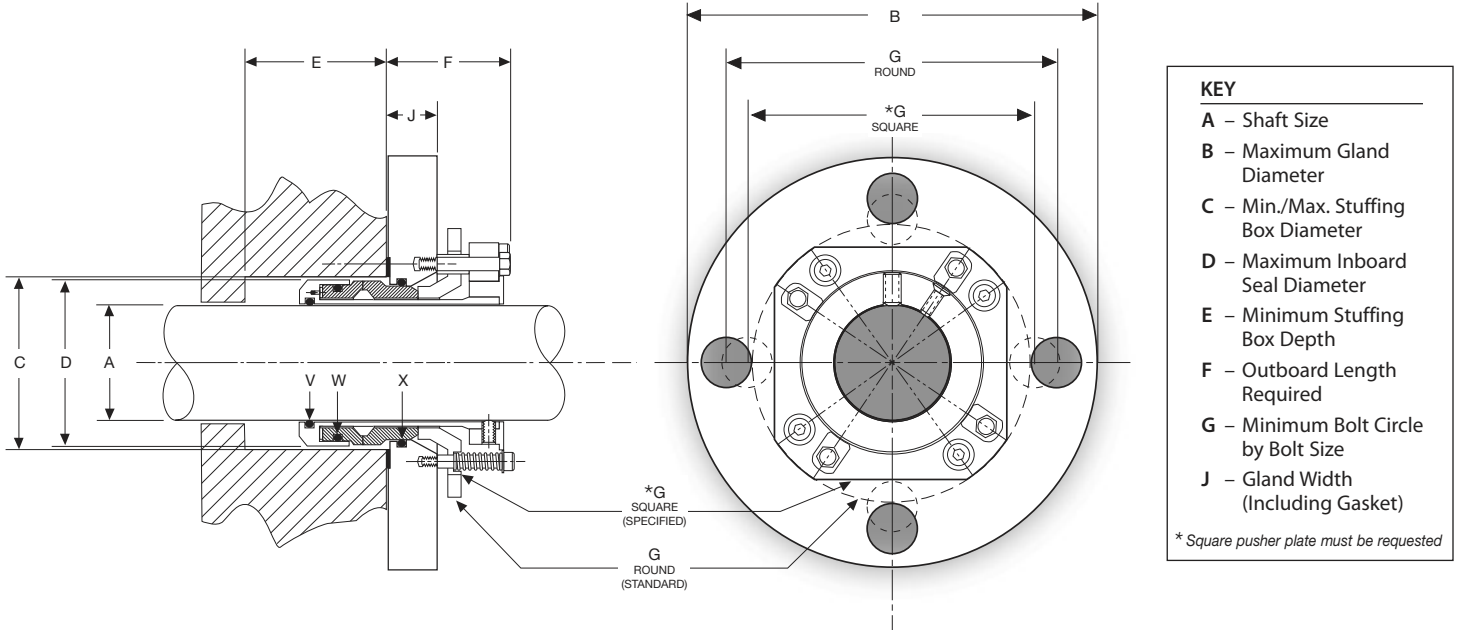


# 170 Slurry Single Cartridge Seal



## DIMENSIONAL DATA (METRIC)

| SHAFT SIZE<br>A | GLAND OD<br>B | STUFFING      |                  | SB DEPTH<br>E | OB LENGTH<br>F | GLAND WIDTH<br>J | BOLT CIRCLE BY BOLT SIZE |                   |                    |                   |                    |                   |                    |                   | O-RINGS    |             |                 |       |       |       |
|-----------------|---------------|---------------|------------------|---------------|----------------|------------------|--------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|------------|-------------|-----------------|-------|-------|-------|
|                 |               | BOX BORE<br>C | IB SEAL DIA<br>D |               |                |                  | SQUARE PUSHER<br>G       | ROUND PUSHER<br>G | SQUARE PUSHER<br>G | ROUND PUSHER<br>G | SQUARE PUSHER<br>G | ROUND PUSHER<br>G | SQUARE PUSHER<br>G | ROUND PUSHER<br>G | SHAFT<br>V | ROTARY<br>W | STATIONARY<br>X |       |       |       |
|                 | MAX           | MIN           | MAX              | MIN           | MAX            | MAX              | G MIN                    |                   |                    |                   |                    |                   |                    |                   |            |             |                 |       |       |       |
| 38 mm           | 139.2         | 62.8          | 60.1             | 34.1          | 49.5           | 22.4             | 10 mm                    | 10 mm             | 12 mm              | 12 mm             | 16 mm              | 16 mm             |                    |                   |            |             | 128.0           | 139.0 | 227.0 |       |
| 40 mm           | 151.9         | 64.7          | 62.0             | 34.1          | 49.5           | 22.4             | 101.3                    | 120.4             | 104.7              | 123.9             |                    |                   |                    |                   |            |             | 129.0           | 140.0 | 228.0 |       |
| 43 mm           | 151.9         | 67.7          | 65.0             | 34.1          | 49.5           | 22.4             | 104.3                    | 123.4             | 107.7              | 126.9             |                    |                   |                    |                   |            |             | 131.0           | 142.0 | 229.0 |       |
| 45 mm           | 164.6         | 69.7          | 67.0             | 34.1          | 49.5           | 22.4             | 106.3                    | 125.4             | 109.7              | 128.9             |                    |                   |                    |                   |            |             | 133.0           | 144.0 | 229.0 |       |
| 48 mm           | 164.6         | 72.7          | 70.0             | 34.1          | 49.5           | 22.4             | 109.3                    | 128.4             | 112.7              | 131.9             |                    |                   |                    |                   |            |             | 136.0           | 146.0 | 230.0 |       |
| 50 mm           | 164.6         | 74.8          | 72.0             | 34.1          | 49.5           | 22.4             | 111.3                    | 130.5             | 114.7              | 133.9             |                    |                   |                    |                   |            |             | 136.0           | 147.0 | 231.0 |       |
| 55 mm           | 177.3         | 79.7          | 77.0             | 34.1          | 49.5           | 22.4             | 116.3                    | 135.4             | 119.7              | 138.9             | 126.6              | 145.8             |                    |                   |            |             | 139.0           | 150.0 | 232.0 |       |
| 60 mm           | 177.3         | 85.1          | 82.3             | 34.1          | 49.5           | 22.4             | 121.6                    | 140.8             | 125.0              | 144.2             | 132.0              | 151.2             |                    |                   |            |             | 142.0           | 152.0 | 234.0 |       |
|                 |               |               |                  |               |                |                  | 12 mm                    | 12 mm             | 16 mm              | 16 mm             | 20 mm              | 20 mm             | 24 mm              | 24 mm             | 30 mm      | 30 mm       |                 |       |       |       |
| 65 mm           | 206.0         | 97.8          | 93.8             | 43.7          | 64.0           | 29.7             | 141.0                    | 170.3             | 148.0              | 177.2             |                    |                   |                    |                   |            |             | 231.0           | 236.0 | 237.0 |       |
| 70 mm           | 209.3         | 101.2         | 97.1             | 43.7          | 64.0           | 29.7             | 144.4                    | 173.6             | 151.3              | 180.5             |                    |                   |                    |                   |            |             | 232.0           | 237.0 | 238.0 |       |
| 75 mm           | 215.5         | 107.4         | 103.3            | 43.7          | 64.0           | 29.7             | 150.6                    | 179.8             | 157.5              | 186.7             |                    |                   |                    |                   |            |             | 234.0           | 239.0 | 240.0 |       |
| 80 mm           | 219.3         | 111.2         | 107.1            | 43.7          | 64.0           | 29.7             | 154.4                    | 183.6             | 161.3              | 190.5             |                    |                   |                    |                   |            |             | 235.0           | 240.0 | 242.0 |       |
| 85 mm           | 225.0         | 116.9         | 112.8            | 43.7          | 64.0           | 29.7             | 160.1                    | 189.3             | 167.0              | 196.2             | 174.0              | 203.2             |                    |                   |            |             | 237.0           | 242.0 | 243.0 |       |
| 90 mm           | 229.3         | 121.2         | 117.1            | 43.7          | 64.0           | 29.7             | 164.4                    | 193.6             | 171.3              | 200.5             | 178.3              | 207.5             |                    |                   |            |             | 239.0           | 243.0 | 245.0 |       |
| 95 mm           | 234.6         | 126.4         | 122.4            | 43.7          | 64.0           | 29.7             | 169.6                    | 198.8             | 176.6              | 205.8             | 183.5              | 212.7             |                    |                   |            |             | 240.0           | 245.0 | 246.0 |       |
| 100 mm          | 234.3         | 147.3         | 141.8            | 43.7          | 76.8           | 36.6             | 176.0                    | 212.3             | 182.9              | 219.2             | 189.9              | 226.2             |                    |                   |            |             | 345.0           | 351.0 | 353.0 |       |
| 110 mm          | 243.8         | 156.8         | 151.3            | 43.7          | 76.8           | 36.6             | 185.5                    | 221.8             | 192.4              | 228.8             | 199.4              | 235.7             |                    |                   |            |             | 348.0           | 364.0 | 356.0 |       |
| 120 mm          | 253.4         | 166.3         | 160.8            | 61.7          | 76.8           | 36.6             | 195.0                    | 231.3             | 202.0              | 238.3             | 208.9              | 245.2             | 215.8              | 252.1             | 227.4      | 263.7       | 351.0           | 357.0 | 359.0 |       |
| 130 mm          | 266.1         | 179.0         | 173.5            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 214.7             | 251.0              | 221.6             | 257.9              | 228.5             | 264.8      | 240.1       | 276.4           | 353.0 | 360.0 | 362.0 |
| 140 mm          | 272.7         | 185.7         | 180.2            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 221.3             | 257.6              | 228.3             | 264.6              | 235.2             | 271.5      | 246.7       | 283.0           | 357.0 | 362.0 | 363.0 |
| 145 mm          | 278.8         | 191.7         | 186.2            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 227.4             | 263.7              | 234.3             | 270.6              | 241.2             | 277.5      | 252.8       | 289.1           | 359.0 | 363.0 | 364.0 |
| 150 mm          | 285.1         | 198.1         | 192.6            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 233.7             | 270.0              | 240.7             | 277.0              | 247.6             | 283.9      | 259.1       | 295.4           | 361.0 | 364.0 | 365.0 |
| 160 mm          | 292.7         | 205.7         | 200.2            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 241.3             | 277.6              | 248.3             | 284.6              | 237.6             | 255.2      | 303.0       | 266.7           | 363.0 | 365.0 | 367.0 |
| 170 mm          | 304.2         | 217.1         | 211.6            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 252.8             | 289.1              | 259.7             | 296.0              | 249.0             | 266.6      | 314.5       | 278.2           | 364.0 | 367.0 | 368.0 |
| 180 mm          | 312.7         | 225.7         | 220.2            | 61.7          | 76.8           | 36.6             |                          |                   |                    | 261.3             | 297.6              | 268.3             | 304.6              | 257.6             | 275.2      | 323.0       | 286.7           | 365.0 | 368.0 | 370.0 |

## DIMENSIONAL DATA (INCHES)

| SHAFT<br>SIZE<br>A | GLAND<br>OD<br>B | STUFFING<br>BOX<br>BORE<br>C | IB SEAL<br>DIA<br>D | O-RINGS          |                   | GLAND<br>WIDTH<br>J | BOLT CIRCLE BY        |                      |                       |                      |                       |                      |                       |                      | BOLT SIZE          |             |                 |
|--------------------|------------------|------------------------------|---------------------|------------------|-------------------|---------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|--------------------|-------------|-----------------|
|                    |                  |                              |                     | SB<br>DEPTH<br>E | OB<br>LENGTH<br>F |                     | SQUARE<br>PUSHER<br>G | ROUND<br>PUSHER<br>G | SQUARE<br>PUSHER<br>G | ROUND<br>PUSHER<br>G | SQUARE<br>PUSHER<br>G | ROUND<br>PUSHER<br>G | SQUARE<br>PUSHER<br>G | ROUND<br>PUSHER<br>G | SHAFT<br>V         | ROTARY<br>W | STATIONARY<br>X |
|                    |                  |                              |                     | MAX              | MIN               |                     | MAX                   | MIN                  | MAX                   | MAX                  | G MIN                 |                      |                       |                      | G MIN<br>SEE BELOW |             |                 |
| 1.500              | 5.48             | 2.47                         | 2.37                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 128                | 139         | 227             |
| 1.625              | 5.98             | 2.60                         | 2.49                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 130                | 141         | 228             |
| 1.750              | 6.48             | 2.72                         | 2.62                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 132                | 143         | 229             |
| 1.875              | 6.48             | 2.85                         | 2.74                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 134                | 145         | 230             |
| 2.000              | 6.48             | 2.97                         | 2.87                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 137                | 148         | 231             |
| 2.125              | 6.98             | 3.10                         | 2.99                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 138                | 149         | 232             |
| 2.250              | 6.98             | 3.22                         | 3.12                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 140                | 151         | 233             |
| 2.375              | 6.98             | 3.35                         | 3.24                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 144                | 152         | 234             |
| 2.500              | 7.48             | 3.47                         | 3.37                | 1.34             | 1.95              | 0.88                | 3/8"                  | 3/8"                 | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 |                       |                      | 145                | 152         | 234             |
|                    |                  |                              |                     |                  |                   |                     | 1/2"                  | 1/2"                 | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                    |             |                 |
| 2.625              | 8.11             | 3.85                         | 3.69                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 231                | 236         | 237             |
| 2.750              | 8.24             | 3.98                         | 3.82                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 232                | 237         | 238             |
| 2.875              | 8.36             | 4.10                         | 3.94                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 233                | 238         | 239             |
| 3.000              | 8.49             | 4.23                         | 4.07                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 234                | 239         | 240             |
| 3.125              | 8.61             | 4.35                         | 4.19                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 235                | 240         | 241             |
| 3.250              | 8.74             | 4.48                         | 4.32                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 236                | 241         | 242             |
| 3.375              | 8.86             | 4.60                         | 4.44                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 237                | 242         | 243             |
| 3.500              | 8.99             | 4.73                         | 4.57                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 238                | 243         | 244             |
| 3.625              | 9.11             | 4.85                         | 4.69                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 329                | 244         | 246             |
| 3.750              | 9.24             | 4.98                         | 4.82                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 240                | 245         | 246             |
| 3.875              | 9.36             | 5.10                         | 4.94                | 1.72             | 2.52              | 1.17                | 5/8"                  | 5/8"                 | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 |                       |                      | 241                | 246         | 247             |
| 4.000              | 9.23             | 5.80                         | 5.58                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 345                | 351         | 353             |
| 4.125              | 9.35             | 5.92                         | 5.71                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 346                | 352         | 354             |
| 4.250              | 9.48             | 6.05                         | 5.83                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 347                | 353         | 355             |
| 4.375              | 9.60             | 6.17                         | 5.96                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 348                | 364         | 357             |
| 4.500              | 9.73             | 6.30                         | 6.08                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 349                | 355         | 357             |
|                    |                  |                              |                     |                  |                   |                     | 3/4"                  | 3/4"                 | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                    |             |                 |
| 4.625              | 9.85             | 6.42                         | 6.21                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 350                | 356         | 358             |
| 4.750              | 9.98             | 6.55                         | 6.33                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 351                | 357         | 359             |
| 5.000              | 10.23            | 6.80                         | 6.58                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 353                | 359         | 361             |
| 5.250              | 10.48            | 7.05                         | 6.83                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 355                | 360         | 362             |
| 5.500              | 10.74            | 7.31                         | 7.09                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 357                | 362         | 363             |
| 5.750              | 10.98            | 7.55                         | 7.33                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 359                | 363         | 364             |
| 6.000              | 11.23            | 7.80                         | 7.58                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 361                | 364         | 365             |
| 6.250              | 11.52            | 8.10                         | 7.88                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 362                | 365         | 367             |
| 6.500              | 11.73            | 8.30                         | 8.08                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 363                | 366         | 367             |
| 6.750              | 11.98            | 8.55                         | 8.33                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 364                | 367         | 368             |
| 7.000              | 12.31            | 8.89                         | 8.67                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 364                | 368         | 370             |
| 7.125              | 12.31            | 8.89                         | 8.67                | 2.43             | 3.05              | 1.44                | 7/8"                  | 7/8"                 | 1"                    | 1"                   | 1 1/8"                | 1 1/8"               |                       |                      | 364                | 368         | 370             |

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. Chesterton Company disclaims all warranties expressed, or implied, including warranties of merchantability and fitness for a particular purpose or use. Liability, if any is limited to product replacement only.



DISTRIBUTED BY:

860 Salem Street  
 Groveland, Massachusetts 01834 USA  
 Telephone: 781-438-7000 • Fax: 978-469-6528  
 www.chesterton.com

© A.W. Chesterton Company, 2008. All rights reserved.  
 ® Registered trademark owned and licensed by  
 A.W. Chesterton Company in USA and other countries.

FORM NO. EN88843 PART B

PRINTED IN USA 12/08