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TL/Ad.

| 20000 | SB     | İMBUS CIVATA 8.8 |        |        |        |        |        | DIN 912 |         |         |  |         |         |         |      |      |
|-------|--------|------------------|--------|--------|--------|--------|--------|---------|---------|---------|---|---------|---------|---------|------|------|
|       |        | M 3              | M 4    | M 5    | M 6    | M 8    | M 10   | M 12    | M 14    | M 16    | M 18  | M 20    | M 22    | M 24    | M 30 | M 33 |
| 6     |        |                  |        |        |        |        |        |         |         |         |   |         |         |         |      |      |
| 8     | 0,1361 | 0,1665           | 0,1523 |        |        |        |        |         |         |         |   |         |         |         |      |      |
| 10    | 0,1382 | 0,1275           | 0,1098 | 0,1175 | 0,2777 |        |        |         |         |         |   |         |         |         |      |      |
| 12    | 0,1428 | 0,1275           | 0,0945 | 0,1053 | 0,1981 |        |        |         |         |         |   |         |         |         |      |      |
| 16    | 0,1428 | 0,1079           | 0,0806 | 0,1077 | 0,1897 | 0,3178 |        |         |         |         |   |         |         |         |      |      |
| 20    | 0,1728 | 0,1273           | 0,0920 | 0,1108 | 0,2049 | 0,3301 | 0,4945 |         |         |         |   |         |         |         |      |      |
| 25    | 0,2083 | 0,1512           | 0,1058 | 0,1250 | 0,2169 | 0,3547 | 0,5123 | 1,5278  | 1,6554  |         |   |         |         |         |      |      |
| 30    | 0,2541 | 0,1653           | 0,1219 | 0,1351 | 0,2418 | 0,3951 | 0,5473 | 0,7977  | 1,3767  |         |   |         |         |         |      |      |
| 35    | 0,3812 | 0,1907           | 0,1370 | 0,1581 | 0,2733 | 0,4283 | 0,6003 | 0,8782  | 1,2939  |         |   |         |         |         |      |      |
| 40    | 0,4194 | 0,2123           | 0,1589 | 0,1773 | 0,2970 | 0,4731 | 0,6453 | 0,9357  | 1,2274  | 3,4642  | 2,3682  |         | 6,9149  |         |      |      |
| 45    |        | 0,2552           | 0,1768 | 0,1906 | 0,3294 | 0,5213 | 0,7242 | 1,0162  | 1,3134  | 3,5858  | 2,5735  |         |         |         |      |      |
| 50    |        | 0,3646           | 0,2198 | 0,2121 | 0,3527 | 0,5663 | 0,7689 | 1,0920  | 1,4264  | 3,7880  | 2,5955  | 6,2206  | 6,9149  |         |      |      |
| 55    |        |                  | 0,3557 | 0,2354 | 0,3865 | 0,5965 | 0,8499 | 1,1600  | 1,6300  | 3,9833  | 2,7900  |         | 5,1771  |         |      |      |
| 60    |        | 0,5053           | 0,3702 | 0,2515 | 0,4329 | 0,6586 | 0,9054 | 1,2593  | 1,7208  | 4,1819  | 2,9401  | 6,6860  | 5,4197  |         |      |      |
| 65    |        |                  |        | 0,2960 | 0,4336 | 0,7007 | 0,9717 | 1,3078  | 1,8422  |         | 3,0515  |         |         |         |      |      |
| 70    |        | 0,7025           | 0,7027 | 0,3832 | 0,4712 | 0,7467 | 1,0094 | 1,4304  | 1,9413  | 4,6337  | 3,2036  | 7,3613  | 5,9672  | 23,0868 |      |      |
| 75    |        |                  | 0,4364 | 0,5037 | 0,7958 | 1,0993 | 1,4924 | 2,0896  |         | 3,3479  |   |         |         |         |      |      |
| 80    |        | 0,9242           | 1,2451 | 0,5652 | 0,5410 | 0,8438 | 1,1352 | 1,6263  | 2,1540  | 5,1897  | 3,5500  | 7,9811  | 6,4695  | 25,1790 |      |      |
| 90    |        | 1,3541           | 1,4992 | 0,6441 | 0,6056 | 0,9732 | 1,2634 | 1,7724  | 2,4576  | 5,9310  | 3,9060  | 8,7161  | 7,0655  | 27,2085 |      |      |
| 100   |        | 1,4652           | 1,8549 | 0,7135 | 0,6864 | 1,0841 | 1,3957 | 1,9539  | 2,5585  | 6,3386  | 4,3426  | 9,4183  | 7,6346  | 29,3486 |      |      |
| 110   |        |                  |        | 0,9642 | 0,7984 | 1,2007 | 1,5475 | 2,1914  | 3,0258  | 6,3998  | 4,7315  |         | 8,2438  | 31,3814 |      |      |
| 120   |        |                  |        | 1,1556 | 0,9254 | 1,3023 | 1,7388 | 2,3739  | 3,2443  | 7,4225  | 5,1205  | 10,8719 | 8,8129  | 33,4142 |      |      |
| 130   |        |                  |        | 1,3716 | 1,0980 | 1,4054 | 1,8668 | 2,5566  | 3,4850  | 7,9710  | 5,5151  | 11,7388 | 9,5155  | 35,3961 |      |      |
| 140   |        |                  |        | 1,4962 | 1,2794 | 1,5069 | 2,0496 | 2,7391  | 3,7378  | 9,2295  | 5,9070  | 12,9677 | 10,5118 | 37,4543 |      |      |
| 150   |        |                  |        |        | 3,0154 | 1,6613 | 2,2742 | 3,1266  | 4,0309  | 9,6812  | 6,2931  | 13,8510 | 11,2277 | 39,6396 |      |      |
| 160   |        |                  |        |        | 3,2017 | 4,9550 | 6,9878 | 9,2747  | 4,3178  | 9,9744  | 6,7129  | 15,4911 | 12,5574 | 41,4691 |      |      |
| 170   |        |                  |        |        |        |        |        | 9,7829  | 4,4615  | 10,5613 | 7,1211  |         | 14,8611 | 43,5019 |      |      |
| 180   |        |                  |        |        | 3,9507 | 6,7219 | 7,8137 | 10,4181 | 4,5984  | 11,4416 | 7,5296  | 19,1176 | 15,4970 | 45,4839 |      |      |
| 200   |        |                  |        |        |        | 7,4197 | 8,6394 | 11,3837 | 14,3058 | 13,0553 | 22,6981   | 25,1700 | 21,1651 | 49,5495 |      |      |

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| 22000     | HB     | HAVŞA BAŞ İMBUS CIVATA 10.9 |        |        |        |        |        |        | DIN 7991 |        |        |  |        |         |         |         |     |
|-----------|--------|-----------------------------|--------|--------|--------|--------|--------|--------|----------|--------|--------|---|--------|---------|---------|---------|-----|
|           |        | 6-8                         | 10     | 12     | 16     | 20     | 25     | 30     | 35       | 40     | 45     | 50  | 60     | 70      | 80      | 90      | 100 |
| M 4       | 0,1432 | 0,1222                      | 0,1397 | 0,1747 | 0,1863 | 0,2037 | 0,2270 | 0,2619 | 0,2911   | 0,3203 | 0,4366 |   |        |         |         |         |     |
| M 5       | 0,1134 | 0,1077                      | 0,1077 | 0,0716 | 0,0778 | 0,0887 | 0,1061 | 0,1223 | 0,1422   | 0,1907 | 0,1906 | 0,3278  |        |         |         |         |     |
| M 6       |        | 0,1596                      | 0,1292 | 0,0895 | 0,0967 | 0,1112 | 0,1279 | 0,1457 | 0,1704   | 0,2766 | 0,2767 | 0,5286  | 0,7037 | 0,8070  |         |         |     |
| M 8       |        |                             | 0,2606 | 0,1751 | 0,1786 | 0,1931 | 0,2116 | 0,2326 | 0,2616   | 0,3740 | 0,3741 | 0,4789  | 1,0273 | 1,1617  |         |         |     |
| M 10      |        |                             |        | 0,5399 | 0,3141 | 0,3226 | 0,3671 | 0,4054 | 0,4383   | 0,5450 | 0,5450 | 0,6738  | 0,7777 | 0,8805  | 1,2128  | 1,5500  |     |
| M 12      |        |                             |        |        | 0,9624 | 0,6214 | 0,6345 | 0,6811 | 0,7397   | 0,8348 | 0,8348 | 1,0111  | 1,1724 | 1,3598  |         |         |     |
| M 14 - 16 |        |                             |        |        |        |        | 1,8367 | 1,7747 | 1,8635   | 2,1256 | 2,1256 | 2,4723  | 3,5381 | 4,6820  | 4,8634  | 5,8617  |     |
| M 20      |        |                             |        |        |        |        |        |        | 6,1996   | 6,6070 | 7,1310 | 8,0042  | 8,9065 | 10,6237 | 13,1670 | 15,7080 |     |

| 23000 | SETSKUR |   |        |        |        |        |        | DIN 916 |        |        |  |        |        |        |    |    |
|-------|---------|---|--------|--------|--------|--------|--------|---------|--------|--------|---|--------|--------|--------|----|----|
|       | 4       | 5 | 6      | 8      | 10     | 12     | 16     | 20      | 25     | 30     | 35  | 40     | 50     | 60     | 70 | 80 |
| M 3   |         |   | 0,0281 | 0,0293 | 0,0308 | 0,0359 | 0,0493 | 0,0580  | 0,1500 | 0,1540 |   |        |        |        |    |    |
| M 4   |         |   | 0,0205 | 0,0239 | 0,0270 | 0,0274 | 0,0365 | 0,0673  | 0,0770 | 0,1300 | 0,1584  | 0,2030 |        |        |    |    |
| M 5   |         |   | 0,0227 | 0,0251 | 0,0240 | 0,0308 | 0,0557 | 0,0592  | 0,0780 | 0,1584 | 0,1730  | 0,1780 |        |        |    |    |
| M 6   |         |   | 0,0222 | 0,0269 | 0,0290 | 0,0327 | 0,0450 | 0,0655  | 0,0707 | 0,0878 | 0,0912  | 0,1229 | 0,3270 |        |    |    |
| M 8   |         |   |        | 0,0341 | 0,0372 | 0,0458 | 0,0641 | 0,0797  | 0,1006 | 0,1235 | 0,1480  | 0,1994 | 0,4410 | 0,6160 |    |    |
| M 10  |         |   |        |        | 0,0541 | 0,0710 | 0,0976 | 0,1247  | 0,1447 | 0,1937 | 0,2246  | 0,2607 | 0,4980 | 0,8800 |    |    |
| M 12  |         |   |        |        | 0,1049 | 0,1049 | 0,1550 | 0,1668  | 0,2343 | 0,3438 | 0,3989  | 0,4070 | 0,5700 | 0,9700 |    |    |
| M 14  |         |   |        |        |        |        | 0,4650 | 0,5110  | 0,7000 | 0,7500 | 0,8000  | 0,8500 | 0,9450 | 1,5000 |    |    |
| M 16  |         |   |        |        |        |        | 0,4650 | 0,5110  | 0,7000 | 0,7500 | 0,8000  | 0,8500 | 0,9450 | 1,5000 |    |    |

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