

STENHØJ Broaching Machine



Model SDZ Tower & Table Up Version

Technical specifications:

- Electromechanical, vertical push-pull broaching machine.
- High performance planetary roller spindles.
- Ball rail guidings of the push-/pull bridges.
- Motor with Servo Drive.
- One to four 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.
- OPTIONAL: PC based control panel

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

Standard Machine

- The frame and the push- and pull-bridges are an extremely robust steel structure.
- Tower design for maximum stability and easy access.
- Standard execution with fixed table and movable broaching tool, or table-up version with movable table for low operation height.
- 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. Easier access to the machine through easy removal of side panels.

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.

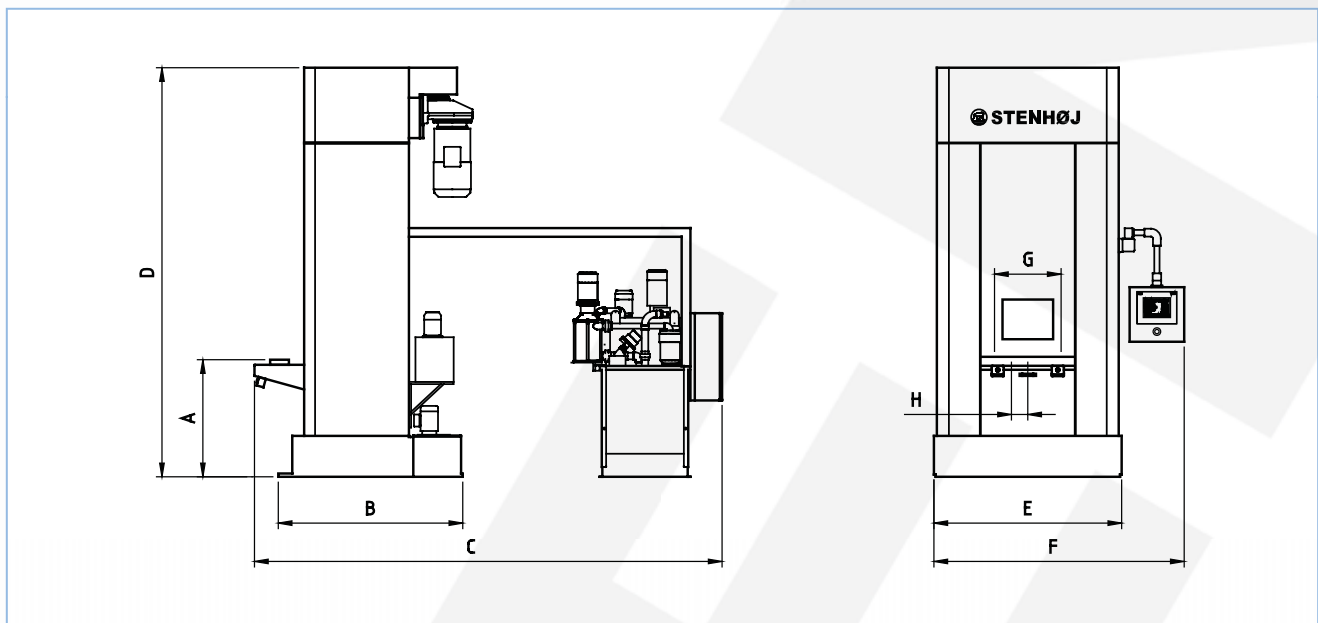


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SDZ S and H Broaching Machine

Model: S: TOWER – H: TABLE UP			S-80	H-80	S-100	H-100	S-120	H-120
Broaching force at 6 m/min		kN	80	80	100	100	120	120
Operation height	A							
– Stroke length 800		mm	1500	1100	1500	1100	1500	1100
– Stroke length 1000		mm	1700	1100	1700	1100	1700	1100
– Stroke length 1250		mm	1950	1100	1950	1100	1950	1100
Depth	B	mm	1500	1500	1700	1700	1700	1700
Depth, total	C	mm	4100	4100	4300	4300	4300	4300
Height, total	D							
– Stroke length 800		mm	3300	2600	3500	2800	3500	2800
– Stroke length 1000		mm	3700	2800	3900	3000	3900	3000
– Stroke length 1250		mm	4200	3100	4400	3300	4400	3300
Width	E	mm	1400	1400	1700	1700	1700	1700
Width, total	F	mm	2700	2700	2700	2700	2700	2700
Faceplate width	G	mm	350	350	450	450	450	450
Number of broaching stations			1-2	1-2	1-2-3	1-2-3	1-2-3	1-2-3
Distance between Broach stations	H	mm	160	160	130	130	130	130
Tool length, min. at type V			500	500	600	600	600	600
Weight		Kg	4500	4500	6500	6500	7000	7000
Motor effect		kW	11	11	15	15	15	15
Broaching speed – Infinitely adjustable		m/min	3-9	3-9	3-9	3-9	3-9	3-9
Rapid approach – Infinitely adjustable		m/min	3-12	3-12	3-12	3-12	3-12	3-12
Return speed – Infinitely adjustable		m/min	3-12	3-12	3-12	3-12	3-12	3-12

Subject to change without notice.



STENHØJ

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