



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

Standard: ISO 15630-1, ISO 7438, ASTM A615

Cold Bend / Rebind Test

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

The machine can perform two types of test:

- Bending the specimen through 180° with mandrels up to maximum 350 mm are included.
- Perform a rebend of at least 20° on the test specimen.

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
Product Dimension (mm)	1550 (L) x 900 (W) x 1050 (H)
Approx. Weight	400 kg
Power	380~415 V, 1.1 kW, 3 Ph, 50/60 Hz, 1.99 A

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
NL 6001 X / 004 – P 005	Mandrel Holder Type A (18 - 24mm only)	1set
NL 6001 X / 004 – P 006	Mandrel Holder Type B (27 - 44mm only)	1set
NL 6001 X / 004 – P 007	Mandrel Holder Type C (48 - 64mm only)	1set



Specimen Removal Tool



Rebend Tool



Digital Angle Ruler

Selectable Options :

Mandrel Size		Options For Rebar Diameter (mm)			Mandrel Holder
		1	2	3	
		BS EN ISO 15630-1	ASTM A615	MS 146	
A023	18	6	-	6	Type A
A024	21	7	-	7	
A001	24	8	-	8	
A025	27	-	-	9	Type B
A026	30	10	-	10	
A004	36	12	#3 (9.5 mm)	12	
A027	42	14	-	14	
A007	48	16	-	16	Type C
A028	54	18	-	-	
A009	64	-	#4 (12.7 mm)	-	
A030	80	20	#5 (15.9 mm)	20	Axially mounted to the piston
A031	88	22	-	-	
A010	96	-	#6 (19.1 mm)	-	
A032	110	26	#7 (22.2 mm)	-	
A033	125	-	#8 (25.4 mm)	25	
A014	140	28	-	-	
A044	160	32	-	32	
A045	190	38	-	-	
A017	200	40	#9 (28.7 mm)	-	
A018	224	-	#10 (32.3 mm)	-	
A019	250	-	-	36	
A020	280	-	#11 (35.8 mm)	40	
A046	300	50	-	-	
A047	350	-	#14 (43.0 mm)	50	

Optional Accessories :

Model Number	Accessories Description
NL 6001 X / 004 – A002	Mandrel (Ø 28 mm)
NL 6001 X / 004 – A003	Mandrel (Ø 32 mm)
NL 6001 X / 004 – A005	Mandrel (Ø 40 mm)
NL 6001 X / 004 – A006	Mandrel (Ø 44 mm)
NL 6001 X / 004 – A008	Mandrel (Ø 56 mm)
NL 6001 X / 004 – A011	Mandrel (Ø 112 mm)
NL 6001 X / 004 – A012	Mandrel (Ø 128 mm)
NL 6001 X / 004 – A013	Mandrel (Ø 132 mm)
NL 6001 X / 004 – A015	Mandrel (Ø 175 mm)
NL 6001 X / 004 – A016	Mandrel (Ø 180 mm)
NL 6001 X / 004 – A021	Mandrel (Ø 320 mm)
NL 6001 X / 004 – A022	Mandrel (Ø 336 mm)

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

