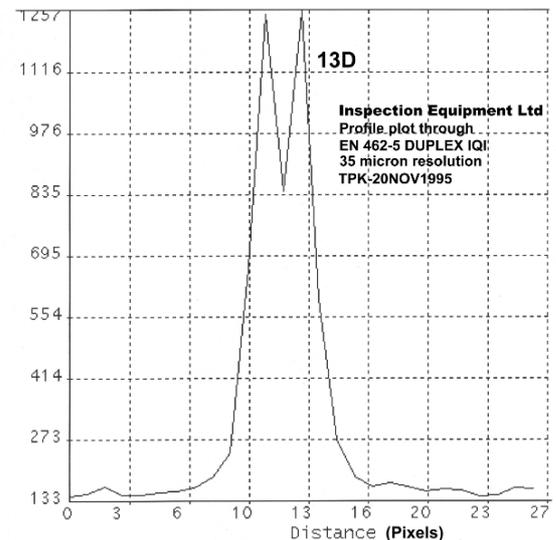
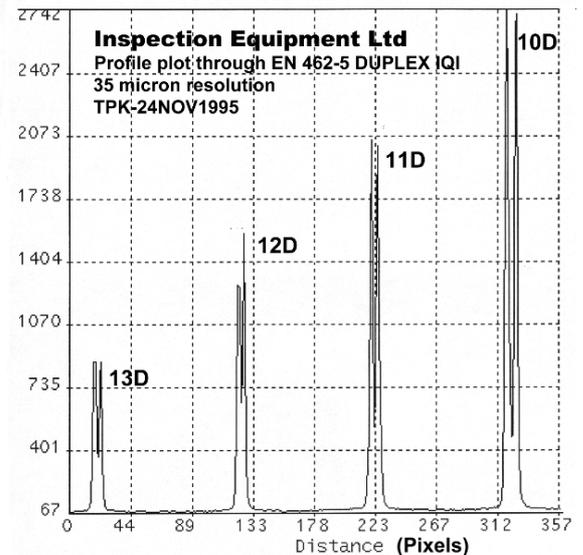


**10.24.081 EN 462-5 Duplex IQI**

For measuring image unsharpness, it is a particularly useful tool for establishing and monitoring the performance of radioscopic (real-time) systems. The proposed CEN standard, prEN 13068 will make its use mandatory in certain cases. The IQI consists of 13 wire pairs embedded in rigid plastic. The wires of platinum and tungsten and are exactly spaced to correspond to the diameter of each pair. The degree of unsharpness is indicated by the number of wire pairs that can be seen. As unsharpness increases, the wires merge to form a single image. Each IQI is engraved with a unique serial number and is supplied with a Declaration of Conformity together with instructions in a storage box.

The EN 462-5 model is an exact replacement for the old BS 3971 model IIIA, itself identical to CERL B. This is the only model of duplex IQI in the EN 462 series.

The lead identification reads END (this identification has been submitted to the Technical Committee CEN/TC 138 for approval).



Element No. (D=Duplex)	Corresponding unsharpness	Wire Ø and spacing, mm
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13D	0,10	0,050
12D	0,13	0,063
11D	0,16	0,080
10D	0,20	0,100
9D	0,26	0,130
8D	0,32	0,160
7D	0,40	0,200
6D	0,50	0,250
5D	0,64	0,320
4D	0,80	0,400
3D	1,00	0,500
2D	1,26	0,630
1D	1,60	0,800

IE-NDT Ltd. also manufactures Image Quality Indicators to many other standards:

Wire Type IQIs to EN 462-1

Step/Hole IQIs to EN 462-2

Wire Type IQIs to ASTM E 747

Plaque Type IQIs (Penetrameters) to ASTM E 1025 and ASTM E 1742 (formerly MIL-STD-453)

Some of these are available in "exotic" materials as standard. IQIs, stepwedges etc. for special purposes can also be made.

