



CMC Controls Ltd

**THE WEB TENSION
SPECIALISTS**



CLT Transducer
For wire and webs
up to 450mm wide
Roller supplied by the user

NARROW WEB TENSION TRANSDUCERS



CS and CFL Cantilever
Transducers with built in
roller for webs up to 200mm.

CLT TRANSDUCERS FOR WEBS UP TO 450mm WIDE AND WIRES, CABLES, FILAMENTS, TAPES etc

The CLT range of tension transducers is suitable for all processes handling wires, cables, filaments, tapes and narrow webs up to 450mm wide.

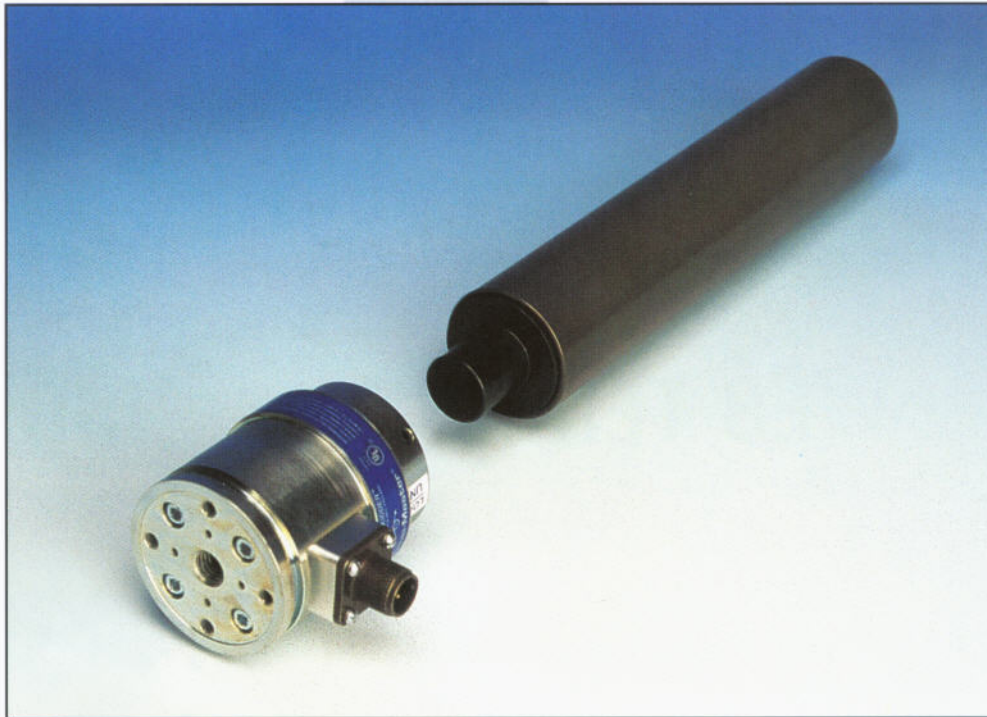
The CLT accommodates almost any user supplied sensing roller or guide pulley for a flexible low cost solution to tension measurement.

The CLT transducers are available in four popular body styles allowing quick, easy

mounting to new and existing machines. Eight force ratings provide an effective tension range of 5 to 5000 Newtons.

The shear force design means that they are insensitive to web width and web position on the sensing roller.

Incorporated in the design are mechanical overload stops giving protection against damage caused by tension transients.



DESIGN FEATURES

SHEAR FORCE DESIGN



INTERNAL OVERLOAD STOPS



EIGHT FORCE RATINGS



CARTRIDGE CONSTRUCTION



HIGH LEVEL SIGNAL



BENEFITS GAINED

unaffected by tension profile

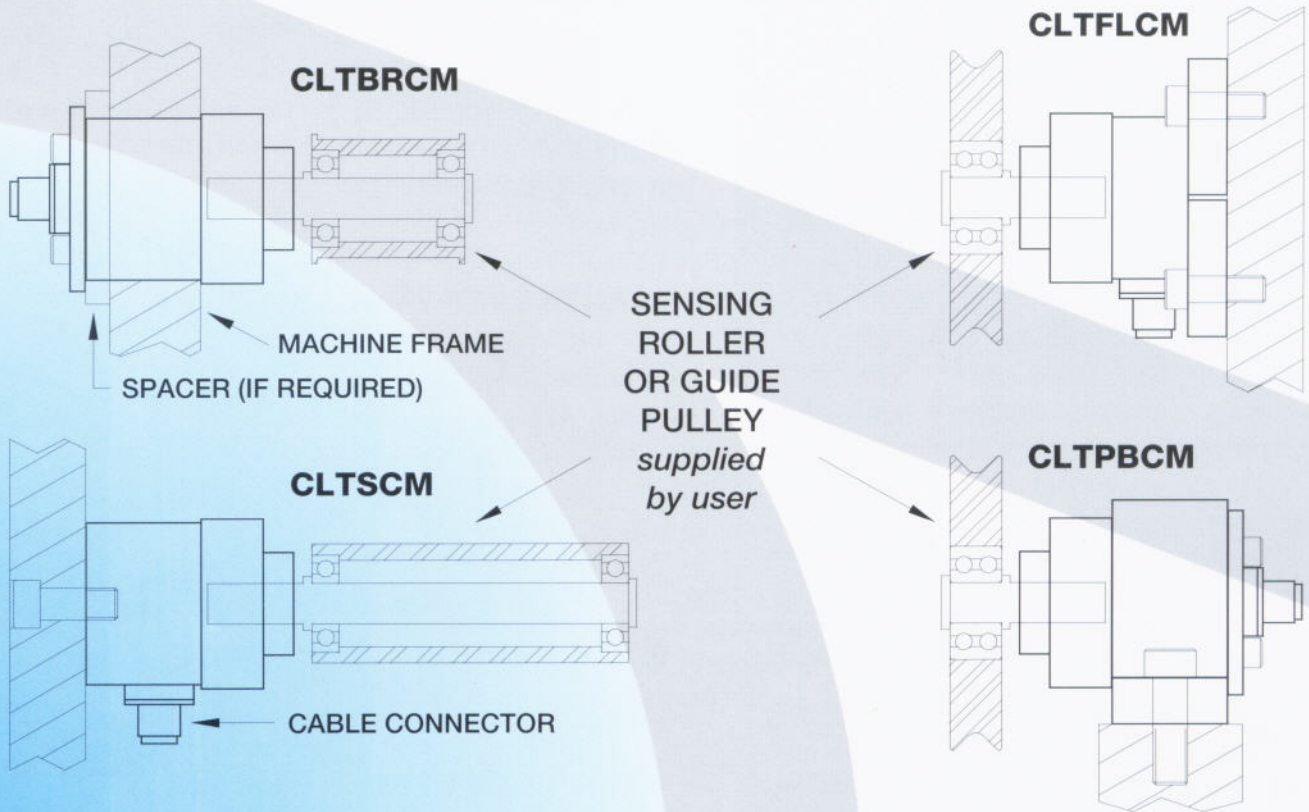
withstands tension transients

tension range from 5 to 5000N

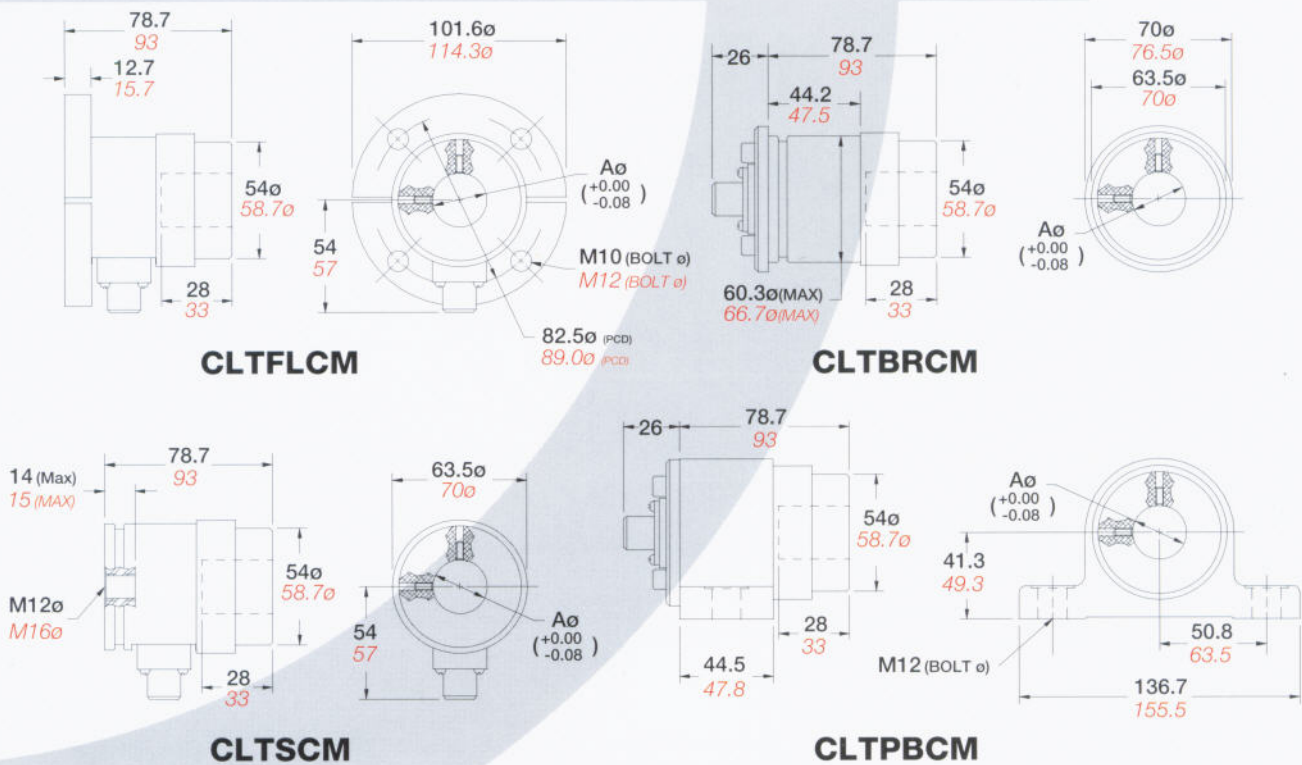
quick and easy installation

long connecting cables

SUGGESTED MOUNTINGS OF CLT TRANSDUCERS



DIMENSIONS OF CLT TRANSDUCERS



Size 1T dimensions in black. Size 1T force ratings 20, 45, 100, 200, 450 Newtons
 Adaptors with bore 'A' available for shaft diameters 17, 20, 25, 30
 Size 2T dimensions in red. Size 2T force ratings 450, 1000, 2000 Newtons
 Adaptors with bore 'A' available for shaft diameters 20, 25, 30, 35

CANTILEVER TRANSDUCERS FOR WEBS UP TO 200mm WIDE



The most important feature of this range of transducers is a built-in path roller. This provides the simplest and quickest installations.

There are two roller face widths of 90mm and 200mm. Available in five force ratings providing an effective tension range of 5 to 500 Newtons.

CANTILEVER FORCE RATINGS - NEWTONS

CS-1T and CFL-1T	100	200	450	650
CS-2T, CSM-2T and CFL-2T	45	100	200	

DESIGN FEATURES

BUILT IN ROLLER



INTERNAL OVERLOAD STOPS



HIGH LEVEL SIGNAL

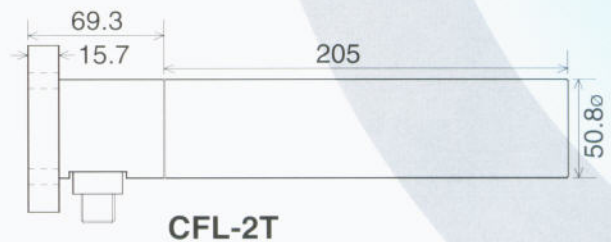
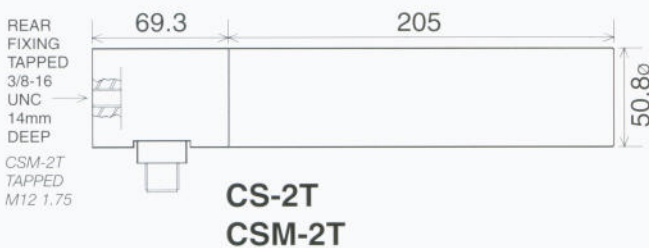
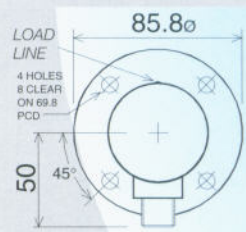
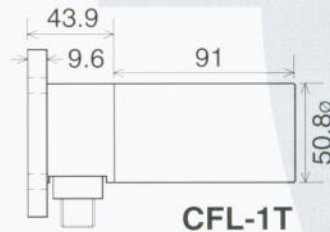
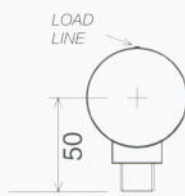
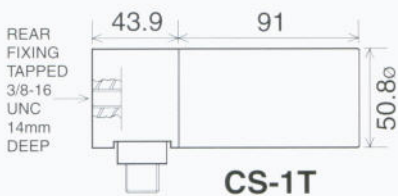


BENEFITS GAINED

simple to fit, no extra items

withstands tension transients

long connecting cables



A range of tension Indicators and Controllers is available from CMC Controls Ltd the specialists in web tension

REPRESENTED BY

Associate Company

CMC Controls Ltd

www.cmcontrols.co.uk

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