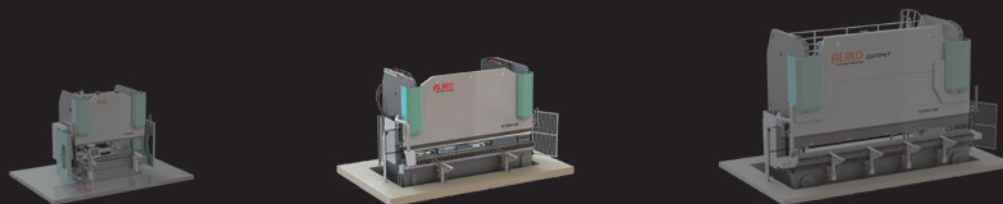


HEAVY DUTY

Heavy Duty press brakes – quality solutions for larger volumes. This series has reinforced construction, 4,2–10 meters bending length and 500–750 tons bending force. It is completed with various accessories and optional devices.

Heavy Duty frame is designed to minimize welding structures to achieve the highest possible uniformity in the press brake frame structure. In addition to high quality, we achieve a cost-effective and fast manufacturing process that enables large-scale press brakes to be also delivered quickly and affordably to our customers.



F-sarja 220-500 tn

Heavy Duty 500-750 tn

Giant 1000-4000 tn

Pressing force

HYDRAULIC SYSTEM

In Finland designed and high quality components assembled hydraulic system is efficient and trouble-free

LIGHTNING SYSTEM

Modern LED lightning system installed on the back and front side of machine

CONTROL SYSTEM

The powerful Cybelec Visitouch 19 control makes operator's work easier

FRAME DEFLECTION COMPENSATION

Real time measuring system between upper and lower beam



ECO MODE

Hydraulic system uses power only when it is needed

LASER SAFETYSYSTEM

Lazersafe safety system increases machine productivity and safety

TOOL FASTENING SYSTEMS

Fast and long-living tool fastening solutions ensure machine productivity

BACK GAUGE SYSTEM

2-,4-,5- or 6-axis high performance back gauge systems are fast and accurate

CNC CROWNING

For each machine size optimized high precision crowning quarantees excellent bending quality

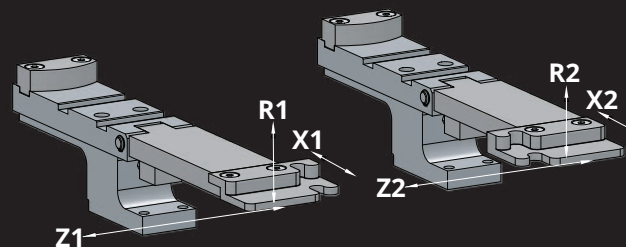
FRONT SUPPORTS

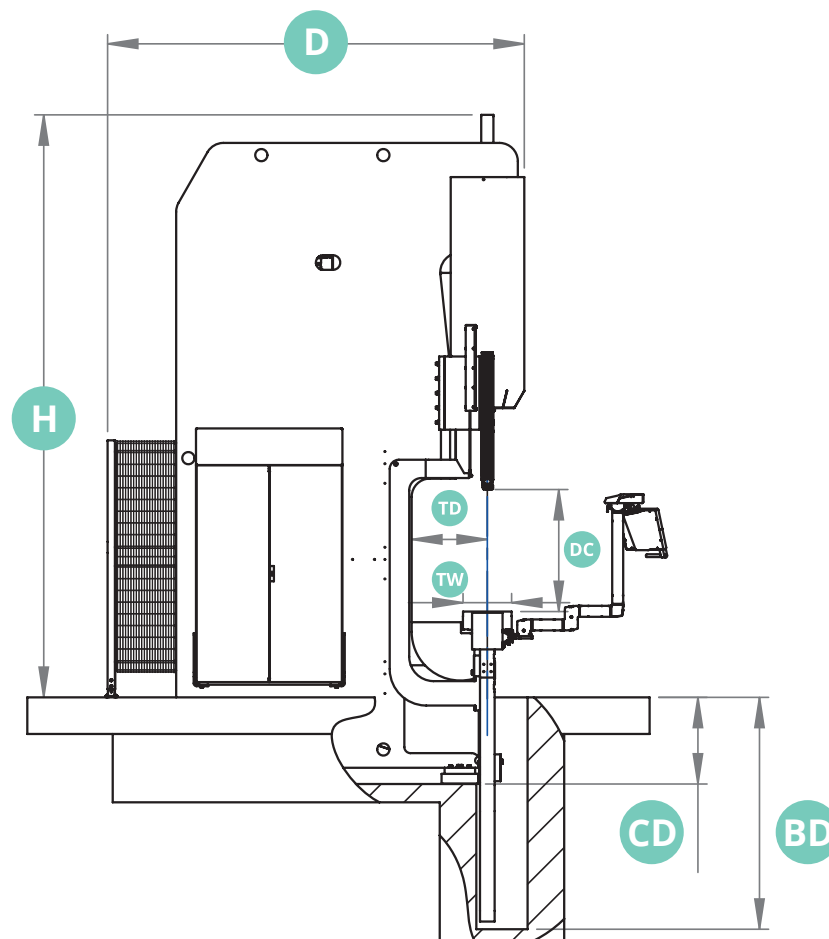
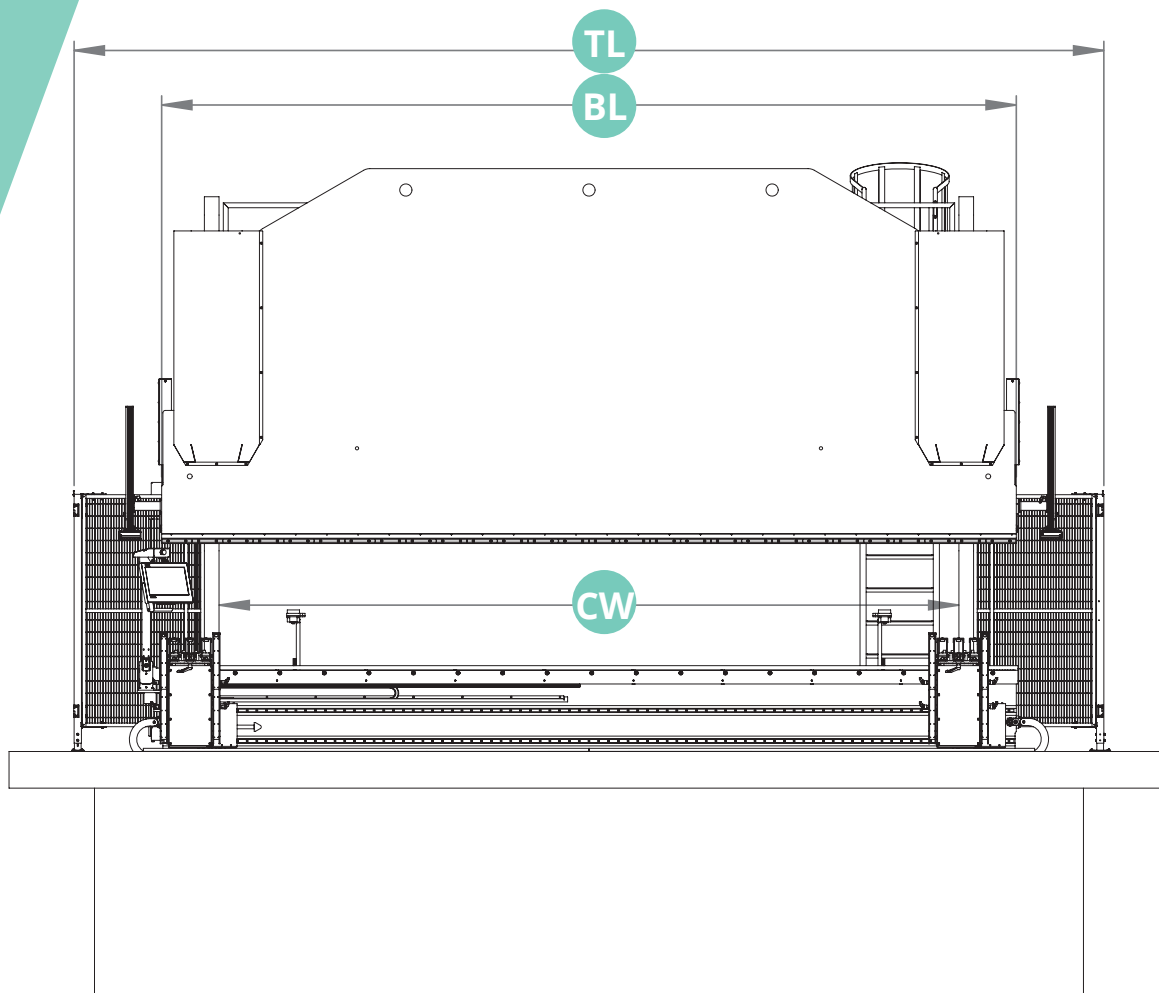
Fast adjustable standard front supports or fully automatic sheet followers

TECHNICAL SPECIFICATION - HEAVY DUTY

	SP4200-500	SP6000-500	SP7000-500	SP4200-750	SP6000-750	SP7000-750	SP8000-750	SP10000-750	
Pressing force	5000	5000	5000	7500	7500	7500	7500	7500	kN
Bending length	BL 4200	6000	7000	4200	6000	7000	8000	10 000	mm
Total length	TL 5140	6940	7940	5500	7300	8300	9300	11 300	mm
Width	D 2460	2460	2460	4120	4120	4120	4120	4120	mm
Height	H 3860	4110	4600	4820	4820	4820	4820	5220	mm
Distance between side frames	CW 3520	5320	6320	3260	5060	6060	7060	9060	mm
Stroke	300/400	300/400	300/400	400/600	400/600	400/600	400/600	400/600	mm
Open height	DC 610	610	610	800	800	800	800	800	mm
Throat depth	TD 500	500	500	620	620	620	620	620	mm
Table width	T 100/300	100/300	100/300	100-400	100-400	100-400	100-400	100-400	mm
Y-axis accuracy	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	mm
Y-axis speed, max	100	100	100	100	100	100	100	100	mm/s
Y-axis working speed, max	1-10	1-10	1-10	1-10	1-10	1-10	1-10	1-10	mm/s
Y-axis return speed, max	100	100	100	100	100	100	100	100	mm/s
Oil capacity	400	400	400	600	800	800	800	800	l
Weight	28	38	45	40	55	65	75	90	tn
Main motor power	30	30	30	75	75	75	75	75	kW
Side frame underfloor	CD 0	0	0	710	710	710	710	710	mm
Lower beam underfloor	BD 600	1200	1200	1200	1600	1900	2100	2500	mm

Back gauge	2-axis	4-axis	6-axis	
X-axis travel	1000	1000	1000	mm
X-axis positioning, max	1100	1100	1500	mm
X-axis speed, max	750	750	550	mm/s
X-axis accuracy	0,05	0,05	0,05	mm
R-axis travel	300	300	300	mm
R-axis speed, max	200	200	200	mm/s
R-axis accuracy	01	0,1	0,1	mm
Z-axis speed, max	0	650	650	mm/s
Z-axis accuracy	0,5	0,5	0,2	mm/s





Bending length **BL** F-Series 3000-4200 mm Heavy Duty 4200-10 000 mm Giant 4200-14 000 mm

Pressing force F-Series 220-500 tn Heavy Duty 500-750 tn Giant 1000-4000 tn

Stroke F-Series 250-400 mm Heavy Duty 300-600 mm Giant 500-600 mm

All technical specifications of Aliko press brakes can be modified according to customers needs.