



- SAFETY
- STABLE
- PRECISION
- ENERGY SAVING
- AUTOMATION

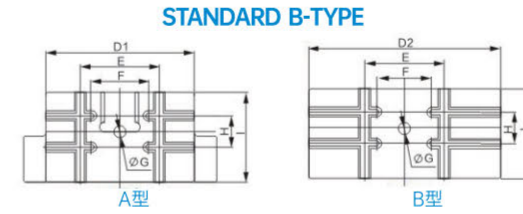
80-315TONS

Performance Features

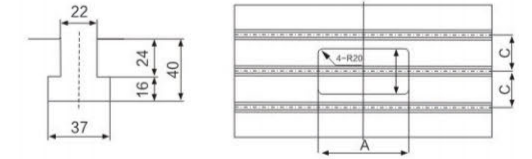
STB series presses is D-Frame single crank presses (Semi closed type), which is gap frame press with added support beams that helps to reduce the spring back and add more rigidity to the press frame. It allows heavier duty works to be performed than on a c-frame press. STB series presses are produced by Qiaosen machinery, which built to meet or exceed JIS Class 1 accuracy standards. Qiaosen adopt high strength steel frames and Quenching & Grinding Process for Slide-Guide, which can make the press machine have minimizing deflection and high accuracy and provide increased tool life. Forged 42CrMo alloy material crankshaft, precision-machined gears and other drive train components are designed for smooth power transmission, quiet operation and long life. STB series presses are dry clutch system, It has longer service life of the clutch system, high single stroke rate and high torque outputs performance. Flywheel direct drive design, which can be customized to shorter stroke, more faster speed. Siemens based control platform and user-friendly touch screen operation interface are standardized in all QIAOSEN's presses, it provides ease of operation and expandable capabilities. Easy to integration with other automation system. Other brands of control can be furnished upon request.

- ◆ Heavy one-piece steel frame, minimizing deflection, high accuracy.
- ◆ OMPi pneumatic dry clutch brake, longer service life.
- ◆ 6 points slide guiding, Adopt Quenching & Grinding Process for Slide-Guide, which can make the press machine higher accuracy & low wear and provide increased tool life.
- ◆ Forged 42CrMo alloy material crankshaft, its strength is 1.3 times higher than that of #45 steel, and service life is longer.
- ◆ Copper sleeve is made of tin phosphorus bronze ZQSn10-1, which has a strength 1.5 times higher than that of ordinary BC6 brass.
- ◆ Highly sensitive hydraulic overload protection device, effectively protect the service life of the presses and tools.
- ◆ Built to JIS Class I accuracy standard.
- ◆ Optional Die Cushion.

Slide



Bolster Curve



Model	A	B	C	D1	D2	E	F	G	H	1
STB-80	360	180	150	560	770	300	220	Φ 50	180	420
STB-110	400	200	160	650	910	300	220	Φ 50	220	470
STB-160	440	220	220	700	990	300	175	Φ 65	220	550
STB-200	480	240	280	850	1130	420	200	Φ 65	300	630
STB-260	520	260	290	950	1200	420	200	Φ 65	300	700
STB-315	540	280	300	1000	1200	450	200	Φ 65	300	750

Standard Configuration

- > Hydraulic overload protection device
- > Electric slider adjusting device
- > Variable frequency variable speed motor (adjustable speed)
- > Electronic cam device
- > Digital die height indicator
- > Slider and stamping tools balance device
- > Rotating cam controller
- > Crankshaft angle indicator
- > Electromagnetic counter
- > Air source connector
- > Second degree falling protecting device

- > Air blowing device
- > Mechanical shockproof feet
- > Mis-feeding detection device reserved interface
- > Maintenance tools and toolbox
- > Main motor reversing device
- > Light Curtain (Safety Guarding)
- > Power outlet
- > Electric grease lubrication device
- > Touch screen (pre-break, pre-load)
- > Fixed two-handed operating console
- > LED die lighting

Optional Configuration

- > Customization Per Customer Requirement
- > Die Cushion
- > Quick Die Change System
- > Slide knock out device
- > Turnkey System with Coil Feedline and Automation System

- > T-type movable two handed console
- > Re-Circulating Oil Lubrication
- > Wet clutch
- > Anti-Vibration Isolator
- > Tonnage Monitor

Technical Parameters

Name	Unit	STB-80		STB-110		STB-160		STB-200		STB-260		STB-315	
Mode		V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type	V-type	H-type
Press capacity	Ton	80		110		160		200		260		315	
Rated tonnage point	mm	4	2	6	3	6	3	6	3	7	3.5	7	3.5
Slide strokes per minute	S.P.M	35~80	80~120	30~60	60~90	20~50	40~70	20~50	50~70	20~40	40~50	20~35	30~50
Slide stroke length	mm	150	70	180	80	200	90	200	100	250	150	280	170
Max die height	mm	340	380	360	410	460	510	460	510	500	550	550	600
Slide adjustment amount	mm	80		80		100		110		120		120	
Slide size	mm	560*420*70		650*470*80		700*550*90		850*630*90		950*700*100		1000*750*110	
Bolster size	mm	760*550*90		900*600*110		980*880*140		1140*820*160		1300*840*180		1300*900*200	
Platform to floor distance	mm	830		830		900		995		1030		1030	
Shank hole	mm	Φ 50		Φ 50		Φ 65		Φ 65		Φ 65		Φ 65	
Main motor power	KW*P	7.5*4		11*4		15*4		18.5*4		22*4		30*4	
Slide adjust device	/	Electric											
Air pressure	kg*cm ²	6		6		6		6		6		6	
Press accuracy grade	Grade	JIS 1		JIS 1		JIS 1		JIS 1		JIS 1		JIS 1	
Press dimension(L*W*H)	mm	1300*1890*3000		1420*1985*3200		1600*2200*3500		1750*2500*3900		2080*2895*4470		2100*2925*4550	
Press weight	Tons	7.8		10.5		17.8		25.3		37		42	
Die cushion capacity	Ton	3.6		6.3		10		14		14		14	
Die cushion stroke	mm	70		80		80		100		100		100	
Die cushion active area	mm ²	450*310		500*350		650*420		710*480		810*480		810*480	

NOTE: Our company is ready to carry out research and improvement work at any time. Therefore, the size design characteristics specified in this catalogue can be changed without further notice.