

# F385



Traction bench designed to test and verify the resistance to traction (breaking force) of any part or group.

Manufactured in two versions:

- q electromechanical type (max traction force: 100 kN and 200 kN)
- q electrohydraulic version (max traction force: 600 kN and 3000 kN)

Both the versions can be equipped with electronic systems for controlling the traction force and the linear velocity. In standard version they come with an instrument for recording the breaking force.

	F385.100	F385.200	F385.600	F385.1000	F385.1500	F385.2000	F385.3000
Max traction force	100 kN	200 kN	600 kN	1000 kN	1500 kN	2000 kN	3000 kN
Run of the traction trolley (*)	600 mm	800 mm	1000 mm	1200 mm	1200 mm	1500 mm	1500 mm
Run of the secondary trolley (*)	0-6 m	0-6 m	1-8 m	2-10 m	2-10 m	2-10 m	4-15 m
Drive system of the traction trolley	electromech. hydraulic	electromech. hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Load cell	electronic hydraulic	electronic hydraulic	electronic hydraulic	electronic hydraulic	electronic hydraulic	electronic hydraulic	electronic hydraulic
Power of the electric motor	2,2 kW	3 kW	4 kW	4 kW	5,5 kW	5,5 kW	6,5 kW
Tension of the electric motor	220/380 V	220/380 V	220/380 V	220/380 V	380 V	380 V	380 V
Max width of the element/group to test (*)	400 mm	400 mm	600/1000 mm	800/1200 mm	800/1200 mm	1500 mm	1500 mm
Dimensions: length	2-8 m	2-9 m	4-11 m	4-13 m	4-13 m	6-15 m	10-20 m
width	1 m	1 m	1,2-1,5 m	1,35-1,75 m	1,35-1,75 m	1,5-2,00 m	1,5-2,00 m
height (**)	0,50 m	0,60 m	0,70 m	0,85 m	0,90 m	1,00 m	1,30 m
Weight	1000-3000 kg	1200-4000 kg	1800-6000 kg	2200-7500 kg	3000-8000 kg	5000-12000 kg	15000-35000 kg

(\*) variable on demand

(\*\*) variable agreeing with the cover

**BENCHES WITH TRACTION FORCE UPPER THAN 2000 kN CAN BE MADE ON DEMAND**

## CONFIGURATION

- qIndex-dynamometer displaying the traction force, with index of max force reached
- Electro-welded steel frame
- Traction trolley sliding on high precision slides, with load cell
- Secondary trolley sliding on wheels, with locking system by pins. The trolley has two different fittings: fork at one side, drilled plate on the opposite side. In 600 kN and 3000 kN version it has the fork only
- Electrohydraulic power unit to control the traction cylinder
- Cover made of steel frame and transparent plastic glass with wire net moved by hydraulic or electromechanical cylinders
- Electric/electronic board and control panel separated from the machine (for remote control, up to 3 m)
- Complying the EC safety standard

## OPTIONAL DEVICES

- 036 Cable-control of quick movement of the traction trolley
- 122.1 Electronic dynamometer with device for setting the velocity of the traction force. Accuracy  $\pm 0.5\%$  f.s
- 069.2 Electronic recorder of traction force, speed and length able to store and print the monitored data (numeric and graphic printing)
- 00B Secondary trolley, 180° revolving, with double fittings: fork at one side, drilled plate on the opposite side. Note: standard in 100 kN and 200 kN version
- 750 Device for changing quickly the forks of the two trolleys
- 751 Extra run for the trolley
- 752 Clamps for steel wire ropes
- 753 Clamps for nylon ropes