

COMPARISON OF FED STD 209E AND ISO 14644-1

ISO, FED STD 209E AND SI CLASS LIMITS

SUMMARY OF CLASS LIMITS AT 0.5 MICRON

| CLASS NAME: | | CLASS LIMIT @ 0.5/CU.FT: | CLASS LIMIT @ 0.5/CU.M: |
|-------------|---------|-----------------------------|----------------------------|
| ISO: | 209E: | | |
| 3 | 1 | 1 | 35 |
| 4 | 10 | 10 | 353 |
| 5 | 100 | 100 | 3,530 |
| 6 | 1,000 | 1,000 | 35,300 |
| 7 | 10,000 | 10,000 | 353,000 |
| 8 | 100,000 | 100,000 | 3,530,000 |

| CLASS NAME: | | | CLASS LIMITS: CU. METER | | | | | CLASS LIMITS: CU. FOOT | | | | | |
|-------------|--------|-------|-------------------------|---------|---------|------------|-----------|------------------------|-----|-------|-----|---------|-----|
| ISO: | 209E: | SI: | 0.1 | 0.2 | 0.3 | 0.5 | 1 | 5 | 0.1 | 0.2 | 0.3 | 0.5 | 5 |
| 1 | | | 10 | 2 | | | | | | | | | |
| 2 | | | 100 | 24 | 10 | 4 | | | | | | | |
| | | M 1 | 350 | 76 | 31 | 10 | | | 10 | 2 | 1 | 0 | |
| 3 | 1 | M 1.5 | 1,000 | 237 | 102 | 35 | 8 | | 35 | 8 | 3 | 1 | |
| | | M 2 | 3,500 | 757 | 309 | 100 | | | 99 | 21 | 9 | 3 | |
| 4 | 10 | M 2.5 | 10,000 | 2,370 | 1,020 | 352 | 83 | | 350 | 75 | 30 | 10 | |
| | | M 3 | 35,000 | 7,570 | 3,090 | 1,000 | | | 991 | 214 | 88 | 28 | |
| 5 | 100 | M 3.5 | 100,000 | 23,700 | 10,200 | 3,520 | 832 | 29 | | 750 | 300 | 100 | |
| | | M 4 | | 75,000 | 30,900 | 10,000 | | | | 2,140 | 875 | 283 | |
| 6 | 1000 | M 4.5 | 1,000,000 | 237,000 | 102,000 | 35,200 | 8,320 | 293 | | | | 1,000 | 7 |
| 7 | 10000 | M 5.5 | | | | 352,000 | 83,200 | 2,930 | | | | 10,000 | 70 |
| 8 | 100000 | M 6.5 | | | | 3,520,000 | 832,000 | 29,300 | | | | 100,000 | 700 |
| 9 | | | | | | 35,200,000 | 8,320,000 | 293,000 | | | | | |

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