## CSB-090 Metric Cylindrical Bushes



Detail z
ID and OD chamfers

| $\mathrm{S}_{3}$ | $\mathrm{C}_{0}$ | $\mathrm{C}_{\mathrm{i}}$ | $\beta$ |
| :---: | :---: | :---: | :---: |
| 0.35 | $0.5 \pm 0.3$ | $0.25 \pm 0.2$ | $35^{\circ} \pm 5^{\circ}$ |
| 1.00 | $0.6 \pm 0.3$ | $0.30 \pm 0.2$ | $35^{\circ} \pm 5^{\circ}$ |
| 1.50 | $0.7 \pm 0.3$ | $0.50 \pm 0.3$ | $35^{\circ} \pm 5^{\circ}$ |$\quad$| $\mathrm{S}_{3}$ | $\mathrm{C}_{0}$ | $\mathrm{C}_{\mathrm{i}}$ | $\beta$ |
| :---: | :---: | :---: | :---: | :---: |
| 2.00 | $1.2 \pm 0.4$ | $0.50 \pm 0.3$ | $35^{\circ} \pm 5^{\circ}$ |
| 2.50 | $1.8 \pm 0.6$ | $0.60 \pm 0.3$ | $45^{\circ} \pm 5^{\circ}$ |
|  |  |  |  |

Unit:mm

| $\mathrm{D}_{\mathrm{i}}$ | D | $\mathrm{B}_{-0.40}^{0}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 10 | 12 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1010 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1015 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1020 \end{array}$ |  |  |  |  |  |  |  |  |  |  |
| 12 | 14 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1210 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1215 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1220 \end{array}$ |  |  |  |  |  |  |  |  |  |  |
| 14 | 16 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1410 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 1415 \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1420 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1425 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |
| 15 | 17 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ \hline 1510 \end{array}$ | $\left\lvert\, \begin{gathered} \text { CSB-090 } \\ 1515 \end{gathered}\right.$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ \hline 1520 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |
| 16 | 18 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1610 \end{array}$ | $\left\lvert\, \begin{gathered} \text { CSB-090 } \\ 1615 \end{gathered}\right.$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1620 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1625 \end{array}$ |  |  |  |  |  |  |  |  |  |
| 18 | 20 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1810 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1815 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1820 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 1825 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |
| 20 | 23 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2010 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2015 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2020 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2025 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |
| 22 | 25 | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2210 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2215 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2220 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2225 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2230 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |
| 24 | 27 |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2415 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2420 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2425 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2430 \end{array}$ |  |  |  |  |  |  |  |  |
| 25 | 28 |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2515 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2520 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2525 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2530 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |
| 28 | 31 |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2815 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2820 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2825 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 2830 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |
| 30 | 34 |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3015 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3020 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3025 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3030 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3035 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 3040 \\ \hline \end{gathered}$ |  |  |  |  |  |  |
| 32 | 36 |  | $\begin{gathered} \text { CSB-090 } \\ 3215 \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3220 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3225 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3230 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3235 \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 3240 \end{array}$ |  |  |  |  |  |  |
| 35 | 39 |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3515 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3520 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3525 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3530 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 3535 \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 3540 \\ \hline \end{array}$ |  |  |  |  |  |  |
| 40 | 44 |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4020 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4025 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4030 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 4035 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 4040 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 4050 \end{gathered}$ |  |  |  |  |  |
| 45 | 50 |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4520 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4525 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4530 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4535 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4540 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 4550 \end{array}$ |  |  |  |  |  |
| 50 | 55 |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5020 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5025 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5030 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5035 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5040 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5050 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5060 \\ \hline \end{array}$ |  |  |  |  |
| 55 | 60 |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5520 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5525 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5530 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 5535 \end{gathered}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 5540 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5550 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 5560 \\ \hline \end{array}$ |  |  |  |  |
| 60 | 65 |  |  |  | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6025 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 6030 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6035 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6040 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6050 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6060 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6070 \\ \hline \end{array}$ |  |  |  |
| 65 | 70 |  |  |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 6530 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 6535 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 6540 \\ \hline \end{gathered}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 6550 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 6560 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 6570 \\ \hline \end{array}$ |  |  |  |
| 70 | 75 |  |  |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7030 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7035 \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 7040 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7050 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7060 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7070 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7080 \end{array}$ |  |  |
| 75 | 80 |  |  |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7530 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7535 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 7540 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7550 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7560 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7570 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 7580 \\ \hline \end{array}$ |  |  |
| 80 | 85 |  |  |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8030 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8035 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8040 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8050 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8060 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8070 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8080 \\ \hline \end{array}$ |  |  |
| 85 | 90 |  |  |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8530 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8535 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8540 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8550 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8560 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8570 \\ \hline \end{array}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 8580 \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 8590 \\ \hline \end{array}$ |  |
| 90 | 95 |  |  |  |  | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9030 \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 9035 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9040 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9050 \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9060 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9070 \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 9080 \end{array}$ | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 9090 \\ \hline \end{array}$ |  |
| 95 | 100 |  |  |  |  |  |  | $\begin{array}{c\|} \hline \text { CSB-090 } \\ 9540 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9550 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9560 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9570 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { CSB-090 } \\ 9580 \\ \hline \end{array}$ | $\begin{gathered} \text { CSB-090 } \\ 9590 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 95100 \\ \hline \end{gathered}$ |

Unit:mm

| $\mathrm{D}_{\mathrm{i}}$ | D | B ${ }_{-0.40}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 100 | 105 |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 10050 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 10060 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 10070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 10080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 10090 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 100100 \\ \hline \end{gathered}$ |
| 105 | 110 |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ \hline 10550 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 10560 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ \hline 10570 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 10590 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 105100 \\ & \hline \end{aligned}$ |
| 110 | 115 |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 11050 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 11060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 11070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 11080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 11090 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 110100 \\ \hline \end{gathered}$ |
| 115 | 120 |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 11550 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 11560 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 11570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 11580 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 11590 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 115100 \\ \hline \end{gathered}$ |
| 120 | 125 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 12060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 12070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 12080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 12090 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 120100 \\ \hline \end{gathered}$ |
| 125 | 130 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 12560 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 12570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 12580 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 12590 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 125100 \\ \hline \end{gathered}$ |
| 130 | 135 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 13060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 13070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 13080 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 13090 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 130100 \\ \hline \end{gathered}$ |
| 135 | 140 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 13560 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 13570 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 13580 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 13590 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 135100 \\ \hline \end{gathered}$ |
| 140 | 145 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 14060 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 14070 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 14080 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 14090 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 140100 \\ \hline \end{gathered}$ |
| 145 | 150 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 14560 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 14570 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 14580 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 14590 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 145100 \\ \hline \end{gathered}$ |
| 150 | 155 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 15060 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 15070 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 15080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 15090 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 150100 \\ & \hline \end{aligned}$ |
| 155 | 160 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 15590 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 155100 \\ & \hline \end{aligned}$ |
| 160 | 165 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 16060 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 16070 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 16080 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 16090 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 160100 \\ \hline \end{gathered}$ |
| 165 | 170 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 16570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 165100 \\ & \hline \end{aligned}$ |
| 170 | 175 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 17060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 17070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 17080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 17090 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 170100 \\ & \hline \end{aligned}$ |
| 175 | 180 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 17560 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 17570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 17580 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 175100 \\ & \hline \end{aligned}$ |
| 180 | 185 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 18060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 18070 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 18080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 18090 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 180100 \\ & \hline \end{aligned}$ |
| 185 | 190 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ 18560 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 18570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 18580 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 18590 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 185100 \\ & \hline \end{aligned}$ |
| 190 | 195 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 19070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 19080 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 19090 \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 190100 \\ & \hline \end{aligned}$ |
| 195 | 200 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 19590 \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 195100 \\ & \hline \end{aligned}$ |
| 200 | 205 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 20070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 20080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 20090 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 200100 \\ & \hline \end{aligned}$ |
| 205 | 210 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 20570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 20580 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 20590 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CSB-090 } \\ & 205100 \\ & \hline \end{aligned}$ |
| 215 | 220 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 21570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 21580 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 21590 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 215100 \\ & \hline \end{aligned}$ |
| 225 | 230 |  |  |  |  |  | $\begin{gathered} \text { CSB-090 } \\ \hline 22560 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 22570 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 22590 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 225100 \\ \hline \end{gathered}$ |
| 230 | 235 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 23060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 23070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 23080 \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 23090 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 230100 \\ \hline \end{gathered}$ |
| 240 | 245 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 24060 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 24070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 24080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 24090 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 240100 \\ \hline \end{gathered}$ |
| 250 | 255 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 25060 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 25070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 25080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 25090 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 250100 \\ \hline \end{gathered}$ |
| 260 | 265 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 26070 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 26080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 26090 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 260100 \\ \hline \end{gathered}$ |
| 270 | 275 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 27060 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 27070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 27080 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 27090 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 270100 \\ & \hline \end{aligned}$ |
| 280 | 285 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 28060 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 28070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 28080 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 28090 \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 280100 \\ & \hline \end{aligned}$ |
| 290 | 295 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ 29060 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 29070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 29080 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 29090 \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-090 } \\ & 290100 \\ & \hline \end{aligned}$ |
| 300 | 305 |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-090 } \\ \hline 00060 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 30070 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-090 } \\ 30080 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 30090 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-090 } \\ 300100 \\ \hline \end{gathered}$ |

## CSB-B90 Metric Flange Bushes



| $\mathrm{D}_{\mathrm{i}}$ | D | $\mathrm{Dff}_{\text {f }}$ | $\mathrm{B}_{-0.40}^{0}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 | 90 |
| 25 | 28 | 35 | $\begin{gathered} \hline \text { CSB-B90 } \\ 25150 \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-B90 } \\ & 25200 \end{aligned}$ | $\begin{aligned} & \hline \text { CSB-B90 } \\ & 25250 \end{aligned}$ |  |  |  |  |  |  |  |  |
| 30 | 34 | 45 |  | $\begin{gathered} \text { CSB-B90 } \\ 30200 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 30250 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 30300 \\ \hline \end{gathered}$ |  |  |  |  |  |  |  |
| 35 | 39 | 50 |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 35200 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 35250 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 35300 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 35350 \end{gathered}$ |  |  |  |  |  |  |
| 40 | 44 | 55 |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 40250 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 40300 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 40350 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 40400 \\ \hline \end{gathered}$ |  |  |  |  |  |
| 45 | 50 | 60 |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 45300 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 45350 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 45400 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 45500 \\ \hline \end{gathered}$ |  |  |  |  |
| 50 | 55 | 65 |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 50300 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 50350 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 50400 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 50500 \\ \hline \end{gathered}$ |  |  |  |  |
| 55 | 60 | 70 |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 55300 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 55350 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 55400 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 55500 \\ \hline \end{gathered}$ |  |  |  |  |
| 60 | 65 | 75 |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 60300 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 60350 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 60400 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 60500 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 60600 \\ \hline \end{gathered}$ |  |  |  |
| 65 | 70 | 80 |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 65300 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 65350 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 65400 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 65500 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 65600 \end{gathered}$ |  |  |  |
| 70 | 75 | 85 |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 70350 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 70400 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 70500 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 70600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 70700 \end{gathered}$ |  |  |
| 75 | 80 | 90 |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 75350 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 75400 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 75500 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 75600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 75700 \end{gathered}$ |  |  |
| 80 | 85 | 100 |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 80350 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 80400 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 80500 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 80600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 80700 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 80800 \end{gathered}$ |  |
| 90 | 95 | 110 |  |  |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 90500 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 90600 \end{gathered}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 90700 \end{aligned}$ | $\begin{gathered} \text { CSB-B90 } \\ 90800 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 90900 \end{gathered}$ |
| 100 | 105 | 120 |  |  |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 100500 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 100600 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 100700 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 100800 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 100900 \\ \hline \end{gathered}$ |
| 110 | 115 | 130 |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 110500 \end{gathered}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 110600 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 110700 \end{aligned}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 110800 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 110900 \end{gathered}$ |
| 120 | 125 | 140 |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 120500 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 120600 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 120700 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 120800 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 120900 \end{gathered}$ |
| 130 | 135 | 155 |  |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 130600 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 130700 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 130800 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 130900 \\ \hline \end{gathered}$ |
| 140 | 145 | 165 |  |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 140600 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 140700 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 140800 \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 140900 \end{gathered}$ |
| 150 | 155 | 180 |  |  |  |  |  |  |  | $\begin{aligned} & \text { CSB-B90 } \\ & 150600 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 150700 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 150800 \end{aligned}$ | $\begin{gathered} \text { CSB-B90 } \\ 150900 \end{gathered}$ |
| 160 | 165 | 190 |  |  |  |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 160600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 160700 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 160800 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 160900 \end{gathered}$ |
| 170 | 175 | 200 |  |  |  |  |  |  |  | $\begin{aligned} & \text { CSB-B90 } \\ & 170600 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 170700 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 170800 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 170900 \end{aligned}$ |
| 180 | 185 | 215 |  |  |  |  |  |  |  | $\begin{aligned} & \text { CSB-B90 } \\ & 180600 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 180700 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 180800 \end{aligned}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 180900 \end{aligned}$ |
| 190 | 195 | 225 |  |  |  |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 190600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 190700 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 190800 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 190900 \end{gathered}$ |
| 200 | 205 | 235 |  |  |  |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 200600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 200700 \end{gathered}$ | $\begin{aligned} & \text { CSB-B90 } \\ & 200800 \end{aligned}$ | $\begin{gathered} \text { CSB-B90 } \\ 200900 \end{gathered}$ |
| 225 | 230 | 260 |  |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 225600 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 225700 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 225800 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 225900 \\ \hline \end{gathered}$ |
| 250 | 255 | 290 |  |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 250600 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 250700 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 250800 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 250900 \\ \hline \end{gathered}$ |
| 265 | 270 | 305 |  |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 265600 \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 265700 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 265800 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 265900 \\ \hline \end{gathered}$ |
| 285 | 290 | 325 |  |  |  |  |  |  |  | $\begin{gathered} \hline \text { CSB-B90 } \\ 285600 \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-B90 } \\ & 285700 \end{aligned}$ | $\begin{gathered} \hline \text { CSB-B90 } \\ 285800 \end{gathered}$ | $\begin{aligned} & \hline \text { CSB-B90 } \\ & 285900 \end{aligned}$ |
| 300 | 305 | 340 |  |  |  |  |  |  |  | $\begin{gathered} \text { CSB-B90 } \\ 300600 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 300700 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 300800 \\ \hline \end{gathered}$ | $\begin{gathered} \text { CSB-B90 } \\ 300900 \\ \hline \end{gathered}$ |

## CSB-090 Bronze Wrapped Bushes

## Chemical composition

| Material type | $\mathrm{Cu} \%$ | $\mathrm{Sn} \%$ | $\mathrm{P} \%$ | $\mathrm{~Pb} \%$ | $\mathrm{Zn} \%$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CSB-090 | 91.3 | 8.5 | 0.2 | $/$ | $/$ |

Bushes tolerance
Unit:mm

| I.D. | $10<\mathrm{d} \leqslant 18$ | $18<\mathrm{d} \leqslant 30$ | $30<\mathrm{d} \leqslant 50$ | $50<\mathrm{d} \leqslant 80$ | $80<\mathrm{d} \leqslant 120$ | $120<\mathrm{d} \leqslant 180$ | $180<\mathrm{d} \leqslant 250$ | $250<\mathrm{d} \leqslant 300$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| O.D. <br> tolerance | +0.065 |  |  |  |  |  |  |  |
| +0.030 | +0.075 | +0.035 | +0.045 | +0.100 | +0.120 | +0.170 | +0.210 | +0.260 |
| +0.055 | +0.070 | +0.100 | +0.130 | +0.170 |  |  |  |  |
| Installed <br> I.D.H9 | +0.043 <br> 0 | +0.052 <br> 0 | +0.062 <br> 0 | +0.074 <br> 0 | +0.087 <br> 0 | +0.100 <br> 0 | +0.115 <br> 0 | +0.130 <br> 0 |

Housing: H7, Shaft: d7

## Oil pocket type

Inside Dia. $<\boldsymbol{\phi} \mathbf{2 2}$


Inside Dia. $\geqslant \phi 22$


