


| Part Number |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stainless | Aluminum | ID <br> ID | +.005 <br> OD | Thickness <br> (TH) |  |
| BS12-1 | --- | .07981 | .164 | .002 | $\pm .0005$ |
| BS12-2 | --- | .07981 | .164 | .004 | $\pm .0005$ |
| BS12-3 | --- | .07981 | .164 | .006 | $\pm .0005$ |
| BS12-4 | --- | .07981 | .164 | .008 | $\pm .0005$ |
| BS12-5 | --- | .07981 | .164 | .010 | $\pm .001$ |
| BS12-6 | --- | .07981 | .164 | .012 | $\pm .001$ |
| BS12-7 | --- | .07981 | .164 | .014 | $\pm .001$ |
| BS12-8 | --- | .07981 | .164 | .016 | $\pm .001$ |
| BS13-1 | --- | .0938 | .203 | .002 | $\pm .0005$ |
| BS13-2 | --- | .0938 | .203 | .004 | $\pm .0005$ |
| BS13-3 | --- | .0938 | .203 | .006 | $\pm .0005$ |
| BS13-4 | --- | .0938 | .203 | .008 | $\pm .0005$ |
| BS13-5 | --- | .0938 | .203 | .010 | $\pm .001$ |
| BS13-6 | --- | .0938 | .203 | .012 | $\pm .001$ |
| BS13-7 | --- | .0938 | .203 | .014 | $\pm .001$ |
| BS13-8 | --- | .0938 | .203 | .016 | $\pm .001$ |
| BS14-1 | --- | .1250 | .187 | .002 | $\pm .0005$ |
| BS14-2 | --- | .1250 | .187 | .004 | $\pm .0005$ |
| BS14-3 | --- | .1250 | .187 | .006 | $\pm .0005$ |
| BS14-4 | --- | .1250 | .187 | .008 | $\pm .0005$ |
| BS14-5 | --- | .1250 | .187 | .010 | $\pm .001$ |
| BS14-6 | --- | .1250 | .187 | .012 | $\pm .001$ |
| BS14-7 | --- | .1250 | .187 | .014 | $\pm .001$ |
| BS14-8 | --- | .1250 | .187 | .016 | $\pm .001$ |
| BS14-9 | BS14-9A | .1250 | .187 | .031 | $\pm .002$ |
| BS14-10 | BS14-10A | .1250 | .187 | .063 | $\pm .002$ |
| BS14-11 | BS14-11A | .1250 | .187 | .094 | $\pm .002$ |
| BS14-12 | BS14-12A | .1250 | .187 | .125 | $\pm .002$ |
| BS14-13 | BS14-13A | .1250 | .187 | .188 | $\pm .002$ |
| BS14-14 | BS14-14A | .1250 | .187 | .250 | $\pm .002$ |
| BS14-15 | BS14-15A | .1250 | .187 | .375 | $\pm .002$ |
| BS14-16 | BS14-16A | .1250 | .187 | .500 | $\pm .002$ |


| Part Number |  | $\begin{aligned} & +.005 \\ & \text { ID } \end{aligned}$ | $\begin{gathered} \pm .005 \\ \text { OD } \end{gathered}$ | Thickness (TH) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stainless | Aluminum |  |  |  |  |
| BS15-1 | --- | . 1875 | . 250 | . 002 | $\pm .0005$ |
| BS15-2 | --- | . 1875 | . 250 | . 004 | $\pm .0005$ |
| BS15-3 | --- | . 1875 | . 250 | . 006 | $\pm .0005$ |
| BS15-4 | --- | . 1875 | . 250 | . 008 | $\pm .0005$ |
| BS15-5 | --- | . 1875 | . 250 | . 010 | $\pm .001$ |
| BS15-6 | --- | . 1875 | . 250 | . 012 | $\pm .001$ |
| BS15-7 | --- | . 1875 | . 250 | . 014 | $\pm .001$ |
| BS15-8 | --- | . 1875 | . 250 | . 016 | $\pm .001$ |
| BS15-9 | BS15-9A | . 1875 | . 250 | . 031 | $\pm .002$ |
| BS15-10 | BS15-10A | . 1875 | . 250 | . 063 | $\pm .002$ |
| BS15-11 | BS15-11A | . 1875 | . 250 | . 094 | $\pm .002$ |
| BS15-12 | BS15-12A | . 1875 | . 250 | . 125 | $\pm .002$ |
| BS15-13 | BS15-13A | . 1875 | . 250 | . 188 | $\pm .002$ |
| BS15-14 | BS15-14A | . 1875 | . 250 | . 250 | $\pm .002$ |
| BS15-15 | BS15-15A | . 1875 | . 250 | . 375 | $\pm .002$ |
| BS15-16 | BS15-16A | . 1875 | . 250 | . 500 | $\pm .002$ |
| BS16-1 | --- | . 2500 | . 375 | . 002 | $\pm .0005$ |
| BS16-2 | --- | . 2500 | . 375 | . 004 | $\pm .0005$ |
| BS16-3 | --- | . 2500 | . 375 | . 006 | $\pm .0005$ |
| BS16-4 | --- | . 2500 | . 375 | . 008 | $\pm .0005$ |
| BS16-5 | --- | . 2500 | . 375 | . 010 | $\pm .001$ |
| BS16-6 | --- | . 2500 | . 375 | . 012 | $\pm .001$ |
| BS16-7 | --- | . 2500 | . 375 | . 014 | $\pm .001$ |
| BS16-8 | --- | . 2500 | . 375 | . 016 | $\pm .001$ |
| BS16-9 | BS16-9A | . 2500 | . 375 | . 031 | $\pm .002$ |
| BS16-10 | BS16-10A | . 2500 | . 375 | . 063 | $\pm .002$ |
| BS16-11 | BS16-11A | . 2500 | . 375 | . 094 | $\pm .002$ |
| BS16-12 | BS16-12A | . 2500 | . 375 | . 125 | $\pm .002$ |
| BS16-13 | BS16-13A | . 2500 | . 375 | . 188 | $\pm .002$ |
| BS16-14 | BS16-14A | . 2500 | . 375 | . 250 | $\pm .002$ |
| BS16-15 | BS16-15A | . 2500 | . 375 | . 375 | $\pm .002$ |
| BS16-16 | BS16-16A | . 2500 | . 375 | . 500 | $\pm .002$ |

 303 Stainless Steel and Anodized Aluminum

| Part Number |  | $\begin{aligned} & +.005 \\ & \text { ID } \end{aligned}$ | $\begin{gathered} \pm .005 \\ \text { OD } \end{gathered}$ | Thickness (TH) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stainless | Aluminum |  |  |  |  |
| BS17-1 | --- | . 313 | . 5000 | . 002 | $\pm .0005$ |
| BS17-2 | --- | . 313 | . 5000 | . 004 | $\pm .0005$ |
| BS17-3 | --- | . 313 | . 5000 | . 006 | $\pm .0005$ |
| BS17-4 | --- | . 313 | . 5000 | . 008 | $\pm .0005$ |
| BS17-5 | --- | . 313 | . 5000 | . 010 | $\pm .001$ |
| BS17-6 |  | . 313 | . 5000 | . 012 | $\pm .001$ |
| BS17-7 | --- | . 313 | . 5000 | . 014 | $\pm .001$ |
| BS17-8 | --- | . 313 | . 5000 | . 016 | $\pm .001$ |
| BS17-9 | BS17-9A | . 313 | . 5000 | . 031 | $\pm .002$ |
| BS17-10 | BS17-10A | . 313 | . 5000 | . 063 | $\pm .002$ |
| BS17-11 | BS17-11A | . 313 | . 5000 | . 094 | $\pm .002$ |
| BS17-12 | BS17-12A | . 313 | . 5000 | . 125 | $\pm .002$ |
| BS17-13 | BS17-13A | . 313 | . 5000 | . 188 | $\pm .002$ |
| BS17-14 | BS17-14A | . 313 | . 5000 | . 250 | $\pm .002$ |
| BS17-15 | BS17-15A | . 313 | . 5000 | . 375 | $\pm .002$ |
| BS17-16 | BS17-16A | . 313 | . 5000 | . 500 | $\pm .002$ |
| BS18-1 | --- | . 375 | . 5625 | . 002 | $\pm .0005$ |
| BS18-2 | --- | . 375 | . 5625 | . 004 | $\pm .0005$ |
| BS18-3 | --- | . 375 | . 5625 | . 006 | $\pm .0005$ |
| BS18-4 | --- | . 375 | . 5625 | . 008 | $\pm .0005$ |
| BS18-5 | --- | . 375 | . 5625 | . 010 | $\pm .001$ |
| BS18-6 | --- | . 375 | . 5625 | . 012 | $\pm .001$ |
| BS18-7 | --- | . 375 | . 5625 | . 014 | $\pm .001$ |
| BS18-8 | --- | . 375 | . 5625 | . 016 | $\pm .001$ |
| BS18-9 | BS18-9A | . 375 | . 5625 | . 031 | $\pm .002$ |
| BS 18-10 | BS 18-10A | . 375 | . 5625 | . 063 | $\pm .002$ |
| BS18-11 | BS 18 -11A | . 375 | . 5625 | . 094 | $\pm .002$ |
| BS18-12 | BS18-12A | . 375 | . 5625 | . 125 | $\pm .002$ |
| BS18-13 | BS18-13A | . 375 | . 5625 | . 188 | $\pm .002$ |
| BS18-14 | BS 18-14A | . 375 | . 5625 | . 250 | $\pm .002$ |
| BS18-15 | BS 18-15A | . 375 | . 5625 | . 375 | $\pm .002$ |
| BS18-16 | BS 18-16A | . 375 | . 5625 | . 500 | $\pm .002$ |


| Part Number |  | $\begin{aligned} & +.005 \\ & \text { ID } \end{aligned}$ | $\begin{gathered} \pm .005 \\ \text { OD } \end{gathered}$ | Thickness (TH) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stainless | Aluminum |  |  |  |  |
| BS19-1 | --- | . 500 | . 7500 | . 002 | $\pm .0005$ |
| BS19-2 | --- | . 500 | . 7500 | . 004 | $\pm .0005$ |
| BS19-3 | --- | . 500 | . 7500 | . 006 | $\pm .0005$ |
| BS19-4 | --- | . 500 | . 7500 | . 008 | $\pm .0005$ |
| BS19-5 | --- | . 500 | . 7500 | . 010 | $\pm .001$ |
| BS19-6 | --- | . 500 | . 7500 | . 012 | $\pm .001$ |
| BS19-7 | --- | . 500 | . 7500 | . 014 | $\pm .001$ |
| BS19-8 | --- | . 500 | . 7500 | . 016 | $\pm .001$ |
| BS19-9 | BS19-9A | . 500 | . 7500 | . 031 | $\pm .002$ |
| BS19-10 | BS19-10A | . 500 | . 7500 | . 063 | $\pm .002$ |
| BS 19-11 | BS 19-11A | . 500 | . 7500 | . 094 | $\pm .002$ |
| BS19-12 | BS19-12A | . 500 | . 7500 | . 125 | $\pm .002$ |
| BS19-13 | BS19-13A | . 500 | . 7500 | . 188 | $\pm .002$ |
| BS19-14 | BS19-14A | . 500 | . 7500 | . 250 | $\pm .002$ |
| BS19-15 | BS 19-15A | . 500 | . 7500 | . 375 | $\pm .002$ |
| BS19-16 | BS19-16A | . 500 | . 7500 | . 500 | $\pm .002$ |
| BS40-2 | --- | . 625 | . 8750 | . 004 | $\pm .0005$ |
| BS40-3 | --- | . 625 | . 8750 | . 006 | $\pm .002$ |
| BS40-8 | --- | . 625 | . 8750 | . 015 | $\pm .002$ |
| BS40-9 | --- | . 625 | . 8750 | . 030 | $\pm .002$ |
| BS40-10 | --- | . 625 | . 8750 | . 062 | $\pm .0035$ |
| BS41-2 | --- | . 750 | 1.000 | . 004 | $\pm .0005$ |
| BS41-3 | --- | . 750 | 1.000 | . 006 | $\pm .002$ |
| BS41-8 | --- | . 750 | 1.000 | . 015 | $\pm .002$ |
| BS41-9 | --- | . 750 | 1.000 | . 030 | $\pm .002$ |
| BS41-10 | --- | . 750 | 1.000 | . 062 | $\pm .0035$ |
| BS42-8 | --- | 1.000 | 1.250 | . 015 | $\pm .002$ |
| BS42-9 | --- | 1.000 | 1.250 | . 030 | $\pm .002$ |
| BS42-10 | --- | 1.000 | 1.250 | . 062 | $\pm .0035$ |


| BS | CMPPON ENTS |  |
| :---: | :---: | :---: |
|  | Precision Shaft Spacers <br> Outer Race Ball Bearing Shims | BS |


| Part Number |  | $\begin{aligned} & +.005 \\ & \text { ID } \end{aligned}$ | $\begin{gathered} -.005 \\ \text { OD } \end{gathered}$ | Thickness (TH) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stainless | Aluminum |  |  |  |  |
| BS1-1 | --- | . 088 | . 153 | . 003 | $\pm .0005$ |
| BS1-2 | --- | . 088 | . 153 | . 005 | $\pm .0005$ |
| BS1-3 | --- | . 088 | . 153 | . 007 | $\pm .0005$ |
| BS1-4 | --- | . 088 | . 153 | . 010 | $\pm .001$ |
| BS1-6 | --- | . 088 | . 153 | . 020 | $\pm .001$ |
| BS2-1 | --- | . 123 | . 178 | . 003 | $\pm .0005$ |
| BS2-2 | --- | . 123 | . 178 | . 005 | $\pm .0005$ |
| BS2-3 | --- | . 123 | . 178 | . 007 | $\pm .0005$ |
| BS2-4 | --- | . 123 | . 178 | . 010 | $\pm .001$ |
| BS2-6 | --- | . 123 | . 178 | . 020 | $\pm .001$ |
| BS3-1 | --- | . 167 | . 248 | . 003 | $\pm .0005$ |
| BS3-2 | --- | . 167 | . 248 | . 005 | $\pm .0005$ |
| BS3-3 | --- | . 167 | . 248 | . 007 | $\pm .0005$ |
| BS3-4 | --- | . 167 | . 248 | . 010 | $\pm .001$ |
| BS3-6 | --- | . 167 | . 248 | . 020 | $\pm .001$ |
| BS4-1 | --- | . 206 | . 310 | . 003 | $\pm .0005$ |
| BS4-3 | --- | . 206 | . 310 | . 007 | $\pm .0005$ |
| BS4-4 | --- | . 206 | . 310 | . 010 | $\pm .001$ |
| BS4-6 | --- | . 206 | . 310 | . 020 | $\pm .001$ |
| BS5-1 | --- | . 253 | . 373 | . 003 | $\pm .0005$ |
| BS5-2 | --- | . 253 | . 373 | . 005 | $\pm .0005$ |
| BS5-3 | --- | . 253 | . 373 | . 007 | $\pm .0005$ |
| BS5-4 | --- | . 253 | . 373 | . 010 | $\pm .001$ |
| BS5-6 | --- | . 253 | . 373 | . 020 | $\pm .001$ |
| BS5-7 | BS5-7A | . 253 | . 373 | . 031 | $\pm .002$ |
| BS5-8 | BS5-8A | . 253 | . 373 | . 063 | $\pm .002$ |
| BS5-9 | BS5-9A | . 253 | . 373 | . 125 | $\pm .002$ |
| BS5-10 | BS5-10A | . 253 | . 373 | . 250 | $\pm .002$ |
| BS5-11 | BS5-11A | . 253 | . 373 | . 375 | $\pm .002$ |
| BS5-12 | BS5-12A | . 253 | . 373 | . 500 | $\pm .002$ |
| BS22-1 | --- | . 265 | . 373 | . 001 | $\pm .0005$ |
| BS22-2 | --- | . 265 | . 373 | . 003 | $\pm .0005$ |
| BS22-3 | --- | . 265 | . 373 | . 005 | $\pm .0005$ |
| BS22-4 | --- | . 265 | . 373 | . 006 | $\pm .0005$ |
| BS22-5 | --- | . 265 | . 373 | . 007 | $\pm .0005$ |
| BS22-6 | --- | . 265 | . 373 | . 008 | $\pm .001$ |
| BS22-7 | --- | . 265 | . 373 | . 009 | $\pm .001$ |
| BS22-8 | --- | . 265 | . 373 | . 010 | $\pm .001$ |
| BS22-9 | --- | . 265 | . 373 | . 011 | $\pm .001$ |
| BS22-10 | --- | . 265 | . 373 | . 012 | $\pm .001$ |
| BS21-1 | --- | . 315 | . 437 | . 002 | $\pm .0005$ |
| BS21-2 | --- | . 315 | . 437 | . 003 | $\pm .0005$ |
| BS21-3 | --- | . 315 | . 437 | . 005 | $\pm .0005$ |
| BS21-4 | --- | . 315 | . 437 | . 006 | $\pm .0005$ |
| BS21-5 | --- | . 315 | . 437 | . 007 | $\pm .0005$ |
| BS21-6 | --- | . 315 | . 437 | . 010 | $\pm .001$ |


| Part Number |  | $\begin{aligned} & +.005 \\ & \text { ID } \end{aligned}$ | $\begin{gathered} -.005 \\ \text { OD } \end{gathered}$ | Thickness (TH) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stainless | Aluminum |  |  |  |  |
| BS6-1 | --- | . 378 | . 498 | . 003 | $\pm .0005$ |
| BS6-2 | --- | . 378 | . 498 | . 005 | $\pm .0005$ |
| BS6-3 | --- | . 378 | . 498 | . 007 | $\pm .0005$ |
| BS6-4 | --- | . 378 | . 498 | . 010 | $\pm .001$ |
| BS6-6 | --- | . 378 | . 498 | . 020 | $\pm .001$ |
| BS6-7 | BS6-7A | . 378 | . 498 | . 031 | $\pm .002$ |
| BS6-8 | BS6-8A | . 378 | . 498 | . 063 | $\pm .002$ |
| BS6-9 | BS6-9A | . 378 | . 498 | . 125 | $\pm .002$ |
| BS6-10 | BS6-10A | . 378 | . 498 | . 250 | $\pm .002$ |
| BS6-11 | BS6-11A | . 378 | . 498 | . 375 | $\pm .002$ |
| BS6-12 | BS6-12A | . 378 | . 498 | . 500 | $\pm .002$ |
| BS7-1 | --- | . 503 | . 623 | . 003 | $\pm .0005$ |
| BS7-2 | --- | . 503 | . 623 | . 005 | $\pm .0005$ |
| BS7-3 | --- | . 503 | . 623 | . 007 | $\pm .0005$ |
| BS7-4 | --- | . 503 | . 623 | . 010 | $\pm .001$ |
| BS7-6 | --- | . 503 | . 623 | . 020 | $\pm .001$ |
| BS7-7 | BS7-7A | . 503 | . 623 | . 031 | $\pm .002$ |
| BS7-8 | BS7-8A | . 503 | . 623 | . 063 | $\pm .002$ |
| BS7-9 | BS7-9A | . 503 | . 623 | . 125 | $\pm .002$ |
| BS7-10 | BS7-10A | . 503 | . 623 | . 250 | $\pm .002$ |
| BS7-11 | BS7-11A | . 503 | . 623 | . 375 | $\pm .002$ |
| BS7-12 | BS7-12A | . 503 | . 623 | . 500 | $\pm .002$ |
| BS8-5 | --- | . 562 | . 685 | . 016 | $\pm .002$ |
| BS8-7 | --- | . 562 | . 685 | . 031 | $\pm .002$ |
| BS8-8 | --- | . 562 | . 685 | . 063 | $\pm .002$ |
| BS9-1 | --- | . 687 | . 873 | . 003 | $\pm .0005$ |
| BS9-2 | --- | . 687 | . 873 | . 005 | $\pm .0005$ |
| BS9-3 | --- | . 687 | . 873 | . 007 | $\pm .0005$ |
| BS9-4 | --- | . 687 | . 873 | . 010 | $\pm .001$ |
| BS9-5 | --- | . 687 | . 873 | . 016 | $\pm .001$ |
| BS9-6 | --- | . 687 | . 873 | . 020 | $\pm .001$ |
| BS9-7 | BS9-7A | . 687 | . 873 | . 031 | $\pm .002$ |
| BS9-8 | BS9-8A | . 687 | . 873 | . 063 | $\pm .002$ |
| BS9-9 | BS9-9A | . 687 | . 873 | . 125 | $\pm .002$ |
| BS9-10 | BS9-10A | . 687 | . 873 | . 250 | $\pm .002$ |
| BS9-11 | BS9-11A | . 687 | . 873 | . 375 | $\pm .002$ |
| BS9-12 | BS9-12A | . 687 | . 873 | . 500 | $\pm .002$ |
| BS10-5 | --- | . 937 | 1.120 | . 016 | $\pm .001$ |
| BS10-7 | --- | . 937 | 1.120 | . 031 | $\pm .002$ |
| BS10-8 | --- | . 937 | 1.120 | . 063 | $\pm .002$ |

## Metric sizes are available

