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**REMOTE NDT BELT SCANNERS**  
**Mechanical Setup of Scanners**

Mine :

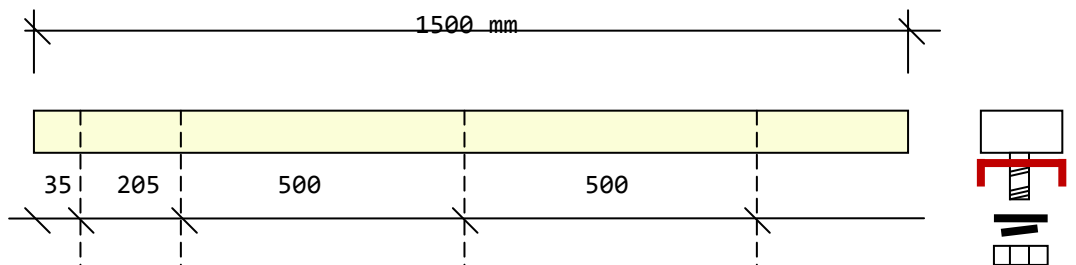
Contact :

Scanner Unit : EXAMPLE : 1500 x 88 x 44 mm, split sensor, impedance 45 Ω, suits 900-1400 mm wide belts.

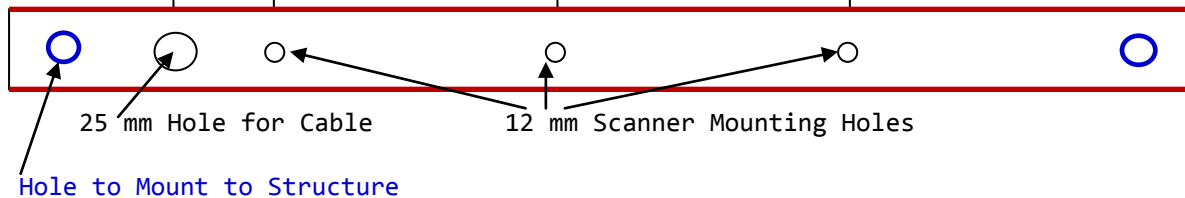
**PRECAUTIONS :**

1. Do not allow any impact force on bolts protruding from scanner base as this can damage sensors. Bolts are used for fixing to support (fabricated by mine), shown in below diagram.
2. Do not pull hard on the electrical cable exiting the underside of scanner.

Dimensions : Fabricate a 50 x 100 steel U-channel (cold rolled is preferred) with holes as indicated to fit scanner (see example pictures on the next page).



Make a Mount Beam :  
 Plan View



NOTE : For 1.8 m wide belts (6 ft.), 2 scanner bars are supplied and special connection diagrams would be supplied at the time of shipment.

Pre-2011 Mountings :

Circular standoffs shown in the pictures below are no longer used. New 2011 model scanners have composite Rectangular Sections with captive mounting bolts.

Placement of Scanner :

20 mm parallel to a flat belt pulley-side cover.  
Under a flat, non-vibrating belt near 2 close idlers about 1 m apart



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**NOTES :** Mine to Fabricate Vertically Adjustable Mount Sensor to be 20 mm from FLAT underside of belt.

Allow for side travel so vertical supports cannot be rubbed by belt.

SEE PRECAUTION note on Page 1



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Scanners After 2011 : What's Changed ?

1. Scanner is directly bolted to a steel channel support, no standoffs used.
2. Electrical connection is taken out beneath the steel channel for more protection.



**DOES and DON'TS** Protect the scanner from impact and do not drop scanner. Do not overly tighten hex nuts, use spring washers supplied, or star washers. Be gentle when threading electrical cable into steel channel hole so as to not cause rubbing or wire baring. **DO NOT ALLOW** high-pressure water hosing of scanner. Mount scanner in front of a new concentric idler but not behind it, so that carry-back and water does not build up on scanner casing.