



Image Quality Indicators				Wire	
W1	W6	W10	W13	Number	Nominal Diameter mm
x				W 1	3.20
x				W 2	2.50
x				W 3	2.00
x				W 4	1.60
x				W 5	1.25
x	x			W 6	1.00
x	x			W 7	0.80
x	x			W 8	0.63
x	x			W 9	0.50
x	x	x		W 10	0.40
x	x	x		W 11	0.32
x	x	x		W 12	0.25
x	x	x	x	W 13	0.20
x	x	x	x	W 14	0.16
x	x	x	x	W 15	0.125
x	x	x	x	W 16	0.100
x	x	x	x	W 17	0.080
x	x	x	x	W 18	0.063
x	x	x	x	W 19	0.050

Image Quality Indicators				Hole / Step	
H1	H5	H9	H13	Number	Nominal Diameter Step Thickness mm
x				H 1	0.125
x				H 2	0.160
x				H 3	0.200
x				H 4	0.250
x	x			H 5	0.320
x	x			H 6	0.400
x	x			H 7	0.500
x	x			H 8	0.630
x	x	x		H 9	0.800
x	x	x		H 10	1.000
x	x	x		H 11	1.250
x	x	x		H 12	1.600
x	x	x	(1)	H 13	2.000
x	x	x	(1)	H 14	2.500
x	x	x	(1)	H 15	3.200
x	x	x	(1)	H 16	4.000
x	x	x	(1)	H 17	5.000
x	x	x	(1)	H 18	6.300

Duplex Wire		
Element Number D = duplex	Related Unsharpness mm	Wire Diameter and Distance, d mm
13 D	0.10	0.05
12 D	0.13	0.063
11 D	0.16	0.08
10 D	0.20	0.10
9 D	0.26	0.13
8 D	0.32	0.16
7 D	0.40	0.20
6 D	0.50	0.25
5 D	0.64	0.32
4 D	0.80	0.40
3 D	1.00	0.50
2 D	1.26	0.63
1 D	1.60	0.80

(1) for special application only to use after arrangement

### Single Wall Radiographic Technique IQI Source Side

Class A			
Wire IQI		Step / Hole IQI	
Wall Thickness t over ..... to ..... mm	IQI Number	Wall Thickness t over ..... to ..... mm	IQI Number
to 1.2	W 18	to 2.0	H 3
1.2 to 2.0	W 17	2.0 to 3.5	H 4
2.0 to 3.5	W 16	3.5 to 6	H 5
3.5 to 5	W 15	6 to 10	H 6
5 to 7	W 14	10 to 15	H 7
7 to 10	W 13	15 to 24	H 8
10 to 15	W 12	24 to 30	H 9
15 to 25	W 11	30 to 40	H 10
25 to 32	W 10	40 to 60	H 11
32 to 40	W 9	60 to 100	H 12
40 to 55	W 8	100 to 150	H 13
55 to 85	W 7	150 to 200	H 14
85 to 150	W 6	200 to 250	H 15
150 to 250	W 5	250 to 320	H 16
250	W 4	320 to 400	H 17
		400	H 18

### Double Wall Radiographic Technique Double Image; IQI Source Side

Class A			
Wire IQI		Step / Hole IQI	
Wall Thickness t over ..... to ..... mm	IQI Number	Wall Thickness t over ..... to ..... mm	IQI Number
to 1.2	W 18	to 1.0	H 3
1.2 to 2.0	W 17	1.0 to 2.0	H 4
2.0 to 3.5	W 16	2.0 to 3.5	H 5
3.5 to 5	W 15	3.5 to 5.5	H 6
5 to 7	W 14	5.5 to 10	H 7
7 to 12	W 13	10 to 19	H 8
12 to 18	W 12	19 to 35	H 9
18 to 30	W 11		
30 to 40	W 10		
40 to 50	W 9		
50 to 60	W 8		
60 to 85	W 7		
85 to 120	W 6		
120 to 220	W 5		
220 to 380	W 4		
380	W 3		

### Double Wall Radiographic Technique Single or Double Image; IQI Film Side

Class A			
Wire IQI		Step / Hole IQI	
Wall Thickness t over ..... to ..... mm	IQI Number	Wall Thickness t over ..... to ..... mm	IQI Number
to 1.2	W 18	to 2.0	H 3
1.2 to 2.0	W 17	2.0 to 5	H 4
2.0 to 3.5	W 16	5 to 9	H 5
3.5 to 5	W 15	9 to 14	H 6
5 to 10	W 14	14 to 22	H 7
10 to 15	W 13	22 to 36	H 8
15 to 22	W 12	36 to 50	H 9
22 to 38	W 11	50 to 80	H 10
38 to 48	W 10		
48 to 60	W 9		
60 to 85	W 8		
85 to 125	W 7		
125 to 225	W 6		
225 to 375	W 5		
375	W 4		

Class B			
Wire IQI		Step / Hole IQI	
Wall Thickness t over ..... to ..... mm	IQI Number	Wall Thickness t over ..... to ..... mm	IQI Number
to 1.5	W 19	to 2.5	H 2
1.5 to 2.5	W 18	2.5 to 4	H 3
2.5 to 4	W 17	4 to 8	H 4
4 to 6	W 16	8 to 12	H 5
6 to 8	W 15	12 to 20	H 6
8 to 12	W 14	20 to 30	H 7
12 to 20	W 13	30 to 40	H 8
20 to 30	W 12	40 to 60	H 9
30 to 35	W 11	60 to 80	H 10
35 to 45	W 10	80 to 100	H 11
45 to 65	W 9	100 to 150	H 12
65 to 120	W 8	150 to 200	H 13
120 to 200	W 7	200 to 250	H 14
200 to 350	W 6		
350	W 5		

Class B			
Wire IQI		Step / Hole IQI	
Wall Thickness t over ..... to ..... mm	IQI Number	Wall Thickness t over ..... to ..... mm	IQI Number
to 1.5	W 19	to 1.0	H 2
1.5 to 2.5	W 18	1.0 to 2.5	H 3
2.5 to 4	W 17	2.5 to 4	H 4
4 to 6	W 16	4 to 6	H 5
6 to 8	W 15	6 to 11	H 6
8 to 15	W 14	11 to 20	H 7
15 to 25	W 13	20 to 35	H 8
25 to 38	W 12		
38 to 45	W 11		
45 to 55	W 10		
55 to 70	W 9		
70 to 100	W 8		
100 to 170	W 7		
170 to 250	W 6		
250	W 5		

Class B			
Wire IQI		Step / Hole IQI	
Wall Thickness t over ..... to ..... mm	IQI Number	Wall Thickness t over ..... to ..... mm	IQI Number
to 1.5	W 19	to 2.5	H 2
1.5 to 2.5	W 18	2.5 to 5.5	H 3
2.5 to 4	W 17	5.5 to 9.5	H 4
4 to 6	W 16	9.5 to 15	H 5
6 to 12	W 15	15 to 24	H 6
12 to 18	W 14	24 to 40	H 7
18 to 30	W 13	40 to 60	H 8
30 to 45	W 12	60 to 80	H 9
45 to 55	W 11		
55 to 70	W 10		
70 to 100	W 9		
100 to 180	W 8		
180 to 300	W 7		
300	W 6		