

# GEOCONN FAMILY (GEOCONN, GEOCONN-TS, GEOCONN-HT, MO-GT, MO-GT-TS) BLANKING DIMENSIONS

Rev. 7: GEOCONN-HT AND RECUT LENGTH WERE ADDED.

TABLE 1. BD (REGULAR BOX OD & SPECIAL CLEARANCE, Wsc1) FOR GEOCONN & MO-GT

UNIT: INCH

| IPE OD  | WEIGHT | PIN BLANKING DIMENSIONS |                  |                  | COUPLING BOX BLANKING DIMENSIONS, W (REGULAR) |                    |                  | ACCESSORY BOX BLANKING DIMENSIONS, W (REGULAR) |                    |                  | COUPLING BOX BLANKING DIMENSIONS, Wsc1 (SPECIAL CLEARANCE) |                    |                  | ACCESSORY BOX BLANKING DIMENSIONS, Wsc1 (SPECIAL CLEARANCE) |                    |                  | RECUT LENGTH |
|---------|--------|-------------------------|------------------|------------------|-----------------------------------------------|--------------------|------------------|------------------------------------------------|--------------------|------------------|------------------------------------------------------------|--------------------|------------------|-------------------------------------------------------------|--------------------|------------------|--------------|
|         |        | FINISHED PIN OD         | FINISHED PIN ID  | L <sub>p</sub>   | FINISHED BOX OD                               | BOX ID             | L <sub>b</sub>   | FINISHED BOX OD                                | FINISHED BOX ID    | L <sub>b</sub>   | FINISHED BOX OD                                            | BOX ID             | L <sub>b</sub>   | FINISHED BOX OD                                             | FINISHED BOX ID    | L <sub>b</sub>   |              |
|         |        | API TOLERANCE           | + 0.010<br>- N/A | + N/A<br>- 0.000 | API TOLERANCE                                 | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | API TOLERANCE                                  | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + 0.031<br>- 0.016                                         | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + 0.031<br>- 0.016                                          | + 0.008<br>- 0.008 | + N/A<br>- 0.000 |              |
| 4-1/2"  | 10.50  | 4.500                   | 4.052            | 5.500            | 5.250                                         | 4.061              | N/A              | 5.250                                          | 4.097              | 5.500            | 5.000                                                      | 4.061              | N/A              | 5.000                                                       | 4.097              | 5.500            | 3.638        |
|         | 11.60  | 4.500                   | 4.000            |                  | 5.250                                         | 4.061              |                  | 5.250                                          | 4.050              |                  | 5.000                                                      | 4.061              |                  | 5.000                                                       | 4.050              |                  |              |
|         | 12.60  | 4.500                   | 3.958            |                  | 5.250                                         | 4.061              |                  | 5.250                                          | 4.012              |                  | 5.000                                                      | 4.061              |                  | 5.000                                                       | 4.012              |                  |              |
|         | 13.50  | 4.500                   | 3.920            |                  | 5.250                                         | 4.061              |                  | 5.250                                          | 3.978              |                  | 5.000                                                      | 4.061              |                  | 5.000                                                       | 3.978              |                  |              |
|         | 15.10  | 4.500                   | 3.826            |                  | 5.250                                         | 4.061              |                  | 5.250                                          | 3.893              |                  | 5.000                                                      | 4.061              |                  | 5.000                                                       | 3.893              |                  |              |
| 5"      | 15.00  | 5.000                   | 4.408            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.467              |                  | 5.563                                                      | 4.550              |                  | 5.563                                                       | 4.467              |                  | 3.763        |
|         | 18.00  | 5.000                   | 4.276            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.348              |                  | 5.563                                                      | 4.550              |                  | 5.563                                                       | 4.348              |                  |              |
|         | 20.30  | 5.000                   | 4.184            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.266              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 20.80  | 5.000                   | 4.156            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.240              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 21.40  | 5.000                   | 4.126            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.213              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
| 5-1/2"  | 23.20  | 5.000                   | 4.044            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.140              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  | 3.825        |
|         | 24.10  | 5.000                   | 4.000            |                  | 5.800                                         | 4.550              |                  | 5.800                                          | 4.100              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 15.50  | 5.500                   | 4.950            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 5.005              |                  | 6.050                                                      | 5.046              |                  | 6.050                                                       | 5.005              |                  |              |
|         | 17.00  | 5.500                   | 4.892            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 4.953              |                  | 6.050                                                      | 5.046              |                  | 6.050                                                       | 4.953              |                  |              |
|         | 20.00  | 5.500                   | 4.778            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 4.850              |                  | 6.050                                                      | 5.046              |                  | 6.050                                                       | 4.850              |                  |              |
| 6"      | 23.00  | 5.500                   | 4.670            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 4.753              |                  | 6.050                                                      | 5.046              |                  | 6.050                                                       | 4.753              |                  | 3.867        |
|         | 26.00  | 5.500                   | 4.548            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 4.643              |                  | 6.050                                                      | 5.046              |                  | 6.050                                                       | 4.643              |                  |              |
|         | 26.80  | 5.500                   | 4.500            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 4.600              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 29.70  | 5.500                   | 4.376            |                  | 6.300                                         | 5.046              |                  | 6.300                                          | 4.488              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 18.80  | 6.000                   | 5.392            |                  | 6.625                                         | 5.540              |                  | 6.625                                          | 5.453              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
| 6-5/8"  | 22.00  | 6.000                   | 5.240            |                  | 6.625                                         | 5.540              |                  | 6.625                                          | 5.316              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  | 4.013        |
|         | 24.50  | 6.000                   | 5.200            |                  | 6.625                                         | 5.540              |                  | 6.625                                          | 5.280              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 20.00  | 6.625                   | 6.049            |                  | 7.390                                         | 6.159              |                  | 7.390                                          | 6.107              |                  | 7.000                                                      | 6.159              |                  | 7.000                                                       | 6.107              |                  |              |
|         | 24.00  | 6.625                   | 5.921            |                  | 7.390                                         | 6.159              |                  | 7.390                                          | 6.107              |                  | 7.000                                                      | 6.159              |                  | 7.000                                                       | 6.107              |                  |              |
|         | 28.00  | 6.625                   | 5.791            |                  | 7.390                                         | 6.159              |                  | 7.390                                          | 6.107              |                  | 7.000                                                      | 6.159              |                  | 7.000                                                       | 6.107              |                  |              |
| 7"      | 23.00  | 7.000                   | 6.366            |                  | 7.875                                         | 6.522              |                  | 7.875                                          | 6.429              |                  | 7.656                                                      | 6.522              |                  | 7.656                                                       | 6.429              |                  | 4.200        |
|         | 26.00  | 7.000                   | 6.276            |                  | 7.875                                         | 6.522              |                  | 7.875                                          | 6.348              |                  | 7.656                                                      | 6.522              |                  | 7.656                                                       | 6.348              |                  |              |
|         | 29.00  | 7.000                   | 6.184            |                  | 7.875                                         | 6.522              |                  | 7.875                                          | 6.266              |                  | 7.656                                                      | 6.522              |                  | 7.656                                                       | 6.266              |                  |              |
|         | 32.00  | 7.000                   | 6.094            |                  | 7.875                                         | 6.522              |                  | 7.875                                          | 6.185              |                  | 7.656                                                      | 6.522              |                  | 7.656                                                       | 6.185              |                  |              |
|         | 35.00  | 7.000                   | 6.004            |                  | 7.875                                         | 6.522              |                  | 7.875                                          | 6.104              |                  | 7.656                                                      | 6.522              |                  | 7.656                                                       | 6.104              |                  |              |
| 7-5/8"  | 38.00  | 7.000                   | 5.920            |                  | 7.875                                         | 6.522              |                  | 7.875                                          | 6.028              |                  | 7.656                                                      | 6.522              |                  | 7.656                                                       | 6.028              |                  | 4.388        |
|         | 26.40  | 7.625                   | 6.969            |                  | 8.500                                         | 7.136              |                  | 8.500                                          | 7.035              |                  | 8.125                                                      | 7.136              |                  | 8.125                                                       | 7.035              |                  |              |
|         | 29.70  | 7.625                   | 6.875            |                  | 8.500                                         | 7.136              |                  | 8.500                                          | 6.950              |                  | 8.125                                                      | 7.136              |                  | 8.125                                                       | 6.950              |                  |              |
|         | 33.70  | 7.625                   | 6.765            |                  | 8.500                                         | 7.136              |                  | 8.500                                          | 6.851              |                  | 8.125                                                      | 7.136              |                  | 8.125                                                       | 6.851              |                  |              |
|         | 39.00  | 7.625                   | 6.625            |                  | 8.500                                         | 7.136              |                  | 8.500                                          | 6.725              |                  | 8.125                                                      | 7.136              |                  | 8.125                                                       | 6.725              |                  |              |
| 8-5/8"  | 24.00  | 8.625                   | 8.097            |                  | 9.625                                         | 8.126              |                  | 9.625                                          | 8.150              |                  | 9.125                                                      | 8.126              |                  | 9.125                                                       | 8.150              |                  | 4.513        |
|         | 28.00  | 8.625                   | 8.017            |                  | 9.625                                         | 8.126              |                  | 9.625                                          | 8.078              |                  | 9.125                                                      | 8.126              |                  | 9.125                                                       | 8.078              |                  |              |
|         | 32.00  | 8.625                   | 7.921            |                  | 9.625                                         | 8.126              |                  | 9.625                                          | 7.991              |                  | 9.125                                                      | 8.126              |                  | 9.125                                                       | 7.991              |                  |              |
|         | 36.00  | 8.625                   | 7.825            |                  | 9.625                                         | 8.126              |                  | 9.625                                          | 7.905              |                  | 9.125                                                      | 8.126              |                  | 9.125                                                       | 7.905              |                  |              |
|         | 36.00  | 9.625                   | 8.921            |                  | 10.625                                        | 9.125              |                  | 10.625                                         | 8.991              |                  | 10.125                                                     | 9.125              |                  | 10.125                                                      | 8.991              |                  |              |
| 9-5/8"  | 40.00  | 9.625                   | 8.835            |                  | 10.625                                        | 9.125              |                  | 10.625                                         | 8.914              |                  | 10.125                                                     | 9.125              |                  | 10.125                                                      | 8.914              |                  | 4.613        |
|         | 43.50  | 9.625                   | 8.755            |                  | 10.625                                        | 9.125              |                  | 10.625                                         | 8.842              |                  | 10.125                                                     | 9.125              |                  | 10.125                                                      | 8.842              |                  |              |
|         | 47.00  | 9.625                   | 8.681            |                  | 10.625                                        | 9.125              |                  | 10.625                                         | 8.775              |                  | 10.125                                                     | 9.125              |                  | 10.125                                                      | 8.775              |                  |              |
|         | 53.50  | 9.625                   | 8.535            |                  | 10.625                                        | 9.125              |                  | 10.625                                         | 8.644              |                  | 10.125                                                     | 9.125              |                  | 10.125                                                      | 8.644              |                  |              |
|         | 62.80  | 9.875                   | 8.625            |                  | 10.875                                        | 9.371              |                  | 10.875                                         | 8.750              |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
| 10-3/4" | 40.50  | 10.750                  | 10.050           | 6.000            | 11.750                                        | 10.250             | N/A              | 11.750                                         | 10.120             | 6.000            | 11.250                                                     | 10.250             | N/A              | 11.250                                                      | 10.120             | 6.000            | 4.513        |
|         | 45.50  | 10.750                  | 9.950            |                  | 11.750                                        | 10.250             |                  | 11.750                                         | 10.030             |                  | 11.250                                                     | 10.250             |                  | 11.250                                                      | 10.030             |                  |              |
|         | 51.00  | 10.750                  | 9.850            |                  | 11.750                                        | 10.250             |                  | 11.750                                         | 9.940              |                  | 11.250                                                     | 10.250             |                  | 11.250                                                      | 9.940              |                  |              |
|         | 55.50  | 10.750                  | 9.760            |                  | 11.750                                        | 10.250             |                  | 11.750                                         | 9.859              |                  | 11.250                                                     | 10.250             |                  | 11.250                                                      | 9.859              |                  |              |
|         | 60.70  | 10.750                  | 9.660            |                  | 11.750                                        | 10.250             |                  | 11.750                                         | 9.769              |                  | 11.250                                                     | 10.250             |                  | 11.250                                                      | 9.769              |                  |              |
| 11-3/4" | 71.10  | 10.750                  | 9.450            |                  | 11.750                                        | 10.250             |                  | 11.750                                         | 9.580              |                  | 11.250                                                     | 10.250             |                  | 11.250                                                      | 9.580              |                  | 4.613        |
|         | 47.00  | 11.750                  | 11.000           |                  | 12.750                                        | 11.246             |                  | 12.750                                         | 11.075             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 54.00  | 11.750                  | 10.880           |                  | 12.750                                        | 11.246             |                  | 12.750                                         | 10.967             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 60.00  | 11.750                  | 10.772           |                  | 12.750                                        | 11.246             |                  | 12.750                                         | 10.870             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 71.80  | 11.875                  | 10.711           |                  | 12.850                                        | 11.371             |                  | 12.850                                         | 10.827             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
| 13-3/8" | 54.50  | 13.375                  | 12.615           |                  | 14.375                                        | 12.875             |                  | 14.375                                         | 12.691             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  | 4.613        |
|         | 61.00  | 13.375                  | 12.515           |                  | 14.375                                        | 12.875             |                  | 14.375                                         | 12.061             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 68.00  | 13.375                  | 12.415           |                  | 14.375                                        | 12.875             |                  | 14.375                                         | 12.511             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 72.00  | 13.375                  | 12.347           |                  | 14.375                                        | 12.875             |                  | 14.375                                         | 12.450             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 65.00  | 16.000                  | 15.250           |                  | 17.000                                        | 15.451             |                  | 17.000                                         | 15.325             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
| 16"     | 75.00  | 16.000                  | 15.124           |                  | 17.000                                        | 15.451             |                  | 17.000                                         | 15.212             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 84.00  | 16.000                  | 15.010           |                  | 17.000                                        | 15.451             |                  | 17.000                                         | 15.109             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 94.50  | 16.000                  | 14.876           |                  | 17.000                                        | 15.451             |                  | 17.000                                         | 14.988             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |
|         | 109.00 | 16.000                  | 14.688           |                  | 17.000                                        | 15.451             |                  | 17.000                                         | 14.819             |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |              |

|         |        |        |        |  |        |        |  |        |        |  |     |     |  |     |     |  |       |
|---------|--------|--------|--------|--|--------|--------|--|--------|--------|--|-----|-----|--|-----|-----|--|-------|
| 18-5/8" | 87.50  | 18.625 | 17.755 |  | 20.000 | 18.074 |  | 20.000 | 17.842 |  | N/A | N/A |  | N/A | N/A |  | 4.613 |
|         | 94.50  | 18.625 | 17.689 |  | 20.000 | 18.074 |  | 20.000 | 17.783 |  | N/A | N/A |  | N/A | N/A |  |       |
|         | 112.00 | 18.625 | 17.467 |  | 20.000 | 18.074 |  | 20.000 | 17.583 |  | N/A | N/A |  | N/A | N/A |  |       |
|         | 126.00 | 18.625 | 17.353 |  | 20.000 | 18.074 |  | 20.000 | 17.480 |  | N/A | N/A |  | N/A | N/A |  |       |
| 20"     | 94.00  | 20.000 | 19.124 |  | 21.000 | 19.449 |  | 21.000 | 19.212 |  | N/A | N/A |  | N/A | N/A |  |       |
|         | 106.50 | 20.000 | 19.000 |  | 21.000 | 19.449 |  | 21.000 | 19.100 |  | N/A | N/A |  | N/A | N/A |  |       |
|         | 133.00 | 20.000 | 18.730 |  | 21.000 | 19.449 |  | 21.000 | 18.857 |  | N/A | N/A |  | N/A | N/A |  |       |

TABLE 2. BD (SPECIAL CLEARANCE, Wsc2) FOR GEOCONN & MO-GT

UNIT: INCH

| PIPE OD | WEIGHT | PIN BLANKING DIMENSIONS |                  |                  | COUPLING BOX BLANKING DIMENSIONS, Wsc2 (SPECIAL CLEARANCE) |                    |                  | ACCESSORY BOX BLANKING DIMENSIONS, Wsc2 (SPECIAL CLEARANCE) |                    |                  | RECUT LENGTH     |
|---------|--------|-------------------------|------------------|------------------|------------------------------------------------------------|--------------------|------------------|-------------------------------------------------------------|--------------------|------------------|------------------|
|         |        | FINISHED PIN OD         | FINISHED PIN ID  | L <sub>p</sub>   | FINISHED BOX OD                                            | BOX ID             | L <sub>b</sub>   | FINISHED BOX OD                                             | FINISHED BOX ID    | L <sub>b</sub>   |                  |
|         |        | API TOLERANCE           | + 0.010<br>- N/A | + N/A<br>- 0.000 | + 0.031<br>- 0.016                                         | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + 0.031<br>- 0.016                                          | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + N/A<br>- 0.000 |
| 4-1/2"  | 10.50  | 4.500                   | 4.052            | 5.500            | 4.875                                                      | 4.061              | N/A              | 4.875                                                       | 4.097              | 5.500            | 3.638            |
|         | 11.60  | 4.500                   | 4.000            |                  | 4.875                                                      | 4.061              |                  | 4.875                                                       | 4.050              |                  |                  |
|         | 12.60  | 4.500                   | 3.958            |                  | 4.875                                                      | 4.061              |                  | 4.875                                                       | 4.012              |                  |                  |
|         | 13.50  | 4.500                   | 3.920            |                  | 4.875                                                      | 4.061              |                  | 4.875                                                       | 3.978              |                  |                  |
|         | 15.10  | 4.500                   | 3.826            |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |                  |
| 5"      | 15.00  | 5.000                   | 4.408            |                  | 5.375                                                      | 4.550              |                  | 5.375                                                       | 4.467              |                  | 3.763            |
|         | 18.00  | 5.000                   | 4.276            |                  | 5.375                                                      | 4.550              |                  | 5.375                                                       | 4.348              |                  |                  |
| 5-1/2"  | 15.50  | 5.500                   | 4.950            |                  | 5.875                                                      | 5.046              |                  | 5.875                                                       | 5.005              |                  | 3.825            |
|         | 17.00  | 5.500                   | 4.892            |                  | 5.875                                                      | 5.046              |                  | 5.875                                                       | 4.953              |                  |                  |
|         | 20.00  | 5.500                   | 4.778            |                  | 5.875                                                      | 5.046              |                  | 5.875                                                       | 4.850              |                  |                  |
|         | 23.00  | 5.500                   | 4.670            |                  | N/A                                                        | N/A                |                  | N/A                                                         | N/A                |                  |                  |

TABLE 3. BD (REGULAR BOX OD & SPECIAL CLEARANCE, Wsc1, Wsc2) FOR GEOCONN-TS & MO-GT-TS

UNIT: INCH

| PIPE OD | WEIGHT | PIN BLANKING DIMENSIONS |                  |                  | BOX BLANKING DIMENSIONS, W (REGULAR) |                    |                  | BOX BLANKING DIMENSIONS, Wsc1 (SPECIAL CLEARANCE) |                    |                  | BOX BLANKING DIMENSIONS, Wsc2 (SPECIAL CLEARANCE) |                    |                  | RECUT LENGTH     |
|---------|--------|-------------------------|------------------|------------------|--------------------------------------|--------------------|------------------|---------------------------------------------------|--------------------|------------------|---------------------------------------------------|--------------------|------------------|------------------|
|         |        | FINISHED PIN OD         | FINISHED PIN ID  | L <sub>p</sub>   | FINISHED BOX OD                      | FINISHED BOX ID    | L <sub>b</sub>   | FINISHED BOX OD                                   | FINISHED BOX ID    | L <sub>b</sub>   | FINISHED BOX OD                                   | FINISHED BOX ID    | L <sub>b</sub>   |                  |
|         |        | API TOLERANCE           | + 0.010<br>- N/A | + N/A<br>- 0.000 | API TOLERANCE                        | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + 0.031<br>- 0.016                                | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + 0.031<br>- 0.016                                | + 0.008<br>- 0.008 | + N/A<br>- 0.000 | + N/A<br>- 0.000 |
| 4-1/2"  | 10.50  | 4.500                   | 4.052            | 6.500            | 5.250                                | 4.097              | 6.500            | 5.000                                             | 4.097              | 6.500            | 4.875                                             | 4.097              | 6.500            | 3.638            |
|         | 11.60  | 4.500                   | 4.000            |                  | 5.250                                | 4.050              |                  | 5.000                                             | 4.050              |                  | 4.875                                             | 4.050              |                  |                  |
|         | 12.60  | 4.500                   | 3.958            |                  | 5.250                                | 4.012              |                  | 5.000                                             | 4.012              |                  | 4.875                                             | 4.012              |                  |                  |
|         | 13.50  | 4.500                   | 3.920            |                  | 5.250                                | 3.978              |                  | 5.000                                             | 3.978              |                  | 4.875                                             | 3.978              |                  |                  |
|         | 15.10  | 4.500                   | 3.826            |                  | 5.250                                | 3.893              |                  | 5.000                                             | 3.893              |                  | N/A                                               | N/A                |                  |                  |
| 5"      | 15.00  | 5.000                   | 4.408            |                  | 5.800                                | 4.467              |                  | 5.563                                             | 4.467              |                  | 5.375                                             | 4.467              |                  | 3.763            |
|         | 18.00  | 5.000                   | 4.276            |                  | 5.800                                | 4.348              |                  | 5.563                                             | 4.348              |                  | 5.375                                             | 4.348              |                  |                  |
|         | 20.30  | 5.000                   | 4.184            |                  | 5.800                                | 4.266              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
|         | 20.80  | 5.000                   | 4.156            |                  | 5.800                                | 4.240              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
|         | 21.40  | 5.000                   | 4.126            |                  | 5.800                                | 4.213              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
|         | 23.20  | 5.000                   | 4.044            |                  | 5.800                                | 4.140              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
|         | 24.10  | 5.000                   | 4.000            |                  | 5.800                                | 4.100              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
| 5-1/2"  | 15.50  | 5.500                   | 4.950            |                  | 6.300                                | 5.005              |                  | 6.050                                             | 5.005              |                  | 5.875                                             | 5.005              |                  | 3.825            |
|         | 17.00  | 5.500                   | 4.892            |                  | 6.300                                | 4.953              |                  | 6.050                                             | 4.953              |                  | 5.875                                             | 4.953              |                  |                  |
|         | 20.00  | 5.500                   | 4.778            |                  | 6.300                                | 4.850              |                  | 6.050                                             | 4.850              |                  | 5.875                                             | 4.850              |                  |                  |
|         | 23.00  | 5.500                   | 4.670            |                  | 6.300                                | 4.753              |                  | 6.050                                             | 4.753              |                  | N/A                                               | N/A                |                  |                  |
|         | 26.00  | 5.500                   | 4.548            |                  | 6.300                                | 4.643              |                  | 6.050                                             | 4.643              |                  | N/A                                               | N/A                |                  |                  |
| 6"      | 26.80  | 5.500                   | 4.500            |                  | 6.300                                | 4.600              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  | 3.867            |
|         | 29.70  | 5.500                   | 4.376            |                  | 6.300                                | 4.488              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
|         | 18.80  | 6.000                   | 5.392            |                  | 6.625                                | 5.453              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
| 6-5/8"  | 22.00  | 6.000                   | 5.240            |                  | 6.625                                | 5.316              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  | 4.013            |
|         | 24.50  | 6.000                   | 5.200            |                  | 6.625                                | 5.280              |                  | N/A                                               | N/A                |                  | N/A                                               | N/A                |                  |                  |
| 7"      | 20.00  | 6.625                   | 6.049            |                  | 7.390                                | 6.107              |                  | 7.000                                             | 6.107              |                  | N/A                                               | N/A                |                  | 4.200            |
|         | 23.00  | 7.000                   | 6.366            |                  | 7.875                                | 6.429              |                  | 7.656                                             | 6.429              |                  | N/A                                               | N/A                |                  |                  |
|         | 26.00  | 7.000                   | 6.276            |                  | 7.875                                | 6.348              |                  | 7.656                                             | 6.348              |                  | N/A                                               | N/A                |                  |                  |
|         | 29.00  | 7.000                   | 6.184            |                  | 7.875                                | 6.266              |                  | 7.656                                             | 6.266              |                  | N/A                                               | N/A                |                  |                  |
|         | 32.00  | 7.000                   | 6.094            |                  | 7.875                                | 6.185              |                  | 7.656                                             | 6.185              |                  | N/A                                               | N/A                |                  |                  |
|         | 35.00  | 7.000                   | 6.004            |                  | 7.875                                | 6.104              |                  | 7.656                                             | 6.104              |                  | N/A                                               | N/A                |                  |                  |
|         | 38.00  | 7.000                   | 5.920            |                  | 7.875                                | 6.028              |                  | 7.656                                             | 6.028              |                  | N/A                                               | N/A                |                  |                  |
|         | 26.40  | 7.625                   | 6.969            |                  | 8.500                                | 7.035              |                  | 8.125                                             | 7.035              |                  | N/A                                               | N/A                |                  |                  |
| 7-5/8"  | 29.70  | 7.625                   | 6.875            |                  | 8.500                                | 6.950              |                  | 8.125                                             | 6.950              |                  | N/A                                               | N/A                |                  | 4.388            |
|         | 33.70  | 7.625                   | 6.765            |                  | 8.500                                | 6.851              |                  | 8.125                                             | 6.851              |                  | N/A                                               | N/A                |                  |                  |
|         | 39.00  | 7.625                   | 6.625            |                  | 8.500                                | 6.725              |                  | 8.125                                             | 6.725              |                  | N/A                                               | N/A                |                  |                  |
|         | 24.00  | 8.625                   | 8.097            |                  | 9.625                                | 8.150              |                  | 9.125                                             | 8.150              |                  | N/A                                               | N/A                |                  | 4.513            |
| 8-5/8"  | 28.00  | 8.625                   | 8.017            |                  | 9.625                                | 8.078              |                  | 9.125                                             | 8.078              |                  | N/A                                               | N/A                |                  |                  |
|         | 32.00  | 8.625                   | 7.921            |                  | 9.625                                | 7.991              |                  | 9.125                                             | 7.991              |                  | N/A                                               | N/A                |                  |                  |
|         | 36.00  | 8.625                   | 7.825            |                  | 9.625                                | 7.905              |                  | 9.125                                             | 7.905              |                  | N/A                                               | N/A                |                  |                  |
|         | 36.00  | 9.625                   | 8.921            |                  | 10.625                               | 8.991              |                  | 10.125                                            | 8.991              |                  | N/A                                               | N/A                |                  |                  |
| 9-5/8"  | 40.00  | 9.625                   | 8.835            |                  | 10.625                               | 8.914              |                  | 10.125                                            | 8.914              |                  | N/A                                               | N/A                |                  |                  |
|         | 43.50  | 9.625                   | 8.755            |                  | 10.625                               | 8.842              |                  | 10.125                                            | 8.842              |                  | N/A                                               | N/A                |                  |                  |
|         | 47.00  | 9.625                   | 8.681            |                  | 10.625                               | 8.775              |                  | 10.125                                            | 8.775              |                  | N/A                                               | N/A                |                  |                  |
|         | 53.50  | 9.625                   | 8.535            |                  | 10.625                               | 8.644              |                  | 10.125                                            | 8.644              |                  | N/A                                               | N/A                |                  |                  |

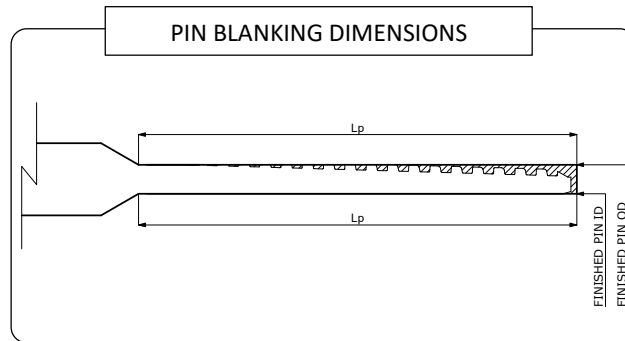
|         |        |        |        |  |        |        |  |        |        |  |     |     |  |       |
|---------|--------|--------|--------|--|--------|--------|--|--------|--------|--|-----|-----|--|-------|
| 10-3/4" | 40.50  | 10.750 | 10.050 |  | 11.750 | 10.120 |  | 11.250 | 10.120 |  | N/A | N/A |  |       |
|         | 45.50  | 10.750 | 9.950  |  | 11.750 | 10.030 |  | 11.250 | 10.030 |  | N/A | N/A |  |       |
|         | 51.00  | 10.750 | 9.850  |  | 11.750 | 9.940  |  | 11.250 | 9.940  |  | N/A | N/A |  |       |
|         | 55.50  | 10.750 | 9.760  |  | 11.750 | 9.859  |  | 11.250 | 9.859  |  | N/A | N/A |  |       |
|         | 60.70  | 10.750 | 9.660  |  | 11.750 | 9.769  |  | 11.250 | 9.769  |  | N/A | N/A |  |       |
|         | 71.10  | 10.750 | 9.450  |  | 11.750 | 9.580  |  | 11.250 | 9.580  |  | N/A | N/A |  |       |
| 13-3/8" | 54.50  | 13.375 | 12.615 |  | 14.375 | 12.691 |  | N/A    | N/A    |  | N/A | N/A |  | 4.513 |
|         | 61.00  | 13.375 | 12.515 |  | 14.375 | 12.061 |  | N/A    | N/A    |  | N/A | N/A |  |       |
|         | 68.00  | 13.375 | 12.415 |  | 14.375 | 12.511 |  | N/A    | N/A    |  | N/A | N/A |  |       |
|         | 72.00  | 13.375 | 12.347 |  | 14.375 | 12.450 |  | N/A    | N/A    |  | N/A | N/A |  |       |
|         | 94.00  | 20.000 | 19.124 |  | 21.000 | 19.212 |  | N/A    | N/A    |  | N/A | N/A |  |       |
|         | 106.50 | 20.000 | 19.000 |  | 21.000 | 19.100 |  | N/A    | N/A    |  | N/A | N/A |  |       |
| 20"     | 133.00 | 20.000 | 18.730 |  | 21.000 | 18.857 |  | N/A    | N/A    |  | N/A | N/A |  | 4.613 |

TABLE 4. BD (REGULAR BOX OD & SPECIAL CLEARANCE, Wsc1) FOR GEOCONN-HT

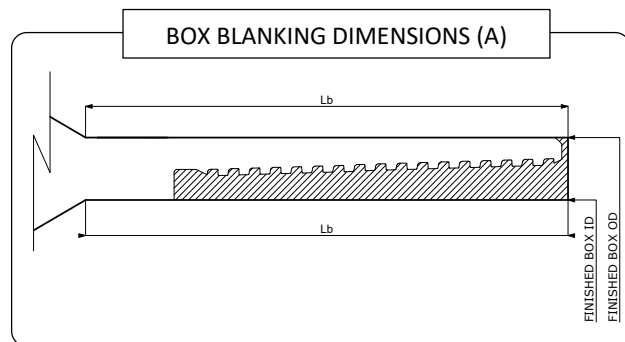
UNIT: INCH

| IPE OD | WEIGHT | PIN BLANKING DIMENSIONS |                 |                | COUPLING BOX BLANKING DIMENSIONS, W (REGULAR) |         |                | ACCESSORY BOX BLANKING DIMENSIONS, W (REGULAR) |                 |                | COUPLING BOX BLANKING DIMENSIONS, Wsc1 (SPECIAL CLEARANCE) |         |                | ACCESSORY BOX BLANKING DIMENSIONS, Wsc1 (SPECIAL CLEARANCE) |                 |                | RECUT LENGTH |
|--------|--------|-------------------------|-----------------|----------------|-----------------------------------------------|---------|----------------|------------------------------------------------|-----------------|----------------|------------------------------------------------------------|---------|----------------|-------------------------------------------------------------|-----------------|----------------|--------------|
|        |        | FINISHED PIN OD         | FINISHED PIN ID | L <sub>p</sub> | FINISHED BOX OD                               | BOX ID  | L <sub>b</sub> | FINISHED BOX OD                                | FINISHED BOX ID | L <sub>b</sub> | FINISHED BOX OD                                            | BOX ID  | L <sub>b</sub> | FINISHED BOX OD                                             | FINISHED BOX ID | L <sub>b</sub> |              |
|        |        | API                     | + 0.010         | + N/A          | API                                           | + 0.008 | + N/A          | API                                            | + 0.008         | + N/A          | + 0.031                                                    | + 0.008 | + N/A          | + 0.031                                                     | + 0.008         | + N/A          |              |
|        |        | TOLERANCE               | - N/A           | - 0.000        | TOLERANCE                                     | - 0.008 | - 0.000        | TOLERANCE                                      | - 0.008         | - 0.000        | - 0.016                                                    | - 0.008 | - 0.000        | - 0.016                                                     | - 0.008         | - 0.000        |              |
| 5-1/2" | 17.00  | 5.500                   | 4.892           | 5.500          | 6.300                                         | 5.046   | N/A            | 6.300                                          | 4.953           | 5.500          | 6.050                                                      | 5.046   | N/A            | 6.050                                                       | 4.953           | 5.500          | 3.825        |
|        | 20.00  | 5.500                   | 4.778           |                | 6.300                                         | 5.046   |                | 6.300                                          | 4.850           |                | 6.050                                                      | 5.046   |                | 6.050                                                       | 4.850           |                |              |

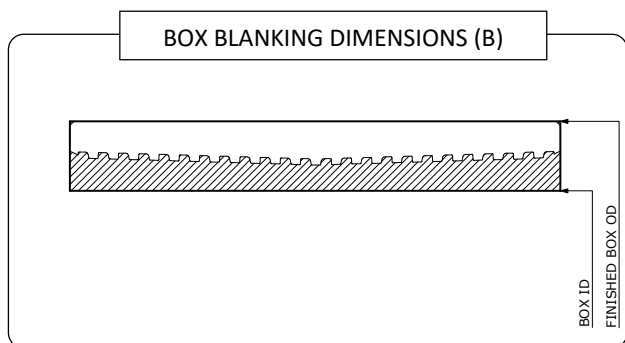
==DEFINITION of BLANKING DIMENSIONS==



a) LENGTH OF  $L_p$  AND  $L_b$  DOES NOT INCLUDE RE-CUT LENGTH.



b) LENGTH OF  $L_p$  AND  $L_b$  DOES NOT INCLUDE RE-CUT LENGTH.  
c) WHEN BOX OD IS TURNED, AIMING OD TOLERANCE IS  $\pm 0.015''$ .



d) ONLY FOR GEOCONN AND MO-GT COUPLING BOX.  
e) LENGTH OF  $L_p$  AND  $L_b$  DOES NOT INCLUDE RE-CUT LENGTH.  
f) WHEN BOX OD IS TURNED, AIMING OD TOLERANCE IS  $\pm 0.015''$ .