



ASTM E-747 Wire IQI's

Wire Type IQI's

ASTM E-747 Wire IQIs are accepted by ASME V and AWS as an alternative to plaque type IQI's. These IQI's are encapsulated in clear vinyl for durability. Available in 4 sizes (Sets A, B, C and D) in Aluminum, Copper and Stainless Steel. Inconel and Titanium are only offered in Set A and B.

ASTM E-747 wire type IQI's are manufactured with 6 wires in each size, as shown in the table below.



Wire IQI Sizes and Wire Identity Numbers

Set A		Set B	
Wire Diameter	Wire Identity	Wire Diameter	Wire Identity
0.0032" (0.08 mm)	1	0.010" (0.25 mm)	6
0.004" (0.1 mm)	2	0.013" (0.33 mm)	7
0.005" (0.13 mm)	3	0.016" (0.4 mm)	8
0.0063" (0.16 mm)	4	0.020" (0.51 mm)	9
0.008" (0.2 mm)	5	0.025" (0.64 mm)	10
0.010" (0.25 mm)	6	0.032" (0.81 mm)	11
Set C		Set D	
Wire Diameter	Wire Identity	Wire Diameter	Wire Identity
0.032" (0.81 mm)	11	0.10" (2.5 mm)	16
0.040" (1.02 mm)	12	0.126" (3.2 mm)	17
0.050" (1.27 mm)	13	0.160" (4.06 mm)	18
0.063" (1.6 mm)	14	0.20" (5.1 mm)	19
0.080" (2.03 mm)	15	0.25" (6.4 mm)	20
0.100" (2.5 mm)	16	0.32" (8 mm)	21

Each size IQI covers a range of thicknesses for which it is used, based on a standard 2T level of Inspection.

IQI Size	Thickness Range
Set A	.25 Thru .75 Inches
Set B	.75 Thru 1.7 Inches
Set C	1.7 Thru 4.0 Inches
Set D	4.0 Thru 10.0 Inches



Available Materials

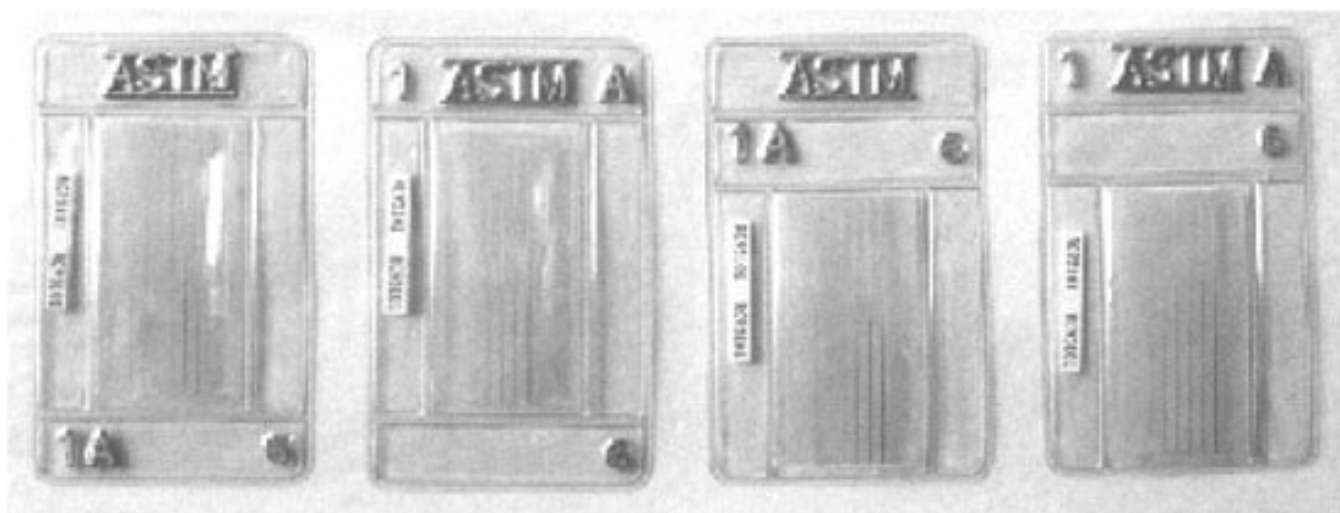
Available in all four sets (Sets A, B, C and D)

Aluminum • Copper • Stainless Steel

Only offered in Set A and B:

Inconel • Titanium

ASTM E-747 IQIs are Available in Four Styles



Style 1

Style 2

Style 3

Style 4

Style 1 and Style 2 carry the same designation as "Alternate 1" and "Alternate 2" respectively as shown in the ASTM Book of Standards

Ordering Instructions

Please specify the set, material and style that you want when ordering.

Optional: If you require serialization or calibration, please specify when ordering. ASTM E747 Wire IQIs some standard with a certificate of conformance. If you require a certificate of calibration, there is an additional cost

Note: Material Certification is not available for Wire IQIs.

Note: Serialized radiographic products are not returnable.