

Straight Side
Double Crank Presses

GTX



GTX

Straight Side Double Crank Presses

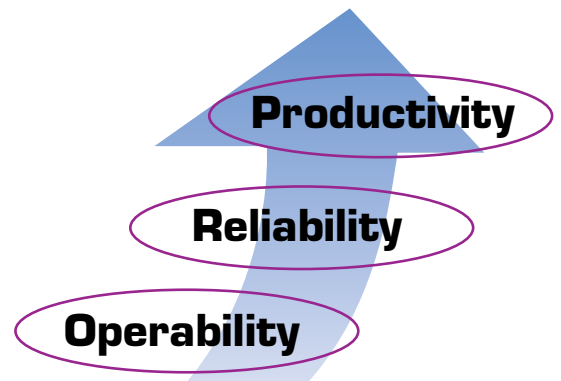
The Stamtec GTX double crank press was designed for stamping relatively long, narrow parts at high single stroking rates or in continuous mode, using either blanks or coil stock; or running progressive dies that need the longer bed area to accommodate long dies with multiple stations.

The GTX provides a large die area at a very economical price, while still providing the rigidity and low deflection characteristics of a traditional straight side press.

The heavy, welded steel frame is fully stress relieved and designed to resist deflection and provide accurate stampings and long die life.

The Stamtec clutch delivers full torque at relatively low air pressure, resulting in longer lining life. Linings running in an enclosed oil bath dissipate heat and prolong the life of clutch and brake linings.

Extra long 6-point box type centered gibs, assure accurate slide guiding. This provides full control front to back and left to right, through the entire length of the working stroke, minimizing the lateral thrust load on the slide.



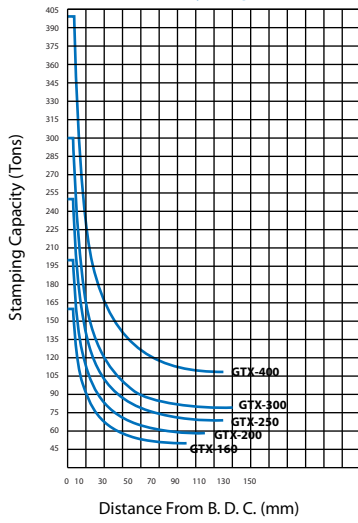
STANDARD FEATURES

- Wet type clutch and brake
- Hydraulic overload system
- Super rigid, low deflection steel frame
- Large windows
- Cast slide, with removable, t-slotted slide plate
- Motorized slide adjustment
- Wide, box-type centered gibs
- Air counterbalance system
- T-slotted bolster
- Flywheel brake
- Automatic lubrication system
- Digital die height indicator
- Overrun detector (brake monitor)
- Motorized grease pump
- Dual air safety valve
- Floor standing electric control cabinet
- Press control with:
 - » Six (6) programmable limit switches
 - » Four (4) programmable die motor inputs
 - » 6-digit part & batch counters
 - » LCD display screen for status and fault messages
 - » LED display for crank angle and spm
 - » Interlocked die safety block
- HMI operation panel
 - » Electronic crank angle LED display
 - » Electronic S.P.M. LED display
 - » LCD type press status monitor
- Operation mode selection
 - » Off / inching / safety one stroke / continuous
- Total counter, 6 digits
- Preset counter, 6 digits
- Maintenance counter, 4 digits
- Life counter, 10 digits
- Electronic rotary cam (6 spare channels)
- Air ejector, 3/8", one channel
- Air source receptacle, 3/8", two channel
- Misfeed detection circuit
- Power receptacle (available only for single phase, 110V power source wiring by user)
- Flywheel safety guard
- Eddy current drive VS motor
- Main motor reversing circuit
- Portable 2-hand pushbutton t-stand
- Inverter & main motor reversing circuit

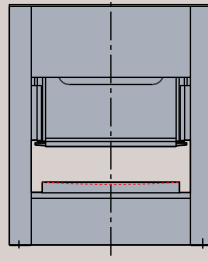
OPTIONAL FEATURES

- Link motion drive technology
- Press controls from industry leaders such as Wintriss, Link, Helm (Allen-Bradley), Toledo (Allen-Bradley) Siemens, Mitsubishi, etc.
- Anti-vibration press leveling mounts
- Safety light curtains
- Tonnage monitor
- Die cushion
- Knockout bar
- Feeding and coil handling systems
- Flywheel brake
- Die space light
- Anchor bolts & foundation plates
- VFD-variable frequency drive
- Quick die change system
 - » Upper die clamp
 - » Lower die clamp
 - » Die lifter
 - » Die arm

Stroke-Capacity Diagram (H)



Produce High Quality Stampings with Low Deflection, Ultra-Rigid Steel Frame

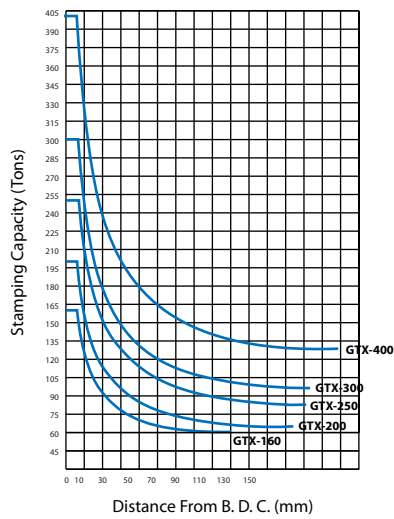


The Stamtec GTX Series is designed to resist deflection, and to provide accurate pressings and longer die life, even at full tonnage loads. The heavy, one-piece welded steel frame is fully stress relieved to provide a stable base for the GTX Series presses.

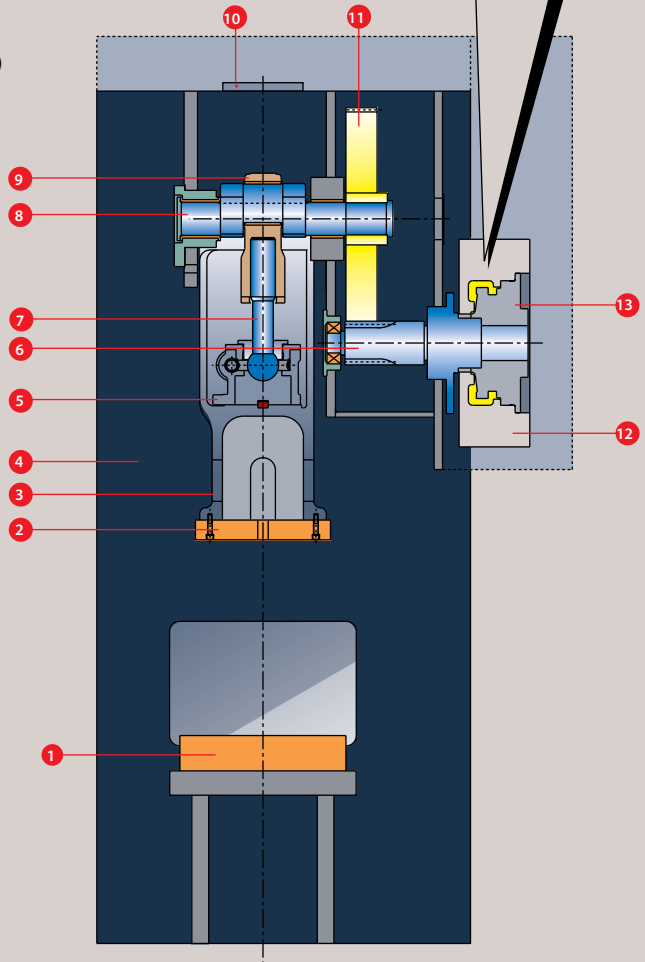
Get High Performance with Low Maintenance, Long-Life Wet Clutch and Brake

The Stamtec clutch delivers high torque at relatively low air pressure, and with a low moment of inertia. Modern, suited clutch and brake friction linings combine high performance with low vibration and noise. The linings run in an enclosed oil bath, providing very efficient heat dissipation. Together, these superior features add up to a high performance, efficient, long-lived clutch, with reduced lining wear and air consumption, even at high single-stroke rates of production.

Stroke-Capacity Diagram (S)

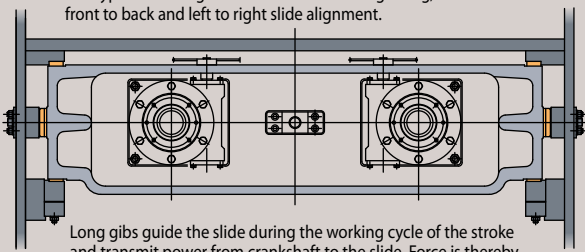


1. Bolster
2. Slide Plate (Detachable)
3. Slide
4. Steel Frame
5. Worm Gear Housing
6. Pinion Shaft
7. Adjusting Screw
8. Crankshaft
9. Con-Rod
10. Counter Balance
11. Main Gear
12. Flywheel
13. Wet Clutch & Brake



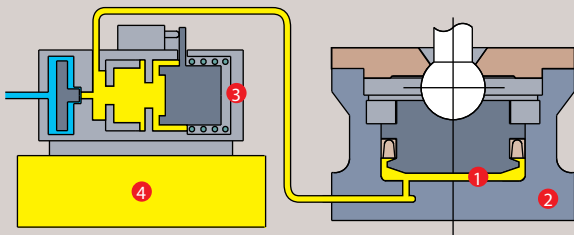
Assure Accurate Vertical Force with Centered Box-Type Gibbing

Box type centered gibs assure accurate slide guiding, full control of front to back and left to right slide alignment.



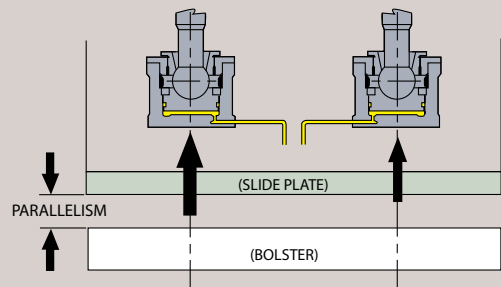
Long gibs guide the slide during the working cycle of the stroke and transmit power from crankshaft to the slide. Force is thereby delivered vertically, minimizing the lateral thrust found as the cause of friction in the gibs, and off-center loads.

Protect Press and Dies with Fast Response HOLP



Stamtec's fast response Hydraulic Overload Protection (HOLP) system relieves the pressure of a tonnage overload in milliseconds and simultaneously issues an emergency stop signal to the press control, protecting the press and tooling from catastrophic damage. The HOLP system automatically re-pressurizes when the slide is inched back to top of stroke. The HOLP system can also be relieved manually to assist in un-sticking a die which is stuck on bottom of stroke.

Maintain Parallelism During Off Center Loads



If unequal loads are applied across the slide, full oil pressure from the overload system is applied where required to retain the parallelism between slide plate and bolster for consistent quality of stampings and extended tooling life.

SPECIFICATIONS - IMPERIAL

MODEL		GTX-160		GTX-200		GTX-250		GTX-300		GTX-400		
TYPE		S	H	S	H	S	H	S	H	S	H	
Capacity tons		176		220		275		330		440		
Rated tonnage point (above B.D.C.)		in.	0.236	0.119	0.236	0.119	0.276	0.119	0.276	0.119	0.276	0.119
Stroke length		in.	7.087	5.119	9.842	5.905	11.023	6.692	11.811	6.693	11.811	6.693
Strokes per minute		SPM	30~55	40~85	20~50	35~70	20~40	30~60	20~30	30~50	20~30	30~50
Die height (S.D.A.U.)		in.	17.716	15.748	19.684	17.716		17.716	21.654	17.716	21.654	17.716
Slide adjustment		in.	3.397		4.724		4.724		4.724		4.724	
Slide area		in.	63 x 25.60 x 2.756		72.834 x 29.527 x 3.74		82.677 x 35.433 x 3.74		86.614 x 35.433 x 3.74		86.614 x 35.433 x 3.74	
Bolster area		in.	70.866 x 29.921 x 5.905		86.614 x 37.007 x 6.30		98.425 x 39.70 x 6.30		98.425 x 39.70 x 7.480		98.425 x 39.70 x 7.480	
Side opening		in.	27.559 x 17.716		35.433 x 23.622		35.433 x 23.622		35.433 x 23.622		35.433 x 23.622	
Main motor	HP x P	15 x 6		20 x 6		25 x 6		30 x 6		30 x 6		
	kW x P	11 x 6		15 x 6		19 x 6		22 x 6		22 x 6		
Slide adjusting motor	HP x P	1 x 4		2 x 4		2 x 4		2 x 4		2 x 4		
	kW x P	0.75 x 4		1.5 x 4		1.5 x 4		1.5 x 4		1.5 x 4		
Air supply pressure		PSI	71.117		71.117		71.117		71.117		71.117	
DIE CUSHION		2 - PAD - 2 - CYLINDER										
Capacity		lbs.	13,889.12 x 4,409.245		22,046.23 x 4,409.245		30,864.72 x 4,409.245		30,864.72 x 4,409.245		30,864.72 x 4,409.245	
Air pressure		PSI	102.408		96.007		128.0101		128.0101		128.0101	
Stroke length		in.	2.756		3.15		3.937		3.937		3.937	
Pad area		in.	16,142 x 10.236 x 2pcs		21.26 x 13.78 2pcs		25.20 x 18.50 x 2pcs		25.20 x 18.50 x 2pcs		25.20 x 18.50 x 2pcs	

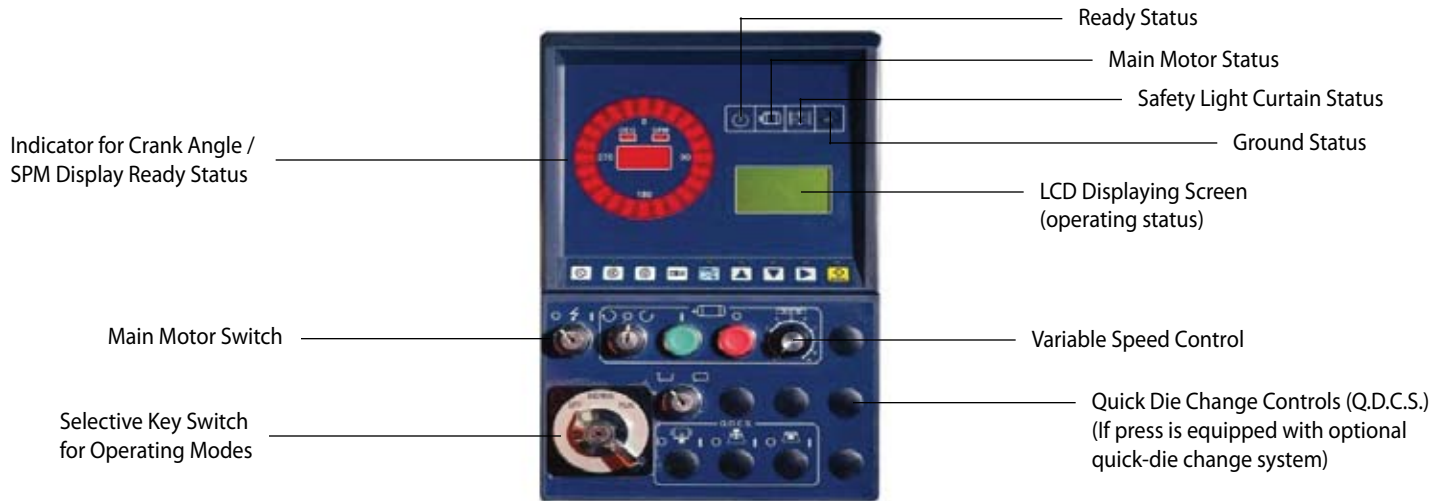
SPECIFICATIONS - METRIC

MODEL		GTX-160		GTX-200		GTX-250		GTX-300		GTX-400		
TYPE		S	H	S	H	S	H	S	H	S	H	
Capacity tons		160		200		250		300		400		
Rated tonnage point (above B.D.C.)		mm	6	3	6	3	7	3	7	3	7	3
Stroke length		mm	180	130	250	150	280	170	300	170	300	170
Strokes per minute		SPM	30~55	40~85	20~50	35~70	20~40	30~60	20~35	30~50	20~35	30~50
Die height (S.D.A.U.)		mm	450	400	500	450	550	450	550	450	550	450
Slide adjustment		mm	100		120		120		120		120	
Slide area		mm	1600 x 650 x 70		1850 x 750 x 95		2100 x 900 x 95		2200 x 900 x 95		2200 x 900 x 95	
Bolster area		mm	1800 x 760 x 150		2200 x 940 x 160		2500 x 1000 x 160		2500 x 1000 x 190		2500 x 1000 x 190	
Side opening		mm	700 x 450		900 x 600		900 x 600		900 x 600		900 x 600	
Main motor	HP x P	15 x 6		20 x 6		25 x 6		30 x 3		30 x 3		
	kW x P	11 x 6		15 x 6		19 x 6		22 x 6		22 x 6		
Slide adjusting motor	HP x P	1 x 4		2 x 4		2 x 4		2 x 4		2 x 4		
	kW x P	0.75 x 4		1.5 x 4		1.5 x 4		1.5 x 4		1.5 x 4		
Air supply pressure		kg/cm ²	5		5		5		5		5	
DIE CUSHION		2 - PAD - 2 - CYLINDER										
Capacity		tons	6.3 x 2		10 x 2		14.2		14.2		14.2	
Air pressure		kg/cm ²	7.2		6.75		9		9		9	
Stroke length		mm	70		80		100		100		100	
Pad area		mm	410 x 260 x 2pcs		540 x 350 x 2pcs		640 x 470 x 2pcs		640 x 470 x 2pcs		640 x 470 x 2pcs	

Smart

Micro-Processor Press Control System

MPC-3000 Series



MAIN OPERATION PANEL

I. Operation Status Monitoring

- 1-Motion detection monitor broken shaft, crankshaft, excessive wear of lining, engagement and disengagement of clutch and brake device.
- 2-Motor status (Forward / Reverse / Consumption / SPM) displayed on LCD displaying screen, with the setting function.
- 3-Dual-circuit protection for safety light curtain and overrun.
- 4-Panel-displaying operation modes and error messages with trouble -shooting instruction

II. Electronic Angle Control

- 1-Panel setting cam ON / OFF angle from LCD displaying screen.
- 2-6-spare cams as standard, and increase of space cams can be added as options without mechanical modifications.
- 3-Brake Monitor is equipped with automatic slip-angle correction within a limited range against inaccurate TDC stop position caused by wear and change of slide speed.

III. Counter

- 1-Total counter, pre-set counter, chop counter, maintenance counter, and life counter are all provided.
- 2-Setting figures and status of counters all displayed from LCD displaying screen.

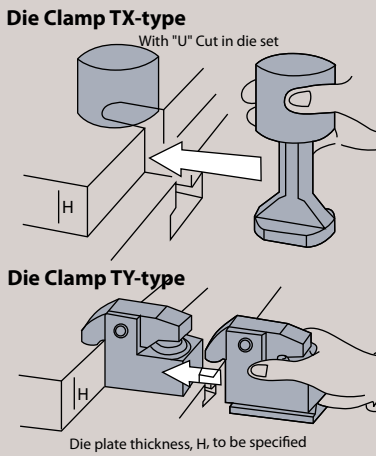
IV. Provision of interface for peripheral equipment

- 1-Cam angle controlled misfeed detection circuits A1 & B1 can be set for ON / OFF, and A2 & B2 can be set for all-time detection. A and B port can be set individually.
- 2-RS-485 module as option for the telegraph-communication monitoring and controlling.

Customer specified optional controls available from Allen Bradley, Honeywell Wintriss, Link Siemens, Mitsubishi, etc.

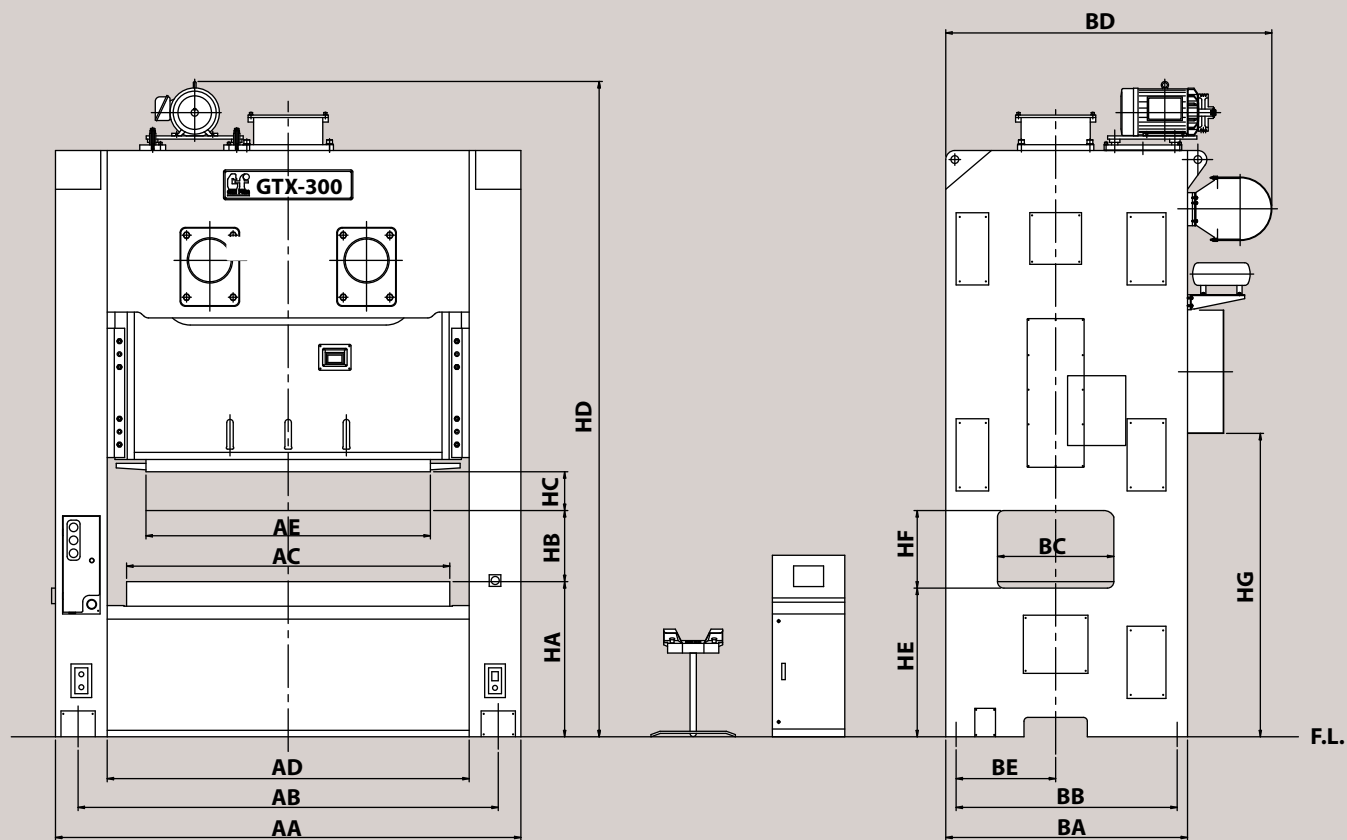
QUICK DIE CHANGE SYSTEM (Q.D.C.S.)

Option	Qty	Model	Model						
			GTX-160	GTX-200	GTX-250	GTX-300	GTX-400		
Die Clamp	Upper	TX-2 or TY-2	Clamping Force	2 tons/pc	8	8			
		TX-4 or TY-4	Clamping Force	4 tons/pc			8	8	8
		TX-6 or TY-6	Clamping Force	6 tons/pc					
	Lower	TX-2 or TY-2	Clamping Force	2 tons/pc	8	8			
		TX-4 or TY-4	Clamping Force	4 tons/pc			8	8	8
		TX-6 or TY-6	Clamping Force	6 tons/pc					
Die Lifter	DL28-600	Pay Load	1.4 tons/pc						
	DL28-700	Pay Load	1.5 tons/pc	4					
	DL28-800	Pay Load	1.6 tons/pc						
	DL28-900	Pay Load	1.8 tons/pc		4	4	4	4	
Die Arm	RC-700-600	Pay Load	600 kg/pc	4					
	RC-800-800	Pay Load	800 kg/pc						
	RC-900-900	Pay Load	900 kg/pc		4	4	4	4	
Hydraulic Power Unit FP6308U				1					

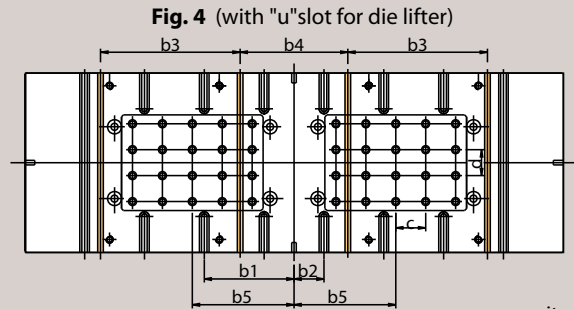
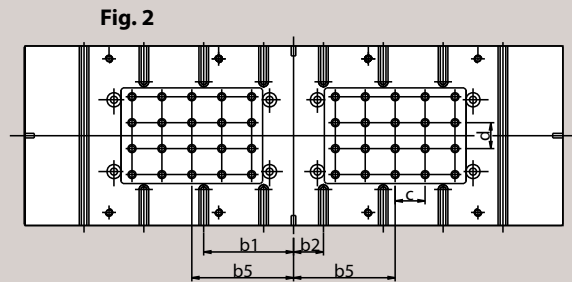
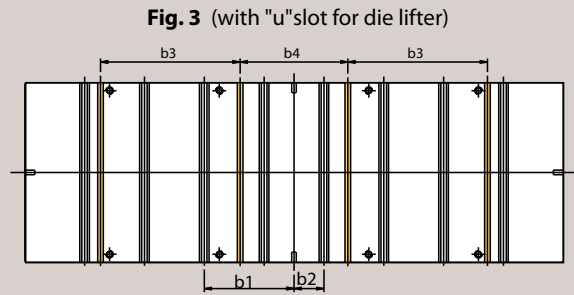
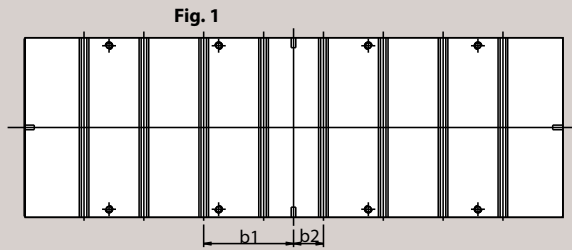


(The suggested selections are for reference only. Actual item selection may vary subject to requirements.)

OUTLINE DIMENSIONS



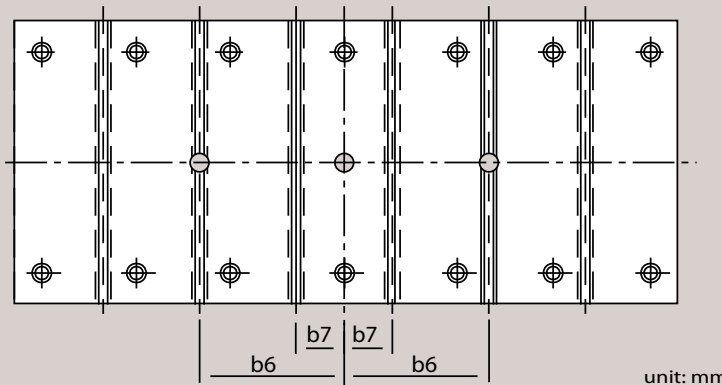
MODEL	GTX-160		GTX-200		GTX-250		GTX-300		GTX-400	
TYPE	S	H	S	H	S	H	S	H	S	H
AA	2590 mm / 101.96 in		3000 mm / 118.11 in		3600 mm / 141.73 in		3600 mm / 141.73 in		3600 mm / 141.73 in	
AB	2240 mm / 88.19 in		2650 mm / 104.33 in		3250 mm / 127.95 in		3250 mm / 127.95 in		3250 mm / 127.95 in	
AC	1800 mm / 70.87 in		2200 mm / 86.61 in		2500 mm / 98.43 in		2500 mm / 98.43 in		2500 mm / 98.43 in	
AD	1880 mm / 74.02 in		2290 mm / 90.16 in		2800 mm / 110.24 in		2800 mm / 110.24 in		2800 mm / 110.24 in	
AE	1600 mm / 63 in		1850 mm / 72.86 in		2100 mm / 82.68 in		2200 mm / 86.61 in		2200 mm / 86.61 in	
BA	1450 mm / 57.09 in		1600 mm / 63.00 in		1770 mm / 69.68 in		1870 mm / 73.62 in		2000 mm / 78.44 in	
BB	1290 mm / 50.79 in		1440 mm / 56.69 in		1610 mm / 63.39 in		1710 mm / 67.32 in		1840 mm / 72.44 in	
BC	700 mm / 27.56 in		900 mm / 35.43 in		900 mm / 35.43 in		900 mm / 35.43 in		900 mm / 35.43 in	
BD	2150 mm / 84.65 in		2250 mm / 88.58 in		2450 mm / 96.46 in		2550 mm / 88.58 in		2700 mm / 106.30 in	
BE	490 mm / 19.29 in		620 mm / 24.41 in		670 mm / 26.38 in		770 mm / 30.31 in		770 mm / 30.31 in	
HA	1000 mm / 39.37 in		990 mm / 38.98 in		1090 mm / 42.91 in		1200 mm / 47.24 in		1200 mm / 47.24 in	
HB	450 mm 17.72 in	400 mm 19.68 in	500 mm 19.68 in	450 mm 17.72 in	550 mm 21.65 in	450 mm 17.72 in	550 mm 21.65 in	450 mm 17.72 in	550 mm 21.65 in	450 mm 17.72 in
HC	180 mm 7.08 in	130 mm 5.11 in	250 mm 9.84 in	150 mm 5.91 in	280 mm 11.02 in	179 mm 6.69 in	300 mm 11.81 in	170 mm 6.69 in	300 mm 11.81 in	170 mm 6.69 in
HD	4150 mm 163.39 in	4050 mm 159.45 in	4650 mm 183.07 in	4500 mm 177.16 in	4950 mm 194.88 in	4800 mm 202.76 in	5300 mm 208.66 in	5150 mm 202.76 in	5850 mm 230.31 in	5700 mm 224.40 in
HE	950 mm / 37.40 in		940 mm / 37.01 in		1040 mm / 40.94 in		1150 mm / 45.28 in		1150 mm / 45.28 in	
HF	450 mm / 17.72 in		600 mm / 23.62 in		600 mm / 23.62 in		600 mm / 23.62 in		600 mm / 23.62 in	
HG	1800 mm / 70.86 in		1900 mm / 74.80 in		2000 mm / 78.74 in		2300 mm / 90.55		2300 mm / 90.55	



unit: mm

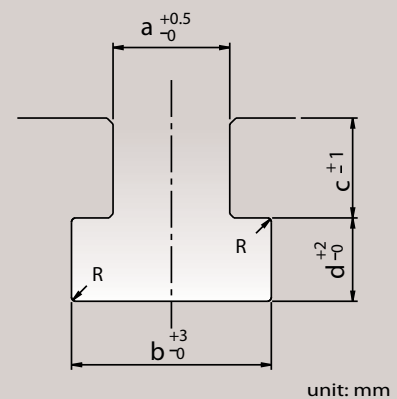
MODEL	GTX-160	GTX-200	GTX-250	GTX-300	GTX-400	
Bolster Area (LR x FB)	1800 x 760 mm / 70.86 x 29.92 in	1800 x 760 mm / 70.86 x 29.92 in	220 x 940 mm / 86.61 x 37.01 in	2500 x 1000 mm / 98.42 x 39.37 in	2500 x 1000 mm / 98.42 x 39.37 in	
Type of T-Slot	A	A	A	B	B	
No. of T-Slot	8	8	8	8	8	
b1	375 mm / 14.76 in	375 mm / 14.76 in	375 mm / 14.76 in	450 mm / 17.72 in	450 mm / 17.72 in	
b2	125 mm / 4.92 in	125 mm / 4.92 in	125 mm / 4.92 in	150 mm / 5.91 in	150 mm / 5.91 in	
b3	450 mm / 17.72 in	450 mm / 17.72 in	710 mm / 27.96 in	680 mm / 26.77 in	680 mm / 26.77 in	
b4	520 mm / 20.47 in	520 mm / 20.47 in	520 mm / 20.47 in	540 mm / 21.26 in	540 mm / 21.26 in	
b5	415 mm / 16.34 in	415 mm / 16.34 in	455 mm / 17.91 in	510 mm / 20.08 in	510 mm / 20.08 in	
Fig 2, Fig 4	No. of Pin Hole x Dia.	48 x 20 mm / 1.89 x 0.79 in	48 x 20 mm / 1.89 x 0.79 in	48 x 20 mm / 1.89 x 0.79 in	70 x 28 mm / 2.76 x 0.79 in	70 x 28 mm / 2.76 x 0.79 in
	c x d	75 x 75 mm / 2.95 x 2.95 in	75 x 75 mm / 2.95 x 2.95 in	100 x 100 mm / 3.94 x 3.94 in	100 x 100 mm / 3.94 x 3.94 in	100 x 100 mm / 3.94 x 3.94 in

SLIDE PLATE



unit: mm

T-Slot Detail



unit: mm

MODEL	GTX-160	GTX-200	GTX-250	GTX-300	GTX-400
Slide Plate Area (LR x FB)	1600 x 650 mm / 62.99 x 25.59 in	1850 x 750 mm / 72.83 x 29.53 in	2100 x 900 mm / 92.67 x 35.43 in	2200 x 900 mm / 86.61 x 35.43 in	2200 x 900 mm / 86.61 x 35.43 in
Type of T-Slot	A	B	B	B	B
No. of T-Slot	6	6	6	6	6
b6	375 mm / 14.76 in	375 mm / 14.76 in	450 mm / 17.72 in	450 mm / 17.72 in	450 mm / 17.72 in
b7	125 mm / 4.92 in	125 mm / 4.92 in	150 mm x 5.91 in	150 mm x 5.91 in	150 mm x 5.91 in

Dim.	Type	A	B
a		22 mm / 0.087 in	28 mm / 1.10 in
b		37 mm / 1.46 in	48 mm / 1.89 in
c		25 mm / 0.98 in	28 mm / 1.10 in
d		16 mm / 0.63 in	20 mm / 0.79 in
r		1 mm / 0.04	1 mm / 0.04



STAMTEC®

MECHANICAL PRESSES

Stamtec has been providing dependable, affordably priced metal stamping presses for almost 25 years in the North American market, and 60 years worldwide through our parent company. Our 72,000 sq. ft. sales, service, logistics, and assembly facility in Tennessee is home not only to North America's largest inventory of new presses and spare parts, but also our most important asset- our people. Our staff of engineering, sales, service, and support personnel are here to serve you in the most timely and professional manner. So, tap into our global strength, and grow with us as we grow with you!



OCP SERIES

1-POINT GAP



G2 SERIES

2-POINT GAP



S2 SERIES

STRAIGHT SIDE



COIL FEEDING & HANDLING SYSTEMS

STAMTEC®

MECHANICAL PRESSES

U.S.A. - STAMTEC, INC.
4160 Hillsboro Highway | Manchester, TN 37355, U.S.A.
TEL: +1-931-393-5050 | FAX: +1-931-393-5060
URL: www.stamtec.com

