

iBend NC Series

CONVENTIONAL NC HYDRAULIC PRESS BRAKE

Standard Equipments

- ▶ Y, X Axes
- ▶ NC control unit
- ▶ Elgo P40
- ▶ Original Hoerbig or Rexroth Hydraulic Systems with CE norms compatible
- ▶ Schneider-Telemecanique electrical components, with ventilations electrical cabinet
- ▶ Control panel and foot pedal with CE norms compatible
- ▶ User friendly ergonomically movable control panel
- ▶ Motorized programmable back gauge
- ▶ Front Support Arms
- ▶ Back gauge X axis range (stroke) 500mm
- ▶ Manual movable back gauge fingers along of bending length
- ▶ Side protect covers
- ▶ Promecam type top tool clamping system
- ▶ Top tools hardened, grinded standard 835mm lengths, 66,6mm (1260)-105mm (1281) (400 ton and over) high
- ▶ Bottom tools hardened, grinded standard 835 mm lengths, 60x60mm, 4 channels 16/22/35/50 mm (2067)
- ▶ Narrow Table or double sided T slot wide table
- ▶ Complete electrical switch board and control panel for 400V AC 3 Phase 50Hz



Optional Equipments

- ▶ Cybelec Touch 6 control unit (Touch Screen colored)
- ▶ Original WILA 'Opposing wave' Manual Crowning (Anti-deflections) System
- ▶ 750mm or 1000mm X axis range (stroke)
- ▶ CE Conformity with AKAS Laser finger protections manual and safety PLC
- ▶ DFS Laser Beams finger protections in front
- ▶ Quick Clamping promecam type top tool system
- ▶ American type compatible top tool clamping system
- ▶ Movable Sliding Front support arms
- ▶ Extra backgauge fingers
- ▶ Extra front support arms
- ▶ Heat Exchanger (Oil Cooler)
- ▶ CE conformity light barriers rear of pres
- ▶ CE conformity Light Barriers in front (for Tandem applications)
- ▶ Extra backgauge fingers
- ▶ Extra front support arms
- ▶ Heat Exchanger (Oil Cooler)
- ▶ Special Color
- ▶ ROL1 or ROL2- ROL4 top tool clamping systems
- ▶ 220-240V 60hz operating voltage
- ▶ 440-480V 60hz operating voltage
- ▶ 220-240V 60Hz and 440V-480V 60 Hz double operating voltage (by preliminary preparation)

▶ Controller



▶ Elgo P40 Standard



▶ Cybelec Touch 6 Optional

▶ Technical Table

NC Series	Bending Power Force	Bending Length	Distance Between Columns	Stroke	Daylight	Throat	Table Height	Table Height Below Ground	Length	Height	Width	Rapid Approach Speed	*Pressing speed	Return Speed	Main motor	Weight
	ton.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm/s	mm/s	mm/s	kW	Kg
NC 25/090	90	2600	2150	140	345	300	880	xx	4350	2300	2200	80	9	80	5,5	5500
NC 30/090	90	3100	2550	140	345	300	900	xx	4750	2300	2200	80	9	80	5,5	6500
NC 30/120	120	3100	2550	155	360	300	920	xx	4750	2450	2500	80	9	80	11	7500
NC 30/160	160	3100	2550	180	385	300	920	xx	4750	2550	2675	80	9	80	15	8500
NC 30/200	200	3100	2550	200	405	300	920	xx	4800	2650	2700	100	10	100	18,5	10000
NC 30/225	225	3100	2550	200	405	300	930	xx	4800	2680	2700	100	10	100	18,5	11000
NC 30/260	260	3100	2550	250	455	400	930	xx	4850	2750	2800	80	8	80	18,5	13000
NC 30/300	300	3100	2550	250	455	400	940	xx	4850	2770	2850	80	8	80	18,5	13500
NC 30/400	400	3100	2550	300	505	500	900	350	4950	3000	3050	80	8	70	30	20000
NC 30/500	500	3100	2550	300	555	500	900	450	5000	3200	3150	80	7	70	30	23000
NC 30/600	600	3100	2550	350	600	500	900	550	5050	3400	3300	80	7	70	45	28000
NC 35/120	120	3600	3100	150	355	300	930	xx	5350	2500	2500	80	9	80	11	9000
NC 35/160	160	3600	3100	180	385	300	940	xx	5350	2750	2675	80	8	80	15	10000
NC 35/225	225	3600	3100	200	405	300	940	xx	5350	2850	2700	100	10	100	18,5	12500
NC 35/260	260	3600	3100	250	455	400	950	xx	5400	2870	2800	80	8	80	18,5	14000
NC 35/300	300	3600	3100	250	455	400	970	xx	5400	2900	2850	80	8	80	18,5	14500
NC 40/120	120	4100	3100	150	355	300	930	xx	5600	2470	2500	80	9	80	11	10000
NC 40/160	160	4100	3100	180	385	300	940	xx	5600	2750	2675	80	9	80	15	11500
NC 40/200	200	4100	3100	200	405	300	940	xx	5600	2820	2700	100	10	100	18,5	12500
NC 40/225	225	4100	3100	200	405	300	940	xx	5600	2850	2700	100	10	100	18,5	13500
NC 40/260	260	4100	3100	250	455	400	950	xx	5650	2870	2800	80	8	80	18,5	15000
NC 40/300	300	4100	3100	250	455	400	970	xx	5650	2900	2850	80	8	80	18,5	15500
NC 40/400	400	4100	3100	300	505	500	900	500	5850	3100	3050	70	8	80	30	24000
NC 40/500	500	4100	3100	300	555	500	900	650	5900	3250	3150	70	8	80	30	29000
NC 40/600	600	4100	3100	350	600	500	900	750	5900	3350	3300	70	7	80	45	33000
NC 60/200	200	6100	4100	200	405	500	1040	xx	7950	3050	2750	100	10	100	18,5	23000
NC 60/260	260	6100	4100	250	455	500	900	900	8000	3350	2950	80	8	80	18,5	28000
NC 60/300	300	6100	4100	250	455	500	900	950	8000	3400	3000	80	8	80	18,5	30000
NC 60/400	400	6100	4100	300	605	500	900	1150	8050	3650	3050	80	8	70	30	40000
NC 60/500	500	6100	5100	300	605	500	900	1450	8100	3950	3150	80	7,5	70	30	45000
NC 60/600	600	6100	5100	350	655	500	900	1500	8150	4300	3300	80	6	60	45	52000

Technical specifications are subject to change without notice. Special capacity machines can be manufactured upon request.

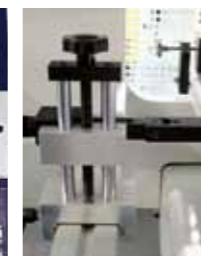
▶ Equipments



▶ DFS Laser Optional



▶ Manual Akas Laser Optional



▶ Gauge Fingers



▶ Front Support Arm

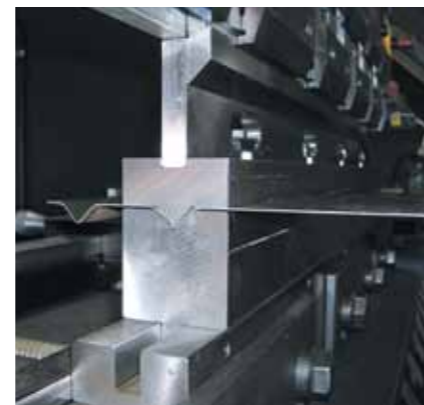
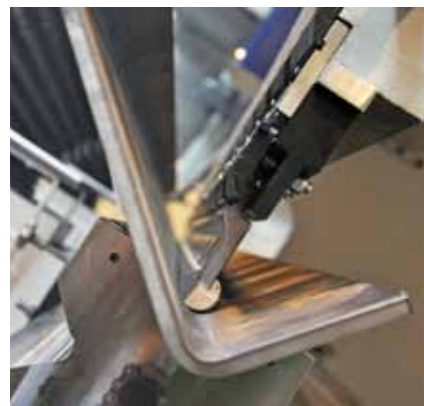


▶ Back Gauge

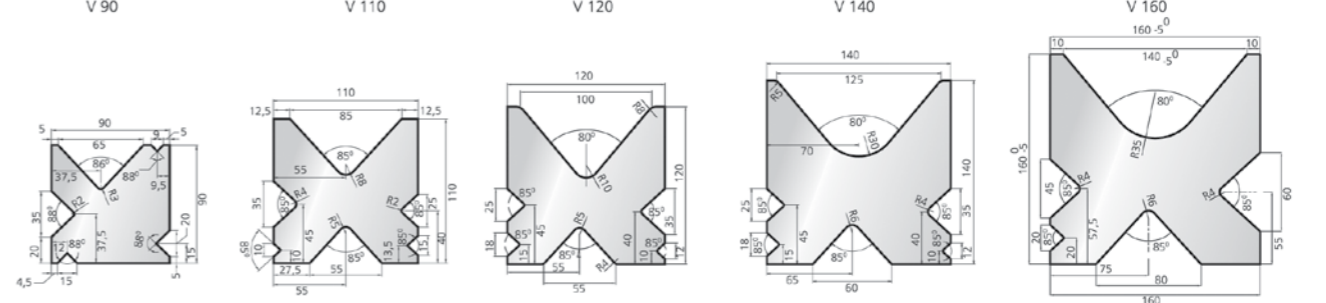
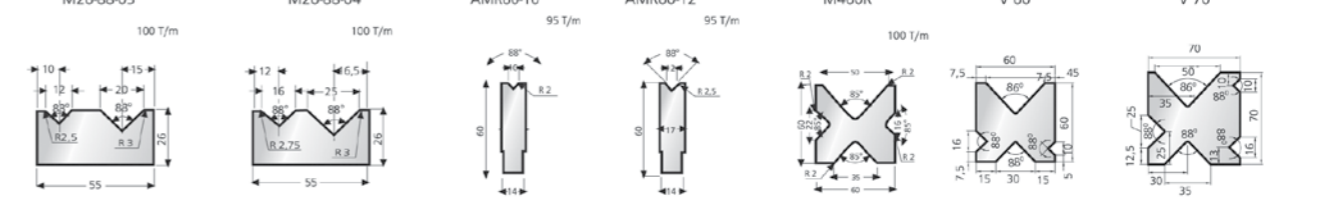
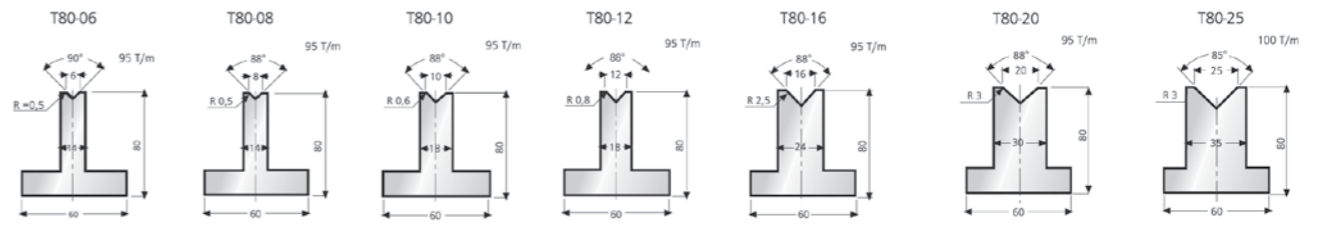
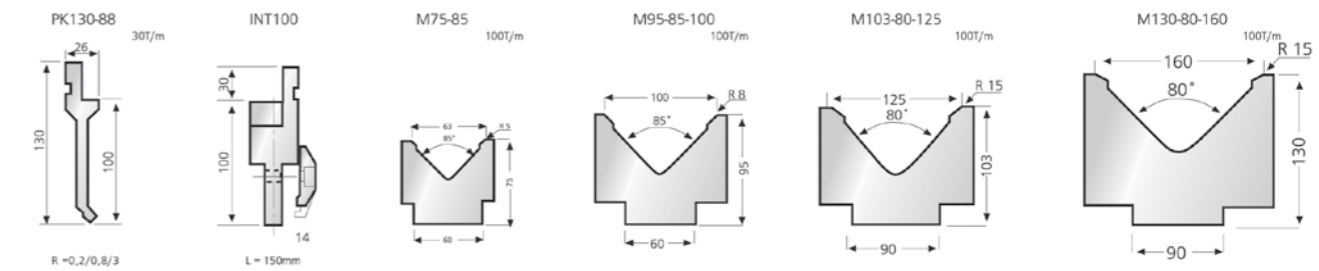
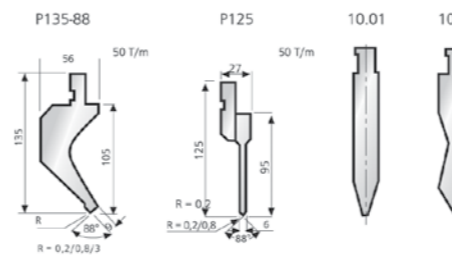
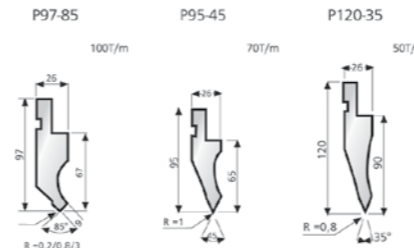
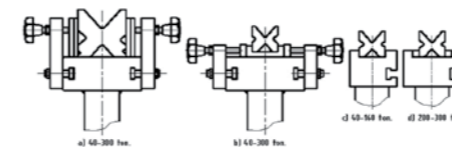


▶ Original Wila Brand Manual Crowning (Anti Deflections) Optional

Special Applications



Tools



Bending Chart

S	R																						
	0.5	0.8	1	1.2	1.5	2	2.5	3	4	5	6												
0.7	26	4	10.5																				
0.9	3.9	2.6	6.9	10.6	15.3																		
1.5	5.2	2	5.5	8	11.5	18																	
1.7	6.5	4.1	6.5	9.5	14.5	26																	
2	7.8		5.5	8	12	21.5	33.5																
2.7	10.4			6	9	16	25	36															
3.4	13				7.5	13	20	29	52														
3.9	15.6					10.6	17	24	43	67													
5	20						14	19	34	54	77												
6	23							17	30	46	66												
7	26								15	26	40	103											
8.5	32									21	32	46	82	120									
9	36										30	42	75	117									
10	39											27	39	69	107								
11.7	45												33	59	92	132							
13.5	52													29	52	80	116	180					
15	58														46	71	103	160					
17	65															41	64	93	144				
20	78																54	77	120				
24	91																	66	103	183			
25	104																		90	160	250		
31	130																		72	128	200		
39	163																			102	160	230	
47	195																				85	133	192

450 N/mm² (C=1)
P (T/m)

C P=PxC
(N/mm²)