

Table 2.3-1. Probability that a Detected Flaw Belongs to a Bin Size

| | | Flaw Length | | | | | | Total |
|------------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|----------|
| | | 0 to 1 cm | 1 to 2 cm | 2 to 3 cm | 3 to 4 cm | 4 to 5 cm | 5 to 6 cm | |
| Flaw Depth %/100 | 0 to 0.1 | 2.74E-03 | 4.62E-02 | 2.23E-02 | 5.38E-03 | 1.04E-03 | 1.80E-04 | 7.78E-02 |
| | 0.1 to 0.2 | 1.86E-02 | 3.14E-01 | 1.52E-01 | 3.66E-02 | 7.08E-03 | 1.23E-03 | 5.30E-01 |
| | 0.2 to 0.3 | 9.59E-03 | 1.62E-01 | 7.81E-02 | 1.89E-02 | 3.64E-03 | 6.31E-04 | 2.73E-01 |
| | 0.3 to 0.4 | 3.09E-03 | 5.21E-02 | 2.52E-02 | 6.07E-03 | 1.17E-03 | 2.03E-04 | 8.78E-02 |
| | 0.4 to 0.5 | 8.47E-04 | 1.43E-02 | 6.90E-03 | 1.66E-03 | 3.22E-04 | 5.57E-05 | 2.41E-02 |
| | 0.5 to 0.6 | 2.14E-04 | 3.61E-03 | 1.74E-03 | 4.21E-04 | 8.13E-05 | 1.41E-05 | 6.08E-03 |
| | 0.6 to 0.7 | 5.14E-05 | 8.67E-04 | 4.19E-04 | 1.01E-04 | 1.95E-05 | 3.38E-06 | 1.46E-03 |
| | 0.7 to 0.8 | 1.19E-05 | 2.01E-04 | 9.73E-05 | 2.35E-05 | 4.54E-06 | 7.86E-07 | 3.39E-04 |
| | 0.8 to 0.9 | 2.71E-06 | 4.57E-05 | 2.21E-05 | 5.32E-06 | 1.03E-06 | 1.78E-07 | 7.70E-05 |
| | 0.9 to 1.0 | small | | | | | | |
| Total | | 3.51E-02 | 5.93E-01 | 2.87E-01 | 6.92E-02 | 1.34E-02 | 2.32E-03 | 1.00E+00 |

1.00E+00

8.78E-02
2.41E-02
6.08E-03
1.46E-03 5.43E-04
3.39E-04 1.26E-04
7.70E-05 2.86E-05

1.20E-01 6.98E-04