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EN HOLLOW BAR 20MnV6  
(PRODUCED TO "EURO NORM" EN10294-1 SPECIFICATION)

| O.D.<br>mm | I.D.<br>mm | W.T.<br>mm | APPROX<br>WEIGHT<br>Kg/m | O.D.<br>mm | I.D.<br>mm | W.T.<br>mm | APPROX<br>WEIGHT<br>Kg/m | O.D.<br>mm | I.D.<br>mm | W.T.<br>mm | APPROX<br>WEIGHT<br>Kg/m | O.D.<br>mm | I.D.<br>mm | W.T.<br>mm | APPROX<br>WEIGHT<br>Kg/m | O.D.<br>mm | I.D.<br>mm | W.T.<br>mm | APPROX<br>WEIGHT<br>Kg/m | O.D.<br>mm | I.D.<br>mm | W.T.<br>mm | APPROX<br>WEIGHT<br>Kg/m |       |       |
|------------|------------|------------|--------------------------|------------|------------|------------|--------------------------|------------|------------|------------|--------------------------|------------|------------|------------|--------------------------|------------|------------|------------|--------------------------|------------|------------|------------|--------------------------|-------|-------|
| 30         | 20         | 5          | 4.3                      | 90         | 60         | 15         | 31.5                     | 120        | 65         | 27.5       | 68.7                     | 155        | •120       | 17.5       | 69.3                     | 180        | •165       | 7.5        | 45.1                     | 200        | 125        | 37.5       | 167.5                    |       |       |
|            |            | 7.5        | 5.3                      |            | 55         | 17.5       | 35                       |            | •60        | 30         | 72.4                     |            | •115       | 20         | 76.6                     |            | •160       | 10         | 54.6                     |            |            | 120        | 40                       | 175.1 |       |
|            |            | 50         | 20                       |            | 38.6       | •110       | 22.5                     |            | 83.7       | •155       | 12.5                     |            | 64.5       | 115        | 42.5                     |            | 182.1      |            |                          |            |            |            |                          |       |       |
| 35         | 25         | 5          | 5.1                      | 95         | 45         | 22.5       | 40.9                     | 125        | •110       | 7.5        | 29.3                     | 160        | •105       | 25         | 90.3                     | 185        | 150        | 15         | 72.9                     | 210        | •110       | 45         | 189.0                    |       |       |
|            |            | 7.5        | 6.4                      |            | 40         | 25         | 43.4                     |            | •105       | 10         | 34.7                     |            | •100       | 27.5       | 96.6                     |            | 145        | 17.5       | 82.1                     |            |            | •105       | 47.5                     | 195.4 |       |
|            |            | 100        | 12.5                     |            | 41.1       | •95        | 30                       |            | 102.7      | 140        | 20                       |            | 91.1       | •100       | 50                       |            | 202.5      |            |                          |            |            |            |                          |       |       |
| 40         | 30         | 5          | 5.9                      | 100        | •80        | 7.5        | 20.7                     | 130        | •95        | 15         | 47.3                     | 170        | •90        | 32.5       | 108.3                    | 190        | •135       | 22.5       | 99.8                     | 220        | •190       | 10         | 74.1                     |       |       |
|            |            | 7.5        | 7.5                      |            | 75         | 10         | 25.3                     |            | 90         | 17.5       | 53                       |            | •85        | 35         | 113.6                    |            | 130        | 25         | 108                      |            |            | •185       | 12.5                     | 85.3  |       |
|            |            | 20         | 10                       |            | 8.8        | 70         | 12.5                     |            | 29.3       | •85        | 20                       |            | 58.5       | •80        | 37.5                     |            | 118.6      | •125       | 27.5                     |            |            | 116        | •180                     | 15    | 97.4  |
| 45         | 35         | 5          | 6.7                      | 105        | 65         | 15         | 33.6                     | 140        | 80         | 22.5       | 63.7                     | 175        | •75        | 40         | 123.1                    | 195        | •120       | 30         | 123.7                    | 225        | •175       | 17.5       | 109.2                    |       |       |
|            |            | 7.5        | 8.7                      |            | 60         | 17.5       | 37.2                     |            | 75         | 25         | 68.4                     |            | •70        | 42.5       | 129.3                    |            | 115        | 32.5       | 131                      |            |            | •170       | 20                       | 120.2 |       |
|            |            | •25        | 10                       |            | 9.8        | 55         | 20                       |            | 40.8       | 70         | 27.5                     |            | 72.8       | •65        | 45                       |            | 133.2      | •110       | 35                       |            |            | 138        | 170                      | 20    | 120.2 |
| 50         | 40         | 5          | 7.6                      | 110        | 50         | 22.5       | 44                       | 150        | •65        | 30         | 76.9                     | 180        | 105        | 37.5       | 144.5                    | 200        | 105        | 37.5       | 144.5                    | 230        | •165       | 22.5       | 131.2                    |       |       |
|            |            | 7.5        | 9.9                      |            | 45         | 25         | 46.8                     |            | •60        | 32.5       | 80.6                     |            | •100       | 40         | 150.9                    |            | 160        | 25         | 141.8                    |            |            |            |                          |       |       |
|            |            | 30         | 10                       |            | 11.8       | 85         | 7.5                      |            | 21.8       | •55        | 35                       |            | 84.1       | •95        | 42.5                     |            | 156.7      | 155        | 27.5                     |            |            | 152.1      |                          |       |       |
| 55         | •45        | 5          | 9                        | 115        | 80         | 10         | 27.1                     | 155        | •115       | 7.5        | 31                       | 190        | 135        | 12.5       | 55.2                     | 210        | 90         | 45         | 162.2                    | 240        | •145       | 32.5       | 171.1                    |       |       |
|            |            | 7.5        | 11.6                     |            | 75         | 12.5       | 31.5                     |            | 110        | 10         | 36.7                     |            | 125        | 17.5       | 71.6                     |            | 85         | 47.5       | 165.4                    |            |            | 140        | 35                       | 180.2 |       |
|            |            | 10         | 13.9                     |            | 70         | 15         | 36                       |            | •105       | 12.5       | 43.5                     |            | •120       | 20         | 79.3                     |            | •170       | 7.5        | 46.6                     |            |            | •135       | 37.5                     | 188.9 |       |
| 60         | 35         | 10         | 15.9                     | 120        | 65         | 17.5       | 40.2                     | 160        | 100        | 15         | 49.9                     | 200        | 115        | 22.5       | 86.7                     | 220        | •165       | 10         | 56.5                     | 250        | 130        | 40         | 197.2                    |       |       |
|            |            | 12.5       | 17.2                     |            | 60         | 20         | 44                       |            | 95         | 17.5       | 56                       |            | •110       | 25         | 93.6                     |            | •160       | 12.5       | 67                       |            |            | •125       | 42.5                     | 204.8 |       |
|            |            | 45         | 7.5                      |            | 12.2       | 55         | 22.5                     |            | 47.5       | •90        | 20                       |            | 61.7       | 105        | 27.5                     |            | 100.5      | •155       | 15                       |            |            | 75.5       |                          |       |       |
| 65         | •50        | 5          | 9.3                      | 125        | 45         | 27.5       | 53.2                     | 165        | •85        | 22.5       | 67.2                     | 205        | •100       | 30         | 106.7                    | 225        | •150       | 17.5       | 85.2                     | 255        | 180        | 20         | 122.7                    |       |       |
|            |            | 7.5        | 12.2                     |            | 80         | 25         | 72.3                     |            | 95         | 32.5       | 112.7                    |            | •145       | 20         | 94.6                     |            | •140       | 22.5       | 103.4                    |            |            | 170        | 25                       | 145.4 |       |
|            |            | 10         | 14.9                     |            | 75         | 27.5       | 77                       |            | •90        | 35         | 118.4                    |            | •140       | 22.5       | 103.4                    |            | •135       | 25         | 112.1                    |            |            | •160       | 30                       | 166.9 |       |
| 70         | 40         | 12.5       | 17.2                     | 130        | •90        | 7.5        | 23.7                     | 170        | •70        | 30         | 81.4                     | 210        | 85         | 37.5       | 123.6                    | 230        | •130       | 27.5       | 120.4                    | 260        | 155        | 32.5       | 177.0                    |       |       |
|            |            | 35         | 12.5                     |            | 85         | 10         | 28.2                     |            | 65         | 32.5       | 85.5                     |            | •135       | 25         | 112.1                    |            | 150        | 35         | 186.5                    |            |            |            |                          |       |       |
|            |            | •55        | 5                        |            | 10.3       | 80         | 12.5                     |            | 33.3       | •60        | 35                       |            | 89.2       | •80        | 40                       |            | 128.5      | •125       | 30                       |            |            | 128.2      | •145                     | 37.5  | 195.9 |
| 75         | 50         | 7.5        | 13.7                     | 135        | 75         | 15         | 38.2                     | 175        | 55         | 37.5       | 93.8                     | 215        | •75        | 42.5       | 133.2                    | 235        | •120       | 32.5       | 135.9                    | 265        | •140       | 40         | 204.9                    |       |       |
|            |            | 10         | 16.7                     |            | 70         | 17.5       | 42.7                     |            | 75         | 27.5       | 58.1                     |            | 110        | 15         | 54.4                     |            | •115       | 35         | 143.2                    |            |            | 135        | 42.5                     | 213.5 |       |
|            |            | 12.5       | 19.3                     |            | 65         | 20         | 46.8                     |            | •125       | 7.5        | 33.6                     |            | 105        | 17.5       | 61.2                     |            | •110       | 37.5       | 150                      |            |            | 130        | 45                       | 221.8 |       |
| 80         | 40         | 15         | 21.4                     | 140        | 60         | 22.5       | 50.7                     | 180        | •120       | 10         | 39.9                     | 220        | •150       | 10         | 51.4                     | 240        | •105       | 40         | 156.6                    | 270        | 125        | 47.5       | 229.7                    |       |       |
|            |            | •60        | 5                        |            | 11         | 55         | 25                       |            | 54.1       | 115        | 12.5                     |            | 47.3       | 145        | 12.5                     |            | 60.8       | •100       | 42.5                     |            |            | 162.8      |                          |       |       |
|            |            | 55         | 27.5                     |            | 58.1       | 110        | 15                       |            | 54.4       | 140        | 15                       |            | 68.5       | •95        | 45                       |            | 168.6      | 230        | 190                      |            |            | 20         | 135.7                    |       |       |
| 85         | •60        | 5          | 14.6                     | 145        | 105        | 17.5       | 61.2                     | 185        | 105        | 17.5       | 61.2                     | 225        | 135        | 17.5       | 77.2                     | 245        | •175       | 7.5        | 48.3                     | 275        | 180        | 25         | 160.1                    |       |       |
|            |            | 7.5        | 14.6                     |            | •95        | 7.5        | 24.9                     |            | •100       | 20         | 67.5                     |            | •130       | 20         | 85.5                     |            | •170       | 10         | 57.9                     |            |            | •170       | 30                       | 182.5 |       |
|            |            | 10         | 17.9                     |            | 90         | 10         | 29.7                     |            | •95        | 22.5       | 73.6                     |            | 125        | 22.5       | 93.5                     |            | 165        | 12.5       | 68.8                     |            |            | 160        | 35                       | 203.9 |       |
| 90         | 45         | 12.5       | 20.9                     | 150        | 85         | 12.5       | 35.1                     | 190        | 90         | 25         | 79.3                     | 230        | 120        | 25         | 101.2                    | 250        | 160        | 15         | 77.8                     | 280        | •155       | 37.5       | 213.9                    |       |       |
|            |            | 15         | 23.5                     |            | 80         | 15         | 40.3                     |            | 85         | 27.5       | 84.8                     |            | 115        | 27.5       | 108.4                    |            | 160        | 15         | 77.8                     |            |            | •150       | 40                       | 223.6 |       |
|            |            | •75        | 17.5                     |            | 45.2       | 80         | 30                       |            | 89.6       | 110        | 30                       |            | 115.6      | 155        | 17.5                     |            | 87.4       | 145        | 42.5                     |            |            | 232.6      |                          |       |       |
| 95         | •65        | 5          | 11.8                     | 155        | 70         | 20         | 49.6                     | 195        | 75         | 32.5       | 94.4                     | 235        | 110        | 30         | 115.6                    | 255        | 150        | 20         | 97.1                     | 285        | 145        | 42.5       | 232.6                    |       |       |
|            |            | 7.5        | 15.8                     |            | •65        | 22.5       | 53.8                     |            | •70        | 35         | 98.7                     |            | 105        | 32.5       | 122.1                    |            | •145       | 22.5       | 106.6                    |            |            | •140       | 45                       | 241.5 |       |
|            |            | 10         | 19.4                     |            | •60        | 25         | 57.7                     |            | •65        | 37.5       | 104.3                    |            | •100       | 35         | 128.4                    |            | •140       | 25         | 115.5                    |            |            | •135       | 47.5                     | 250.1 |       |
| 100        | 50         | 12.5       | 22.8                     | 160        | •55        | 27.5       | 61.1                     | 200        | •95        | 37.5       | 134.5                    | 240        | •95        | 37.5       | 134.5                    | 260        | 135        | 27.5       | 123.9                    | 290        | •130       | 50         | 258.2                    |       |       |
|            |            | 15         | 25.7                     |            | 150        | •135       | 7.5                      |            | 37         | •90        | 40                       |            | 140        | 135        | 27.5                     |            | 123.9      | 125        | 52.5                     |            |            | 265.7      |                          |       |       |
|            |            | 17.5       | 27.4                     |            | 155        | •130       | 10                       |            | 43.5       | •85        | 42.5                     |            | 145.2      | •130       | 30                       |            | 132.1      |            |                          |            |            |            |                          |       |       |
| 105        | •40        | 17.5       | 27.4                     | 165        | •100       | 7.5        | 26.2                     | 205        | •130       | 10         | 43.5                     | 245        | 80         | 45         | 150.2                    | 265        | •125       | 32.5       | 140.2                    | 295        | •240       | 5          | 57.9                     |       |       |
|            |            | 7.5        | 26.2                     |            | •95        | 10         | 31.2                     |            | 125        | 12.5       | 51.7                     |            | 120        | 35         | 147.7                    |            | •235       | 7.5        | 73.9                     |            |            |            |                          |       |       |
|            |            | 10         | 31.2                     |            | •120       | 15         | 59.3                     |            | 115        | 17.5       | 66.6                     |            | 110        | 40         | 161.9                    |            | •230       | 10         | 89.5                     |            |            |            |                          |       |       |
| 110        | •65        | 7.5        | 16.8                     | 170        | 90         | 12.5       | 37                       | 210        | •120       | 15         | 59.3                     | 250        | •160       | 7.5        | 45.2                     | 270        | 115        | 37.5       | 155.1                    | 300        | •225       | 12.5       | 104.2                    |       |       |
|            |            | 10         | 20.8                     |            | 85         | 15         | 42.5                     |            | 115        | 17.5       | 66.6                     |            | 110        | 40         | 161.9                    |            | 105        | 42.5       | 168.6                    |            |            | •220       | 15                       | 119.1 |       |
|            |            | 12.5       | 24                       |            | 80         | 17.5       | 47.6                     |            | 110        | 20         | 76.7                     |            | 105        | 42.5       | 168.6                    |            | 100        | 45         | 174.8                    |            |            | •215       | 17.5                     | 133.6 |       |
| 115        | 55         | 15         | 27.3                     | 175        | 75         | 20         | 52.5                     | 215        | •105       | 22.5       | 80.4                     | 255        | •150       | 12.5       | 64.6                     | 275        | 105        | 42.5       | 168.6                    | 305        | •210       | 20         | 147.7                    |       |       |
|            |            | 17.5       | 30.1                     |            | 70         | 22.5       | 56.9                     |            | 100        | 25         | 86.8                     |            | 145        | 15         | 72.3                     |            | 100        | 45         | 174.8                    |            |            | •205       | 22.5                     | 160.9 |       |
|            |            | 20         | 32.6                     |            | 65         | 25         | 61                       |            | 95         | 27.5       | 92.9                     |            | 140        | 17.5       | 81.5                     |            | 100        | 45         | 174.8                    |            |            | •200       | 25                       | 174.2 |       |
| 120        | 45         | 20         | 35.3                     | 180        | •60        | 27.5       | 64.9                     | 220        | •90        | 30         | 98.5                     | 260        | •135       | 20         | 90.1                     | 280        | •180       | 10         | 64                       | 310        | •195       | 27.5       | 187.2                    |       |       |
|            |            | 7.5        | 18.1                     |            |            |            |                          |            |            |            |                          |            |            |            |                          |            |            |            |                          |            |            |            |                          |       |       |