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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

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Федеральное агентство  
по техническому регулированию  
и метрологии

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и метрологии

Федеральное агентство  
по техническому регулированию  
и метрологии

Hot-rolled steel sheets. Dimensions

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|  | 0.40; 0.45; 0.50; 0.55; 0.60; 0.63; 0.65; 0.70; 0.75; 0.80; 0.90:1.00; 1.20; 1.30:1.40; 1.5; 1.6; 1.8; 2.0; <b>22</b> : 2.5; 2.8; 3.0; 3.2; 3.5; 3.8; 3.9; 4.0; 4.5; 5.0; 5.5; 6.0; 6.5; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12.0; 12.5:13.0:13.5; 14.0; 14.5:15.0; 15.5; 16.0; 16.5; 17.0; 17.5; 18.0; 18.5; 19.0; 19.5; 20.0; 20.5; 21.0; 21.5; 22.0; 22.5; 23.0; 23.5; 24.0; 24.5; 25.0; 25.5; 26.0; 27.0; 28.0; 29.0; 30.0; 31.0; 32.0; 34.0; 36.0; 38.0; 40.0; 42.0; 45.0; 48.0; 50.0; 52.0; 55.0; 58.0; 60.0; 62.0; 65.0; 68.0; 70.0; 72.0; 75.0; 78.0; 80.0; 82.0; 85.0; 87.0; 90.0; 92.0; 95.0; 100.0; 105.0:110.0; 115.0; 120.0; 125.0; 130.0:135.0; 140.0; 145.0:150.0; 155.0; 160.0 |
|  | 500; 510; 600; 650; 670; 700; 710; 750; 800; 850; 900; 950. 1000; 1100; 1250; 1400; 1420; 1500; 1600; 1700; 1800:1900; 2000; 2100:2200; 2300; 2400:2500; 2600; 2700; 2800; 2900; 3000; 3200; 3400; 3600; 3800; 4000:4200; 4400   |
|  | 710; 1200; 1400; 1420; 1500; 1600; 1700; 1800; 1900; 2000; 2200; 2500; 2800; 3000; 3200; 3400:3500; 3600:4000; 4500; 5000; 5500:6000; 6500; 7000; 7500; 8000; 8200:8500. 9000; 10000; 11000; 12000   |

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| npoiara   |  |
|---|--|
| 500; 530; 600; 630; 1000:1100; 1250                               | 1.2; 1.3; 1.4; 1.5; 1.6; 1.8; 2.0; 2.2; 2.5; 2.8; 3.0; 3.2; 3.5; 3.8; 3.9; 4.0; 4.5; 5.0; 5.3; 5.5; 6.0; 6.3; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12.0; 12.7; 13.0; 13.5; 14.0; 14.5; 15.0; 15.5; 16.0; 16.5; 17.0; 17.5; 18.0; 18.5; 19.0; 19.5; 20.0; 20.5; 21.0; 21.5; 22.0; 22.5; 23.0; 23.5; 24.0; 24.5; 25.0 |
| 550   | 1.2; 1.3; 1.4; 1.5; 1.6; 1.8; 2.0; 2.2; 2.5; 2.8; 3.0; <b>32</b> : 3.5; 3.8; 3.9; 4.0; 4.5; 5.0; 5.3; 5.5; 6.0; 6.3; 7.0:7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.5; 12.0; 12.7   |
| 650; 670; 700; (710); 750; 800; 850; 900; 950; 1400; (1420); 1500 | 1.5; 1.6; 1.8; 2.0; 2.2; 2.5; 2.8; 3.0; 3.2; 3.5; 3.8; 3.9; 4.0; 4.5; 5.0; 5.3; 5.5; 6.0; 6.3; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12.0; 12.7; 13.0; 13.5; 14.0; 14.5; 15.0; 15.5; 16.0; 16.5; 17.0; 17.5; 18.0; 18.5; 19.0; 19.5; 20.0; 20.5; 21.0; 21.5; 22.0; 22.5; 23.0; 23.5; 24.0; 24.5; 25.0                |
| 1600; 1700; 1800  | 3.0; 3.2; 3.5; 3.8; 3.9; 4.0; 4.5; 5.0; 5.3; 5.5; 6.0; 6.3; 7.0; 7.5; 8.0; 8.5; 9.0; 9.5; 10.0; 10.5; 11.0; 11.5; 12.0; 12.7; 13.0; 13.5; 14.0; 14.5; 15.0; 15.5; 16.0; 16.5; 17.0; 17.5; 18.0; 18.5; 19.0; 19.5; 20.0; 20.5; 21.0; 21.5; 22.0; 22.5; 23.0; 23.5; 24.0; 24.5; 25.0   |
| 1900:2000   | 6.0; 6.3; 7.0; 7.5; 8.0; 8.5:9.0; 9.5:10.0   |
| 2100;2200   | 7.0; 7.5:8.0; 8.5; 9.0; 9.5; 10.0  |

| {       |         |       | 500            |                | .750           |                | .1000          |                | .1500          |                | .2000          |                | 2300           |               | .2700         |                |
|---------|---------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|
|         |         | 750 « |                | 1000           |                | 1500           |                | 2000           |                | 2300           |                | 2700           |                | 3000          |               |                |
| 0.40    | 0.50    |       | 10,05          | ±0.07          | —              | —              | —              | —              | —              | —              | —              | —              | —              | —             | —             | —              |
| 0.50    | 0.60    | »     | ±0.06          | ±0.08          | —              | —              | —              | —              | —              | —              | —              | —              | —              | —             | —             | —              |
| » 0.60  | » 0.75  | »     | ±0.07          | ±0.09          | ±0.07          | ±0.09          | —              | —              | —              | —              | —              | —              | —              | —             | —             | —              |
| » 0.75  | 0.90    |       | ±0.08          | ±0.10          | ±0.08          | ±0.10          | ±0.12          | ±0.15          | —              | —              | —              | —              | —              | —             | —             | —              |
| 0.90    | » 1.10  |       | ±0.09          | ±0.11          | ±0.09          | ±0.12          | ±0.12          | ±0.15          | —              | —              | —              | —              | —              | —             | —             | —              |
| » 1.10  | » 1.20  | »     | ±0.10          | ±0.12          | ±0.11          | ±0.13          | ±0.12          | ±0.15          | —              | —              | —              | —              | —              | —             | —             | —              |
| 1,20    | » 1.30  |       | ±0.11          | ±0.13          | ±0.12          | ±0.14          | ±0.12          | ±0.15          | —              | —              | —              | —              | —              | —             | —             | —              |
| » 1.30  | » 1.40  | »     | ±0.11          | ±0.14          | ±0.12          | ±0.15          | ±0.12          | ±0.16          | —              | —              | —              | —              | —              | —             | —             | —              |
| » 1.40  | » 1.60  | »     | ±0.12          | ±0.15          | ±0.13          | ±0.15          | ±0.13          | ±0,16          | —              | —              | —              | —              | —              | —             | —             | —              |
| * 1.60  | 1.00    |       | ±0.13          | ±0.15          | ±0.14          | ±0.17          | ±0,14          | ±0.18          | —              | —              | —              | —              | —              | —             | —             | —              |
| » 1.00  | » 2.00  | »     | ±0.14          | ±0.16          | ±0.15          | ±0.17          | ±0.16          | ±0.16          | ±0.17          | ±0.20          | —              | —              | —              | —             | —             | —              |
| » 2.00  | » 2.20  |       | ±0,15          | ±0.17          | ±0.16          | ±0.16          | ±0.17          | ±0.19          | ±0.18          | ±0.20          | —              | —              | —              | —             | —             | —              |
| » 2.20  | 2.50    |       | ±0.16          | ±0.18          | ±0,17          | ±0.19          | ±0.18          | ±0.20          | ±0.19          | ±0.21          | —              | —              | —              | —             | —             | —              |
| » 2.50  | » 3.00  |       | ±0.17          | ±0.19          | ±0.16          | ±0.20          | ±0.19          | ±0.21          | ±0.20          | ±0.22          | ±0.23          | ±0.25          | —              | —             | —             | —              |
| 3.00    | 3.50    | »     | ±0.16          | ±0.20          | ±0.19          | ±0.21          | ±0.20          | ±0.22          | ±0.22          | ±0.24          | ±0.26          | ±0.29          | —              | —             | —             | —              |
| 3.50    | 3.90    |       | ±0.20          | ±0.22          | ±0.21          | ±0.23          | ±0.22          | ±0.24          | ±0.24          | ±0.26          | ±0.26          | ±0.31          | —              | —             | —             | —              |
| » 3.90  | » 5.50  | »     | 0.10<br>-0.40  | 0.20<br>-0.40  | 0.15<br>-0.40  | 0.30<br>-0.40  | 0.10<br>-0.50  | 0.30<br>-0.50  | 0.20<br>-0.50  | 0.40<br>-0.50  | 0.25<br>-0.50  | 0.45<br>-0.50  | —              | —             | —             | —              |
| 5.50    | 7.50    |       | *000<br>-050   | 0.10<br>-0.50  | *0.10<br>-0.50 | 0.20<br>-0.60  | 0.10<br>-0.50  | 0.25<br>-0.60  | 0.20<br>-0.60  | 0.40<br>-0.60  | 0.25<br>-0.60  | *0.45<br>-0.60 | —              | —             | —             | —              |
| » 7.50  | 10.00   |       | 0.00<br>-000   | 0.10<br>-0.60  | 0.10<br>-0.60  | 0.20<br>-0.80  | 0.20<br>-0.60  | 0.30<br>-0.60  | +0.20<br>-0.60 | 0.35<br>-0.60  | 0.25<br>-0.60  | 0.45<br>-0.60  | 0.50<br>-0.60  | 0.60<br>-0.60 | —             | —              |
| » 10.00 | » 12.70 |       | 0.00<br>-000   | 0.20<br>-0.00  | 0.10<br>-0.60  | 0.20<br>-0.60  | 0.20<br>-0.60  | 0.30<br>-0.60  |                | 0.40<br>-0.00  | 0.55<br>-0.60  | 0.50<br>-0.60  | 0.60<br>-0.60  | 0.70<br>-0.60 | 0.90<br>-0.60 | 1.00<br>-0.60  |
| 12.70   | 15.00   |       | 0.15<br>-000   | 0.20<br>-      | *0.15<br>-0.60 | 0.25<br>-0.60  | 0.25<br>-0.60  | 0.35<br>-0.60  | 0.55<br>-0.60  | 0.40<br>-0.80  | 0.40<br>-0.60  | 0.55<br>-0.60  | 0.65<br>-0.60  | ±0.80         | ±0.90         | *1.00<br>-0.90 |
| » 15.00 | » 25.00 |       | +0.20<br>-0.90 | +0.20<br>-0.90 | 0.20<br>-0.60  | +0.25<br>-0.90 | +0.25<br>-0.90 | +0.35<br>-0.90 | +0.55<br>-0.90 | +0.45<br>-0.60 | +0.50<br>-0.90 | +0.60<br>-0.90 | +0.70<br>-0.90 | ±0.90         | ±0.90         | ±1.00          |

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|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|------|--------|------|--------|------|------|--|
|                    | 00     |       | 1200  |       | 1500  |       | 1700  |       | 1800 |        | 2000 |        | 2300 |      |  |
|                    | 1200 « | 00    | 1500  | 1200  | 1700  | 1500  | 1700  | 1800  | 1800 | 2000 « | 2000 | 2300 « | 2300 | 2S00 |  |
| . 12,7 25.0 .      | +0.15  | 00    | +0,15 | 0.2   | 0,25  | +0.3  | 0.35  | 0.4   | 0.5  | +0,6   | 0.7  | ±0.8   | 0.7  | ±08  |  |
| -000               | -0.8   | -0.60 | -08   | -0.80 | -0.8  | -0.80 | -0.8  | -0.8  | -0.8 | -0.8   | -0.8 | -0.8   | -0.8 | ±08  |  |
| » 250 » 30.0 »     | +0.15  | *02   | 0.15  | +0.2  | +0.25 | 0.3   | +0.35 | +0.4  | 0.5  | +0.6   | +0.7 | +08    | 08   | ±09  |  |
| -0.90              | -0.9   | -0.90 | -0.9  | -0.90 | -0.9  | -0.90 | -0.9  | -0.90 | -0.9 | -0.90  | -0.9 | -0.90  | -0.9 | -0.9 |  |
| » 30,0 » 34.0 »    | +0.15  | 02    | 0.25  | 0.3   | 0.25  | 0.3   | 0.35  | 0.4   | 0.5  | 0.5    | 0.7  | 08     | 08   | +0.9 |  |
| -100               | -1.0   | -1.00 | -1.0  | -1.0  | -1.00 | -1.0  | -0.90 | -1.0  | -1.0 | -1.0   | -1.0 | -1.0   | -0.9 | -10  |  |
| » 340 » 40.0 »     | 0.20   | 08    | +0.30 | 0.4   | +0.40 | +0.5  | 0.50  | 0.6   | 0.6  | 0.7    | 0.8  | 0.9    | 0.9  | 1.0  |  |
| -1.10              | -1.1   | -1.10 | -1.1  | -1.10 | -1.1  | -1.10 | -1.1  | -1.10 | -1.1 | -1.10  | -1.1 | -1.1   | -1.1 | -1.1 |  |
| » 400 » 500 »      | 0.30   | 0.4   | 0.40  | 0.5   | 0.50  | 0.6   | 0.60  | 0.7   | 0.7  | 0.8    | 0.9  | 1.0    | 10   | 1.1  |  |
| -120               | -1.2   | -1.20 | -1.20 | -12   | -1.20 | -1.2  | -1.20 | -1.2  | -1.2 | -1.2   | -1.2 | -1.2   | -1.2 | -12  |  |
| » 50,0 » 600 »     | +0.50  | 0.6   | 0.50  | 0.6   | 0.60  | 0.7   | 0.70  | 0.8   | 0.7  | 0.9    | 0.9  | 1.0    | 10   | 1.1  |  |
| -100               | -1.3   | -1.30 | -1.30 | -10   | -1.30 | -1.3  | -1.30 | -1.3  | -1.3 | -1.3   | -1.3 | -1.3   | -1.3 | -18  |  |
| 600 » 700 »        | —      | —     | +0.50 | 0.7   | +0.50 | +0.8  | 0.50  | 0.9   | 0.5  | 1.0    | 1.0  | 1.1    | 10   | 1.2  |  |
| -1.50              | -1.6   | -1.50 | -1.6  | -1.50 | -1.6  | -1.50 | -1.6  | -1.6  | -1.5 | -1.6   | -1.4 | -1.6   | -1.4 | -1.6 |  |
| » 700 * 800 *      | —      | —     | *1.00 | 0.7   | *1.00 | 0.8   | *1.00 | 0.9   | *1.0 | 1.0    | 1.0  | 1.1    | 1.0  | 1.2  |  |
| -22                | -2.2   | -1.80 | -2.5  | -1.80 | -2.5  | -1.80 | -2.5  | -1.80 | -2.5 | -1.8   | -2.5 | -2.2   | -2.5 | -22  |  |
| » 60.0 » 900 »     | —      | —     | 1.00  | 0.8   | 1.00  | 0.9   | 1.00  | 1.0   | 1.0  | 1.1    | 1.0  | 1.2    | 1.0  | 1.3  |  |
| -1.80              | -2.5   | -1.80 | -2.5  | -1.80 | -2.5  | -1.80 | -2.5  | -1.80 | -2.5 | -1.8   | -2.5 | -2.2   | -2.5 | -25  |  |
| » 900 »100.0 »     | —      | —     | 1.00  | 0.9   | 1.00  | 1.0   | 1.00  | 1.1   | 1.0  | 1.2    | 1,0  | 18     | 1,0  | 1.4  |  |
| -1.80              | -2.7   | -1.80 | -2.7  | -1.80 | -2.7  | -1.80 | -2.7  | -1.80 | -2.7 | -1.8   | -2.7 | -2.2   | -2.7 | -22  |  |
| *100,0 »115.0 »    | —      | —     | 1.00  | 1.1   | 1.00  | 1.2   | 1.00  | 1.3   | 1.0  | 1.4    | 1.0  | 16     | 1.0  | 1.6  |  |
| -1.80              | -3.1   | -1.80 | -3.1  | -1.80 | -3.1  | -1.80 | -3.1  | -1.80 | -3.1 | -1.8   | -3.1 | -2.2   | -3.1 | -3.1 |  |
| » 115.0 » 125.0 »  | —      | —     | 1.00  | 1.4   | 1.00  | 1.5   | 1.00  | 1.6   | 1.0  | 1.7    | 1.0  | 18     | 1.0  | 1.9  |  |
| -1.80              | -35    | -1.80 | -35   | -1.80 | -35   | -1.80 | -35   | -1.80 | -35  | -1.8   | -35  | -2.2   | -3.5 | -35  |  |
| » 125,0 if 1400 »  | —      | —     | 1.00  | 1.6   | 1.00  | 1.7   | 1.00  | 1.8   | 1.0  | 1.9    | 1,0  | 2.0    |      | 2.1  |  |
| -2.20              | -38    | -2.20 | -38   | -2.20 | -38   | -2.20 | -38   | -2.20 | -38  | -2.2   | -3.8 | -2.2   | -3.8 | -38  |  |
| » 1400 if 160.0 if | —      | —     | 1.00  | 1.9   | 1.00  | 2.0   | 1.00  | 2.1   | 1.0  | 2.2    | 1,0  | 28     | 1.0  | 2.4  |  |
| -2.20              | -42    | -2.20 | -42   | -2.20 | -42   | -2.20 | -42   | -2.20 | -42  | -2.2   | -4.2 | -2.2   | -4.2 | -42  |  |



| {} *              | 2500        |              | 2600         |              | 2600         |             | 3000         |              | 3200         |              | 3400         |              | 3600         |              | 3600         |              |
|-------------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                   | 2600        |              | 2600         |              | 3000         |             | 3200         |              | 3400         |              | 3600         |              | 3600         |              | 4400         |              |
|                   |             |              |              |              |              |             |              |              |              |              |              |              |              |              |              |              |
| . 12.7 25.0 .     | 0.9<br>-08  | 1.0<br>-0.8  | 0.9<br>-0.8  | 1.1<br>-0.8  | 0.9<br>-0.8  | 12<br>-0.8  | 0.9<br>-0.8  | 13<br>-0.8   | 0.9<br>-0.8  | *1.4<br>-0.8 | —            | —            | —            | —            | —            | 1.4<br>-0.8  |
| » 25.0 » 300 »    | ±0,9        | +1.0<br>-0.9 | 1.0<br>-0.9  | +1.1<br>-0.9 | +1.1<br>-0.9 | 12<br>-0.9  | 1.1<br>-0.9  | +13<br>-0.9  | 1.1<br>-0.9  | 14<br>-0.9   | +1.1<br>-0.9 | 1.5<br>-0.9  | +1.1<br>-0.9 | 1.6<br>-0.9  | +1.1<br>-0.9 | 1.6<br>-3.9  |
| » 300 » 34.0 »    | 0.9<br>-    | ±1.0         | ±1.0         | 1.2<br>-1.0  | ±1.0         | 13<br>-1.0  | ±1.0         | 1.4<br>-1.0  | ±1.0         | 15<br>-1.0   | ±1.0         | 1.6<br>-1.0  | ±1.0         | 1.7<br>-1.0  | ±1.0         | 1.7<br>-1.0  |
| » 34.0 » 400 »    | ±10         | ±1.1         | ±10          | +1.3<br>-1.1 | ±1.0         | 1.4<br>-1.1 | ±1.0         | 15<br>-1.1   | ±1.0         | 1.6<br>-1.1  | ±1.0         | 1.7<br>-1.1  | ±1.0         | +1.8<br>-1.1 | ±1.0         | 1.8<br>-1.1  |
| » 40.0 » 50.0 »   | 1.1<br>-12  | ±1.2         | ±12          | 1.4<br>-1.2  | ±1.2         | 15<br>-1.2  | ±1.2         | 15<br>-1.2   | ±1.2         | 1.7<br>-12   | ±1.2         | 1.8<br>-12   | ±1.2         | 1.9<br>-1.2  | ±1.2         | 1.9<br>-1.2  |
| 500 » 600 »       | 1.1<br>-13  | +1.2<br>-1.3 | ±12          | +1.4<br>-1.3 | ±1.2         | 15<br>-1.3  | ±1.2         | 1.6<br>-1.3  | ±1.2         | 1.7<br>-13   | ±1.2         | 1.8<br>-13   | ±1.2         | +1.9<br>-1.3 | ±1.2         | 1.9<br>-1.3  |
| » 60.0 » 70.0 »   | +1.0<br>-1  | +1.3<br>-1.6 | 1.0<br>-1.4  | +1.4<br>-1.6 | +1.0<br>-1.4 | +15<br>-1.6 | +1.0<br>-1.4 | ±1.6         | 1.0<br>-1.4  | 1.7<br>-1.6  | +1.0<br>-1.4 | +1.8<br>-1.6 | +1.0<br>-1.4 | +1.9<br>-1.6 | +1.0<br>-1.4 | +1.9<br>-1.6 |
| » 70.0 » 80.0 »   | 1.0<br>-1.4 | 1.3<br>-2.2  | 1.0<br>-1.4  | *1.4<br>-2.2 | 1.0<br>-1.4  | 15<br>-2.2  | 1.0<br>-1.4  | 1.6<br>-2.2  | 1.0<br>-1.4  | 1.7<br>-22   | 1.0<br>-1.4  | 1.8<br>-22   | 1.0<br>-1.4  | 1.9<br>-2.2  | 1.0<br>-1.4  | 1.9<br>-2.2  |
| » 800 » 900 »     | +1.0<br>-22 | +1.4<br>-2.5 | 1.0<br>-2.2  | +1.5<br>-2.5 | 1.0<br>-2.2  | +15<br>-2.5 | +1.0<br>-2.2 | +1.7<br>-2.5 | 1.0<br>-2.2  | +18<br>-25   | +1.0<br>-2.2 | 1.9<br>-25   | +1.0<br>-2.2 | 2.0<br>-2.5  | 1.0<br>-2.2  | +2.0<br>-2.5 |
| » 900 » 100.0 »   | 1.0<br>-22  | 1.5<br>-2.7  | 1.0<br>-2.2  | 1.6<br>-2.7  | 1.0<br>-2.2  | 1.7<br>-2.7 | 1.0<br>-2.2  | 18<br>-2.7   | 1.0<br>-2.2  | 1.9<br>-2.7  | 1.0<br>-2.2  | 2.0<br>-2.7  | 1.0<br>-2.2  | 2.1<br>-2.7  | 1.0<br>-2.2  | 2.1<br>-2.7  |
| *100.0 » 115.0 »  | 1.0<br>-22  | 1.7<br>-3.1  | +1.0<br>-2.2 | +1.8<br>-3.1 | 1.0<br>-2.2  | 1.9<br>-3.1 | 1.0<br>-2.2  | 2.0<br>-3.1  | +1.0<br>-2.2 | 2.1<br>-3.1  | +1.0<br>-2.2 | +2.2<br>-3.1 | 1.0<br>-2.2  | 2.3<br>-3.1  | +1.0<br>-2.2 | 2.3<br>-3.1  |
| » 115.0 » 125.0 » | 1.0<br>-22  | 2.0<br>-3.5  | 1.0<br>-2.2  | 2.1<br>-3.5  | 1.0<br>-2.2  | 22<br>-3.5  | 1.0<br>-2.2  | 23<br>-3.5   | 1.0<br>-2.2  | 2.4<br>-35   | 1.0<br>-2.2  | 2.5<br>-35   | 1.0<br>-2.2  | 2.6<br>-3.5  | 1.0<br>-2.2  | 2.6<br>-3.5  |
| 1250 » 1400       | +1.0<br>-22 | 2.2<br>-3.8  | 1.0<br>-2.2  | 2.3<br>-3.8  | 1.0<br>-2.2  | 24<br>-3.8  | 1.0<br>-2.2  | 25<br>-3.8   | 1.0<br>-2.2  | 2.6<br>-38   | +1.0<br>-2.2 | 2.8<br>-38   | +1.0<br>-2.2 | 2.9<br>-3.8  | +1.0<br>-2.2 | 2.9<br>-3.8  |
| » 1400 *160.0 »   | +1.0<br>-22 | +2.5<br>-4.2 | +1.0<br>-2.2 | +2.6<br>-4.2 | +1.0<br>-2.2 | 2.7<br>-4.2 | +1.0<br>-2.2 | 28<br>-4.2   | +1.0<br>-2.2 | 2.9<br>-42   | +1.0<br>-2.2 | +3.0<br>-42  | +1.0<br>-2.2 | +3.1<br>-4.2 | +1.0<br>-2.2 | +3.1<br>-4.2 |

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|----------------------------------|------|-------------|--------------|------|--------------|--------------|--------------|--------------|----------------------|--------------|----------------------|------|--------------|--------------|--------------|------|------|---------------|---------------|
| 0.40:0.45;<br>050:055; 0.60      |      |             | 1200<br>2000 | 1400 |              |              |              |              | —                    | —            | —                    | —    | 2000         | —            | —            | —    | —    | —             | —             |
| 053:0.65:0.70;<br>0.75           | 1200 | 710<br>1420 |              |      |              | 1420         | 1200<br>2000 | 1500<br>2000 | —                    | —            | —                    | —    | 2000<br>2500 | —            |              | —    | —    | —             | —             |
| 0.8; 0.9                         |      |             |              |      |              |              |              | 1500         | —                    | —            | —                    | —    |              | —            | 2500         | —    | —    | —             | —             |
| 1.0                              | —    | —           |              | 2000 |              |              |              | 1600<br>2000 | 1600<br>2500         | 1700         | 1800<br>2000         | 1900 |              | —            |              | —    | —    | —             | —             |
| 1.2; 1.3; 1.4                    | —    | —           |              |      |              |              |              | 1500<br>2000 | 1600<br>2000<br>2500 | 1800         | 1800<br>2000<br>2500 | 2000 | 1800<br>2500 | 2000<br>2500 | 2500<br>3000 | —    | —    | —             | —             |
| 1.5; 1.6; 1.8                    | —    | —           |              |      | 1420<br>2000 |              | 1420<br>6000 | 1500<br>6000 | 1600<br>6000         | 1800<br>6000 | 1500<br>6000         |      | 1500<br>6000 |              |              |      |      |               | —             |
| 2.0; 2.2                         | —    | —           |              |      |              | 1420<br>6000 |              |              |                      | 2000<br>6000 | 1600<br>6000         |      | 2000<br>6000 |              |              |      | 2000 |               | —             |
| 2.5: 2.8                         | —    | —           |              |      |              |              |              |              |                      |              |                      |      |              |              |              |      | 6000 |               | —             |
| 3.0; 3.2; 3.5;<br>3.8: 3.9       | —    | —           |              | 2000 |              |              |              |              |                      | 1200         |                      |      |              |              |              |      |      |               |               |
| 4.0; 4.5;<br>5.0; 5.5            | —    | —           |              |      |              |              |              |              |                      | 6000         |                      |      |              |              |              |      |      |               |               |
| 6.0; 6.5; 7.0; 7.5               | —    | —           | —            | —    | —            |              |              |              |                      |              |                      |      | 1200<br>7000 |              |              |      |      | 2000<br>7000  |               |
| 8.0; 8.5; 9.0;<br>9.5:10.0; 10.5 | —    | —           | —            | —    | —            |              |              |              |                      |              |                      |      | 1200<br>8000 |              |              |      |      | 2000          | 2000<br>3000  |
| 11.0; 11.5; 12.0;<br>12.5:12,7   |      |             |              |      |              |              |              |              |                      |              |                      |      | 2000<br>6000 |              |              | 8000 |      | 2000<br>12000 | 3000<br>12000 |



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|   |       |      | 1700          | 1600 | 1900 | 2000 | 2100 | 2200 | 2300 | 2400          | 2500         | 2600 | 2700 | 2800 | 2900          | 3000         | 3200         | 3400         | 3600 | 3800 | 4000 | 4200          | 4400 |               |  |  |              |              |              |              |  |  |  |  |  |
|---|-------|------|---------------|------|------|------|------|------|------|---------------|--------------|------|------|------|---------------|--------------|--------------|--------------|------|------|------|---------------|------|---------------|--|--|--------------|--------------|--------------|--------------|--|--|--|--|--|
| 1.5; 1,6:1.8  |       |      |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 2.0; 2.2  |       |      |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 2.5; 2.6  |       |      |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 3.0:32; 3,5:38; 3.9   |       |      | 2000<br>6000  |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 4.0; 4.5; 5.0; 5.5  |       |      |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 6.0; 6.5:7.0; 7.5   |       |      | 2000<br>7000  |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 8.0; 8.5; 9.0; 9.5;<br>10.0:10.5  |       |      | 3000          |      |      |      |      |      |      | 4000<br>12000 |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 11.0; 11.5; 12.0;<br>12.5:12.7  |       |      | 12000         |      |      |      |      |      |      | 4000<br>10000 | 4000<br>9000 |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 13.0  | 13.5; | 14.0 | 3200<br>12000 |      |      |      |      |      |      | 3200<br>10000 |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 14.5  | 15.0; | 15.5 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 16.0  | 16.5; | 17.0 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 17.5  | 18.0; | 18.5 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 19.0  | 19.5; | 20.0 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 20.5  | 21.0; | 21.5 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 22.0  | 22.5; | 23.0 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 23.5  | 24.0; | 24.5 |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 25.0  | 25.5  |      |               |      |      |      |      |      |      |               |              |      |      |      |               |              |              |              |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |
| 26; 27; 28: 29; 30;<br>31:32; 34; 36; 38:40   |       |      |               |      |      |      |      |      |      |               |              |      |      |      | 3200<br>12000 |              |              |              |      |      |      | 3200<br>11000 |      | 3200<br>10000 |  |  | 3000<br>9500 | 3200<br>9500 | 3400<br>9500 | 3600<br>9500 |  |  |  |  |  |
| 42;45;48;50:52;55<br>58; 60:62; 65; 68; 70<br>72:75; 78; 80:82; 85<br>87; 90; 92; 95; 100<br>105; 110; 115; 120<br>125; 130; 135; 140<br>145:150; 155:160 |       |      | 3500<br>9000  |      |      |      |      |      |      | 3000<br>9000  |              |      |      |      | 3200<br>9000  | 3400<br>8500 | 3600<br>8000 | 3600<br>7000 |      |      |      |               |      |               |  |  |              |              |              |              |  |  |  |  |  |

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