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INTERSTATE COUNCIL FOR STANDARDIZATION METROLOGY AND CERTIFICATION  
(ISC)

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**18389**  
**2014**



2015

1.2—2009 « 1.0—92 «

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| ( 3166)<br>004-97 | ( 3166)<br>004-97          |  |
|-------------------|----------------------------|--|
|                   | BY<br>KZ<br>KG<br>RU<br>TJ |  |

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## Wire made of platinum and its alloys. Specifications

— 2015—09—01

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3193-74  
 4381 -87  
 8273-75  
 10197-70  
 12226-80<sup>1)</sup>  
 12551.1 -82  
 12551.2-82  
 12552.1 -77  
 12552.2-77  
 12553.1 -77  
 12553.2-77  
 12554.1 -83  
 12554.2-83  
 12556.1 -82  
 12556.2-82  
 12559.1 -82  
 12559.2-82  
 13498-2010  
 14192-96  
 15150-69

22864-83<sup>2></sup>  
 24104-2001<sup>3)</sup>  
 28798-90  
 29329-92<sup>2)</sup>  
 30649-99

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52521-2006.

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53228 -2008.

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80-20, 2.00  
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|--|--------|--------|--|--------|--------|
|  |        |        |  |        |        |
| 0.020<br>0.022<br>0.025<br>0.028<br>0.030          | -0,003 | -0,005 | 0.10<br>0.11<br>0.12<br>0.14<br>0.15         | -0.008 | -0.015 |
| 0.032<br>0.036<br>0.040<br>0.045<br>0.050<br>0.056 | -0,006 | -0,008 | 0.16<br>0.18<br>0.20<br>0.22<br>0.25<br>0.28 | -0.012 | -0.020 |
| 0.060<br>0.070<br>0.080<br>0.090                   | -0,006 | -0,010 | 0.30<br>0.32<br>0.36<br>0.40                 | -0.020 | -0,040 |
| 0.45<br>0.50<br>0.56<br>0.60                       | -0,020 | -0,040 | 1.60<br>1.80<br>2.00<br>2.20                 | -0,035 | -0,055 |
| 0.63<br>0.70<br>0.80<br>0.85<br>0.90               | -0,030 | -0,045 | 2.50<br>2.80<br>3.00<br>3.20<br>3.60         |        |        |
| 1.00<br>1.10<br>1.20<br>1.50                       | -0,035 | -0,055 | 4.00<br>4.50<br>5.00<br>6.00                 | -0.040 | -0.070 |

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| 5.1.3 |        |        |
| 5.1.4 | 1      |        |
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|       | 13498. | 30649. |

**5.1.6**                  :  
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**5.1.7**                  ) );  
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5.1.13 30649.

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- 14192. 10

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7.3 :

- 12226;

- 3193, 12551.1, 12551.2, 12552.1.

12552.2, 12553.1, 12553.2, 12554.1, 12554.2, 12556.1, 12556.2, 12559.1, 12559.2, 22864 -

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29329.

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|-------|----------|---------|---------|---------|---------|-----------|---------|---------|--------|
| -     | -        | ,       |         |         |         |           |         |         |        |
|       |          | 99.93   | 95-5    | 90-10   | 85-15   | 82.5-17.5 | 80-20   | 75-25   | 70-30  |
| 0.020 | 0.000314 | 0,00674 | 0.00675 | 0.00676 | 0.00678 | 0.00679   | 0.00679 | -       | -      |
| 0.022 | 0.000380 | 0.00815 | 0.00817 | 0.00818 | 0.00820 | 0.00821   | 0.00822 | -       | -      |
| 0.025 | 0.000491 | 0.01052 | 0,01055 | 0,01057 | 0.01059 | 0.01060   | 0.01062 | -       | -      |
| 0.028 | 0.000615 | 0.01320 | 0,01323 | 0.01326 | 0.01329 | 0.01330   | 0.01332 | -       | -      |
| 0.030 | 0,000707 | 0.01515 | 0.01519 | 0.01522 | 0.01525 | 0.01527   | 0.01529 | -       | -      |
| 0.032 | 0,000804 | 0.01724 | 0.01728 | 0,01731 | 0,01735 | 0.01737   | 0.01740 | -       | -      |
| 0.036 | 0.001017 | 0.02182 | 0,02187 | 0,02191 | 0.02196 | 0.02199   | 0.02202 | -       | -      |
| 0.040 | 0.001256 | 0.02694 | 0,02700 | 0.02705 | 0.02712 | 0.02714   | 0.02718 | 0.02723 | -      |
| 0.045 | 0.001590 | 0.03410 | 0.03418 | 0.03424 | 0,03432 | 0.03435   | 0.03440 | 0.03446 | -      |
| 0.050 | 0.001963 | 0.04210 | 0.04219 | 0.04227 | 0,04237 | 0.04241   | 0.04247 | 0.04255 | -      |
| 0.056 | 0.002462 | 0.05280 | 0.05293 | 0.05303 | 0,05315 | 0.05320   | 0.05327 | 0.05337 | -      |
| 0.060 | 0.002826 | 0.06062 | 0.06076 | 0.06087 | 0.06101 | 0,06107   | 0.06115 | 0.06127 | -      |
| 0.070 | 0.003847 | 0.08251 | 0.08270 | 0.08285 | 0.08305 | 0.08312   | 0.08324 | 0.08339 | -      |
| 0.080 | 0.005024 | 0,10776 | 0.10802 | 0.10822 | 0,10847 | 0.10857   | 0.10872 | 0.10892 | -      |
| 0.090 | 0.006359 | 0.13639 | 0,13671 | 0,13696 | 0,13728 | 0.13741   | 0.13760 | 0.13785 | -      |
| 0.10  | 0.00785  | 0.1684  | 0,1688  | 0.1691  | 0.1695  | 0.1696    | 0.1699  | 0.1702  | 0.1706 |
| 0.11  | 0.00950  | 0.2037  | 0.2042  | 0.2046  | 0.2051  | 0.2053    | 0.2055  | 0.2059  | 0.2064 |
| 0.12  | 0.01130  | 0.2425  | 0.2430  | 0.2435  | 0,2441  | 0.2443    | 0,2446  | 0.2451  | 0.2456 |
| 0.14  | 0.01539  | 0.3300  | 0,3308  | 0,3314  | 0.3322  | 0.3325    | 0.3330  | 0.3336  | 0.3343 |
| 0,15  | 0.01766  | 0.3789  | 0.3797  | 0.3805  | 0.3813  | 0.3817    | 0.3822  | 0.3829  | 0.3838 |
| 0.16  | 0.00031  | 0.0067  | 0.0068  | 0,0068  | 0.0068  | 0.0068    | 0.0068  | 0.0068  | 0.0068 |
| 0.18  | 0.02543  | 0.5456  | 0.5468  | 0.5478  | 0.5491  | 0.5496    | 0.5504  | 0.5514  | 0.5527 |
| 0.20  | 0.03140  | 0.6735  | 0.6751  | 0.6764  | 0.6779  | 0.6786    | 0.6795  | 0.6808  | 0.6823 |



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|------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|
|      |         | 99.93   | 95-5    | 90*10   | 85-15   | 82,5-17.5 | 80-20   | 75-25   | 70-30   |
| 0.22 | 0.03799 | 0.8150  | 0.8169  | 0.8184  | 0.8203  | 0.8211    | 0.8222  | 0.8237  | 0.8256  |
| 0.25 | 0.04906 | 1,0524  | 1.0548  | 1.0568  | 1.0593  | 1.0602    | 1.0617  | 1,0637  | 1.0661  |
| 0-28 | 0.06154 | 1,3201  | 1.3232  | 1.3257  | 1.3287  | 1.3300    | 1.3318  | 1.3343  | 1,3374  |
| 0.30 | 0.07065 | 1.5154  | 1.5190  | 1.5218  | 1.5253  | 1.5267    | 1.5289  | 1.5317  | 1.5352  |
| 0.32 | 0.08038 | 1,7242  | 1,7283  | 1,7315  | 1,7355  | 1,7371    | 1,7395  | 1.7427  | 1,7467  |
| 0.36 | 0.10174 | 2.1822  | 2.1873  | 2,1914  | 2.1965  | 2.1985    | 2.2016  | 2,2056  | 2,2107  |
| 0.40 | 0.12560 | 2.6941  | 2,7004  | 2.7054  | 2,7117  | 2.7142    | 2,7180  | 2,7230  | 2.7293  |
| 0.45 | 0.1590  | 3,410   | 2.418   | 3.424   | 3.432   | 3.435     | 3.440   | 3.446   | 3,454   |
| 0.50 | 0.1963  | 4.210   | 4.219   | 4.227   | 4.237   | 4.241     | 4.247   | 4.255   | 4.265   |
| 0.56 | 0.2462  | 5,280   | 5.293   | 5.303   | 5.315   | 5.320     | 5.327   | 5.337   | 5.349   |
| .    | 0.2826  | 6.062   | 6.075   | 6.087   | 6.101   | 6.107     | 6.115   | 6,127   | 6.141   |
| 0.70 | 0,3847  | 8.251   | 8.270   | 8.285   | 8.305   | 8.312     | 8.324   | 8.339   | 8.358   |
| 0.80 | 0.5024  | 10.776  | 10.802  | 10.822  | 10,847  | 10,857    | 10.872  | 10.892  | 10,917  |
| 0.85 | 0.5672  | 12.166  | 12,194  | 12.217  | 12,245  | 12.256    | 12.273  | 12.296  | 12.324  |
| 0.90 | 0.6359  | 13.639  | 13,671  | 13.696  | 13,728  | 13,741    | 13.760  | 13,785  | 13,817  |
| 1.00 | 0.7850  | 16.838  | 16.878  | 16.909  | 16.948  | 16.964    | 16.987  | 17,019  | 17.058  |
| 1.10 | 0.9499  | 20.374  | 20.422  | 20.460  | 20.507  | 20.526    | 20.555  | 20.593  | 20.640  |
| 1.20 | 1.1304  | 24.247  | 24.304  | 24.349  | 24.405  | 24,428    | 24.462  | 24.507  | 24.564  |
| 1.50 | 1.7663  | 37.886  | 37.974  | 38.045  | 38.133  | 38.169    | 38.222  | 38.292  | 38,381  |
| 1.60 | 2.0096  | 43.106  | 43.206  | 43.287  | 43.387  | 43.427    | 43.488  | 43.568  | 43.669  |
| 1.80 | 2.5434  | 54.556  | 54,683  | 54.785  | 54,912  | 54.963    | 55.039  | 55.141  | 55.268  |
| 2.00 | 3.1400  | 67.353  | 67,510  | 67.636  | 67.793  | 67.855    | 67.950  | 68.075  | 68.232  |
| 220  | 3.7994  | 81.497  | 81.687  | 81.839  | 82.029  | 82.105    | 82.219  | 82.371  | 82.561  |
| 2.50 | 4.9063  | 105.239 | 105,484 | 105.681 | 105.926 | 106.024   | 106,171 | 106.368 | 106.613 |
| 2.80 | 6.1544  | 132.012 | 132.320 | 132.566 | 132.873 | 132.997   | 133,181 | 133.427 | 133.735 |
| 3.00 | 7.0650  | 151.544 | 151.898 | 152.180 | 152.533 | 152.675   | 152.887 | 153.169 | 153.522 |
| 4.00 | 12.5600 | 269.412 | 270,040 | 270,542 | 271,170 | 271.422   | 271,798 | 272.301 | 272.929 |
| 5.00 | 19.6250 | 420.956 | 421.938 | 422,723 | 423,704 | 424,096   | 424.685 | 425.470 | 426.451 |
| 6.00 | 28.2600 | 606.177 | 607,590 | 608.720 | 610.133 | 610.699   | 611.546 | 612.677 | 614.090 |

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|-------|----------|---------|---------|----------|----------|---------|---------|--------|--------|---------|
|       |          | 98-2    | 95-5    | 93-7     | 92,5-7.5 | 90-10   | 60-20   | 70-30  | 6< 0   | 90-10   |
| 0.020 | 0 000314 | 0 00664 | 0 00650 | 0.00641  | 0.00639  | 0.00628 |         |        |        | 0.00626 |
| 0.022 | 0.000360 | 0.00603 | 0.00766 | 0.00776  | 0.00773  | 0.00760 |         |        |        | 0.00757 |
| 0.025 | 0.000491 | 0.01037 | 0.0(016 | 0.01002  | 0.00996  | 0.00981 |         |        |        | 0.00978 |
| 0.028 | 0 000615 | 0.01301 | 0.01274 | 0.01257  | 0.01252  | 0.01231 |         |        |        | 0.01227 |
| 0.030 | 0000707  | 0.01494 | 0.0(462 | 0.01443  | 0.01436  | 0.01413 |         |        |        | 0.01408 |
| 0.032 | 0.000804 | 0.01699 | 0.0(664 | 0.01641  | 0.01636  | 0.01608 |         |        |        | 0.01602 |
| 0.036 | 0.001017 | 0.02151 | 0,02106 | 0,02077  | 0.02070  | 0.02035 |         |        |        | 0.02028 |
| 0.040 | 0.001256 | 002655  | 0.02600 | 0.02565  | 0.02556  | 0.02612 | 002354  |        |        | 0.02503 |
| 0.045 | 0.001590 | 0.03360 | 0 03291 | 0.03246  | 0.03235  | 0.03179 | 0.02979 |        |        | 0.03168 |
| 0.050 | 0.001963 | 0.04149 | 0.04062 | 0.04007  | 0.03994  | 0.03925 | 003678  |        |        | 0.03911 |
| 0.056 | 0.002462 | 0.05204 | 0.05096 | 0,05027  | 0.05010  | 0.04924 | 0.04613 |        |        | 0.04906 |
| 0.060 | 0.002826 | 005974  | 0.05850 | 0.0577 ( | 0.05751  | 0.05652 | 0.05296 |        |        | 0.05632 |
| 0.070 | 0.003847 | 0.06132 | 0 07962 | 0 07855  | 0.07826  | 0.07693 | 007208  |        |        | 0.07666 |
| 0.080 | 0 005024 | 0.10621 | 0.10400 | 0,10259  | 0.10224  | 0.10048 | 0 09415 |        |        | 0.10013 |
| 0.090 | 0.006359 | 0.13442 | 0.13162 | 0.12984  | 0.12940  | 0.12717 | 0.11916 |        |        | 0.12672 |
| 0.10  | 0.00785  | 0.1659  | 0.1625  | 0.1603   | 0.1597   | 0.1570  | 0.1471  | 0.1384 | 0.1306 | 0.1565  |
| 0.11  | 0.00950  | 0.2006  | 0.1966  | 0.1940   | 0.1933   | 0.1900  | 0.1760  | 0.1675 | 0.1581 | 0.1693  |
| 0.12  | 0.01130  | 0.2390  | 0.2340  | 0.2308   | 0.2300   | 0.2261  | 0.2116  | 0.1993 | 0.1881 | 0.2253  |
| 0.14  | 0.01539  | 0.3253  | 0.3186  | 0. 142   | 0.3131   | 0.3077  | 0.2663  | 0.2713 | 0.2560 | 0.3066  |
| 0.15  | 0.01766  | 0.3734  | 0.3666  | 0.3607   | 0 3594   | 0 3533  | 0.3310  | 0.3114 | 0.2939 | 0.3520  |
| 0.16  | 0.00031  | 0.4246  | 0.4160  | 0.4104   | 0.4090   | 0.4019  | 0.3766  | 0.3543 | 0.3344 | 0.4005  |
| 0.18  | 0.02543  | 0.5377  | 0.6266  | 0.5194   | 0.5176   | 0.5087  | 0.4766  | 0.4484 | 0.4232 | 0.5069  |
| 0.20  | 0.03140  | 0.6636  | 0.6500  | 0.6412   | 0.6390   | 0.6260  | 0.5664  | 0.5536 | 0.5225 | 0.6256  |
| 0.22  | 0.03799  | 0.8032  | 0.7865  | 0.7758   | 0.7732   | 0.7599  | 0.7120  | 0.6698 | 0.6322 | 0.7572  |
| 0.25  | 0.04906  | 1.0372  | 1.0156  | 1.0019   | 0.9984   | 0 9813  | 0.9194  | 0.8650 | 0.8164 | 0.9778  |
| 0.28  | 0.06154  | 1.3010  | 1.2740  | 1.2567   | 1 2524   | 1.2309  | 1.1533  | 1.0850 | 1 0241 | .2266   |
| 0.30  | 0.07065  | (.4935  | 1.4625  | 1.4427   | 1.4377   | 1.4130  | 1.3240  | 1.2456 | 1 1756 | 1.4081  |
| 0.32  | 0.08038  | 1.6993  | 1.6639  | 1.6414   | 1.6358   | 1.6077  | 1.5064  | 1.4172 | 1.3376 | 1.6021  |
| 0.36  | 0.10174  | 2.1507  | 2.1059  | 2.0774   | 2.0703   | 2 0347  | 1.9065  | 1.7936 | 1 6929 | 2 0276  |
| 0.40  | 0.12560  | 2.6552  | 2.5999  | 2.5648   | 2.5560   | 2.5120  | 2.3537  | 2.2143 | 2.0900 | 2.5032  |
| 0.45  | 0.1590   | 3.360   | 3.291   | 3 246    | 3.235    | 3.179   | 2979    | 2.603  | 2.645  | 3.168   |
| 0.50  | 0.1963   | 4 149   | 4.062   | 4 007    | 3.994    | 3.926   | 3678    | 3.460  | 3.266  | 3.911   |
| 0.56  | 0,2462   | 5.204   | 5.096   | 5.027    | 5.010    | 4.924   | 4.613   | 4 340  | 4.096  | 4.906   |
| 0.60  | 0 2826   | 5.974   | 5.850   | 5.771    | 5.751    | 5.652   | 5296    | 4 982  | 4.702  | 5.632   |
| 0.70  | 0.3847   | 8 132   | 7962    | 7 655    | 7.828    | 7.693   | 7.208   | 6.781  | 6.401  | 7.666   |
| 0.80  | 0 5024   | 10.621  | 10.400  | 10.259   | 10.224   | 10.046  | 9 415   | 8.857  | 8.360  | 10013   |
| 0.85  | 0.5672   | 11.990  | 11.740  | 11.581   | 11.542   | 11.343  | 10.629  | 9 999  | 9.436  | 11.304  |
| 0.90  | 0.6359   | (3.442  | 13.162  | 12.984   | 12.940   | 12.717  | 11.916  | 11.210 | 10 581 | 12672   |
| 1.00  | 0,7650   | 16.595  | 16.250  | 16.030   | 15,975   | 15.700  | 14.711  | 13.840 | 13 062 | 15 645  |
| 1.10  | 0 9499   | 20.080  | 19.662  | 19.396   | 19 329   | 18 997  | 17.600  | 16.746 | 15.806 | 18931   |
| 1.20  | 1 1304   | 23.697  | 23.399  | 23.083   | 23.004   | 22.608  | 21.164  | 19.929 | 18610  | 22.529  |
| 1.50  | 1.7663   | 37.339  | 36.561  | 36.067   | 35943    | 35 325  | 33.100  | 31.139 | 29 390 | 35.201  |
| 1.60  | 2.0096   | 42.463  | 41.599  | 41.036   | 40.895   | 40 192  | 37 660  | 35,429 | 33440  | 40051   |
| 1.80  | 2 5434   | 53.767  | 52.648  | 51.936   | 61.758   | 50,668  | 47 663  | 44.840 | 42 322 | 50690   |
| 2.00  | 3.1400   | 66.360  | 64.998  | 64.119   | 63 899   | 62600   | 58 644  | 55.358 | 52.250 | 62.580  |
| 2.20  | 3.7994   | 80.32   | 78.65   | 77.58    | 77.32    | 75.99   | 71.20   | 66.98  | 63.22  | 75.72   |
| 2.50  | 4.9063   | 103.72  | 101.56  | 100.19   | 99.84    | 96.13   | 91.94   | 86.50  | 81.64  | 97.78   |
| 2.80  | 6.1544   | 130.10  | 127.40  | 125.67   | 125.24   | 123.09  | 115.33  | 108.60 | 102.41 | 122.66  |
| 3.00  | 7 0650   | 149.35  | 146.25  | 144.27   | 14377    | 141.30  | 132.40  | 124.56 | 117.56 | 140.61  |
| 4.00  | 12.5600  | 265,52  | 269.99  | 256.48   | 25560    | 251 20  | 235 37  | 221.43 | 209.00 | 250.32  |
| 5.00  | 19.6250  | 414 67  | 406.24  | 400.74   | 399,37   | 392 50  | 367.77  | 345.99 | 326.56 | 391 13  |
| 6.00  | 26.2600  | 597.42  | 564.98  | 577.07   | 575 09   | 56520   | 529.59  | 496.22 | 470.25 | 56322   |

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|-------|----------|---------|---------|------------|---------------|---------|---------|---------|---------|---------|
|       |          | 85-15   | 80-20   | 92.5-4-3.5 | 81-15-3.5-0.5 | 8       | 92-     | 90-10   | 97.5    | 91.5    |
| 0 020 | 0.000314 | 0.00604 | 0.00564 | 0.00636    | 0 00589       |         | 0.00626 |         | 0.00602 |         |
| 0 022 | 0.000360 | 0.00731 | 0.00707 | 0.00772    | 0.00713       |         | 0.00758 |         | 0.00726 |         |
| 0 026 | 0.000491 | 0.00944 | 0.00913 | 0.00997    | 0.00920       |         | 0.00979 |         | 0.00941 |         |
| 0,026 | 0.000615 | 0.01165 | 0.01145 | 0.01251    | 0.01155       | -       | 0.01226 |         | 0.01180 |         |
| 0.030 | 0.000707 | 0.01360 | 0.01315 | 0.01436    | 001325        | -       | 0.01409 |         | 0.01354 |         |
| 0 032 | 0.000604 | 0.01547 | 0.01496 | 0.01633    | 001508        | -       | 0.01604 |         | 0.01541 |         |
| 0036  | 0.001017 | 0.01956 | 0.01693 | 0.02067    | 001909        | -       | 0.02030 |         | 0.01950 |         |
| 0.040 | 0.001256 | 0.02416 | 0.02337 | 0.02652    | 002356        | 0.02542 | 0.02506 | 0.02604 | 0.02406 | 002533  |
| 0 045 | 0.001590 | 0.03060 | 0.02956 | 0.03230    | 002982        | 0 03217 | 0.03171 | 0.03295 | 0.03047 | 003206  |
| 0 050 | 0.001963 | 0.03776 | 0.03652 | 0.03986    | 003682        | 0 03972 | 0.03915 | 0.04066 | 0.03762 | 003958  |
| 0 056 | 0.002462 | 0.04739 | 0.04581 | 0.05002    | 0.04618       | 0.04963 | 0 04911 | 0.05103 | 0.04719 | 0 04965 |
| 0.060 | 0.002626 | 0.05440 | 0 05259 | 0.05742    | 0.05302       | 0.05720 | 005638  | 0.05658 | 0.05417 | 0.05700 |
| 0.070 | 0.003647 | 0.07405 | 0.07156 | 0.07616    | 0.07216       | 0.07765 | 0.07674 | 0.07974 | 0.07374 | 0.07758 |
| 0.060 | 0.005024 | 0.09671 | 0.09350 | 0.10209    | 0.09425       | 0.10169 | 0.10023 | 0.10415 | 0.09631 | 0.10133 |
| 0 090 | 0.006359 | 0.12240 | 0.11633 | 0.12920    | 0.11929       | 0.12670 | 0.12685 | 0.13161 | 0.12189 | 0.12825 |
| 0.10  | 0.00765  | 0.1511  | 0.1461  | 0.1595     | 0.1473        | 0.1589  | 0.1566  | 0,1627  | 0.1505  | 0.1563  |
| 0.11  | 0.00950  | 0.1626  | 0.1766  | 0 1930     | 0.1762        | 0.1922  | 0.1895  | 0 1969  | 0.1621  | 0.1916  |
| 0.12  | 0.01130  | 0 2176  | 0.2104  | 02297      | 0,2121        | 0.2268  | 0.2255  | 0.2343  | 0 2167  | 0.2260  |
| 0.14  | 0.01539  | 02962   | 0.2863  | 0.3126     | 0.2886        | 0.3114  | 0.3070  | 0 3190  | 0 2949  | 0.3103  |
| 0.15  | 0.01766  | 0.3400  | 0.3267  | 0 3589     | 0.3313        | 0.3676  | 0.3524  | 0 3681  | 0.3386  | 0.3563  |
| 0.16  | 0.00031  | 0 3666  | 0.3740  | 0.4084     | 0.3770        | 0.4067  | 0.4009  | 0.4166  | 0 3652  | 0.4053  |
| 0.16  | 002543   | 0.4696  | 0.4733  | 0 5168     | 0.4771        | 0.5148  | 0.5074  | 0 5272  | 0.4676  | 0.5130  |
| 020   | 0.03140  | 0 6045  | 0.5844  | 06380      | 0.5891        | 0.6365  | 0.6264  | 0.6509  | 0 6019  | 0.6333  |
| 0.22  | 0.03799  | 0.7314  | 0.7071  | 0.7720     | 0.7126        | 0.7690  | 0.7580  | 07676   | 0 7283  | 0.7663  |
| 0.25  | 0.04906  | 0.9445  | 0.9131  | 0.9970     | 0.9204        | 0.9930  | 0.9788  | 1.0171  | 0.9405  | 0.9696  |
| 026   | 0.06154  | 1 1647  | 1.1453  | 1.2506     | 1.1546        | 1.2457  | 1.2276  | 1.2758  | 1.1798  | 1.2413  |
| 0.30  | 0.07065  | 1.3600  | 1.3148  | 1.4356     | 1.3254        | 1.4300  | 1.4095  | 1.4646  | 1 3544  | 1.4250  |
| 0.32  | 0.06036  | 1 5474  | 1.4959  | 1.6334     | 1.5080        | 1.6270  | 1.6037  | 1.6664  | 1 5410  | 1.6213  |
| 036   | 0.10174  | 1 9564  | 1.8933  | 2,0673     | 1.9086        | 2.0591  | 2.0296  | 2.1090  | 1.9503  | 2.0520  |
| 0.40  | 0.12560  | 2.4176  | 2.3374  | 2.5522     | 2.3663        | 2.5421  | 2.5057  | 26037   | 2.4076  | 2.5334  |

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|       |         | 1      |        |            |               |        |        |        |        |        |
|-------|---------|--------|--------|------------|---------------|--------|--------|--------|--------|--------|
|       |         | 85-15  | 80-20  | 92.5-4-3.5 | 81-15-3.5-0.5 | 92-8   | 90-10  | 97.5   | 91.5   | 95.5   |
| 0.4 S | 0 1590  | 3.060  | 2.956  | 3 230      | 2.982         | 3.217  | 3 171  | 3295   | 3.047  | 3.206  |
| 0.50  | 0.1963  | 3.776  | 3 652  | 3 986      | 3.662         | 3.972  | 3,915  | 4.068  | 3.762  | 3.956  |
| 0.56  | 0 2462  | 4.739  | 4.581  | 5.002      | 4.616         | 4.963  | 4.911  | 6.103  | 4.719  | 4.966  |
| 0.60  | 0 2626  | 5.440  | 5,259  | 5.742      | 5.302         | 5.720  | 5.636  | 5.658  | 5.417  | 5.700  |
| 0.70  | 0 3647  | 7.406  | 7.156  | 7.616      | 7.216         | 7.766  | 7.674  | 7.974  | 7,374  | 7.756  |
| 0.80  | 0 5024  | 9.671  | 9.350  | 10,209     | 9,426         | 10.169 | 10,023 | 10.415 | 9 631  | 10 133 |
| 0.85  | 0 6672  | 10,916 | 10.555 | 11.525     | 10.640        | 11.479 | 11.315 | 11.757 | 10.873 | 11.440 |
| 0.90  | 0.6359  | 12.240 | 11.833 | 12.920     | 11.929        | 12.470 | 12.685 | 13.161 | 12.169 | 12.625 |
| 1.00  | 0.7650  | 16,111 | 14.609 | 16.951     | 14.727        | 15.488 | 15.661 | 16.273 | 15.046 | 15.633 |
| 1.10  | 0.9499  | 16.265 | 17.677 | 19.301     | 17.619        | 19.225 | 16.950 | 19 690 | 16.209 | 19.156 |
| 1.20  | 1 1304  | 21.760 | 21.037 | 22.970     | 21.206        | 22.479 | 22.551 | 23.433 | 21.670 | 22.600 |
| 1.50  | 1 7663  | 34.000 | 32.870 | 36.690     | 33.135        | 35.749 | 35.237 | 36.614 | 33.859 | 35.625 |
| 1.60  | 2.0096  | 36.665 | 37.399 | 40.835     | 37.700        | 40.674 | 40.092 | 41.659 | 36.524 | 40.534 |
| 1.80  | 2.5434  | 46.960 | 47.333 | 61.682     | 47.714        | 51.476 | 50.741 | 52.725 | 46.767 | 51.300 |
| 2.00  | 3.1400  | 60.445 | 66.435 | 63.805     | 58.906        | 63.554 | 62.643 | 65.092 | 60.194 | 63.334 |
| 2.20  | 3.7994  | 73.14  | 70.71  | 77.20      | 71.28         | 76.90  | 75.60  | 76.76  | 72.83  | 76.63  |
| 2.50  | 4,9063  | 94.45  | 91.31  | 99.70      | 92.04         | 99.30  | 97.66  | 101.71 | 94.05  | 96.96  |
| 2.80  | 5.1544  | 116.47 | 114.63 | 125.06     | 115.46        | 124.57 | 122.78 | 127.56 | 117.98 | 124.13 |
| 3.00  | 7.0650  | 136.00 | 131.46 | 143.56     | 132.54        | 14300  | 140.95 | 146.46 | 135.44 | 142.50 |
| 4.00  | 12.5600 | 241.78 | 233.74 | 265.22     | 235.63        | 254.21 | 250.57 | 260.37 | 240.78 | 253.34 |
| 5.00  | 19.6250 | 377.78 | 365.22 | 396.78     | 366.17        | 397.21 | 391.52 | 406.63 | 376.21 | 395.64 |
| 6.00  | 26.2600 | 544.01 | 525.92 | 574.24     | 530.16        | 571.96 | 563.79 | 565.63 | 541.74 | 570.00 |

|      |         | ?      |        |        |        |           |        |        |        |
|------|---------|--------|--------|--------|--------|-----------|--------|--------|--------|
|      |         | 6      | 5      | 90-10  | 85-15  | 82,5-17,5 | 40     | 75-25  | 70-30  |
| 0.10 | 0.00785 | 14.013 | 24.204 | 30.573 | 36.943 | 39.490    | 40.764 | 42,036 | 43.312 |
| 0.11 | 0.0095  | 11,581 | 20.003 | 25.267 | 30.531 | 32.637    | 33.690 | 34.742 | 35.795 |
| 0,12 | 0,0113  | 9.731  | 16.808 | 21.231 | 25.655 | 27.424    | 28.309 | 29.193 | 30.078 |
| 0.14 | 0.0154  | 7.149  | 12.349 | 15.599 | 18.848 | 20,148    | 20.798 | 21.448 | 22,098 |
| 0,15 | 0,0177  | 6.228  | 10,757 | 13.588 | 16.419 | 17,551    | 18.117 | 18.684 | 19.250 |
| 0,16 | 0,0201  | 5,474  | 9,455  | 11.943 | 14,431 | 15,426    | 15.924 | 16.421 | 16.919 |
| 0,18 | 0.0254  | 4.325  | 7,470  | 9.436  | 11,402 | 12.188    | 12,582 | 12.975 | 13.368 |
| 0,20 | 0,0314  | 3.503  | 6.051  | 7.643  | 9.236  | 9.873     | 10,191 | 10.510 | 10.828 |
| 0,22 | 0.0380  | 2.895  | 5.001  | 6,317  | 7.633  | 8.159     | 8.422  | 8,686  | 8.949  |
| 0.25 | 0.0491  | 2,242  | 3.873  | 4.892  | 5.911  | 6.318     | 6.522  | 6.726  | 6.930  |
| 0,28 | 0.0615  | 1,787  | 3.087  | 3.900  | 4.712  | 5.037     | 5,200  | 5.362  | 5.525  |
| 0.30 | 0.0707  | 1.557  | 2.689  | 3.397  | 4.105  | 4,388     | 4.529  | 4.671  | 4.812  |
| 0.32 | 0.0804  | 1.368  | 2.364  | 2.986  | 3.608  | 3.856     | 3.981  | 4.105  | 4.230  |

|      |         | 1              |               |        |          |           |                   |        |        |
|------|---------|----------------|---------------|--------|----------|-----------|-------------------|--------|--------|
|      |         | 99,93;<br>99,8 | 99,9;<br>99,8 | 90-10  | <*185-15 | 82,5-17,5 | 3<br>6<br>00<br>? | 75-25  | 70-30  |
| .36  | 0.1017  | 1.081          | 1.868         | 2.359  | 2.851    | 3.047     | 3.145             | 3.244  | 3.342  |
| 0.40 | 0,1256  | 0.8758         | 1.5127        | 1.9108 | 2.3089   | 2.4682    | 2.5478            | 2.6274 | 2.7070 |
| 0,45 | 0.1590  | 0.6920         | 1.1953        | 1.5098 | 1.8243   | 1.9501    | 2.0131            | 2.0760 | 2,1389 |
| 0,50 | 0.1963  | 0.5605         | 0.9682        | 1.2229 | 1,4777   | 1.5796    | 1.6306            | 1.6815 | 1,7325 |
| 0.56 | 0,2462  | 0.4468         | 0.7718        | 0,9749 | 1.1780   | 1.2593    | 1.2999            | 1.3405 | 1,3811 |
| 0.60 | 0.2826  | 0.3892         | 0.6723        | 0.8493 | 1.0262   | 1.0970    | 1.1323            | 1.1677 | 1,2031 |
| 0.70 | 0.3847  | 0.2860         | 0.4940        | 0.6239 | 0.7539   | 0.8059    | 0.8319            | 0.8579 | 0.8839 |
| 0.80 | 0.5024  | 0,2189         | 0.3782        | 0.4777 | 0.5772   | 0,6170    | 0.6369            | 0.6568 | 0.6768 |
| 0.85 | 0.5672  | 0,1939         | 0.3350        | 0.4232 | 0.5113   | 0.5466    | 0.5642            | 0.5818 | 0.5995 |
| 0.90 | 0.6359  | 0.1730         | 0.2988        | 0,3774 | 0.4561   | 0.4875    | 0.5033            | 0.5190 | 0.5347 |
| 1.00 | 0.7850  | 0,1401         | 0.2420        | 0,3057 | 0.3694   | 0.3949    | 0.4076            | 0.4204 | 0,4331 |
| 1.10 | 0.9499  | 0.1158         | 0,2000        | 0.2527 | 0,3053   | 0,3264    | 0.3369            | 0.3474 | 0,3580 |
| 1.20 | 1.1304  | 0.0973         | 0.1681        | 0.2123 | 0.2565   | 0.2742    | 0.2831            | 0.2919 | 0.3008 |
| 1.50 | 1.7663  | 0.0623         | 0.1076        | 0.1359 | 0.1642   | 0.1755    | 0.1812            | 0.1868 | 0,1925 |
| 1.60 | 2.0096  | 0.0547         | 0.0945        | 0.1194 | 0,1443   | 0.1543    | 0.1592            | 0.1642 | 0.1692 |
| 1.80 | 2.5434  | 0.0432         | 0,0747        | 0.0944 | 0,1140   | 0.1219    | 0.1258            | 0.1297 | 0.1337 |
| 2.00 | 3.1400  | 0.0350         | 0.0605        | 0.0764 | 0.0924   | 0.0987    | 0.1019            | 0.1051 | 0.1083 |
| 2,20 | 3.7994  | 0.0290         | 0.0500        | 0.0632 | 0.0763   | 0.0816    | 0.0842            | 0.0869 | 0.0895 |
| 2.50 | 4.9063  | 0.0224         | 0.0387        | 0.0489 | 0.0591   | 0,0632    | 0.0652            | 0.0673 | 0.0693 |
| 2.80 | 6.1544  | 0.0179         | 0.0309        | 0.0390 | 0.0471   | 0,0504    | 0.0520            | 0.0536 | 0.0552 |
| 3.00 | 7.0650  | 0,0156         | 0.0269        | 0.0340 | 0.0410   | 0.0439    | 0.0453            | 0.0467 | 0.0481 |
| 4.00 | 12.5600 | 0.0088         | 0.0151        | 0.0191 | 0.0231   | 0,0247    | 0.0255            | 0.0263 | 0.0271 |
| 5.00 | 19.6250 | 0.0056         | 0.0097        | 0,0122 | 0.0148   | 0,0158    | 0.0163            | 0.0168 | 0,0173 |
| 6.00 | 28.2600 | 0.0039         | 0.0067        | 0.0085 | 0.0103   | 0.0110    | 0.0113            | 0.0117 | 0.0120 |

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|-------------------------|------------------|--------------------|------|--------------------------------------|
|                         |                  |                    |      |                                      |
| 99.93:<br>99.9;<br>99.8 | 120-200(12-20)   | 340-690 (35-70)    | 0.11 | 3.9                                  |
| 955                     | 200-290 (20-30)  | 440-740(45-75)     | 0.19 | 1.9                                  |
| 90-10                   | 290-390(30-40)   | 540-830(55-85)     | 0.24 | 1.3                                  |
| 8515                    | 440-640 (45-65)  | 830-1130(85-115)   | 0.29 | 1.0                                  |
| 82.5-17.5               | 590-690 (60-70)  | 880-1130(90-115)   | 0.31 | 0.9                                  |
| 80*20                   | 590-740 (60-75)  | 930-1130(95-115)   | ! 5  | 0.9                                  |
| 7525                    | 685 830(70-85)   | 980-1225(100-125)  | 0.33 | 0.8                                  |
| 70-30                   | 880-1080(90-110) | 1180-1470(120-150) | 0.34 | 0.7                                  |
| 98-2                    | 200-290 (20-30)  | 440-740 (45-75)    | 0.17 | 2.1                                  |
| 955                     | 250-340(25-35)   | 490-740(50-75)     | 0.18 | 1.9                                  |
| 93-7                    | 290-390 (30-40)  | 540-740 (55-75)    | 0,18 | 1.9                                  |
| 92.5-7.5                | 290-390(30-40)   | 540-740 (55-75)    | 0.18 | 1.8                                  |
| 90-10                   | 290-390 (30-40)  | 540-740(55-75)     | 0.20 | 1.7                                  |
| 80-20                   | 390-490 (40- 50) | 780-980 (80-100)   | 0.20 | 1.4                                  |
| 70-30                   | 440-590(45-60)   | 780-1080 (80-110)  | 0.19 | 1.3                                  |
| 60-40                   | 540-640(55-65)   | 980-1270(100-130)  | 0.18 | 1.4                                  |
| 90-10                   | 150-250(15-25)   | 290-440 (30-45)    | 0.19 | 1.8                                  |
| 85-15                   | 150-250 (15-25)  | 290-440 (30-45)    | 0,22 | 1.5                                  |
| 80-20                   | 200-290 (20- 30) | 340-490 (35 -50)   | 0,25 | 1.3                                  |
| 92.5-4-3.5              | 250-290 (25-30)  | 490-735 (50-75)    | 0,19 | 1.9                                  |
| 81-15<br>3.50.5         | 290-390(30-40)   | 540-780 (55-80)    | 0.21 | 1.8                                  |
| 92-8                    | 590-690(60 70)   | 880-1270 (90-130)  | 0,38 | 0.6                                  |
| 90-10                   | 590-690(60 70)   | 980-1470 (100-150) | 0.41 | 0.5                                  |
| 97.5                    | 390-540 (40 55)  | 590-1080 (60-90)   | 0.30 | 1.0                                  |
| 91.5                    | 490-640(50 65)   | 1080-1270 (90-130) | 0.56 | 0.4                                  |
| 95.5                    | 490-640(50-65)   | 1080-1270 (90-130) | 0.22 | 2.1                                  |

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