



Main Features

Flexible, high-yield tools Ergonomics, Design and Safety

Industry 4.0 ready

(Ideal for integration with robotised cells.) The right choice for performance More efficient energy consumption

Sustainable

Ability to carry out highly complex work with precision

Benefits

High approximation, bending and return speeds;

Wider Opening and Stroke;

Activation via servomotors;

Front support arm on rail with table and brushes (Product Standard); Speed change 2 mm above the sheet metal;

High precision;

Standard machine with crowning table, Lasersafe IRIS safety system, front support arms on rail with brushes and height adjustment and 4-axis back gauge (X, R, Z1 and Z2).



When the operator is not operating the hybrid PF, the hydraulics are also stopped as they are activated instantly by a servomotor. When the servomotor is stopped, the hydraulic system is at rest, leading to energy savings, and it's environmentally friendly too.

Solution for customers that need a high-yield, high-performance machine.

PF

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METAL FORMING SOLUTIONS



PRESS BRAKES PF

TECHNICAL DATA SHEETS

Press Brakes

PF

The high-performance hydraulic PF (Press Fast) range is characterised by its high working speed and maximum productivity. With a wide opening and stroke, ADIRA PF press brakes not only allow for larger parts, but also integration with different automation projects (robotised cells).



Multi-axis back gauge and bend angle measuring systems available as an option.

Flexibility and adaptability.

TECHNICAL DATA SHEETS

PF		13530	16030	16040	22040
Bending strength	kN	1350	1600	1600	2200
Max. bending length	mm	3000	3000	4000	4000
Distance between side frames	mm	2550	2550	3150	3150
Maximum stroke	mm	400	400	400	400
Max. opening without intermediate tools	mm	630	630	630	615
Arch	mm	400	400	400	400
Power	kW	2x11	2x11	2x11	2x11
Approximation speed	mm/s	180	180	180	170
Working speed	mm/s	10*	10*	10	9
Return speed	mm/s	180	180	180	170
Back gauge					
X-axis stroke	mm	625	625	625	625
X-axis speed	mm/s	800	800	800	800
X1-axis stroke	mm	± 100	± 100	± 100	± 100
X1-axis speed	mm/s	100	100	100	100
R-axis stroke	mm	200	200	200	200
R-axis speed	mm/s	200	200	200	200
Z - Z1/Z2-axis stroke	mm	2150	2150	2750	2750
Z - Z1/Z2-axis speed	mm/s	800**	800**	800**	800**
Tower back gauge					
X1/X2-axis stroke	mm	750	750	750	750
X1/X2-axis speed	mm/s	400	400	400	400
R1/R2-axis stroke	mm	200	200	200	200
R1/R2-axis speed	mm/s	200	200	200	200
Z1/Z2-axis stroke	mm	Variable	Variable	Variable	Variable
Z1/Z2-axis speed	mm/s	800	800	800	800
Standard dimensions (LxWxH)					
Min./Max. Length	mm	3920/4670	3920/4670	4950/5700	4970/5720
Max. Width	mm	2200	2200	2240	2320
Max. Height	mm	3110	3110	3250	3190
Height for transport	mm	2980	2980	2980	2980
Approx. mass	Kg	9600	9800	12000	14500



Equipment	PF	
Punch Tightening	Fast tightening "ADIRA" intermediary tools, non-reversible	standard
	Fast tightening "ADIRA" intermediary tools, reversible	■
	"ADIRA/USA" intermediary tools	■
	Wila Pro Hydraulic Punch Tightening	■
	Wila Pro USA Hydraulic Punch Tightening	■
	Wila Premium Hydraulic Punch Tightening	■
	Wila Premium USA Hydraulic Punch Tightening	■
Pneumatic Punch Tightening with Teda Front Insertion	■	
Tables	Crowning Table, base 60, "Standard Table Kit"	standard
	180 mm Table for Multi V "Table Kit II" Dies	■
	13 mm Table for Wila "Table Kit III" Dies	■
	Crowning Table with Wila Pro Hydraulic Tightening	■
	Pneumatic tightening for 60 mm base dies	■
Sheet metal support	2 support arms on rail (with height adjustment, with brushes, L = 800 mm) (replaces ADQ.03.02)	standard
	1 additional support arm on rail (with height adjustment, with brushes, L = 800 mm) (requires ADQ.03.04)	■
	Bending Aid (AQ1)	■
Second Bending Aid (AQ2) - (requires ADQ.03.08)	■	
Back gauges	X/R/Z1/Z2 back gauge for AD60	standard
	X/R/Z1/Z2 back gauge for Delem 6X	■
	X/X1/R/Z1/Z2 back gauge for AD60	■
	X/X1/R/Z1/Z2 back gauge for Delem 6X	■
	X1/X2 - R1/R2 - Z1/Z2 tower back gauge (AD61 or Delem 6X)	■
	1 extra light-duty back gauge stop	■
2 extra back gauge stops	■	
Anti-collision function per stop (extra for each stop)	■	
Safety	IRIS Laser Safety (PHs - larger than 4 m)	standard
Controls	ESA AD60	standard
	DELEM DA 66_2D (up to 16 axes)	■
	DELEM DA 69_3D (up to 16 axes)	■
Leds	Leds (Smart Placing) Esa (only with AD6X)	■
	Leds (Smart Placing) Esa (only with Wila and AD6X)	■
	Leds (Smart Placing) Esa (only with Wila and Delem6X)	■
Other	Interface with Robot	■
	Air Conditioning on the Electrical Distribution Board	■
	Standard tool kit - @ 85° Punch: 3 or 4 x701603305 + 1x701602302 / 4-vee die 3 or 4 x721103300 +1x721104300	■
	Special Tools	on request
	Digital Goniometer	■
	2 Machines in tandem	on request

* Speeds for machines without CE Safety
 ** Speeds for machines without an X1 axis