

STENHØJ Broaching Machine

Model SDZ Box-Standard & Box Wide



Technical specifications:

- Electromechanical, vertical push-pull broaching machine.
- High performance planetary roller spindles.
- Ball rail guiding of the push-/pull bridges.
- Motor with Servo Drive.
- BOX-Model: 1 or 2 broaching stations.
- WIDE-Model: 1, 2 or 3 broaching stations.

Electrical control:

- PLC: Siemens S7 300 controlling the machine cycle.
- Operation panel: Siemens TP 170 touch screen for manual production with two-hand operation or full automatic.
- Servo-Drive Siemens Master Drive for controlling the speed and the broaching force.

Description of the STENHØJ Broaching Machine type SDZ Box-Model:

Standard machine

- The frame and the push- and pull-bridges are an extremely robust steel structure.
- The bridges are guided by two planetary roller spindles and a profile rail guide system, two guide rails and four runner blocks. Optimum stability and rigidity is hereby guaranteed.
- The broaching tool is firmly clamped at both ends by hydraulically activated collet chucks and is hereby guided throughout the entire broaching stroke. This prevents the tool from vibrating.
- The shuttle table will automatically transport the work piece between the broaching and loading positions.
- The working area of the machine is covered by two maintenance doors and one automatically operated front cover.

Removal of Chips

- The cooling/lubricating liquid is cleaned in a filtering unit, resulting in improved tool life time and surface quality of the work piece.
- The tool is cleaned from chips with a special high-pressure spray system.

Patented Broaching Concept for

- Push-Pull principle
- Synchronous radial tool clamping



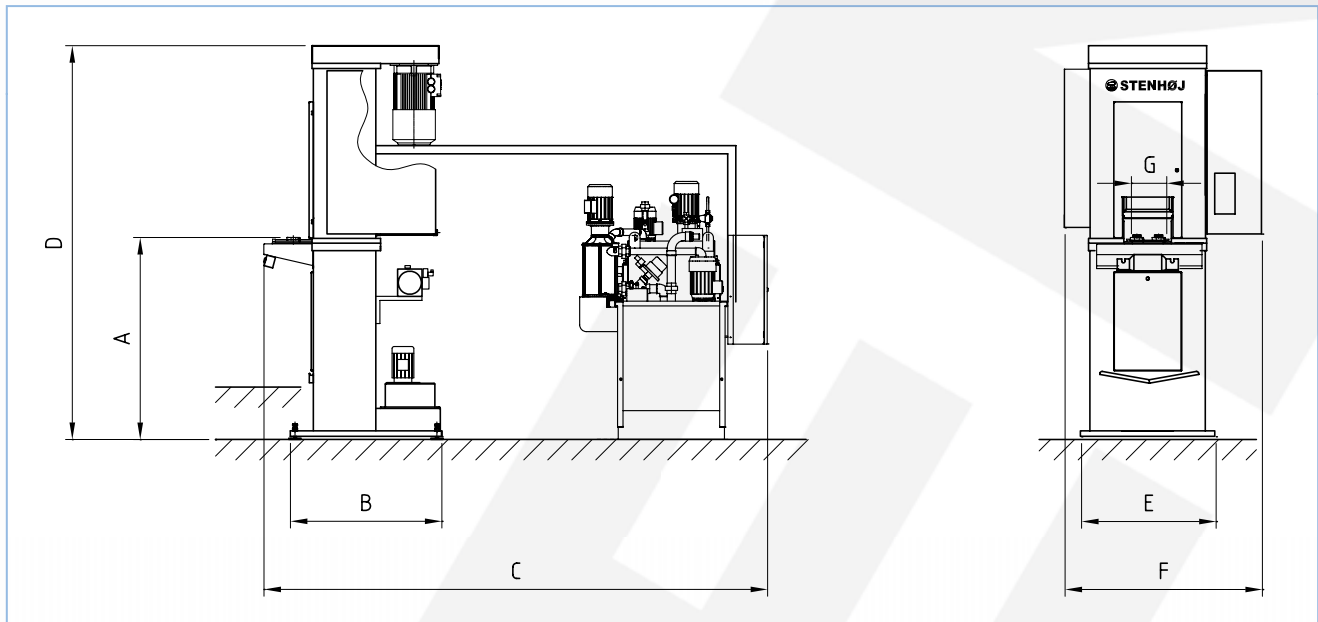
Built in accordance with the latest CE regulations and CE labelled.



STENHØJ

SDZB Broaching Machine			Box Standard			Box Wide			
Model			B-60	B-80	B-100	BW-80	BW-100	BW-120	BW-160
Broaching force at 6 m/min		kN	60	80	100	80	100	120	160
Operation height	A								
- Stroke length 800		mm	>>	1350	<<	>>	1450	<<	<<
- Stroke length 1000		mm	>>	1500	<<	>>	1650	<<	<<
- Stroke length 1250		mm	>>	1750	<<	>>	1900	<<	<<
Depth	B	mm	>>	1115	<<	>>	1190	<<	<<
Depth, total	C	mm	>>	3780	<<	>>	3855	<<	<<
Height, total	D								
- Stroke length 800		mm	>>	2800	<<	>>	3150	<<	<<
- Stroke length 1000		mm	>>	3000	<<	>>	3350	<<	<<
- Stroke length 1250		mm	>>	3250	<<	>>	3600	<<	<<
Width	E	mm	>>	990	<<	>>	1230	<<	<<
Width, total	F	mm	>>	1450	<<	>>	1690	<<	<<
Faceplate width	G	mm	>>	260	<<	>>	420	<<	<<
Number of broaching stations			>>	1-2	<<	>>	1-2-3	<<	<<
Broaching station distance		mm	>>	160	<<	>>	240-160	<<	<<
Weight		Kg	2500	2800	3000	3300	3500	3700	4000
Motor effect		kW	7,5	11	15	11	15	18,5	22
Broaching speed Infinitely adjustable		m/min	>>	2-9	<<	>>	2-9	<<	<<
Rapid approach Infinitely adjustable		m/min	>>	2-9	<<	>>	3-12	<<	<<
Return speed Infinitely adjustable		m/min	>>	2-9	<<	>>	3-12	<<	<<

Subject to change without notice.



STENHØJ

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