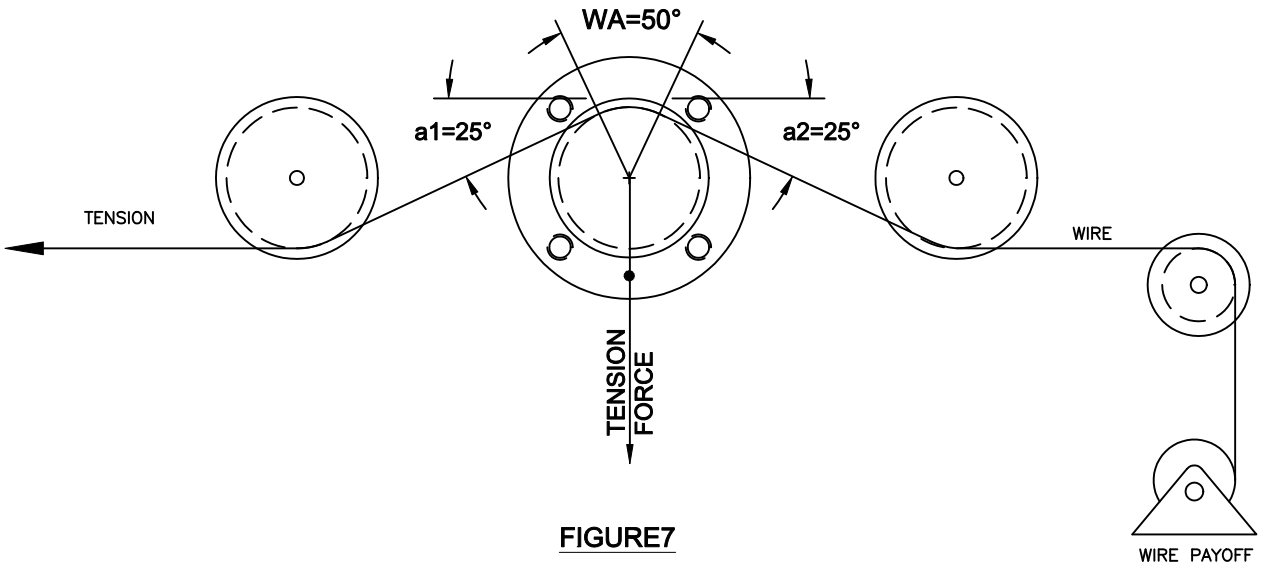
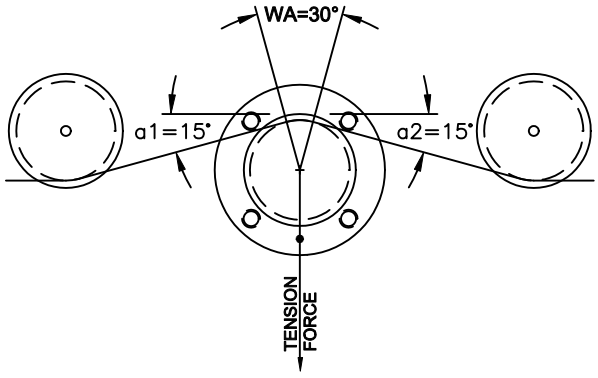


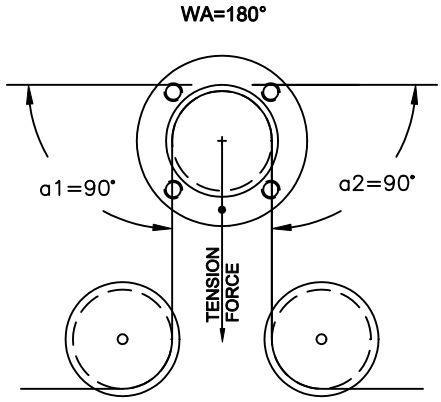
FIGURE7

MATERIAL WRAP ANGLE
ON SENSOR ROLLER

Wrap angle is the distance in degrees that the tensioned material contacts the sensor roller. TMI will typically shown this as the sum of the deflection angles a1 and a2. When angles a1 and a2 are know then the force on the sensor can be calculated to determine the tension sensors capacity.



MINIMUM WRAP ANGLE
30°



MAXIMUM WRAP ANGLE
180°

FIGURE 8

MATERIAL WRAP ANGLE
MINIMUM AND MAXIMUM

TMI tension sensors can be designed to work with wrap angles between 30° and 180°. Most 3 roller face plate models have wrap angles of 40° to 60°.

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TENSION SENSOR WRAP ANGLE

FIGURE NO: TD005	DATE 8-31-2010