



COLD BEND TESTING MACHINE (6-50mm DIA.)

Standard: BS EN ISO 15630-1 / 7438, ASTM A615, A615M

Cold Test Bending

Used for bending & re-bending reinforced concrete bar, the machine is mainly composed of transmission parts, racks, table & screw adjustment device, equipped with protective enclosures. **Supplied with bar puller and tool kit set.**

The machine can perform two types of test:

- bending the specimen through 180° only with mandrels up to max. 96mm included.
- bending the specimen through 90° and then straightening it again up to a minimum of 20° with mandrels over 96mm dia.

Technical Specifications :

Model Number	NL 6001 X / 005
Specimen Diameter	6 - 50 mm
Max. Bend Force	160 kN
Max. Support Distance	800 mm
Max. Bending Angle	0° - 180°
Re-Bending Angle	20° minimum
Piston Speed	200 mm/min
Max. Piston Stroke	400 mm
Dimension	1550 (L) x 900 (W) x 1050 (H) mm
Approx. Weight	400 kg
Power	380~415 V, 3 Ph, 50/60 Hz, 1.99A, 1.1 kW

Unit Consist Of :

Model Number	Parts Description	Qty
NL 6001 X / 004 - P 001	Specimen Removal Tool	1no.
NL 6001 X / 004 - P 002	Rebend Tool	1no.
NL 6001 X / 004 - P 003	Digital Angle Ruler	1set
NL 6001 X / 004 - P 004	Basic Tool Kit	1set



Specimen Removal Tool



Rebend Tool



Digital Angle Ruler

Optional Accessories :

Mandrel Model Number	Mandrel Dia. mm	Rebar Ø mm	Rebar Ø mm	Rebar Ø mm	Mandrel Holder Model Number
NL 6001 X / 004-A001	24	6	-	6	Type A
NL 6001 X / 004-A002	28	-	-	7	Type B
NL 6001 X / 004-A003	32	7	9.5	8	
NL 6001 X / 004-A004	36	-	-	9	
NL 6001 X / 004-A005	40	8	-	10	
NL 6001 X / 004-A006	44	-	12.7	-	
NL 6001 X / 004-A007	48	-	-	12	Type C
NL 6001 X / 004-A008	56	10	15.9	14	
NL 6001 X / 004-A009	64	12	-	16	
NL 6001 X / 004-A010	96	14	19.1	-	No Holder Directly fitted to the piston
NL 6001 X / 004-A011	112	16	22.2	-	
NL 6001 X / 004-A012	128	18	25.4	-	
NL 6001 X / 004-A013	132	20	-	-	
NL 6001 X / 004-A014	140	22	-	20	
NL 6001 X / 004-A015	175	-	-	25	
NL 6001 X / 004-A016	180	26	-	-	
NL 6001 X / 004-A017	200	28	28.7	-	
NL 6001 X / 004-A018	224	32	32.2	32	
NL 6001 X / 004-A019	250	-	35.8	50	
NL 6001 X / 004-A020	280	-	-	40	
NL 6001 X / 004-A021	320	38	-	-	
NL 6001 X / 004-A022	336	40	-	-	

*Mandrel which not in the range also can be ordered separately.

