



DIGITAL PULL-OUT TESTER

Standard: ASTM C 900, BS 1881-207

Strength Evaluation

The Pull Out Test Apparatus is used for determining the bond strength between anchored reinforcing steel bar (rebar) and concrete and for checking anchorage performance in-situ. The Pull Out Test Apparatus are available in variety of capacities and size of wedges & adapter for selection. Specimen wedges are sold separately and user have to select the desired size (refer Optional Accessories).

Technical Specifications :

Model Number	Capacity	Cylinder (Hollow Ø)	Piston Travel	Cylinder Weight	Hand Pump	Display Resolution	Specimen Wedges	Puller Rod	Threaded Adapter
CL 4016 X / 005	100 kN	27 mm	60 mm	5.5 kg	Single Acting	0.01 kN	Ø6 - Ø20	M18	M6 - 20
CL 4016 X / 006	200 kN	35 mm	80 mm	13 kg	Single Acting		Ø6 - Ø25	M24	M6 - 24
CL 4016 X / 007	300 kN	45 mm	80 mm	15 kg	Single Acting		Ø6 - Ø32	M30	M6 - 30
CL 4016 X / 008	500 kN	60 mm	120 mm	25 kg	Double Acting		Ø6 - Ø40	M39	M6 - 36
CL 4016 X / 009	1000 kN	85 mm	150 mm	58 kg	Double Acting		Ø25 - Ø40	M45	M20 - 39

Digital Pull-Out Tester 100 kN

Set Consists Of :

Model Number	Parts Description	Qty
CL 4016 X / 005 – P 001	100 kN (10 Tons) Single Acting Hydraulic Cylinder	1set
CL 4016 X / 005 – P 002	Single Acting Hand Operated Pump, Digital Display unit c/w 2m Hydraulic Hose & Carry Case	1set
CL 4016 X / PCA	Power Charger Adapter	1 Unit

Optional Accessories :

Model Number	Parts Description
CL 4016 X / SW6	Specimen Wedge 6 mm Dia.
CL 4016 X / SW8	Specimen Wedge 8 mm Dia.
CL 4016 X / SW10	Specimen Wedge 10 mm Dia.
CL 4016 X / SW12	Specimen Wedge 12 mm Dia.
CL 4016 X / SW14	Specimen Wedge 14 mm Dia.
CL 4016 X / SW16	Specimen Wedge 16 mm Dia.
CL 4016 X / SW18	Specimen Wedge 18 mm Dia.
CL 4016 X / SW20	Specimen Wedge 20 mm Dia.
CL 4016 X / PR – M18	M18 Puller Rod c/w Washer

CL 4016 X / PR18 – S	Puller Adaptor Set (M6 - 20, 8 pcs)
CL 4016 X / PR18 – 6	M18 Puller Rod Adaptor M6
CL 4016 X / PR18 – 8	M18 Puller Rod Adaptor M8
CL 4016 X / PR18 – 10	M18 Puller Rod Adaptor M10
CL 4016 X / PR18 – 12	M18 Puller Rod Adaptor M12
CL 4016 X / PR18 – 14	M18 Puller Rod Adaptor M14
CL 4016 X / PR18 – 16	M18 Puller Rod Adaptor M16
CL 4016 X / PR18 – 18	M18 Puller Rod Adaptor M18
CL 4016 X / PR18 – 20	M18 Puller Rod Adaptor M20

Digital Pull-Out Tester 200 kN

Set Consists Of :

Model Number	Parts Description	Qty
CL 4016 X / 006 – P 001	200 kN (20 Tons) Single Acting Hydraulic Cylinder	1set
CL 4016 X / 006 – P 002	Single Acting Hand Operated Pump, Digital Display unit c/w 2m Hydraulic Hose & Carry Case	1set
CL 4016 X / PCA	Power Charger Adapter	1 Unit

Optional Accessories :

Model Number	Parts Description	
CL 4016 X / SW6	Specimen Wedge 6 mm Dia.	CL 4016 X / PR24 – S Puller Adaptor Set (M6 - 24, 10 pcs)
CL 4016 X / SW8	Specimen Wedge 8 mm Dia.	CL 4016 X / PR24 – 6 M24 Puller Rod Adaptor M6
CL 4016 X / SW10	Specimen Wedge 10 mm Dia.	CL 4016 X / PR24 – 8 M24 Puller Rod Adaptor M8
CL 4016 X / SW12	Specimen Wedge 12 mm Dia.	CL 4016 X / PR24 – 10 M24 Puller Rod Adaptor M10
CL 4016 X / SW14	Specimen Wedge 14 mm Dia.	CL 4016 X / PR24 – 12 M24 Puller Rod Adaptor M12
CL 4016 X / SW16	Specimen Wedge 16 mm Dia.	CL 4016 X / PR24 – 14 M24 Puller Rod Adaptor M14
CL 4016 X / SW18	Specimen Wedge 18 mm Dia.	CL 4016 X / PR24 – 16 M24 Puller Rod Adaptor M16
CL 4016 X / SW20	Specimen Wedge 20 mm Dia.	CL 4016 X / PR24 – 18 M24 Puller Rod Adaptor M18
CL 4016 X / SW22	Specimen Wedge 22 mm Dia.	CL 4016 X / PR24 – 20 M24 Puller Rod Adaptor M20
CL 4016 X / SW25	Specimen Wedge 25 mm Dia.	CL 4016 X / PR24 – 22 M24 Puller Rod Adaptor M22
CL 4016 X / PR – M24	M24 Puller Rod c/w Washer	CL 4016 X / PR24 – 24 M24 Puller Rod Adaptor M24

Digital Pull-Out Tester 300 kN

Set Consists Of :

Model Number	Parts Description	Qty
CL 4016 X / 007 – P 001	300 kN (30 Tons) Single Acting Hydraulic Cylinder	1set
CL 4016 X / 007 – P 002	Single Acting Hand Operated Pump, Digital Display unit c/w 2m Hydraulic Hose & Carry Case	1set
CL 4016 X / PCA	Power Charger Adapter	1 Unit

Optional Accessories :

Model Number	Parts Description	
CL 4016 X / SW6	Specimen Wedge 6 mm Dia.	CL 4016 X / SW25 Specimen Wedge 25 mm Dia.
CL 4016 X / SW8	Specimen Wedge 8 mm Dia.	CL 4016 X / SW28 Specimen Wedge 28 mm Dia.
CL 4016 X / SW10	Specimen Wedge 10 mm Dia.	CL 4016 X / SW32 Specimen Wedge 32 mm Dia.
CL 4016 X / SW12	Specimen Wedge 12 mm Dia.	CL 4016 X / PR – M30 M30 Puller Rod c/w Washer
CL 4016 X / SW14	Specimen Wedge 14 mm Dia.	CL 4016 X / PR30 – S M30 Puller Rod Adaptor Set (M6 - 30 ,12 pcs)
CL 4016 X / SW16	Specimen Wedge 16 mm Dia.	CL 4016 X / PR30 – 6 M30 Puller Rod Adaptor M6
CL 4016 X / SW18	Specimen Wedge 18 mm Dia.	CL 4016 X / PR30 – 8 M30 Puller Rod Adaptor M8
CL 4016 X / SW20	Specimen Wedge 20 mm Dia.	CL 4016 X / PR30 – 10 M30 Puller Rod Adaptor M10
CL 4016 X / SW22	Specimen Wedge 22 mm Dia.	CL 4016 X / PR30 – 12 M30 Puller Rod Adaptor M12
		CL 4016 X / PR30 – 14 M30 Puller Rod Adaptor M14

CL 4016 X / PR30 – 16	M30 Puller Rod Adaptor M16
CL 4016 X / PR30 – 18	M30 Puller Rod Adaptor M18
CL 4016 X / PR30 – 20	M30 Puller Rod Adaptor M20
CL 4016 X / PR30 – 22	M30 Puller Rod Adaptor M22
CL 4016 X / PR30 – 24	M30 Puller Rod Adaptor M24
CL 4016 X / PR30 – 27	M30 Puller Rod Adaptor M27
CL 4016 X / PR30 – 30	M30 Puller Rod Adaptor M30

Digital Pull-Out Tester 500 kN

Set Consists Of :

Model Number	Parts Description	Qty
CL 4016 X / 008 – P 001	500 kN (50 Tons) Double Acting Hydraulic Cylinder	1set
CL 4016 X / 008 – P 002	Double Acting Hand Operated Pump, Digital Display unit c/w 2m Hydraulic Hose & Carry Case	1set
CL 4016 X / PCA	Power Charger Adapter	1 Unit

Optional Accessories :

Model Number	Parts Description
CL 4016 X / SW6	Specimen Wedge 6 mm Dia.
CL 4016 X / SW8	Specimen Wedge 8 mm Dia.
CL 4016 X / SW10	Specimen Wedge 10 mm Dia.
CL 4016 X / SW12	Specimen Wedge 12 mm Dia.
CL 4016 X / SW14	Specimen Wedge 14 mm Dia.
CL 4016 X / SW16	Specimen Wedge 16 mm Dia.
CL 4016 X / SW18	Specimen Wedge 18 mm Dia.
CL 4016 X / SW20	Specimen Wedge 20 mm Dia.
CL 4016 X / SW22	Specimen Wedge 22 mm Dia.
CL 4016 X / SW25	Specimen Wedge 25 mm Dia.
CL 4016 X / SW28	Specimen Wedge 28 mm Dia.
CL 4016 X / SW32	Specimen Wedge 32 mm Dia.
CL 4016 X / SW36	Specimen Wedge 36 mm Dia.
CL 4016 X / SW38	Specimen Wedge 38 mm Dia.
CL 4016 X / SW40	Specimen Wedge 40 mm Dia.
CL 4016 X / PR – M39	M39 Puller Rod c/w Washer
CL 4016 X / PR50 – S	M39 Puller Rod Adaptor Set (M6 - 36 ,14 pcs)
CL 4016 X / PR50 – 6	M39 Puller Rod Adaptor M6
CL 4016 X / PR50 – 8	M39 Puller Rod Adaptor M8
CL 4016 X / PR50 – 10	M39 Puller Rod Adaptor M10

CL 4016 X / PR50 – 12	M39 Puller Rod Adaptor M12
CL 4016 X / PR50 – 14	M39 Puller Rod Adaptor M14
CL 4016 X / PR50 – 16	M39 Puller Rod Adaptor M16
CL 4016 X / PR50 – 18	M39 Puller Rod Adaptor M18
CL 4016 X / PR50 – 20	M39 Puller Rod Adaptor M20
CL 4016 X / PR50 – 22	M39 Puller Rod Adaptor M22
CL 4016 X / PR50 – 24	M39 Puller Rod Adaptor M24
CL 4016 X / PR50 – 27	M39 Puller Rod Adaptor M27
CL 4016 X / PR50 – 30	M39 Puller Rod Adaptor M30
CL 4016 X / PR50 – 33	M39 Puller Rod Adaptor M33
CL 4016 X / PR50 – 36	M39 Puller Rod Adaptor M36

Digital Pull-Out Tester 1000 kN

Set Consists Of :

Model Number	Parts Description	Qty
CL 4016 X / 009 – P 001	1000 kN (100 Tons) Double Acting Hydraulic Cylinder	1set
CL 4016 X / 009 – P 002	Double Acting Hand Operated Pump, Digital Display unit c/w 2m H ydraulic Hose & Carry Case	1set
CL 4016 X / PCA	Power Charger Adaptor	1 Unit

Optional Accessories :

Model Number	Parts Description
CL 4016 X / SW25	Specimen Wedge 25 mm Dia.
CL 4016 X / SW28	Specimen Wedge 28 mm Dia.
CL 4016 X / SW32	Specimen Wedge 32 mm Dia.
CL 4016 X / SW36	Specimen Wedge 36 mm Dia.
CL 4016 X / SW38	Specimen Wedge 38 mm Dia.
CL 4016 X / SW40	Specimen Wedge 40 mm Dia.
CL 4016 X / PR – M45	M45 Puller Rod c/w Washer
CL 4016 X / PR100 – S	M45 Puller Rod Adaptor Set (M20 - 39, 8 pcs)
CL 4016 X / PR100 – 20	M45 Puller Rod Adaptor M20
CL 4016 X / PR100 – 22	M45 Puller Rod Adaptor M22
CL 4016 X / PR100 – 24	M45 Puller Rod Adaptor M24
CL 4016 X / PR100 – 27	M45 Puller Rod Adaptor M27
CL 4016 X / PR100 – 30	M45 Puller Rod Adaptor M30
CL 4016 X / PR100 – 33	M45 Puller Rod Adaptor M33
CL 4016 X / PR100 – 36	M45 Puller Rod Adaptor M36
CL 4016 X / PR100 – 39	M45 Puller Rod Adaptor M39



Specimen Wedges



Puller Rod & Adapter

