



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai 400076.

Ref. : Rfx-6100002560

PR No.1000050962

Item Description: Cut and Pull-Out Test System

Sr. No.	Item Description	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
1.	Cut and Pull-Out Test System	<p>Cut and Pull-Out Test System</p> <p>Make: Germann Instruments A/S, Denmark Model: CAPO Test</p> <p>Cut And Pull-Out Test System capable of estimating the in-situ cube compressive strength of existing concrete structures up to 150MPa. The apparatus supplied with a core drill, a grinding wheel to prepare a flat bearing surface, a grooving tool in concrete and an expansion tool to expand the insert as per ASTM C900). Supplied complete with:</p> <p>A. Hydraulic Pull Machine Kit: 1 Nos. Portable hand operated hydraulic pull machine kit with in-built 0-100kN (0.1kN increment), precision electronic gauge with memory for storage of 500+ test results (peak value, time and date of testing), printout software, cable for printout/ or connecting to a computer, oil refilling cup, oil refilling bottle, large and small screwdrivers, calibration table, operating manual, all in a tough attache case.</p> <p>B. Test Preparation Kit: 1 Nos.</p> <p>Portable Drill machine 600 W, 2800 rpm, 9 Nm torque, variable speed electric drill, Diamond drill unit, Diamond Drill bit, Diamond planning wheel</p> <p>b. Diamond recess router unit 710 W, 24 000 rpm, variable speed, compact electric router for making 25mm recess at 25mm below planned concrete surface. Counter pressure 55mm ID, Expansion unit to expand the</p>		

		<p>coiled metal insert to 25mm inside the recess created, Necessary Accessories: Bottle of hydraulic silicone oil, requisite tools such as wrenches-14mm, 19mm, 46mm, screwdriver, tweezers, plastic hose, marking chalk, pliers, adjustable wrench, vernier caliper, all in a tough attache case.</p> <p>C. Consumable: -</p> <ul style="list-style-type: none">a. Expandable inserts: 100 Nos.b. Spare diamond drill bit: 1 Nosc. Spare Recess router: 1 Nos. <p>Qty: 1</p> <p>Warranty: 12 Months</p>		
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