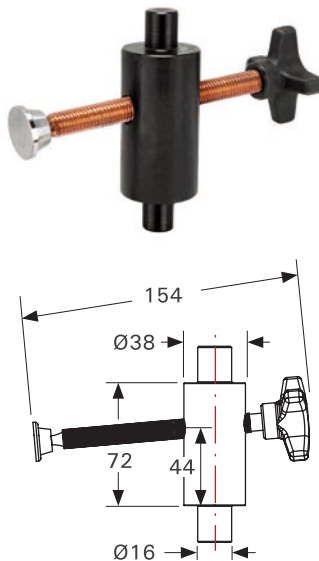
Insert into the Buildpro® table holes for low profile, light duty, horizontal clamping.

A turn of the aluminum knob advances the spindle, bringing the swivel foot to rest against the face of your stock or workpiece.



Part No.	Stroke (mm)	Weight (kg)
TCX6210	38	0.3

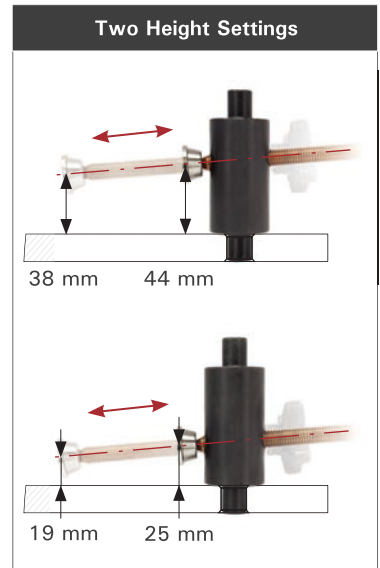
SIDE PUSH CLAMP XL



The side push clamp is designed for applying lateral pressure with a slight down force to keep the workpiece from lifting or rolling upwards.

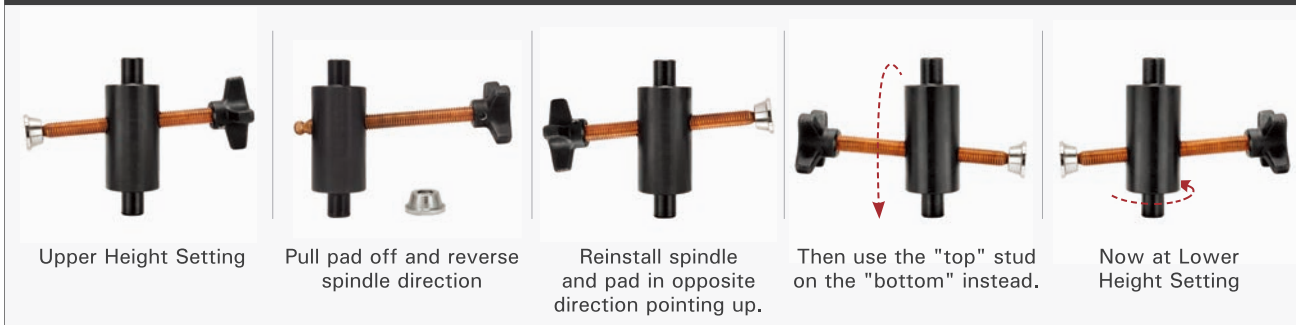
Extra long spindle insures you can reach anywhere on the table. Copper plated spindle resists weld spatter.

A special flipping feature ensures that you can always get the pad placed at the right height, which is useful for smaller material sizes.



Part No.	Stroke (mm)	Weight (kg)
TCX6320	76	0.9

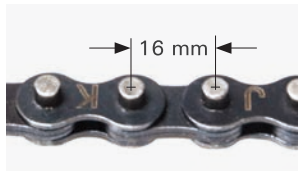
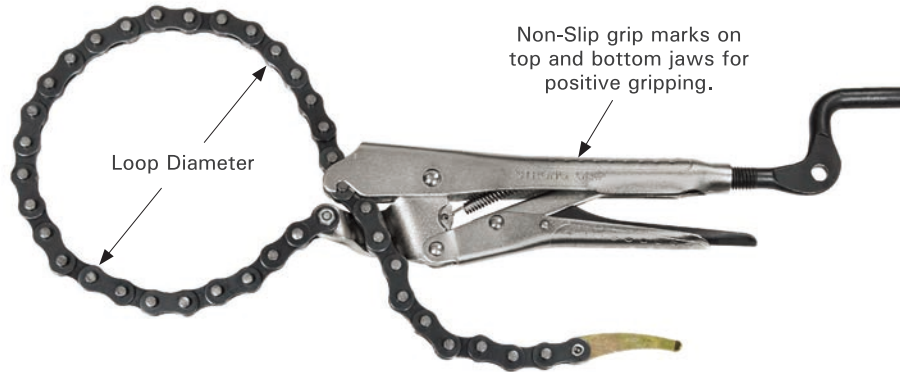
To change the height of the clamp:



LOCKING CHAIN PLIERS

Clamp odd shaped multiple items. Hold two workpieces, or a group of materials securely in place while you weld. Adjust tension with crank handle.

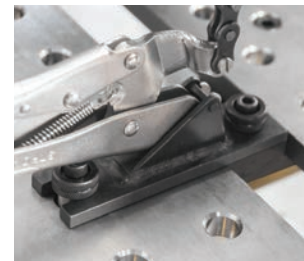
- Replaceable chains in different lengths are available.
- Use with optional Table Mount Base Kit on your welding tables.



Easy-Remove Screw

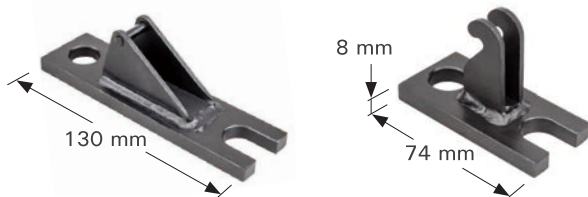
Fishtail Chain End

Part No.	Chain Length (mm)	Loop Dia. (mm)	Weight (kg)
PFC1024	600	up to 165	0.9
PFC1036	910	up to 270	1.1
PFC1048	1200	up to 360	1.4



CHAIN PLIERS MOUNTING BASE KIT

Table-mount chain hook and pliers mounts brackets, USED TOGETHER for table mount part hold down.



Part No.	Description	Weight (kg)
PXC90	Table Mount Base Kit (2 pc.)	0.5

REPLACEABLE CHAINS



Part No.	Description	Weight (kg)
PXC24	Replaceable chain 600 mm L	0.3
PXC36	Replaceable chain 910 mm L	0.4
PXC48	Replaceable chain 1,200 mm L	0.6

CLAMPS

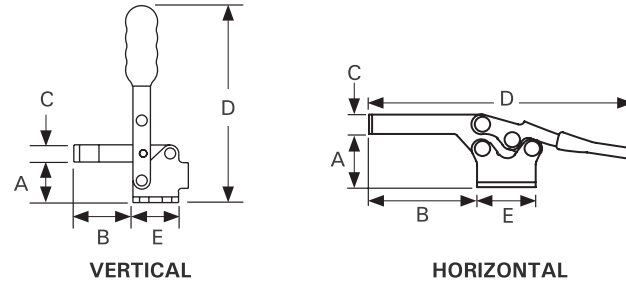
TOGGLE CLAMPS & ADJUSTABLE MOUNTING BASE



Mount any of the seven Good Hand® Toggle Clamps listed below on this low-profile, pre-tapped Adjustable Mounting Base. Mount Toggle Clamps directly on the BuildPro® Tabletop, Riser Blocks or Econo Stop & Clamping Squares, for the height and reach required for each hold down application.

The thickness of the Aluminum base adds 16 mm to the maximum capacity of the Toggle Clamp.

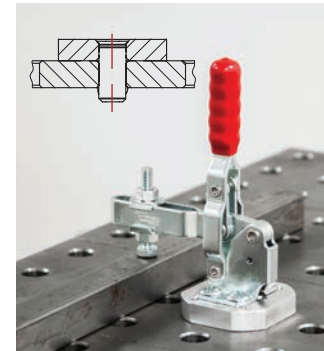
Use Ball Lock Bolts (not included), to mount the Straight Edge Stop attachment.



VERTICAL

HORIZONTAL

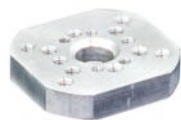
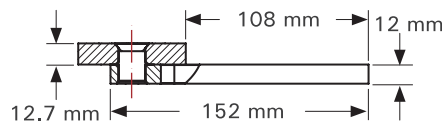
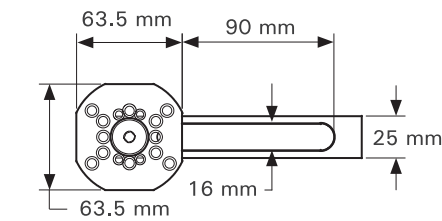
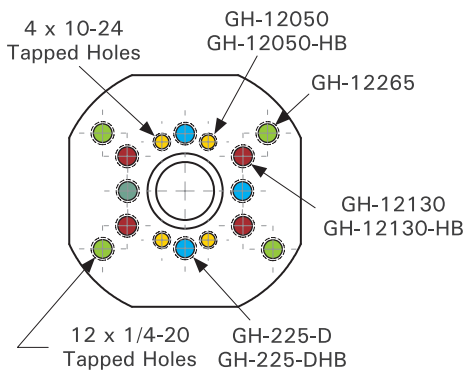
	Part No.	Mounting Hole (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
Vertical	GH-12050	4 x Ø5	22.6	33	9.6	95	25.4	0.2
	GH-12050-HB	4 x Ø5	42.2	33	9.6	122	25.4	0.2
	GH-12130	4 x Ø7	31.8	71	16	140	35.5	0.3
	GH-12130-HB	4 x Ø7	57.2	71	16	165	35.5	0.4
Horizontal	GH-12265	4 x Ø8	44.5	84	20	190	48.3	0.6
	GH-225-D	4 x Ø6	34.8	71	12.7	173	38.1	0.3
	GH-225-DHB	4 x Ø6	54.1	71	12.7	168	38.1	0.3



Directly mounted on the table using Flush Mount Ball Lock Bolt.



Mounted with Straight Edge Stop attachment and Ball Lock Bolts.



T50505GH-01



T60505GH

Part No.	Description	Weight (kg)
T50505GH-01	Pre-tapped Alum. Base ONLY.	0.2
T60505GH	Includes: pre-tapped Alum. Base + Straight Edge Stop + Flush Mount Screw.	0.3

BALL LOCK BOLTS

An essential time-saving fastener.

All Ball Lock Bolts are a time-saving and efficient method of locating and fastening fixture elements to the tabletop without having to reach underneath the table.

Insert the Ball Lock Bolt over the fixturing element and turn the knurled head with your hand for initial positioning.

The Ball Lock Bolt consists of three locking steel balls in the bolt shank that move outward to lock against the bottom chamfer of the table plate, pulling the fixture components securely downward and tightening them in place. Once all the Bolts are positioned, tighten the socket head cap screw top of the Bolts with a light turn of a hex wrench. Ball Lock Bolts release quickly from the Bolt top with a turn of your hex wrench.

UNIVERSAL BALL LOCK BOLT

The Universal Ball Lock Bolt features an adjustable sliding shoulder bushing, providing better surface contact while also reducing friction when torquing down screws.



Adjustable
T65055



Fixed Length
T65015

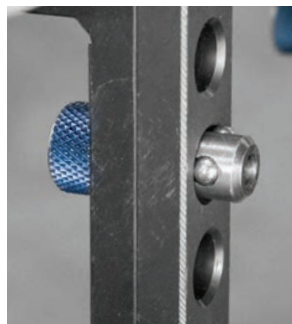
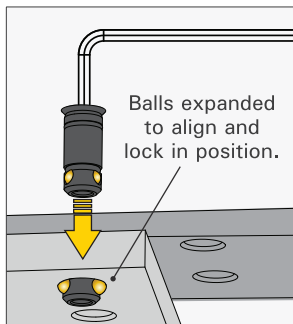


Fixed Length
T65010



Flush-Mount
T65020 | T65025

Part No.	Type	Description	Capacity (mm)	Weight (kg)	Use Hex Wrench	10-pc Bulk Package
T65010	Fixed	For connecting 2 accessories together	24	0.09	6 mm	T65011
T65015		For connecting an accessory to the tabletop	28	0.09		T65016
T65020	Flush	For connecting 2 accessories together	24	0.04	4 mm	T65021
T65025		For connecting an accessory to the tabletop	28	0.04		T65026
T65055	Adjustable	Connecting tables to accessories, and accessories to accessories.	22 ~ 27	0.04	6 mm	T65056



BALL LOCK BOLT REPLACEMENT

4 Steel Balls and 6 O-Rings



Part No.	Weight (kg)
TMS5101	0.01

RECEIVER BUSHING

Use the Receiver Bushing with Ball Lock Bolts [Adjustable models and T65015] when mounting two fixturing elements together slot-to-slot.



Part No.	Weight (kg)
T65804	0.01

LOCATING PIN



T64201

Locating Pins provide an economic alternative to using multiple Ball Lock Bolts.

Use Locating Pins in combination with Ball Lock Bolts to fasten fixturing elements, such as Straight Edge Stops, to the BuildPro Tabletop. Locating Pins aid in holding fixturing elements in position.

(A minimum of one Ball Lock Bolt must be used along with the Locating Pin to secure accessories to the tabletop. The Locating Pin cannot be used as an independent fastening element.)



Part No.	Weight (kg)
T64201	0.07

CONNECTING BOLTS

These precision shoulder screws fit into the table holes and can hold and position BuildPro[®] accessories and other components.

Choose from standard and flush-mounted versions. Model T65560 is for connecting 2 accessories together. The model of 10-pc bulk package is T65561.



Standard
Hex Wrench: 8 mm



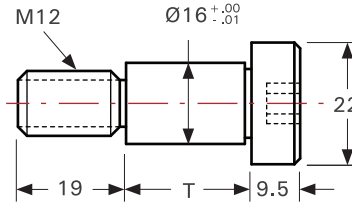
Flush-Mounted
Hex Wrench: 6 mm



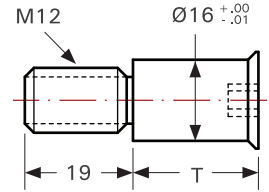
(A nut and a washer included.)



T65560
Hex Wrench: 6 mm

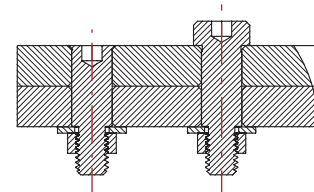


Standard

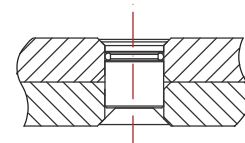


Flush-Mounted

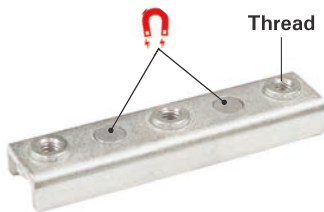
Part No.	Type	T (mm)	Weight (kg)
T931605	Standard	12	0.05
T931607		20	0.07
T931608		22	0.07
T931610		25	0.08
T931612		32	0.10
T932607	Flush	20	0.04
T932608		22	0.05
T932610		25	0.05
T932612		32	0.08



Part No.	Type	Capacity (mm)	Weight (kg)
T65560	Flush	28	0.02



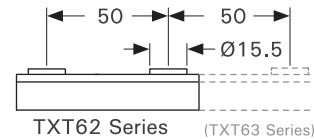
For 2 Threaded Holes with one magnet



For 3 Threaded Holes with two magnets

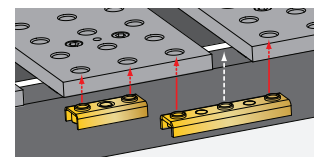
THREADED ADAPTERS

Convert any hole in the table into a threaded hole. Place the Adapter in position beneath the tabletop, in alignment with table holes. Magnets hold threaded adapter in place.



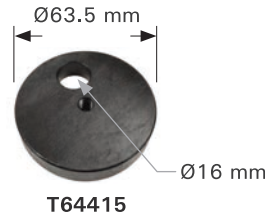
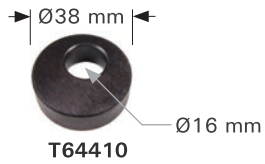
TXT62 Series (TXT63 Series)

Part No.	Number of Holes	Threaded Holes	Number of Magnets	Weight (kg)
TXT6203	2	M8	1	0.13
TXT6204		M10		0.13
TXT6205		M12		0.13
TXT6303	3	M8	2	0.26
TXT6304		M10		0.26
TXT6305		M12		0.26



STOPS

ECCENTRIC PADS



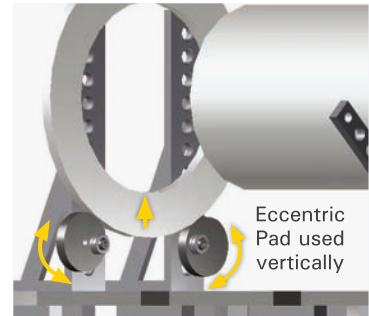
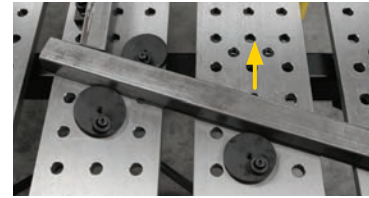
Using the "CAM" design principle, the eccentric pad provides a quick way to position the edge of the workpiece to a locating stop. The 360° rotation allows infinite adjustments.

Ideal for locating round and odd shape parts where conventional edge stops cannot reach.

* Eccentric Pads are 12.7 mm thick.

[Use Ball Lock Bolts, *pg. 44* not included, to mount the Eccentric Pads]

Part No.	Adjust Range (mm)	Offset (mm)	Thread	Weight (kg)
T54410	14 - 24	5	--	0.1
T54415	15 - 50	17.5	M8	0.2



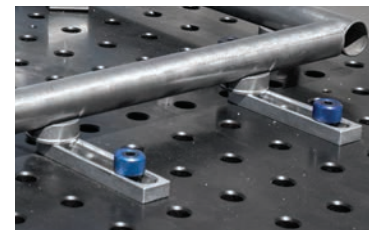
D-STOP BAR

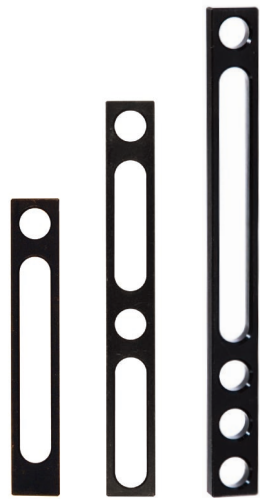


The Aluminum D-Stop Bars are lightweight and easy to maneuver. It can be locked into position with Ball Lock Bolts (*pg. 44*), or Socket Head Shoulder Screws (*pg. 46*).

11.5 mm thicknesses for use as spacers.

Part No.	Dimension (mm)	Slot Length (mm)	Weight (kg)
T60630	121 x 25 x 11.5	76.2	0.04





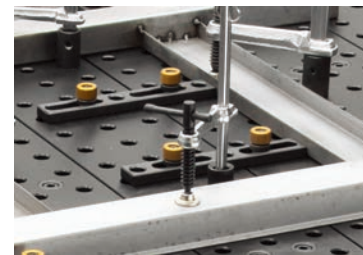
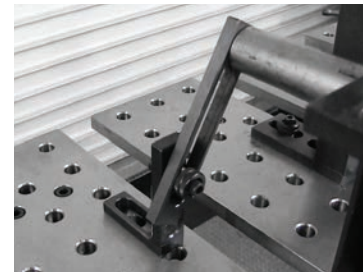
T60505 T60510 T60517

STRAIGHT EDGE STOPS

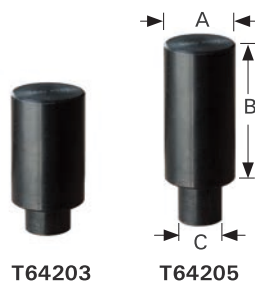
Long slots make these precision machined Straight Edge Stops infinitely adjustable in fixturing applications and squaring up parts.

Use with V-Blocks (*see pg. 54*) for the adjustable fixturing of round tubes.

Part No.	Dimension (mm)	Ø16 Holes	Slot Length (mm)	Weight (kg)
T60505	150 x 30 x 12	1	90	0.2
T60510	200 x 30 x 12	2	2 x 51	0.3
T60517	250 x 30 x 12	4	125	0.4



STOPS

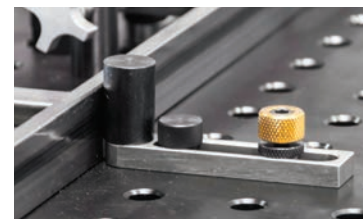
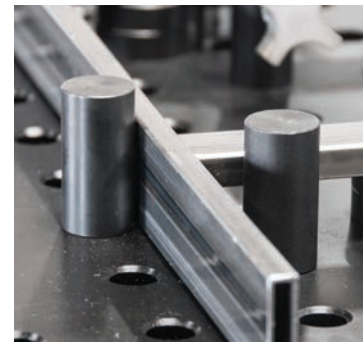


T64203

T64205

T64203 and T64205 are used as a stop wherever parts need to be positively located for clamping.

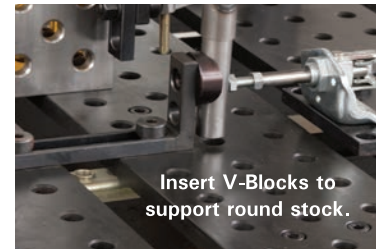
Part No.	Ø A (mm)	B (mm)	Ø C (mm)	Weight (kg)
T64203	25	38	16	0.15
T64205	25	50	16	0.22



CLAMPING SQUARES

RIGHT ANGLE BRACKETS

These precision machined angle squares hold material at 90°. The holes and slots combination allow for infinite adjustments in fixturing. For heavy duty applications, see the Riser Blocks on *pg. 50*.



Part No.	Dimension (mm)	Plate Thickness (mm)	Holes	Slot Length (mm)	Weight (kg)
T60304	41 x 91 x 30	12	1	51	0.2
T60305	91 x 91 x 30		3	51	0.3
T60310	90 x 150 x 30		3	105	0.4
T60320	193 x 150 x 30		7	105	0.6
T60330	300 x 150 x 50		11	105	2.0

ECONO STOP & CLAMPING SQUARES

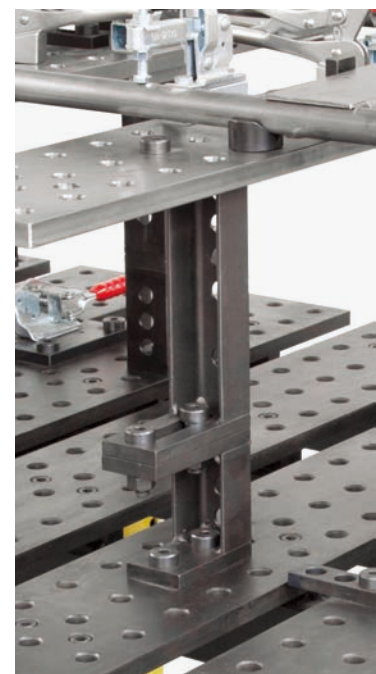
Economy Stop and Clamping Squares feature three surfaces for use in a wide variety of fit up applications.

Place Inserta Pliers or Inserta Clamps into any of the CNC machined holes for horizontal or vertical clamping at any height. Stack the Clamping Squares to brace tall workpieces. Use the top holes for mounting the Squares in a fixed location. The lower base is slotted for adjustable mounting.

Top and bottom plates are 12 mm thick and front sides are 3 mm thick.



Part No.	Dimension (mm)	Weight (kg)
T60205	50 x 138 x 100	1.2
T60210	50 x 138 x 200	1.7
T60215	50 x 138 x 300	2.1





T60231 T60230



T60251 T60250

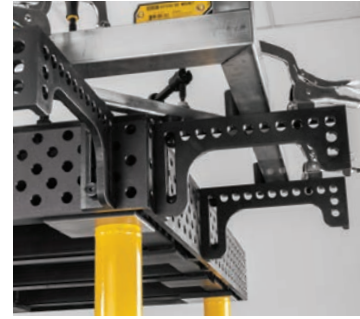
MALLEABLE IRON CLAMPING SQUARES

Versatile four-sided Clamping Squares. CNC machined faces.

T60231 & T60230 have 26 Holes, 2 Slots on each.

T60251 & T60250 have 43 Holes, 7 Slots on each.

Part No.	Description	Dimension (mm)	Weight (kg)
T60231	Left Angle	50 x 140 x 300	2.9
T60230	Right Angle	50 x 140 x 300	2.9
T60251	Left Angle	50 x 195 x 500	6.7
T60250	Right Angle	50 x 195 x 500	6.7



T60120



T60115



T60125



T60130



T60135



T60140



T60145

HEAVY DUTY RISER BLOCKS

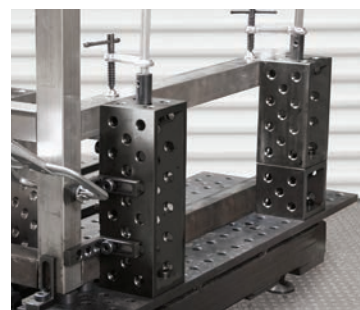
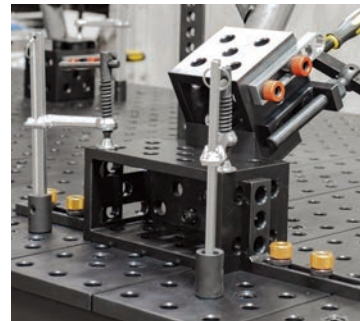
Slotted end for adjustable mounting.

These nitrided five-face precision machined Riser Blocks feature accurate bored holes in a diagonal pattern.

Use Riser Blocks individually, or stacked, to elevate a workpiece or clamp. Cross join the Blocks for use as a beam. Use the Blocks to mount a BuildPro[®] plate to the side or end of the table, or to join tables together.

Models T60120, T60125, T60130 and so on feature two slots at one end for adjustable positioning.

Part No.	Machined Surfaces	Dimension (mm)	Weight (kg)
T60115	4 faces	50 x 50 x 250	2.0
T60120	5 faces	100 x 100 x 100	3.4
T60125		100 x 100 x 200	5.7
T60130		100 x 100 x 300	7.8
T60135		100 x 100 x 500	12.6
T60140		200 x 100 x 500	16.8
T60145		200 x 100 x 1,000	34.4

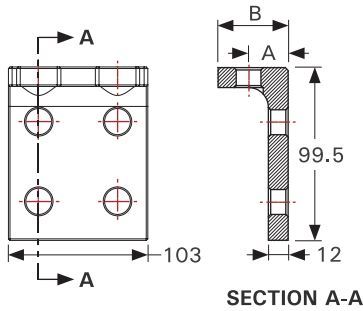


ACCESSORIES



T61825

unit: mm

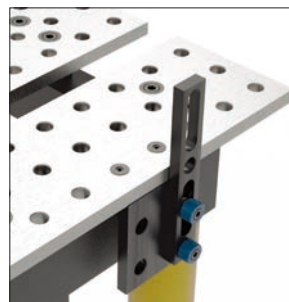
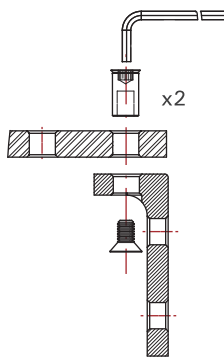


SIDE BRACKETS

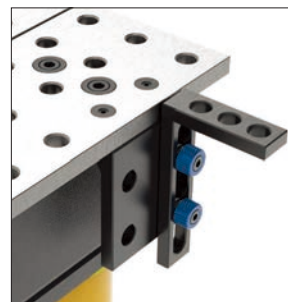
Locate or clamp your weldment at or beyond the table edge, by mounting the Side Bracket at the edge of your slotted and MAX Tabletop.

Use the Side Bracket to vertically mount clamping elements, such as the Straight Edge Stops or Right Angle Brackets to add greater functionality to your table in fixturing oversized weldments.

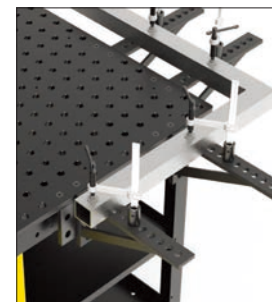
Part No.	A (mm)	B (mm)	Mounting Location	Weight (kg)
T61825	25	36	MAX Tables - END or SIDE Slotted Tables - END Rhino Cart - ANY SIDE	1.1
T61830	29.2	41.5	Slotted Tables - SIDE	1.2



Slotted table shown



MAX table shown



T61825 on any side of Rhino Cart

FIXTURING PLATES

The versatile plate can be used as a fixturing element, or as a link to connect two tables together.



T61006

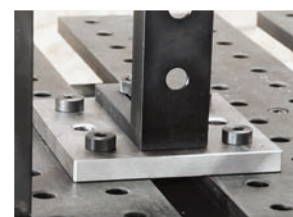


T61009



T62005-01

Part No.	Finish	Description	Thickness (mm)	Weight (kg)
T61006	Standard	100 x 160 mm Fixturing Plate, 6 holes	16	1.9
T61009	Standard	150 x 160 mm Fixturing Plate, 9 holes	16	2.8
T62005-01	Nitrided	500 x 160 mm Fixturing Plate	16	9.0



ADJUSTABLE & FIXED RESTS

Developed by customer demand, the Adjustable Rests are operated manually, by hand adjustment, with a turn of the easy-grip knurled band for complete control in precise, minute height adjustment. (PN T64213: Range: 50 ~ 70 mm. PN T64212: 22 mm height with 8 mm stroke range.)

Insert into any fixturing hole on the BuildPro[®] Modular Welding Table for use as a support or rest for aligning stock at a uniform height and providing welding clearance.

The rests feature 16 mm bored hole on top to hold V-Blocks and V-Block Spacers. They fit into the top cavity of the rests to support round pipes. Rests are stackable for use with tall stock.

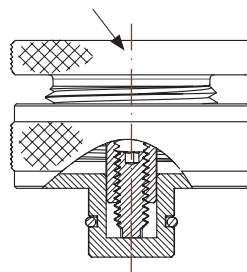
Both T64213 and T6214 have two interchangeable Locating Posts.

Three mounting options:

- Insert into any hole on the BuildPro table with the Ø16 mm Locating Post.
- Securely fasten to the tabletop for repetitive applications using the Locking Pin with cap screw (included).
- Remove the Locating Post or the Locking Pin, and place the Rest anywhere on the BuildPro tabletop.



After setting at the desired height, tighten set screw to LOCK.



Part No.	Top Dia. (mm)	Locating Post Dia. (mm)	Height (mm)	Weight (kg)
T64213	44.5	16	50 ~ 70	0.5
T64212	44.5	16	22 ~ 30	0.3
T64214	38	16	50	0.3

RESTS



T50737



T51740



T61745

MAGNETIC REST BUTTONS

Magnets on the bottom of the Magnetic Rest Buttons allow the button to be used at ANY point on the tabletop to elevate workpieces.

Stack Magnetic Rest Buttons to elevate workpieces in 11.5 mm, 16 mm, and 25 mm increments.

Part No.	Dimension Ø x H (mm)	Weight (kg)
T50737	40 x 11.5	0.09
T51740	40 x 16	0.14
T61745	40 x 25	0.18

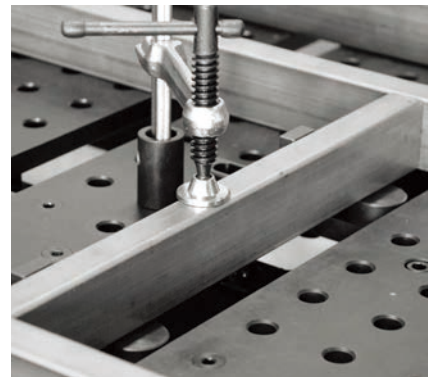


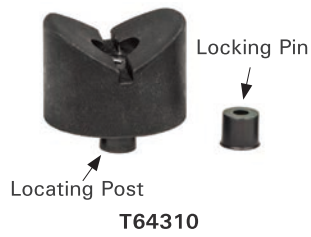
T64200

REST BUTTONS

The rest button serves as a part rest to elevate parts above the table top.

Part No.	Ø A (mm)	B (mm)	Weight (kg)
T64200	40	16	0.2

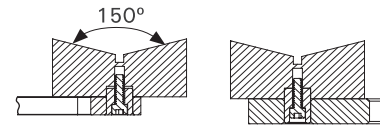
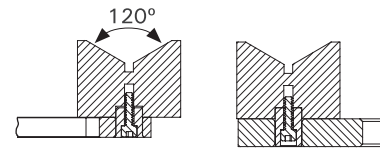




HEAVY DUTY V-BLOCKS

Developed by customer demand, these Heavy Duty V-Blocks hold round stock from 76 – 203 mm in diameter at 120° - 150°.

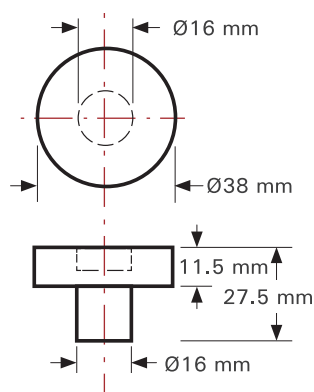
Part No.	Angle	Dimension (mm)	Max. Tube Size (mm)	Weight (kg)
T64310	120°	Ø61 x 43	76	0.6
T64315	150°	Ø81 x 35.5	203	0.7



V-BLOCKS

V-Blocks are designed to hold round parts. They fit into the holes of the: BuildPro[®] Table, Riser Blocks and Right Angle Brackets.

Part No.	Angle	Dimension (mm)	Max. Tube Size (mm)	Weight (kg)
T64210	90°	Ø40 x 31	50	0.15
T64215	120°	Ø40 x 26	65	0.12
T64216	120°	Ø40 x 22.6	65	0.02



V-BLOCK SPACER

Use the V-Block Spacer T64211 to elevate V-Blocks 11.5 mm for height uniformity when fixturing with the Straight Edge Stops.



Part No.	Weight (kg)
T64211	0.1



RESTS

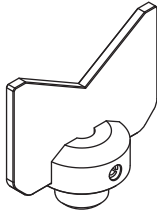
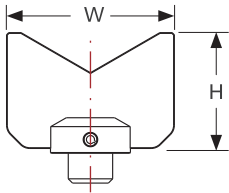
BEND RESTS



The Bend Rest supports round stock at bends and elbows in fixturing, preventing lateral movement and providing clamp support.

The low profile design allows use of multiple Bend Rests as needed to elevate stock, leaving ample space for clamping.

Place Bend Rests directly into any hole on the BuildPro® Tabletop, or use in combination with BuildPro® Rests to set at desired height to meet clearance or alignment requirements for each unique fixture.



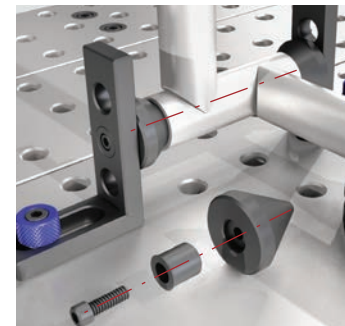
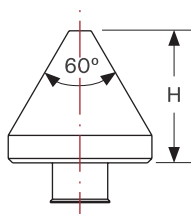
Part No.	Angle	W x H (mm)	Max. Tube Size (mm)	Weight (kg)
T54320	120°	60 x 32.2	63.5	0.2
T54325	120°	60 x 43	76	0.2
T54330	150°	80 x 35	203	0.2

SETUP CONE

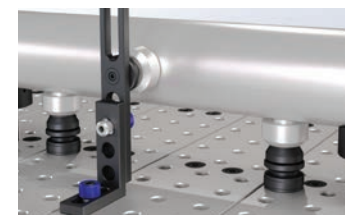
Use the Setup Cone to locate and position round tubing horizontally or vertically through the centerline. The Setup Cone locates from within the tube ID [max. 41 mm] at the tube ends, allowing for centerline location and positioning. Mount the Setup Cones on BuildPro® Accessories using either of two interchangeable bases provided:

Horizontal clamping: Securely fasten to any 16 mm mounting hole on clamping accessories using the Locking Pin with cap screw.

Vertical clamping: Insert into any 16 mm mounting hole on clamping accessories or the tabletop, using the Locating Post.



Horizontal application using Locking Pin

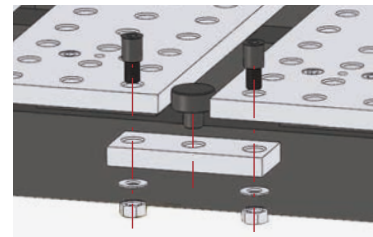
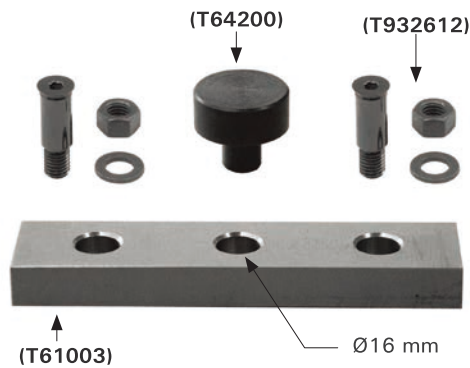


Vertical application using Locating Post + V-Block Spacer

Part No.	Angle	Dia. x H (mm)	ID Pipe Range (mm)	Weight (kg)
T64220	60°	41 x 38	6 < x < 41	0.2

SLOT FILLER KIT *

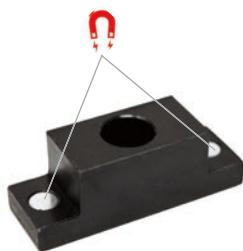
Use the Channel Block and Rest Button when a flat, continuous support surface is required directly over the 40 mm table slots.



Mount the Channel Block and insert the Rest Button to create a continuous work surface over the table slot.

Part No.	Includes	Weight (kg)
T60930	1 pc. Channel Block (T61003) 160 x 40 x 16 mm 1 pc. Rest Button (T64200) 2 pc. Flush-mounted Screws (T932612)	1.1

* Not applicable to BuildPro[®] MAX tables.



T60910
One Ø16 mm hole



T60920
Two Ø16 mm holes

T-SLOT ADAPTERS *

Slide the T-Slot Adapter into any table slot to create a Ø16 mm table hole along the table slots as needed in fixturing. (Tapped hole is consistent with table hole depth and diameter.)

Locate and mount any fixturing element [Right Angle Brackets, Riser Blocks, Econo Stop & Clamping Squares] directly over table slots.

Part No.	Weight (kg)
T60910	0.2
T60920	0.6

* Not applicable to BuildPro[®] MAX tables.



SLIDING CHANNEL BASES *

Mount work-holding devices onto these Sliding Channel Bases. Slide into the 40 mm slots between the plates.



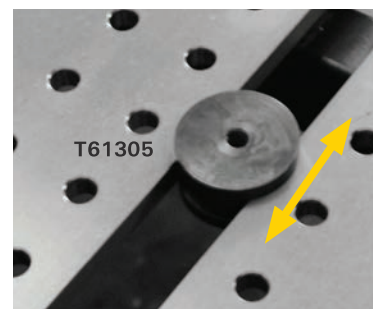
T61300



T61305

Part No.	Description	Weight (kg)
T61300	Non-rotatable and without holes for user customization.	0.7
T61305	Rotatable with M12 threaded hole on one side, M10 on the other side.	0.6

* Not applicable to BuildPro[®] MAX tables.



UNIVERSAL FLANGE CLAMPING PLATE

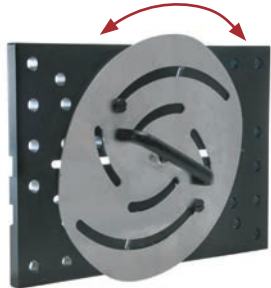
Hold ASME / ANSI / DIN Standard Flanges in position for flange + pipe joining!

Reduce set-up time and increase weld quality for greater repeatability.

Hold, accurately locate, and securely clamp down standard flanges. Guide Blocks in the Flange Clamping Plate expand or contract symmetrically to accurately locate the flange for greater weld quality. The patented Flange Clamping Plate provides full welding clearance, and allows easy removal of the finished weldment.

Fits standard flanges with these specifications:

- Hole circle diameter range: 76.2 mm ~ 465 mm
- Number of bolt holes: 4, 8, 12, 16

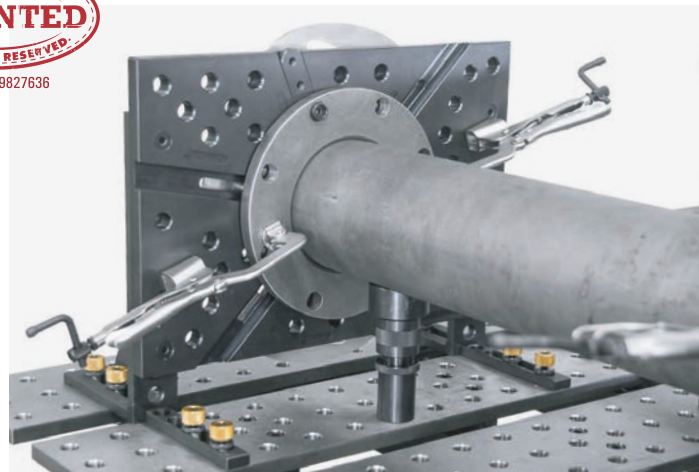


Inserta Pliers



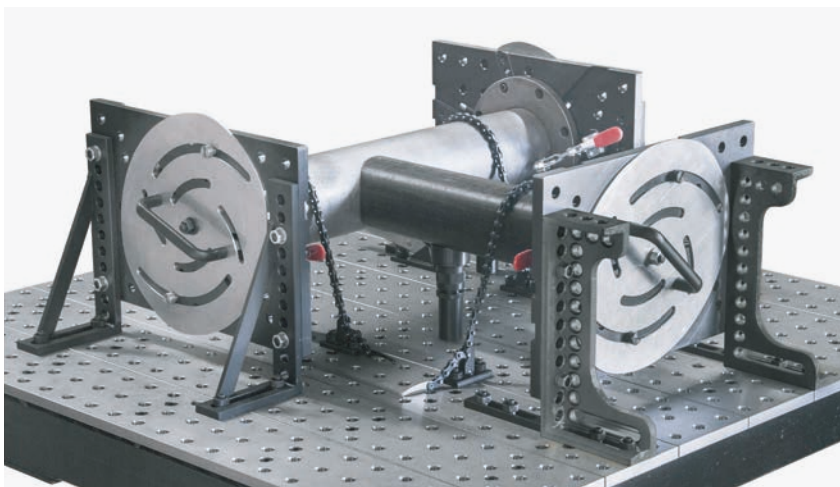
Locating Pins

Part No.	Kit Includes	Dimension (mm)	Weight (kg)
T60430	1 pc. Universal Flange & Pipe Clamping Plate w/ 8 Locating Pins: 2 of each size - 26 mm, 22 mm, 18 mm, 14 mm; 2 pc. Part No. PT09K Inserta Pliers.	455 x 305 x 16	19.4



The fixture is strong and rigid, to withstand cumulative stresses resulting from welding, and holds the joined flange & pipe during cool down to prevent distortion, expansion, and contraction.

Load the flange & pipe, accurately position, and unload quickly for quality welds, maximum productivity, and repeatability.

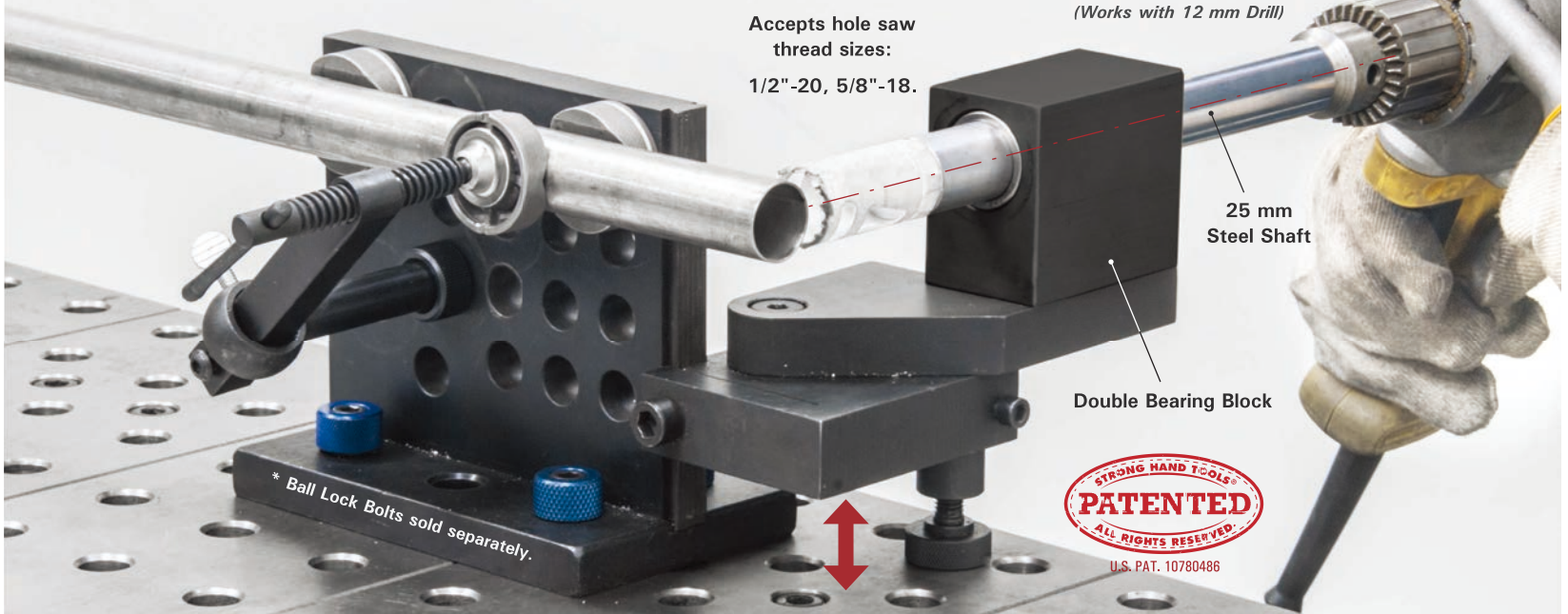


Use multiple Universal Flange & Pipe Fixtures to setup pipes for a T-Joint.

Find the fixturing video on:
youtu.be/dvw1Xj1KfHc



NOTCHER



Accepts hole saw thread sizes:
1/2"-20, 5/8"-18.

(Works with 12 mm Drill)

25 mm Steel Shaft

Double Bearing Block



BuildPro® Tube & Pipe Notcher
(1 pc.)



Aluminum V-Blocks
(2 pcs.)

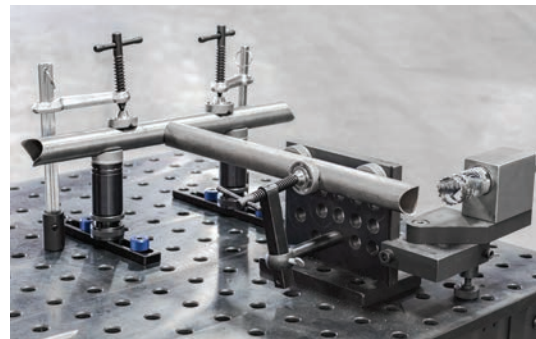
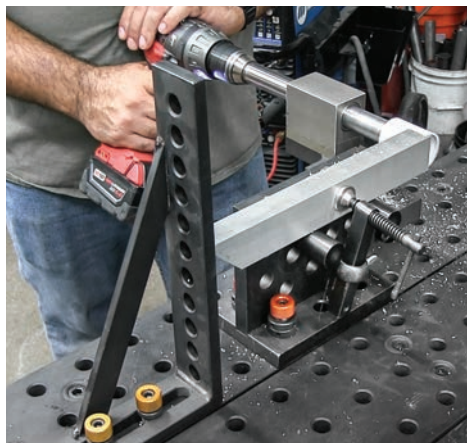
Clamp with Magnetic V-Pad
(1 pc.)

Notch tubes and pipes at the accurate angle and length.

Mounting your Notcher on the BuildPro® welding tables, Fixturing Plates or mobile working stations allows for quick and accurate setups when notching multiple parts.

Notch 25 ~ 63.5 mm OD pipes or square tubes at any angle, or off-center. Position the two V-Blocks and clamp as needed.

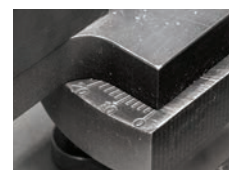
Part No.	Kit Includes	Weight (kg)
ATN100M	1 pc. BuildPro® Tube & Pipe Notcher 2 pcs. Aluminum V-Blocks for tube locating 1 pc. Clamp with Magnetic V-Pad	9



Arrange the Clamp and Aluminum V-Blocks on the Modular Fixturing Block as needed for proper part positioning in each notching application.



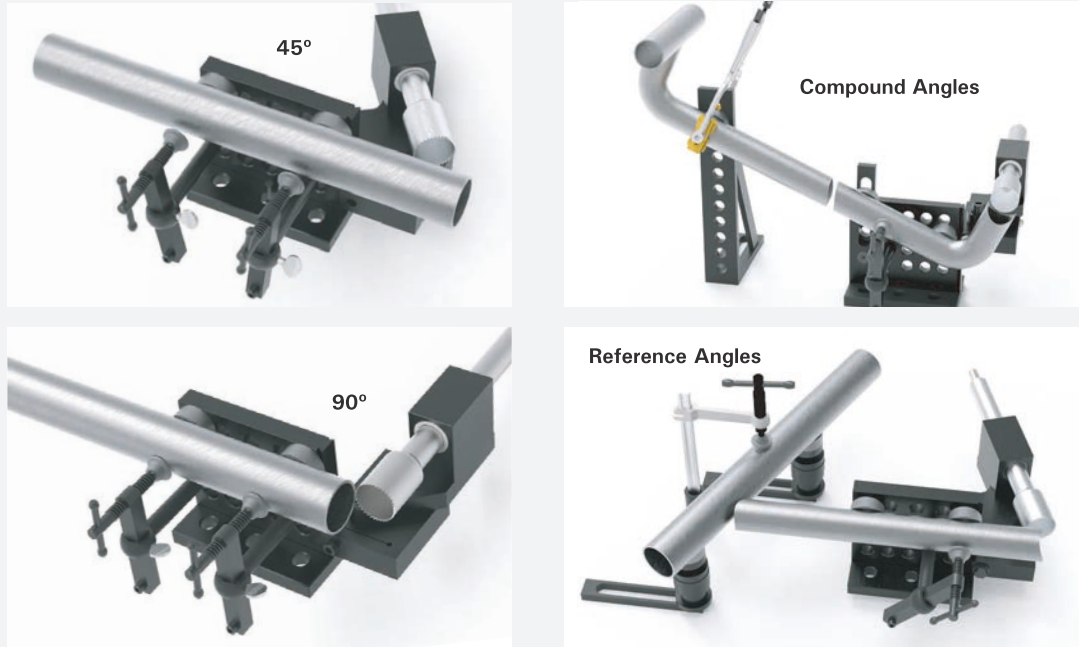
Height Setting Scale



Angle Setting Scale

NOTCHER

In the examples below, the BuildPro® Tube & Pipe Notcher is used to notch workpieces as needed to fit seamlessly into a final assembly:



ADDITIONAL ACCESSORIES FOR NOTCHER:



NOTCHER ADAPTER

The Adapter is compatible with:
Annular cutter with 19 mm shank.
** Annular cutter not included.*

Part No.	Weight (kg)
ATNA20	0.09



CLAMP KIT FOR NOTCHER

T-Post Clamp (PN T51655) with
Magnetic V-Pad (PN T64217) for use
with notcher.

Part No.	Weight (kg)
ATNC60	0.68



ALUMINUM V-BLOCKS

Aluminum V-Blocks for tube
positioning. *See pg. 54 for details.*

Part No.	Weight (kg)
T64216	0.02

TABLE GROUNDING ADAPTOR

This grounding clamp offers an excellent solution for grounding to 16 mm fixturing tables for welding applications. The connectors are designed to easily twist-lock on and off while delivering consistent ground. The clamp is designed to fit into any standard 16 mm diameter hole of 12 mm depth or greater.

Grounding capacity will vary based on the cable used, but is designed to fit up to 3/0 size cables.



Part No.	Dimension (mm)	Weight (kg)
T54700	150 x 39	0.18

TOOL CART

"Fully Open" design for visibility and quick access.

The BuildPro[®] Tool Cart will help you inventory and organize your BuildPro Clamps and Components, and keep them within arm's reach



for faster fixture setup, and tear down.

Dedicated placement for each clamp and component makes the cart easy to setup and maintain. Smart design features allow for quick, convenient "park and pickup" of the Clamps and Components.

The Cart is constructed from 50 x 25 mm tubing with a rust resistant powder coated black finish. Two fixed casters and two swiveling casters with foot pedal safety lock provide easy maneuverability.



Use the Cart to hold any of the BuildPro Fixturing Kits. (Kits sold separately.)

Part No.	Dimension W x D x H (mm)	Capacity (kg)	Gross Weight (kg)
TMC8080	800 x 500 x 1,100	100	36

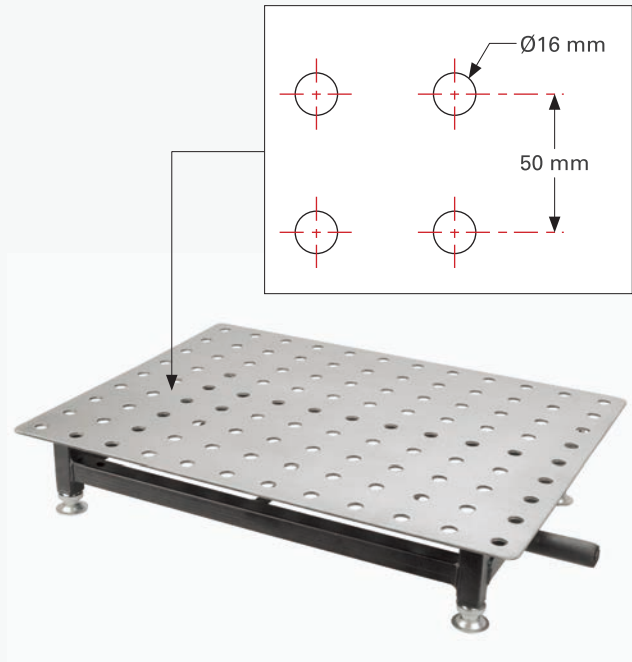
PORTABLE FIXTUREPOINT WELDING TABLE

Portable, positionable welding table for TIG welding of small parts.

Rigid construction, multi-angle settings. Easily moves around the shop!

Create your setup in the horizontal position, then set the ideal tabletop angle for worker comfort in each unique project! Parts stay securely clamped in position at any angle.

Tabletop Size:	600 x 450 mm
Top Plate Thickness:	4 mm
Hole Diameter:	16 mm
Grid Pattern:	50 x 50 mm
Loading Capacity:	27 kg



Adjust tabletop angle for worker comfort in each unique project!

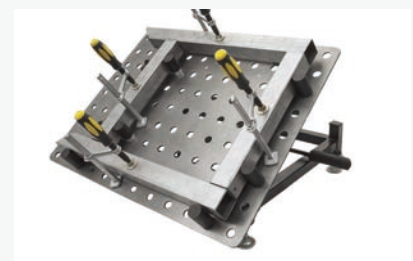
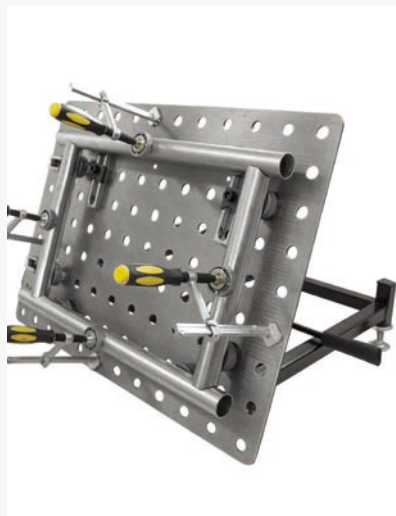


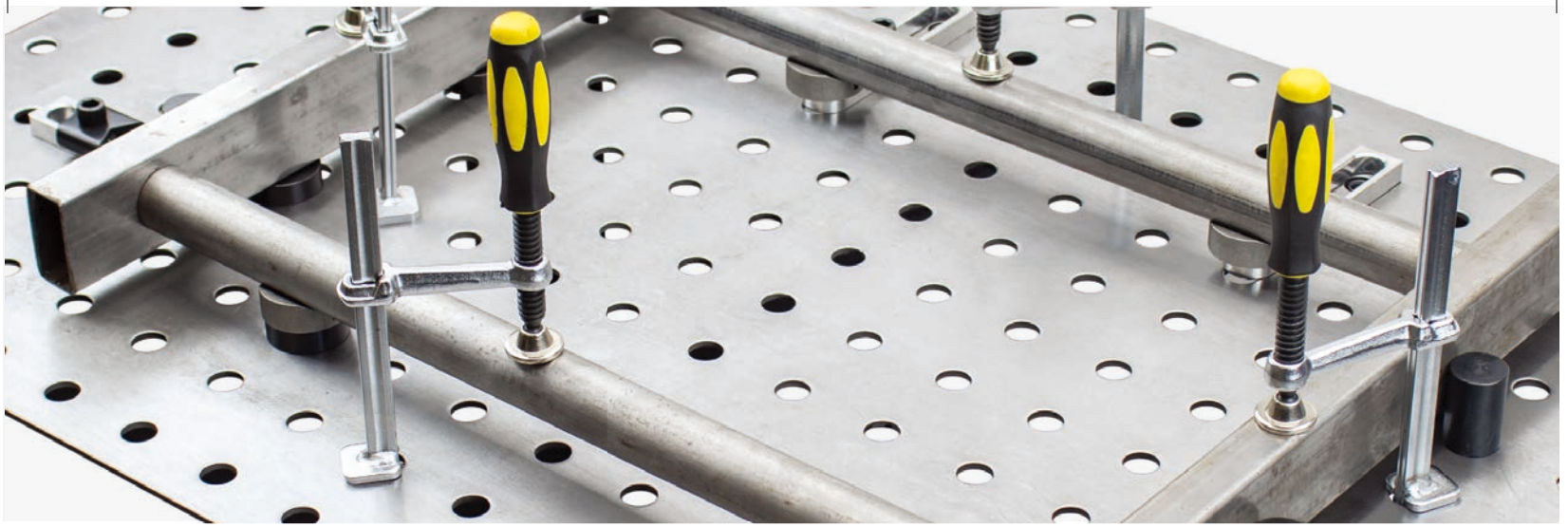
Rigid construction, multi-angle settings: 30°, 45°, and 65°.



Leveling Pad adjust from 0 ~ 40 mm

Check our website:
buildprotables.com
 for Portable
 FixturePoint table
 w/ 12-pc Clamping
 kit "TA66045-K1".
 See pg. 70 for kit
 details.



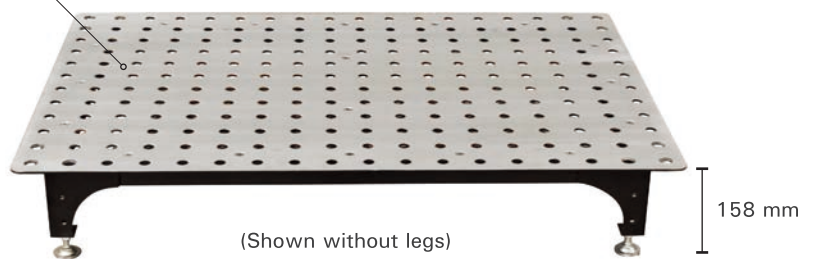
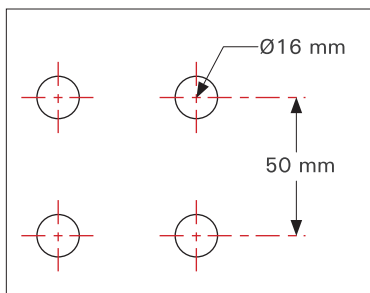


FIXTUREPOINT JIG & FIXTURE TABLE

A Light Weight, Compact Modular Fixturing System.

The economy priced FixturePoint Table is ideal for the setup of 2D frames and other basic fixtures.

Choose from two fixturing kits that mate to the 16 mm holes on the 900 x 600 x 4 mm tabletop.



The FixturePoint™ tabletop can be detached from the leg frame for placement on alternate work surfaces as needed.

Check our website: www.buildprotables.com for more details about FixturePoint system.





MODULAR FIXTURING KITS

TABLES & ACCESSORIES

MOBILE WORKING STATIONS

PLATFORMS

FIXTURE ELEMENTS

SPECIAL TOOLS

KITS

PART NO. TMK635

128-pc. BuildPro Square Tube Fixturing Kit | Gross Weight: 74 kg

BASIC FRAMING KIT



T61003	T65015	T65025	T64415	T60210	T60215
2x	20x	4x	2x	12x	8x



T64200	MST327	PR115S	TXT6205	UND6150	UEN6200
2x	4x	12x	4x	6x	4x



PT11K	T60304	T60305	T931605	T931608
4x	10x	2x	24x	8x

PART NO. TMK637

166-pc. BuildPro Round Tube Fixturing Kit | Gross Weight: 61 kg



T61003	T60505	T60510	PG637V	T60210	T60215
2x	8x	4x	16x	8x	8x



UDN6150	XDA2	T64215	T64211	T65015	T60310
8x	8x	24x	8x	20x	12x



T60320	T931605	T931608
4x	16x	20x

MODULAR FIXTURING KITS

PART NO. TMK610 38-pc. BuildPro Fixturing Kit | Gross Weight: 9 kg

					
T65010	T65015	T50737	UDN6150	T64205	T60305
4x	8x	4x	4x	4x	2x
					
TXT6204	TXT6205	T60505	T60510		
1x	1x	6x	4x		

PART NO. TMK620 80-pc. BuildPro Fixturing Kit | Gross Weight: 21 kg

					
T65010	T65015	T65055	T64210	T64215	T64205
10x	10x	4x	2x	2x	4x
					
UDN6150	UEN6200	UERN6200	TXT6204	TXT6205	XDA2
4x	2x	2x	2x	2x	2x
					
XFA2	T64410	T64415	T60304	T60305	T60310
2x	2x	2x	4x	4x	4x
					
T50737	T60505	T60510	T60517		
4x	4x	4x	4x		

PART NO. TMK630

120-pc. BuildPro Fixturing Kit | Gross Weight: 40 kg

MOST POPULAR KIT



T65010	T65015	T65055	T50737	T64205	T60505
10x	20x	10x	4x	4x	4x



T60510	T60517	T64210	T64215	UND6150	UEN6200
4x	4x	4x	4x	4x	4x



UERN6200	T60205	T60210	T60304	T60305	T60310
2x	2x	2x	4x	4x	4x



T60320	T60330	T64410	T64415	PT09K	PT11K
2x	2x	2x	2x	2x	2x



UDV45M	TXT6204	TXT6205	XDA2	XFA2	XDV4
2x	2x	2x	2x	2x	2x












XFV4
2x







MODULAR FIXTURING KITS

PART NO. TMK640

146-pc. BuildPro Fixturing Kit | Gross Weight: 71 kg

					
T65010	T65015	T65055	T64410	T64415	T50737
10x	20x	10x	2x	2x	4x

					
T54605	T60120	T60125	T60505	T60510	T60517
2x	2x	2x	4x	4x	4x

					
PT14K	UDV45M	PG634V	TXT6204	TXT6205	T65410
2x	2x	2x	4x	4x	2x

					
T64210	T64215	XDA2	XFA2	XDV4	XFV4
4x	4x	4x	4x	2x	2x

					
UDN6150	UEN6200	UERN6200	T64205	T60304	T60305
8x	8x	2x	4x	4x	4x

					
T60310	T60320	T60330	T60205	T60210	T60215
4x	2x	2x	2x	2x	2x

PART NO. TMK650

172-pc. BuildPro Fixturing Kit | Gross Weight: 102 kg

					
T65010	T65015	T65055	TXT6204	TXT6205	T64205
20x	20x	10x	4x	4x	4x
					
T64210	T64215	XDV4	XFV4	T60505	T60510
4x	4x	2x	2x	4x	4x
					
T60517	UDV45M	UDV65M	T64410	T64415	T54605
4x	2x	2x	2x	2x	2x
					
T65410	T50737	UDN6150	UEN6200	UERN6200	T60205
4x	4x	8x	8x	4x	2x
					
T60210	T60215	T60304	T60305	T60310	T60320
2x	4x	4x	4x	4x	2x
					
T60330	PT11K	PT14K	PG637V	XDA2	XFA2
2x	4x	4x	2x	4x	4x
					
T60120	T60125	T60130			
2x	2x	2x			

OTHER OPTIONAL EXTRA FIXTURING KITS

PART NO. TMK605

10-pc. BuildPro Fixturing Kit | Gross Weight: 5 kg

TABLE JOINING KIT



T60115	T932610
2x	8x

PART NO. TMK600-10

6-pc. Optional Extra Fixturing Kit | Gross Weight: 4 kg



T61670	PT11K	T66010
2x	2x	2x

PART NO. TMK600-20

4-pc. Optional Extra Fixturing Kit | Gross Weight: 22 kg



T60231	T60230	T60130
1x	1x	2x

PART NO. TMK600-30

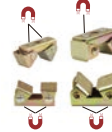
6-pc. Optional Extra Fixturing Kit | Gross Weight: 6 kg



T60310	T60320	T60330
2x	2x	2x

PART NO. TMK500-05

7-pc. Optional Extra Fixturing Kit | Gross Weight: 5 kg



AGH230	MSA46-HD	MLD600	XPV830	MVDF42
1x	2x	2x	1x	1x

PART NO. TA66045-K1

Portable Fixturpoint Table with 12-pc. Fixturing Kit | Gross Weight: 16 kg



TA66045	UBN110	TBXS2538	T50737
1x	4x	4x	4x

PART NO. TDQ612075-K1

Rhino Cart with 66-pc. Fixturing Kit | Gross Weight: 220 kg

MOST POPULAR KIT



TDQ612075	UDN6150	PT07K	PT09K	TCX6210	T64217
1x	2x	2x	2x	2x	2x



T60630	T60304	T60305	T64211	T64216	T50737
8x	2x	2x	4x	8x	12x



T65055	T64201	T64203	T64205
10x	2x	4x	4x

RHINO CART & MANIPULATOR FIXTURING KITS

PART NO. TDQ612075-K2

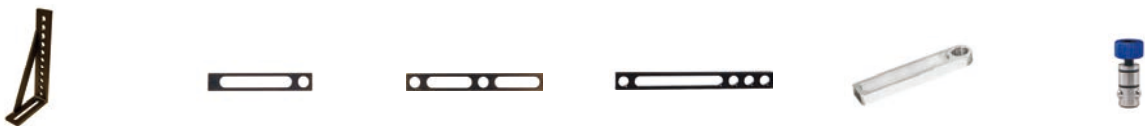
Rhino Cart with 122-pc. Fixturing Kit | Gross Weight: 238 kg



TDQ612075	UDN6150	PT09K	T51655	UDV45M	T64217
1x	4x	2x	2x	4x	6x



T64211	T64216	T60210	T60305	T60310	T60320
4x	20x	2x	2x	2x	5x



T60330	T60505	T60510	T60517	T60630	T65055
4x	2x	4x	3x	4x	42x



T64201	T65020	T932607	T65804
2x	4x	2x	2x

PART NO. TU65050-K1

Manipulator with 30-pc. Fixturing Kit | Gross Weight: 109 kg

NEW MANIPULATOR KIT



TU65050	UDN6150	PT09K	T65055	T64205	T60304
1x	2x	2x	6x	4x	2x



T60305	T64216	T50737
2x	4x	8x