



### 3 Star Rivets Manufacture

Add: No.19 Yanjin Road, Yanqiao Industrial Park,  
Wuxi, Jiangsu, China

Tel : 86-510-83571888

Fax: 86-510-83571999

Direct Line: 86-510-83573200

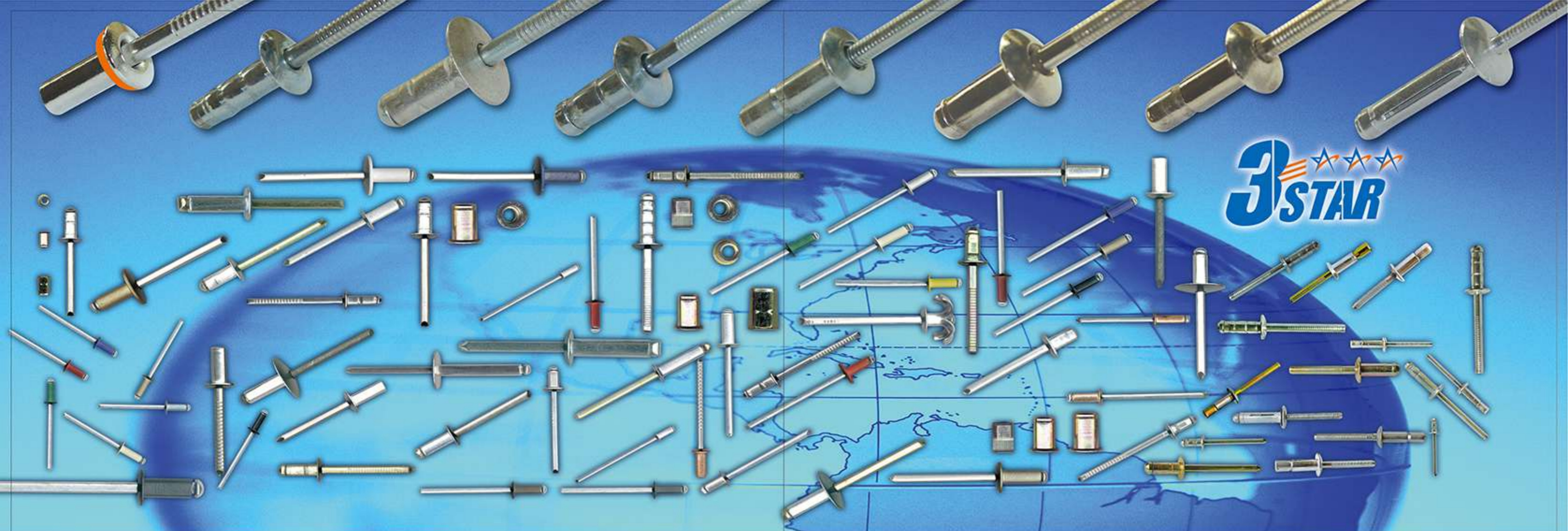
E-mail: [sxwx@3starrivet.com](mailto:sxwx@3starrivet.com)

[Http://www.3starrivet.com](http://www.3starrivet.com)



**DIN 7337** | **TS16949**  
**ISO9001(2008)**

**3 Star Rivets Manufacture**



## Large Scale Product Line and Manufacture Ability

Established in 1990, 3 Star Rivets Manufacture is specialized in the design, manufacturing and sales of various rivets, especially structural rivets. After more than ten years' development, now it has become the leading manufacturer of rivets, especially structural rivets in China.

The main products are blind rivet, structural rivet and hammer rivet, covering open type, closed type and series products, etc. We manufacture products with material of Aluminium, steel, stainless steel, copper and Monel.

Now our annual production capacity reaches 1.5 billion pieces, within which 80 million are structural rivets. About 90% of our products are exported to Germany, Britain, USA, France, Italy, Austria, New Zealand, Southeast Asia and some other countries.

We have advanced equipments imported from Italy, Japan and Taiwan, which ensure our high-quality products, together several testing machines.

## The rivets include:

- ◆ all kinds of materials aluminium/steel open type
- ◆ aluminium/aluminium open type
- ◆ aluminium/stainless steel open type
- ◆ steel/steel open type
- ◆ stainless steel/stainless steel open type
- ◆ stainless steel/steel open type
- ◆ copper/steel open type
- ◆ copper/stainless steel open type
- ◆ aluminium/steel multigrip
- ◆ aluminium/stainless steel multigrip
- ◆ all steel multigrip type
- ◆ all stainless steel multigrip type
- ◆ peel type
- ◆ grooved type
- ◆ all kinds of materials large flange open type
- ◆ RAL color painted rivets
- ◆ all steel unigrip type
- ◆ all stainless steel unigrip type
- ◆ lock type rivet(S-BOLT type,S-LOCK type)
- ◆ Hem-Fix
- ◆ aluminium/steel sealed type
- ◆ aluminium/aluminium sealed type
- ◆ aluminium/stainless steel sealed type
- ◆ stainless steel/stainless steel sealed type
- ◆ steel/steel sealed type
- ◆ copper/steel sealed type
- ◆ copper/stainless steel sealed type
- ◆ all kinds of riveting & fastening system



## Application & Engineering Support Service

The experienced application engineers of 3 STAR can provide the optimized Solution ways for your application.

- ◆ application design and test
- ◆ product analyzing and decomposing
- ◆ evaluating the assembly process
- ◆ evaluating riveting and fastening
- ◆ training riveting and assembly



## Quality Guarantee System

Our customers believe that 3 STAR is the head in the riveting & fastening fields, this point can be seen from the quality certificates we have passed. We choose the best material suppliers as our partner. All the procedures from raw materials, production to output are recorded. Every batch of products is kept samples and records. We have passed the review of ISO9001:2000 and founded advanced test center. We also have established the data files according to the standard of IFI & DIN. All these make sure that we can provide the high quality products for our customers.



## Design and Research

3 STAR is at the leading position in the riveting and fastening fields both of civil & industry. We ceaselessly invest and create in research, engineering executing and manufacturing to ensure that we are the pioneer in this field.

## CONTENT

### OPEN TYPE BLIND RIVET

|        |  |       |
|--------|--|-------|
| 1-AS   | 5050 Aluminium/Steel Dome Head             | 6~7   |
| 1-ASC  | 5050 Aluminium/Steel CSK Head              | 8     |
| 1-ASLF | 5050 Aluminium/Steel Large Head            | 9     |
| 2-AS   | 5052 Aluminium/Steel Dome Head             | 10~11 |
| 2-ASC  | 5052 Aluminium/Steel CSK Head              | 12    |
| 2-ASLF | 5052 Aluminium/Steel Large Head            | 13    |
| 3-AS   | 5154 Aluminium/Steel Dome Head             | 14~15 |
| 3-ASC  | 5154 Aluminium/Steel CSK Head              | 16    |
| 3-ASLF | 5154 Aluminium/Steel Large Head            | 17    |
| AB     | Aluminium/Stainless Steel Dome Head        | 18    |
| AA     | Aluminium/Aluminium Dome Head              | 19    |
| SS     | Steel/Steel Dome Head                      | 20~21 |
| SSC    | Steel/Steel CSK Head                       | 22    |
| SS-LF  | Steel/Steel Large Head                     | 23    |
| BB     | Stainless Steel/Stainless Steel Dome Head  | 24~25 |
| BB-S   | Stainless Steel/Stainless Steel Dome Head  | 26~27 |
| BBC    | Stainless Steel/Stainless Steel CSK Head   | 28    |
| BBC-S  | Stainless Steel/Stainless Steel CSK Head   | 29    |
| BBLF   | Stainless Steel/Stainless Steel Large Head | 30    |
| BBLF-S | Stainless Steel/Stainless Steel Large Head | 31    |
| BS     | Stainless Steel/Steel Dome Head            | 32~33 |
| BSC    | Stainless Steel/Steel CSK Head             | 34    |
| CS     | Copper/Steel Dome Head                     | 35    |
| CB     | Copper/Stainless Steel Dome Head           | 36    |

## CLOSED-END TYPE BLIND RIVET

|          |  |    |
|----------|--|----|
| ASF      | Aluminium/Steel Dome Head                  | 37 |
| ASF-C    | Aluminium/Steel CSK Head                   | 38 |
| AAF      | Aluminium/Aluminium Dome Head              | 39 |
| ABF      | Aluminium/Stainless Steel Dome Head        | 40 |
| BBF-S    | Stainless Steel/Stainless Steel Dome Head  | 41 |
| BBF-LF-S | Stainless Steel/Stainless Steel Large Head | 42 |
| SSF      | Steel/Steel Dome Head                      | 43 |
| CSF      | Copper/Steel Dome Head                     | 44 |
| CBF      | Copper/Stainless Steel Dome Head           | 45 |

## SPECIAL TYPE RIVET

|           |  |    |
|-----------|--|----|
| ASMG-A    | Aluminium/Steel Multi-Grip Dome Head           | 46 |
| ASMG-B    | Aluminium/Steel Multi-Grip Dome Head           | 47 |
| ASMG-G    | Aluminium/Steel Multi-Grip Dome Head           | 48 |
| ASMG-C-A  | Aluminium/Steel Multi-Grip CSK Head            | 49 |
| ASMG-C-B  | Aluminium/Steel Multi-Grip CSK Head            | 50 |
| ASMG-LF-A | Aluminium/Steel Multi-Grip Large Head          | 51 |
| ASMG-LF-B | Aluminium/Steel Multi-Grip Large Head          | 52 |
| ABMG-A    | Aluminium/Stainless Steel Multi-Grip Dome Head | 53 |
| ABMG-B    | Aluminium/Stainless Steel Multi-Grip Dome Head | 54 |
| ASP       | Aluminium/Steel Peel Type Dome Head            | 55 |
| ASG       | Aluminium/Steel Grooved Dome Head              | 56 |

## RIVET NUT

|          |                                     |    |
|----------|-------------------------------------|----|
| PT/PTR   | Flat Head Rivet Nut Series          | 57 |
| XCT/XCTR | Thin CSK Head Rivet Nut Series      | 58 |
| CT/CTR   | Conutersunk Head Rivet Nut Series   | 59 |
| XBL      | Thin Head Half Hex Rivet Nut Series | 60 |
| PBL      | Flat Head Hex Rivet Nut Series      | 60 |
| PL       | Flat Head Hex Rivet Nut Series      | 61 |

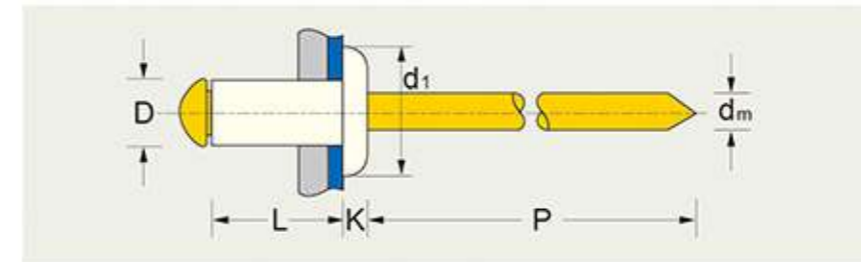
## PNEUMATIC RIVETING TOOL

|       |    |
|-------|----|
| HPS-2 | 62 |
| HPS-3 | 62 |
| HPS-4 | 62 |
| I-1   | 62 |

This Catalogue is only for standard blind rivets, if you have demand on structural rivets, please refer to another catalogue for structural rivets, or contact us directly.

## 1-AS Series

### DOME HEAD



#### MATERIAL

Body : 5050 Alu. Alloy  
Mandrel : Steel

#### FINISH

Body : Polished  
Mandrel : Zinc Plated

| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K            | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 2.4<br>+0.08<br>-0.15 | 1-AS 2404 | 4.0          | 0.5-2.0    | 5.0<br>+0.0<br>-0.7 | 0.65<br>±0.2 | 2.5        | 27        | 1.50       | 180        | 280          |
|                       | 1-AS 2406 | 6.0          | 2.0-4.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 2408 | 8.0          | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 2410 | 10.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 2412 | 12.0         | 8.0-9.5    |                     |              |            |           |            |            |              |
| 3.0<br>+0.08<br>-0.15 | 1-AS 3006 | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.8<br>±0.3  | 3.1        | 27        | 1.80       | 300        | 400          |
|                       | 1-AS 3008 | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 3010 | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 3012 | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 3014 | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | 1-AS 3016 | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |
|                       | 1-AS 3018 | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |
| 1-AS 3020             | 20.0      | 13.0-17.0    |            |                     |              |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | 1-AS 3206 | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.8<br>±0.3  | 3.3        | 27        | 1.80       | 400        | 500          |
|                       | 1-AS 3208 | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 3210 | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 3212 | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 3214 | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | 1-AS 3216 | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |
|                       | 1-AS 3218 | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |
|                       | 1-AS 3220 | 20.0         | 13.0-17.0  |                     |              |            |           |            |            |              |
| 1-AS 3225             | 25.0      | 17.0-22.0    |            |                     |              |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | 1-AS 4006 | 6.0          | 1.0-3.0    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.3  | 4.1        | 28        | 2.15       | 800        | 1000         |
|                       | 1-AS 4008 | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 4010 | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
|                       | 1-AS 4012 | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |
|                       | 1-AS 4014 | 14.0         | 8.5-10.5   |                     |              |            |           |            |            |              |
|                       | 1-AS 4016 | 16.0         | 8.5-12.5   |                     |              |            |           |            |            |              |
|                       | 1-AS 4018 | 18.0         | 12.5-14.5  |                     |              |            |           |            |            |              |
|                       | 1-AS 4020 | 20.0         | 12.5-16.5  |                     |              |            |           |            |            |              |
|                       | 1-AS 4025 | 25.0         | 16.5-21.0  |                     |              |            |           |            |            |              |
|                       | 1-AS 4030 | 30.0         | 21.5-26.0  |                     |              |            |           |            |            |              |
| 1-AS 4035             | 35.0      | 26.0-30.0    |            |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 1-AS 4806 | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 2.0          | 4.9        | 28        | 2.65       | 1000       | 1200         |
|                       | 1-AS 4808 | 8.0          | 2.5-4.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 4810 | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 4812 | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | 1-AS 4814 | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |

To be continued

## 1-AS Series

### DOME HEAD

#### MATERIAL

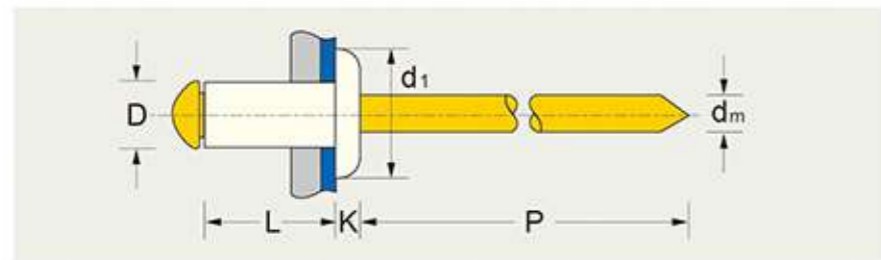
Body : 5050 Alu. Alloy

Mandrel : Steel

#### FINISH

Body : Polished

Mandrel : Zinc Plated



| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K                  | Drill<br>Φ  | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------------|--------------|------------|---------------------|--------------------|-------------|-----------|------------|------------|--------------|
| 4.8<br>+0.08<br>-0.15 | 1-AS 4816             | 16.0         | 8.0-12.0   | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4        | 4.9         | 28        | 2.65       | 1000       | 1200         |
|                       | 1-AS 4818             | 18.0         | 12.0-14.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 4820             | 20.0         | 12.0-16.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 4825             | 25.0         | 16.0-21.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 4830             | 30.0         | 21.0-25.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 4835             | 35.0         | 25.0-30.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 4840             | 40.0         | 30.0-35.0  |                     |                    |             |           |            |            |              |
| 5.0<br>+0.08<br>-0.15 | 1-AS 5006             | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4        | 5.1         | 29        | 2.65       | 1100       | 1250         |
|                       | 1-AS 5008             | 8.0          | 2.5-4.0    |                     |                    |             |           |            |            |              |
|                       | 1-AS 5010             | 10.0         | 4.0-6.0    |                     |                    |             |           |            |            |              |
|                       | 1-AS 5012             | 12.0         | 6.0-8.0    |                     |                    |             |           |            |            |              |
|                       | 1-AS 5014             | 14.0         | 8.0-10.0   |                     |                    |             |           |            |            |              |
|                       | 1-AS 5016             | 16.0         | 8.0-12.0   |                     |                    |             |           |            |            |              |
|                       | 1-AS 5018             | 18.0         | 9.0-13.0   |                     |                    |             |           |            |            |              |
|                       | 1-AS 5020             | 20.0         | 12.0-15.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 5025             | 25.0         | 16.0-20.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 5030             | 30.0         | 20.0-25.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 5035             | 35.0         | 25.0-30.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 5040             | 40.0         | 30.0-35.0  |                     |                    |             |           |            |            |              |
|                       | 6.0<br>+0.08<br>-0.15 | 1-AS 6008    | 8.0        |                     |                    |             |           |            |            |              |
| 1-AS 6010             |                       | 10.0         | 3.0-5.0    |                     |                    |             |           |            |            |              |
| 1-AS 6012             |                       | 12.0         | 5.0-7.0    |                     |                    |             |           |            |            |              |
| 1-AS 6014             |                       | 14.0         | 7.0-9.0    |                     |                    |             |           |            |            |              |
| 1-AS 6016             |                       | 16.0         | 7.0-11.0   |                     |                    |             |           |            |            |              |
| 1-AS 6018             |                       | 18.0         | 11.0-13.0  |                     |                    |             |           |            |            |              |
| 1-AS 6020             |                       | 20.0         | 11.0-15.0  |                     |                    |             |           |            |            |              |
| 1-AS 6025             |                       | 25.0         | 15.0-20.0  |                     |                    |             |           |            |            |              |
| 1-AS 6030             |                       | 30.0         | 20.0-25.0  |                     |                    |             |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 |                       | 1-AS 6410    | 10.0       | 3.0-4.0             | 13<br>+0.0<br>-1.5 | 1.8<br>±0.4 | 6.5       | 30         | 3.80       | 1500         |
|                       | 1-AS 6412             | 12.0         | 3.0-6.0    |                     |                    |             |           |            |            |              |
|                       | 1-AS 6414             | 14.0         | 6.0-8.0    |                     |                    |             |           |            |            |              |
|                       | 1-AS 6416             | 16.0         | 6.0-10.0   |                     |                    |             |           |            |            |              |
|                       | 1-AS 6418             | 18.0         | 10.0-12.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 6420             | 20.0         | 10.0-14.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 6425             | 25.0         | 14.0-18.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 6430             | 30.0         | 18.0-23.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 6435             | 35.0         | 23.0-28.0  |                     |                    |             |           |            |            |              |
|                       | 1-AS 6440             | 40.0         | 28.0-33.0  |                     |                    |             |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

## 1-ASC Series

### CSK HEAD

#### MATERIAL

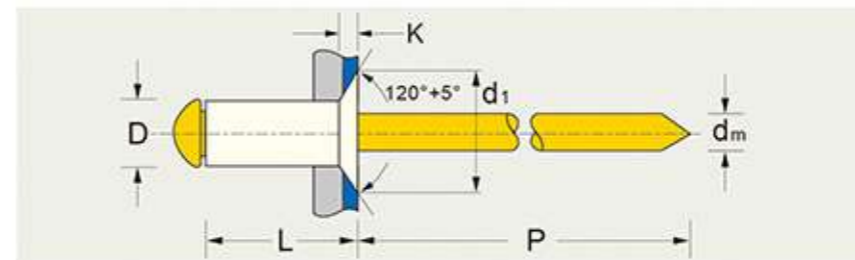
Body : 5050 Alu. Alloy

Mandrel : Steel

#### FINISH

Body : Polished

Mandrel : Zinc Plated



| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Ref.           | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |         |                     |     |     |    |      |      |      |
|-----------------------|-----------------------|--------------|------------|---------------------|---------------------|------------|-----------|------------|------------|--------------|---------|---------------------|-----|-----|----|------|------|------|
| 3.0<br>+0.08<br>-0.15 | 1-ASC 3006            | 6.0          | 2.0-3.5    | 6.0<br>+0.0<br>-0.4 | 0.9                 | 3.1        | 27        | 1.80       | 300        | 400          |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3008            | 8.0          | 3.5-5.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3010            | 10.0         | 5.0-7.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3012            | 12.0         | 7.0-9.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3014            | 14.0         | 9.0-11.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 3.2<br>+0.08<br>-0.15 | 1-ASC 3206            | 6.0          | 2.0-3.5    | 6.0<br>+0.0<br>-0.4 | 0.9                 | 3.3        | 27        | 1.80       | 400        | 500          |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3208            | 8.0          | 3.5-5.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3210            | 10.0         | 5.0-7.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3212            | 12.0         | 7.0-9.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 3214            | 14.0         | 9.0-11.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 3216            | 16.0                  | 9.0-13.0     |            |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | 1-ASC 4006            | 6.0          | 1.5-3.0    | 7.5<br>+0.0<br>-0.5 | 1.0                 | 4.1        | 28        | 2.15       | 800        | 1000         |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4008            | 8.0          | 2.0-5.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4010            | 10.0         | 5.0-6.5    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4012            | 12.0         | 6.5-8.5    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4014            | 14.0         | 8.5-10.5   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4016            | 16.0         | 8.5-12.5   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4018            | 18.0         | 12.5-14.5  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 4020            | 20.0         | 12.5-16.5  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 4.8<br>+0.08<br>-0.15 | 1-ASC 4808   | 8.0        |                     |                     |            |           |            |            |              | 2.5-4.0 | 9.0<br>+0.0<br>-0.5 | 1.2 | 4.9 | 28 | 2.65 | 1000 | 1200 |
|                       |                       | 1-ASC 4810   | 10.0       |                     |                     |            |           |            |            |              | 4.0-6.0 |                     |     |     |    |      |      |      |
| 1-ASC 4812            |                       | 12.0         | 6.0-8.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 4814            |                       | 14.0         | 8.0-10.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 4816            |                       | 16.0         | 8.0-12.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 4818            |                       | 18.0         | 10.0-13.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 4820            |                       | 20.0         | 12.0-15.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 4825            |                       | 25.0         | 16.0-20.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 1-ASC 4830            |                       | 30.0         | 21.0-25.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 5.0<br>+0.08<br>-0.15 |                       | 1-ASC 5008   | 8.0        | 2.5-4.0             | 9.0<br>+0.0<br>-0.5 | 1.2        | 5.1       | 29         | 2.65       | 1100         | 1250    |                     |     |     |    |      |      |      |
|                       | 1-ASC 5010            | 10.0         | 4.0-6.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5012            | 12.0         | 6.0-8.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5014            | 14.0         | 8.0-10.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5016            | 16.0         | 8.0-12.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5018            | 18.0         | 10.0-13.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5020            | 20.0         | 12.0-16.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5025            | 25.0         | 16.0-20.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 1-ASC 5030            | 30.0         | 21.0-25.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |

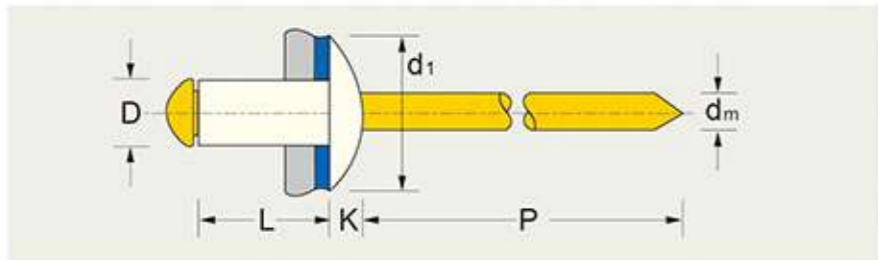
Colored Rivets. Other Size. Special Request: Contact Us

1-ASLF Series

LARGE HEAD

MATERIAL

Body : 5050 Alu. Alloy  
 Mandrel : Steel  
 FINISH  
 Body : Polished  
 Mandrel : Zinc Plated



| D                     | Art. Code   | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | 1-ASLF 3206 | 6.0          | 1.5-3.5    | 9.5<br>+0.3<br>-0.7  | 2.0       | 3.3        | 27        | 1.80       | 400        | 500          |
|                       | 1-ASLF 3208 | 8.0          | 3.5-5.0    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 3210 | 10.0         | 5.0-7.0    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 3212 | 12.0         | 7.0-9.0    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 3214 | 14.0         | 9.0-11.0   |                      |           |            |           |            |            |              |
|                       | 1-ASLF 3216 | 16.0         | 9.0-13.0   |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | 1-ASLF 4006 | 6.0          | 1.0-3.0    | 12.0<br>+0.5<br>-1.0 | 2.5       | 4.1        | 28        | 2.15       | 800        | 1000         |
|                       | 1-ASLF 4008 | 8.0          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4010 | 10.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4012 | 12.0         | 6.5-8.5    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4014 | 14.0         | 8.5-10.5   |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4016 | 16.0         | 8.5-12.5   |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4018 | 18.0         | 12.5-14.5  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4020 | 20.0         | 12.5-16.5  |                      |           |            |           |            |            |              |
| 1-ASLF 4025           | 25.0        | 16.5-21.0    |            |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 1-ASLF 4808 | 8.0          | 2.5-4.0    | 16.0<br>+0.5<br>-1.0 | 2.5       | 4.9        | 28        | 2.65       | 1000       | 1200         |
|                       | 1-ASLF 4810 | 10.0         | 4.0-6.0    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4812 | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4814 | 14.0         | 8.0-10.0   |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4816 | 16.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4818 | 18.0         | 12.0-13.5  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4820 | 20.0         | 12.0-15.0  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4822 | 22.0         | 14.0-17.5  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4824 | 24.0         | 16.0-19.0  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4825 | 25.0         | 15.0-20.0  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4830 | 30.0         | 20.0-25.0  |                      |           |            |           |            |            |              |
|                       | 1-ASLF 4835 | 35.0         | 25.0-30.0  |                      |           |            |           |            |            |              |

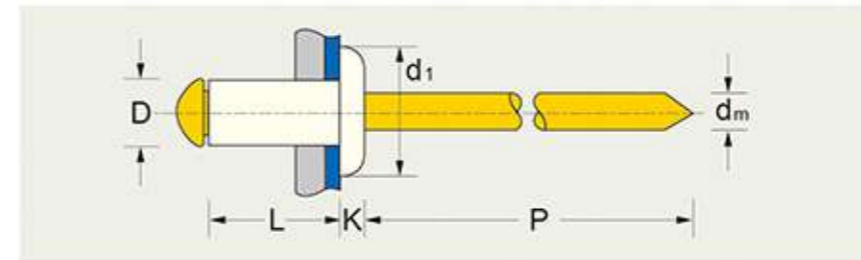
Colored Rivets. Other Size. Special Request: Contact Us  
 Large Head 14mm For 4.8mm Rivets is Available

2-AS Series

DOME HEAD

MATERIAL

Body : 5052 Alu. Alloy  
 Mandrel : Steel  
 FINISH  
 Body : Polished  
 Mandrel : Zinc Plated



| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K            | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 2.4<br>+0.08<br>-0.15 | 2-AS 2404             | 4.0          | 0.5-2.0    | 5.0<br>+0.0<br>-0.7 | 0.65<br>±0.2 | 2.5        | 25        | 1.50       | 250        | 350          |
|                       | 2-AS 2406             | 6.0          | 2.0-4.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 2408             | 8.0          | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 2410             | 10.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 2412             | 12.0         | 8.0-9.5    |                     |              |            |           |            |            |              |
| 3.0<br>+0.08<br>-0.15 | 2-AS 3006             | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.8<br>±0.3  | 3.1        | 25        | 1.80       | 400        | 550          |
|                       | 2-AS 3008             | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 3010             | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 3012             | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 3014             | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | 2-AS 3016             | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | 2-AS 3206             | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.8<br>±0.3  | 3.3        | 27        | 1.80       | 500        | 700          |
|                       | 2-AS 3208             | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 3210             | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 3212             | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 3214             | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | 2-AS 3216             | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |
|                       | 2-AS 3218             | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |
|                       | 2-AS 3220             | 20.0         | 13.0-17.0  |                     |              |            |           |            |            |              |
|                       | 2-AS 3225             | 25.0         | 17.0-22.0  |                     |              |            |           |            |            |              |
|                       | 4.0<br>+0.08<br>-0.15 | 2-AS 4006    | 6.0        |                     |              |            |           |            |            |              |
| 2-AS 4008             |                       | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
| 2-AS 4010             |                       | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
| 2-AS 4012             |                       | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |
| 2-AS 4014             |                       | 14.0         | 8.5-10.5   |                     |              |            |           |            |            |              |
| 2-AS 4016             |                       | 16.0         | 8.5-12.5   |                     |              |            |           |            |            |              |
| 2-AS 4018             |                       | 18.0         | 12.5-14.5  |                     |              |            |           |            |            |              |
| 2-AS 4020             |                       | 20.0         | 12.5-16.5  |                     |              |            |           |            |            |              |
| 2-AS 4025             |                       | 25.0         | 16.5-21.0  |                     |              |            |           |            |            |              |
| 2-AS 4030             |                       | 30.0         | 21.5-26.0  |                     |              |            |           |            |            |              |
| 2-AS 4035             |                       | 35.0         | 26.0-30.0  |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 2-AS 4806             | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4  | 4.9        | 28        | 2.65       | 1200       | 1700         |
|                       | 2-AS 4808             | 8.0          | 2.5-4.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 4810             | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 4812             | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | 2-AS 4814             | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |

To be continued

## 2-AS Series

### DOME HEAD

#### MATERIAL

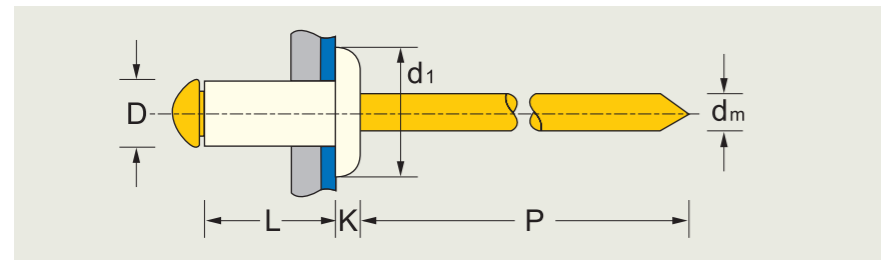
Body : 5052 Alu. Alloy

Mandrel : Steel

#### FINISH

Body : Polished

Mandrel : Zinc Plated



| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K                  | Drill<br>Φ  | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------------|--------------|------------|---------------------|--------------------|-------------|-----------|------------|------------|--------------|
| 4.8<br>+0.08<br>-0.15 | 2-AS 4816             | 16.0         | 8.0-12.0   | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4        | 4.9         | 28        | 2.65       | 1200       | 1700         |
|                       | 2-AS 4818             | 18.0         | 12.0-14.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 4820             | 20.0         | 12.0-16.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 4825             | 25.0         | 16.0-21.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 4830             | 30.0         | 21.0-25.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 4835             | 35.0         | 25.0-30.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 4840             | 40.0         | 30.0-35.0  |                     |                    |             |           |            |            |              |
| 5.0<br>+0.08<br>-0.15 | 2-AS 5006             | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4        | 5.1         | 29        | 2.65       | 1400       | 2000         |
|                       | 2-AS 5008             | 8.0          | 2.5-4.0    |                     |                    |             |           |            |            |              |
|                       | 2-AS 5010             | 10.0         | 4.0-6.0    |                     |                    |             |           |            |            |              |
|                       | 2-AS 5012             | 12.0         | 6.0-8.0    |                     |                    |             |           |            |            |              |
|                       | 2-AS 5014             | 14.0         | 8.0-10.0   |                     |                    |             |           |            |            |              |
|                       | 2-AS 5016             | 16.0         | 8.0-12.0   |                     |                    |             |           |            |            |              |
|                       | 2-AS 5018             | 18.0         | 9.0-13.0   |                     |                    |             |           |            |            |              |
|                       | 2-AS 5020             | 20.0         | 12.0-15.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 5025             | 25.0         | 16.0-20.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 5030             | 30.0         | 20.0-25.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 5035             | 35.0         | 25.0-30.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 5040             | 40.0         | 30.0-35.0  |                     |                    |             |           |            |            |              |
|                       | 6.0<br>+0.08<br>-0.15 | 2-AS 6008    | 8.0        |                     |                    |             |           |            |            |              |
| 2-AS 6010             |                       | 10.0         | 3.0-5.0    |                     |                    |             |           |            |            |              |
| 2-AS 6012             |                       | 12.0         | 5.0-7.0    |                     |                    |             |           |            |            |              |
| 2-AS 6014             |                       | 14.0         | 7.0-9.0    |                     |                    |             |           |            |            |              |
| 2-AS 6016             |                       | 16.0         | 7.0-11.0   |                     |                    |             |           |            |            |              |
| 2-AS 6018             |                       | 18.0         | 11.0-13.0  |                     |                    |             |           |            |            |              |
| 2-AS 6020             |                       | 20.0         | 11.0-15.0  |                     |                    |             |           |            |            |              |
| 2-AS 6025             |                       | 25.0         | 15.0-20.0  |                     |                    |             |           |            |            |              |
| 2-AS 6030             |                       | 30.0         | 20.0-25.0  |                     |                    |             |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 |                       | 2-AS 6410    | 10.0       | 3.0-4.0             | 13<br>+0.0<br>-1.5 | 1.8<br>±0.4 | 6.5       | 30         | 3.80       | 2700         |
|                       | 2-AS 6412             | 12.0         | 3.0-6.0    |                     |                    |             |           |            |            |              |
|                       | 2-AS 6414             | 14.0         | 6.0-8.0    |                     |                    |             |           |            |            |              |
|                       | 2-AS 6416             | 16.0         | 6.0-10.0   |                     |                    |             |           |            |            |              |
|                       | 2-AS 6418             | 18.0         | 10.0-12.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 6420             | 20.0         | 10.0-14.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 6425             | 25.0         | 14.0-18.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 6430             | 30.0         | 18.0-23.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 6435             | 35.0         | 23.0-28.0  |                     |                    |             |           |            |            |              |
|                       | 2-AS 6440             | 40.0         | 28.0-33.0  |                     |                    |             |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

## 2-ASC Series

### CSK HEAD

#### MATERIAL

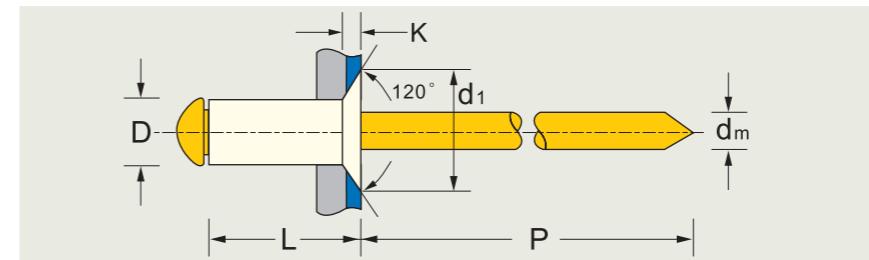
Body : 5052 Alu. Alloy

Mandrel : Steel

#### FINISH

Body : Polished

Mandrel : Zinc Plated

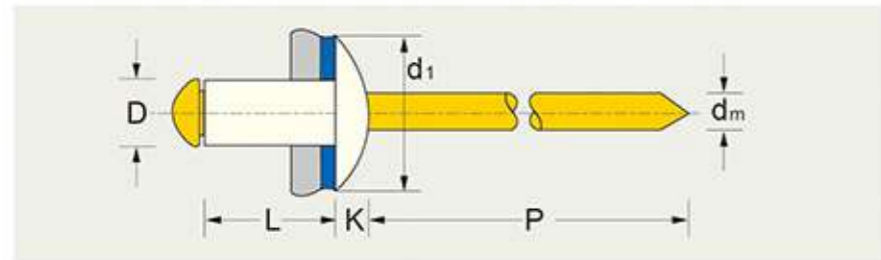


| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Ref.           | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |         |                     |     |     |    |      |      |      |
|-----------------------|-----------------------|--------------|------------|---------------------|---------------------|------------|-----------|------------|------------|--------------|---------|---------------------|-----|-----|----|------|------|------|
| 3.0<br>+0.08<br>-0.15 | 2-ASC 3006            | 6.0          | 2.0-3.5    | 6.0<br>+0.0<br>-0.4 | 0.9                 | 3.1        | 25        | 1.80       | 400        | 550          |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3008            | 8.0          | 3.5-5.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3010            | 10.0         | 5.0-7.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3012            | 12.0         | 7.0-9.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3014            | 14.0         | 9.0-11.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 3.2<br>+0.08<br>-0.15 | 2-ASC 3206            | 6.0          | 2.0-3.5    | 6.0<br>+0.0<br>-0.4 | 0.9                 | 3.3        | 27        | 1.80       | 500        | 700          |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3208            | 8.0          | 3.5-5.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3210            | 10.0         | 5.0-7.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3212            | 12.0         | 7.0-9.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 3214            | 14.0         | 9.0-11.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 3216            | 16.0                  | 9.0-13.0     |            |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | 2-ASC 4006            | 6.0          | 1.5-3.0    | 7.5<br>+0.0<br>-0.5 | 1.0                 | 4.1        | 27        | 2.15       | 850        | 1200         |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4008            | 8.0          | 2.0-5.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4010            | 10.0         | 5.0-6.5    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4012            | 12.0         | 6.5-8.5    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4014            | 14.0         | 8.5-10.5   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4016            | 16.0         | 8.5-12.5   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4018            | 18.0         | 12.5-14.5  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 4020            | 20.0         | 12.5-16.5  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 4.8<br>+0.08<br>-0.15 | 2-ASC 4808   | 8.0        |                     |                     |            |           |            |            |              | 2.5-4.0 | 9.0<br>+0.0<br>-0.5 | 1.2 | 4.9 | 28 | 2.65 | 1200 | 1700 |
|                       |                       | 2-ASC 4810   | 10.0       |                     |                     |            |           |            |            |              | 4.0-6.0 |                     |     |     |    |      |      |      |
| 2-ASC 4812            |                       | 12.0         | 6.0-8.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 4814            |                       | 14.0         | 8.0-10.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 4816            |                       | 16.0         | 8.0-12.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 4818            |                       | 18.0         | 10.0-13.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 4820            |                       | 20.0         | 12.0-15.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 4825            |                       | 25.0         | 16.0-20.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 2-ASC 4830            |                       | 30.0         | 21.0-25.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
| 5.0<br>+0.08<br>-0.15 |                       | 2-ASC 5008   | 8.0        | 2.5-4.0             | 9.0<br>+0.0<br>-0.5 | 1.2        | 5.1       | 29         | 2.65       | 1400         | 2000    |                     |     |     |    |      |      |      |
|                       | 2-ASC 5010            | 10.0         | 4.0-6.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5012            | 12.0         | 6.0-8.0    |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5014            | 14.0         | 8.0-10.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5016            | 16.0         | 8.0-12.0   |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5018            | 18.0         | 10.0-13.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5020            | 20.0         | 12.0-16.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5025            | 25.0         | 16.0-20.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |
|                       | 2-ASC 5030            | 30.0         | 21.0-25.0  |                     |                     |            |           |            |            |              |         |                     |     |     |    |      |      |      |

Colored Rivets. Other Size. Special Request: Contact Us

2-ASLF Series

LARGE HEAD



**MATERIAL**  
 Body : 5052 Alu. Alloy  
 Mandrel : Steel

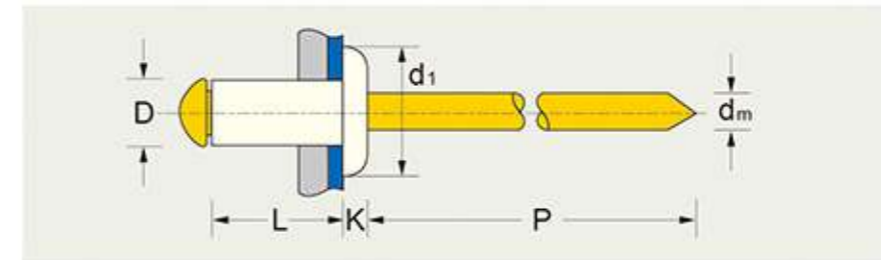
**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D                     | Art. Code   | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | 2-ASLF 3206 | 6.0          | 1.5-3.5    | 9.5<br>+0.3<br>-0.7  | 2.00      | 3.3        | 27        | 1.80       | 500/750    | 700/1100     |
|                       | 2-ASLF 3208 | 8.0          | 3.5-5.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 3210 | 10.0         | 5.0-7.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 3212 | 12.0         | 7.0-9.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 3214 | 14.0         | 9.0-11.0   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 3216 | 16.0         | 9.0-13.0   |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | 2-ASLF 4006 | 6.0          | 1.0-3.0    | 12.0<br>+0.5<br>-1.0 | 2.50      | 4.1        | 28        | 2.15       | 850/1250   | 1200/1800    |
|                       | 2-ASLF 4008 | 8.0          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4010 | 10.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4012 | 12.0         | 6.5-8.5    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4014 | 14.0         | 8.5-10.5   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4016 | 16.0         | 8.5-12.5   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4018 | 18.0         | 12.5-14.5  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4020 | 20.0         | 12.5-16.5  |                      |           |            |           |            |            |              |
| 2-ASLF 4025           | 25.0        | 16.5-21.0    |            |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 2-ASLF 4808 | 8.0          | 2.5-4.0    | 16.0<br>+0.5<br>-1.0 | 2.50      | 4.9        | 28        | 2.65       | 1200/1850  | 1700/2600    |
|                       | 2-ASLF 4810 | 10.0         | 4.0-6.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4812 | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4814 | 14.0         | 8.0-10.0   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4816 | 16.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4818 | 18.0         | 12.0-13.5  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4820 | 20.0         | 12.0-15.0  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4822 | 22.0         | 14.0-17.5  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4824 | 24.0         | 16.0-19.0  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4825 | 25.0         | 15.0-20.0  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4830 | 30.0         | 20.0-25.0  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 4835 | 35.0         | 25.0-30.0  |                      |           |            |           |            |            |              |
| 5.0<br>+0.08<br>-0.15 | 2-ASLF 5008 | 8.0          | 2.5-4.0    | 16.0<br>+0.5<br>-1.0 | 2.50      | 5.1        | 29        | 2.65       | 1400/2150  | 2000/3100    |
|                       | 2-ASLF 5010 | 10.0         | 4.0-6.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5012 | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5014 | 14.0         | 8.0-10.0   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5016 | 16.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5018 | 18.0         | 12.0-13.5  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5020 | 20.0         | 12.0-15.0  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5025 | 25.0         | 15.0-20.0  |                      |           |            |           |            |            |              |
|                       | 2-ASLF 5030 | 30.0         | 20.0-25.0  |                      |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us  
 Large Head 11mm & 14mm For 4.8mm Rivets is Available

3-AS Series

DOME HEAD



**MATERIAL**  
 Body : 5154 Alu. Alloy  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K            | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 2.4<br>+0.08<br>-0.15 | 3-AS 2404 | 4.0          | 0.5-2.0    | 5.0<br>+0.0<br>-0.7 | 0.65<br>±0.2 | 2.5        | 25        | 1.50       | 350        | 550          |
|                       | 3-AS 2406 | 6.0          | 2.0-4.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 2408 | 8.0          | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 2410 | 10.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 2412 | 12.0         | 8.0-9.5    |                     |              |            |           |            |            |              |
| 3.0<br>+0.08<br>-0.15 | 3-AS 3006 | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.1        | 25        | 1.80       | 550        | 850          |
|                       | 3-AS 3008 | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 3010 | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 3012 | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 3014 | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | 3-AS 3016 | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |
|                       | 3-AS 3018 | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |
| 3-AS 3020             | 20.0      | 13.0-17.0    |            |                     |              |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | 3-AS 3206 | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.3        | 27        | 1.80       | 750        | 1100         |
|                       | 3-AS 3208 | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 3210 | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 3212 | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 3214 | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | 3-AS 3216 | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |
|                       | 3-AS 3218 | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |
|                       | 3-AS 3220 | 20.0         | 13.0-17.0  |                     |              |            |           |            |            |              |
|                       | 3-AS 3225 | 25.0         | 17.0-22.0  |                     |              |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | 3-AS 4006 | 6.0          | 1.0-3.0    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.3  | 4.1        | 28        | 2.20       | 1250       | 1800         |
|                       | 3-AS 4008 | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 4010 | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
|                       | 3-AS 4012 | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |
|                       | 3-AS 4014 | 14.0         | 8.5-10.5   |                     |              |            |           |            |            |              |
|                       | 3-AS 4016 | 16.0         | 8.5-12.5   |                     |              |            |           |            |            |              |
|                       | 3-AS 4018 | 18.0         | 12.5-14.5  |                     |              |            |           |            |            |              |
|                       | 3-AS 4020 | 20.0         | 12.5-16.5  |                     |              |            |           |            |            |              |
|                       | 3-AS 4025 | 25.0         | 16.5-21.0  |                     |              |            |           |            |            |              |
|                       | 3-AS 4030 | 30.0         | 21.5-26.0  |                     |              |            |           |            |            |              |
| 3-AS 4035             | 35.0      | 26.0-30.0    |            |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 3-AS 4806 | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4  | 4.9        | 28        | 2.70       | 1850       | 2600         |
|                       | 3-AS 4808 | 8.0          | 2.5-4.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 4810 | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 4812 | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | 3-AS 4814 | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |

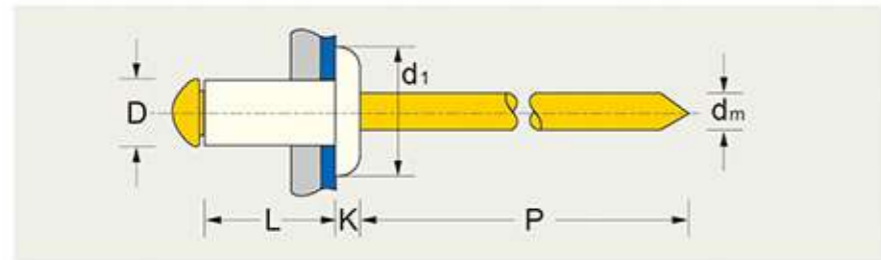
To be continued





3-AS Series

DOME HEAD



**MATERIAL**  
 Body : 5154 Alu. Alloy  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

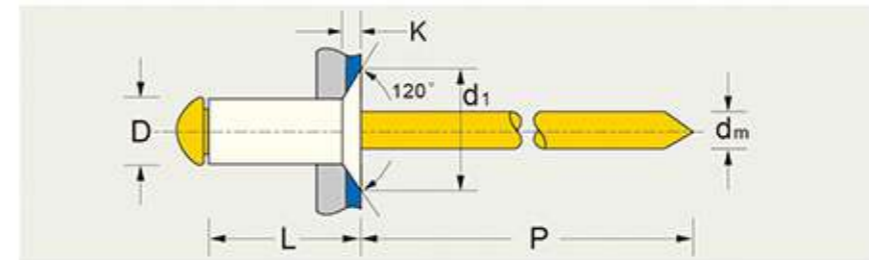
| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K           | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|-------------|------------|-----------|------------|------------|--------------|
| 4.8<br>+0.08<br>-0.15 | 3-AS 4816 | 16.0         | 8.0-12.0   | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4 | 4.9        | 28        | 2.70       | 1850       | 2600         |
|                       | 3-AS 4818 | 18.0         | 12.0-14.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 4820 | 20.0         | 12.0-16.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 4825 | 25.0         | 16.0-21.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 4830 | 30.0         | 21.0-25.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 4835 | 35.0         | 25.0-30.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 4840 | 40.0         | 30.0-35.0  |                     |             |            |           |            |            |              |
| 5.0<br>+0.08<br>-0.15 | 3-AS 5006 | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4 | 5.1        | 29        | 2.70       | 2150       | 3100         |
|                       | 3-AS 5008 | 8.0          | 2.5-4.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 5010 | 10.0         | 4.0-6.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 5012 | 12.0         | 6.0-8.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 5014 | 14.0         | 8.0-10.0   |                     |             |            |           |            |            |              |
|                       | 3-AS 5016 | 16.0         | 8.0-12.0   |                     |             |            |           |            |            |              |
|                       | 3-AS 5018 | 18.0         | 9.0-13.0   |                     |             |            |           |            |            |              |
|                       | 3-AS 5020 | 20.0         | 12.0-15.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 5025 | 25.0         | 16.0-20.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 5030 | 30.0         | 20.0-25.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 5035 | 35.0         | 25.0-30.0  |                     |             |            |           |            |            |              |
| 3-AS 5040             | 40.0      | 30.0-35.0    |            |                     |             |            |           |            |            |              |
| 6.0<br>+0.08<br>-0.15 | 3-AS 6008 | 8.0          | 2.0-3.0    | 12<br>+0.0<br>-1.5  | 1.5<br>±0.4 | 6.1        | 30        | 3.38       | 3200       | 4600         |
|                       | 3-AS 6010 | 10.0         | 3.0-5.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 6012 | 12.0         | 5.0-7.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 6014 | 14.0         | 7.0-9.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 6016 | 16.0         | 7.0-11.0   |                     |             |            |           |            |            |              |
|                       | 3-AS 6018 | 18.0         | 11.0-13.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6020 | 20.0         | 11.0-15.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6025 | 25.0         | 15.0-20.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6030 | 30.0         | 20.0-25.0  |                     |             |            |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 | 3-AS 6410 | 10.0         | 3.0-4.0    | 13<br>+0.0<br>-1.5  | 1.8<br>±0.4 | 6.5        | 30        | 3.80       | 3400       | 4850         |
|                       | 3-AS 6412 | 12.0         | 3.0-6.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 6414 | 14.0         | 6.0-8.0    |                     |             |            |           |            |            |              |
|                       | 3-AS 6416 | 16.0         | 6.0-10.0   |                     |             |            |           |            |            |              |
|                       | 3-AS 6418 | 18.0         | 10.0-12.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6420 | 20.0         | 10.0-14.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6425 | 25.0         | 14.0-18.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6430 | 30.0         | 18.0-23.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6435 | 35.0         | 23.0-28.0  |                     |             |            |           |            |            |              |
|                       | 3-AS 6440 | 40.0         | 28.0-33.0  |                     |             |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us  
 5056 Alu. Alloy rivets is Available: Contact us



3-ASC Series

CSK HEAD



**MATERIAL**  
 Body : 5154 Alu. Alloy  
 Mandrel : Steel

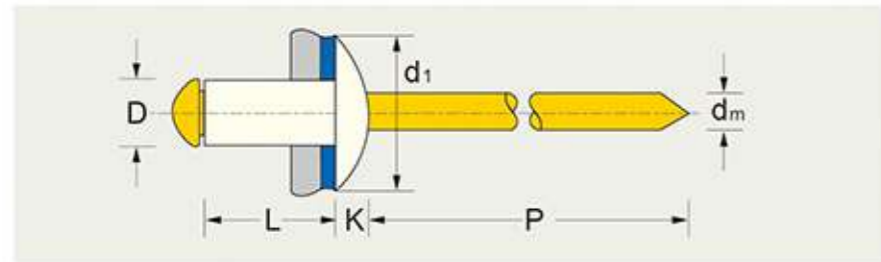
**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Ref. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | 3-ASC 3006            | 6.0          | 2.0-3.5    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.1        | 25        | 1.80       | 550        | 850          |
|                       | 3-ASC 3008            | 8.0          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 3010            | 10.0         | 5.0-7.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 3012            | 12.0         | 7.0-9.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 3014            | 14.0         | 9.0-11.0   |                     |           |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | 3-ASC 3206            | 6.0          | 2.0-3.5    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.80       | 750        | 1100         |
|                       | 3-ASC 3208            | 8.0          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 3210            | 10.0         | 5.0-7.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 3212            | 12.0         | 7.0-9.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 3214            | 14.0         | 9.0-11.0   |                     |           |            |           |            |            |              |
| 3-ASC 3216            | 16.0                  | 9.0-13.0     |            |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | 3-ASC 4006            | 6.0          | 1.5-3.0    | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.20       | 1250       | 1800         |
|                       | 3-ASC 4008            | 8.0          | 2.0-5.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 4010            | 10.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | 3-ASC 4012            | 12.0         | 6.5-8.5    |                     |           |            |           |            |            |              |
|                       | 3-ASC 4014            | 14.0         | 8.5-10.5   |                     |           |            |           |            |            |              |
|                       | 3-ASC 4016            | 16.0         | 8.5-12.5   |                     |           |            |           |            |            |              |
|                       | 3-ASC 4018            | 18.0         | 12.5-14.5  |                     |           |            |           |            |            |              |
|                       | 3-ASC 4020            | 20.0         | 12.5-16.5  |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 3-ASC 4808            | 8.0          | 2.5-4.0    | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 2.70       | 1850       | 2600         |
|                       | 3-ASC 4810            | 10.0         | 4.0-6.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 4812            | 12.0         | 6.0-8.0    |                     |           |            |           |            |            |              |
|                       | 3-ASC 4814            | 14.0         | 8.0-10.0   |                     |           |            |           |            |            |              |
|                       | 3-ASC 4816            | 16.0         | 8.0-12.0   |                     |           |            |           |            |            |              |
|                       | 3-ASC 4818            | 18.0         | 10.0-13.0  |                     |           |            |           |            |            |              |
|                       | 3-ASC 4820            | 20.0         | 12.0-15.0  |                     |           |            |           |            |            |              |
|                       | 3-ASC 4825            | 25.0         | 16.0-20.0  |                     |           |            |           |            |            |              |
|                       | 3-ASC 4830            | 30.0         | 21.0-25.0  |                     |           |            |           |            |            |              |
|                       | 5.0<br>+0.08<br>-0.15 | 3-ASC 5008   | 8.0        |                     |           |            |           |            |            |              |
| 3-ASC 5010            |                       | 10.0         | 4.0-6.0    |                     |           |            |           |            |            |              |
| 3-ASC 5012            |                       | 12.0         | 6.0-8.0    |                     |           |            |           |            |            |              |
| 3-ASC 5014            |                       | 14.0         | 8.0-10.0   |                     |           |            |           |            |            |              |
| 3-ASC 5016            |                       | 16.0         | 8.0-12.0   |                     |           |            |           |            |            |              |
| 3-ASC 5018            |                       | 18.0         | 10.0-13.0  |                     |           |            |           |            |            |              |
| 3-ASC 5020            |                       | 20.0         | 12.0-16.0  |                     |           |            |           |            |            |              |
| 3-ASC 5025            |                       | 25.0         | 16.0-20.0  |                     |           |            |           |            |            |              |
| 3-ASC 5030            |                       | 30.0         | 21.0-25.0  |                     |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

3-ASLF Series

LARGE HEAD



MATERIAL

Body : 5154 Alu. Alloy  
Mandrel : Steel

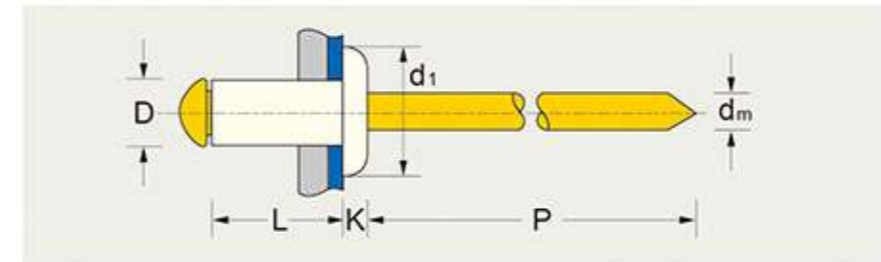
FINISH  
Body : Polished  
Mandrel : Zinc Plated

| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | 3-ASLF 3206           | 6.0          | 1.5-3.5    | 9.5<br>+0.3<br>-0.7  | 2.00      | 3.3        | 27        | 1.80       | 500/750    | 700/1100     |
|                       | 3-ASLF 3208           | 8.0          | 3.5-5.0    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 3210           | 10.0         | 5.0-7.0    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 3212           | 12.0         | 7.0-9.0    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 3214           | 14.0         | 9.0-11.0   |                      |           |            |           |            |            |              |
|                       | 3-ASLF 3216           | 16.0         | 9.0-13.0   |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | 3-ASLF 4006           | 6.0          | 1.0-3.0    | 12.0<br>+0.5<br>-1.0 | 2.20      | 4.1        | 28        | 2.20       | 850/1250   | 1200/1800    |
|                       | 3-ASLF 4008           | 8.0          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4010           | 10.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4012           | 12.0         | 6.5-8.5    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4014           | 14.0         | 8.5-10.5   |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4016           | 16.0         | 8.5-12.5   |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4018           | 18.0         | 12.5-14.5  |                      |           |            |           |            |            |              |
| 3-ASLF 4020           | 20.0                  | 12.5-16.5    |            |                      |           |            |           |            |            |              |
| 3-ASLF 4025           | 25.0                  | 16.5-21.0    |            |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | 3-ASLF 4808           | 8.0          | 2.5-4.0    | 14<br>+0.5<br>-1.0   | 2.50      | 4.9        | 28        | 2.70       | 1200/1850  | 1700/2600    |
|                       | 3-ASLF 4810           | 10.0         | 4.0-6.0    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4812           | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4814           | 14.0         | 8.0-10.0   |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4816           | 16.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4818           | 18.0         | 12.0-13.5  |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4820           | 20.0         | 12.0-15.0  |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4822           | 22.0         | 14.0-17.5  |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4824           | 24.0         | 16.0-19.0  |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4825           | 25.0         | 15.0-20.0  |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4830           | 30.0         | 20.0-25.0  |                      |           |            |           |            |            |              |
|                       | 3-ASLF 4835           | 35.0         | 25.0-30.0  |                      |           |            |           |            |            |              |
|                       | 5.0<br>+0.08<br>-0.15 | 3-ASLF 5008  | 8.0        |                      |           |            |           |            |            |              |
| 3-ASLF 5010           |                       | 10.0         | 4.0-6.0    |                      |           |            |           |            |            |              |
| 3-ASLF 5012           |                       | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |
| 3-ASLF 5014           |                       | 14.0         | 8.0-10.0   |                      |           |            |           |            |            |              |
| 3-ASLF 5016           |                       | 16.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
| 3-ASLF 5018           |                       | 18.0         | 12.0-13.5  |                      |           |            |           |            |            |              |
| 3-ASLF 5020           |                       | 20.0         | 12.0-15.0  |                      |           |            |           |            |            |              |
| 3-ASLF 5025           |                       | 25.0         | 15.0-20.0  |                      |           |            |           |            |            |              |
| 3-ASLF 5030           |                       | 30.0         | 20.0-25.0  |                      |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us  
Large Head 11mm & 14mm For 4.8mm Rivets: Contact Us

AB Series

DOME HEAD



MATERIAL

Body : 5056 Alu. Alloy  
Mandrel : Stainless Steel

FINISH  
Body : Polished  
Mandrel : Polished

| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K            | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |         |                     |             |     |    |      |      |      |
|-----------------------|-----------------------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|---------|---------------------|-------------|-----|----|------|------|------|
| 3.2<br>+0.08<br>-0.15 | AB 3206               | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.2 | 3.3        | 27        | 1.80       | 750        | 1100         |         |                     |             |     |    |      |      |      |
|                       | AB 3208               | 8.0          | 3.5-5.0    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 3210               | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 3212               | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 3214               | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 3216               | 16.0         | 9.0-13.0   |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 3218               | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 3220               | 20.0                  | 13.0-17.0    |            |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | AB 4006               | 6.0          | 1.0-3.0    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.4  | 4.1        | 28        | 2.15       | 1250       | 1800         |         |                     |             |     |    |      |      |      |
|                       | AB 4008               | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4010               | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4012               | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4014               | 14.0         | 8.5-10.5   |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4016               | 16.0         | 8.5-12.5   |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4018               | 18.0         | 12.5-14.5  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4020               | 20.0         | 12.5-16.5  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4025               | 25.0         | 16.5-21.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4030               | 30.0         | 21.5-26.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | AB 4035               | 35.0         | 26.0-30.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
|                       | 4.8<br>+0.08<br>-0.15 | AB 4806      | 6.0        |                     |              |            |           |            |            |              | 1.5-2.5 | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4 | 4.9 | 28 | 2.63 | 1850 | 2600 |
|                       |                       | AB 4808      | 8.0        |                     |              |            |           |            |            |              | 2.5-4.0 |                     |             |     |    |      |      |      |
| AB 4810               |                       | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4812               |                       | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4814               |                       | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4816               |                       | 16.0         | 8.0-12.0   |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 1818               |                       | 18.0         | 12.0-13.5  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4820               |                       | 20.0         | 12.0-15.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4825               |                       | 25.0         | 15.0-20.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4830               |                       | 30.0         | 20.0-25.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |
| AB 4835               |                       | 35.0         | 25.0-30.0  |                     |              |            |           |            |            |              |         |                     |             |     |    |      |      |      |

Other Size. CSK Head. Large. Special Request: Contact Us

## AA Series

### DOME HEAD

#### MATERIAL

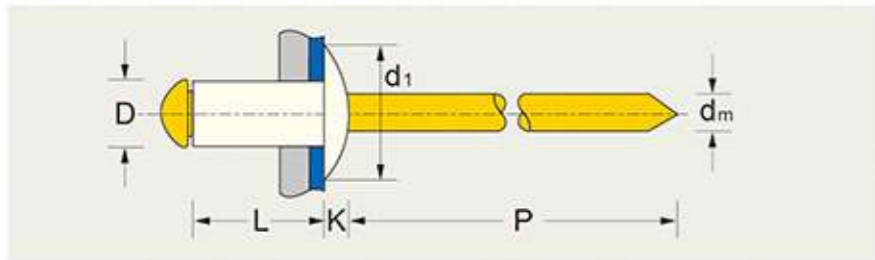
Body : 5052 Alu. Alloy

Mandrel : Alu. Alloy

#### FINISH

Body : Polished

Mandrel : Polished



| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max.    | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | AA 3206   | 6.0          | 1.5-3.5    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.2 | 3.3        | 27        | 1.95       | 500        | 670          |
|                       | AA 3208   | 8.0          | 3.5-5.5    |                     |              |            |           |            |            |              |
|                       | AA 3210   | 10.0         | 5.5-7.0    |                     |              |            |           |            |            |              |
|                       | AA 3212   | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
|                       | AA 3214   | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | AA 3216   | 16.0         | 11.0-13.0  |                     |              |            |           |            |            |              |
|                       | AA 3218   | 18.0         | 13.0-15.0  |                     |              |            |           |            |            |              |
|                       | AA 3220   | 20.0         | 15.0-17.0  |                     |              |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | AA 4006   | 6.0          | 1.5-3.0    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.3  | 4.1        | 28        | 2.45       | 850        | 1020         |
|                       | AA 4008   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | AA 4010   | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
|                       | AA 4012   | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |
|                       | AA 4014   | 14.0         | 8.5-10.5   |                     |              |            |           |            |            |              |
|                       | AA 4016   | 16.0         | 10.5-12.5  |                     |              |            |           |            |            |              |
|                       | AA 4018   | 18.0         | 12.5-14.5  |                     |              |            |           |            |            |              |
|                       | AA 4020   | 20.0         | 14.5-16.5  |                     |              |            |           |            |            |              |
|                       | AA 4025   | 25.0         | 16.5-21.5  |                     |              |            |           |            |            |              |
|                       | AA 4030   | 30.0         | 21.5-26.0  |                     |              |            |           |            |            |              |
| AA 4035               | 35.0      | 26.0-30.0    |            |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | AA 4806   | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.3  | 4.9        | 28        | 2.90       | 1160       | 1420         |
|                       | AA 4808   | 8.0          | 2.5-4.0    |                     |              |            |           |            |            |              |
|                       | AA 4810   | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | AA 4812   | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | AA 4814   | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |
|                       | AA 4816   | 16.0         | 10.0-12.0  |                     |              |            |           |            |            |              |
|                       | AA 4818   | 18.0         | 12.0-14.0  |                     |              |            |           |            |            |              |
|                       | AA 4820   | 20.0         | 14.0-16.0  |                     |              |            |           |            |            |              |
|                       | AA 4825   | 25.0         | 16.0-20.0  |                     |              |            |           |            |            |              |
|                       | AA 4830   | 30.0         | 20.0-25.0  |                     |              |            |           |            |            |              |
|                       | AA 4835   | 35.0         | 25.0-30.0  |                     |              |            |           |            |            |              |

Other Size, CSK Head, Large Head, Special Request: Contact Us

## SS Series

### DOME HEAD

#### MATERIAL

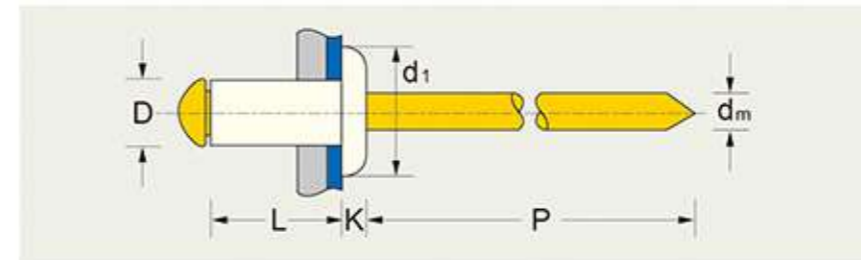
Body : Steel

Mandrel : Steel

#### FINISH

Body : Zinc Plated

Mandrel : Zinc Plated

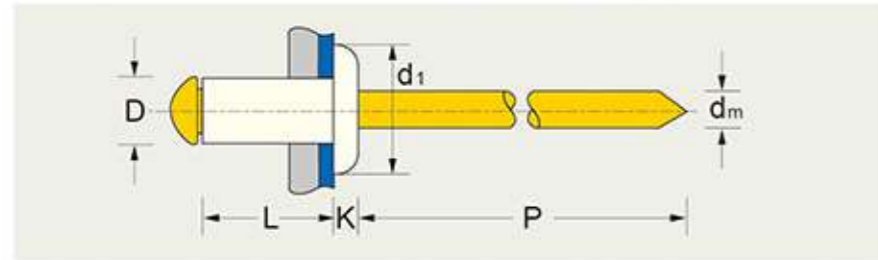


| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K            | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | SS 3006   | 6.0          | 0.5-3.0    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.2 | 3.1        | 25        | 1.92       | 950        | 1100         |
|                       | SS 3008   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | SS 3010   | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
|                       | SS 3012   | 12.0         | 6.5-8.0    |                     |              |            |           |            |            |              |
|                       | SS 3014   | 14.0         | 9.0-11.0   |                     |              |            |           |            |            |              |
|                       | SS 3016   | 16.0         | 8.0-12.0   |                     |              |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | SS 3206   | 6.0          | 0.5-3.0    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.3        | 27        | 1.95       | 1100       | 1200         |
|                       | SS 3208   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | SS 3210   | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
|                       | SS 3212   | 12.0         | 6.5-8.0    |                     |              |            |           |            |            |              |
|                       | SS 3216   | 16.0         | 8.0-12.0   |                     |              |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | SS 4006   | 6.0          | 1.0-3.0    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.4  | 4.1        | 28        | 2.45       | 1700       | 2200         |
|                       | SS 4008   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | SS 4010   | 10.0         | 5.0-6.5    |                     |              |            |           |            |            |              |
|                       | SS 4012   | 12.0         | 6.5-9.0    |                     |              |            |           |            |            |              |
|                       | SS 4014   | 14.0         | 8.5-10.0   |                     |              |            |           |            |            |              |
|                       | SS 4016   | 16.0         | 9.0-12.0   |                     |              |            |           |            |            |              |
|                       | SS 4018   | 18.0         | 12.0-14.0  |                     |              |            |           |            |            |              |
|                       | SS 4020   | 20.0         | 12.0-16.0  |                     |              |            |           |            |            |              |
|                       | SS 4025   | 25.0         | 16.0-20.0  |                     |              |            |           |            |            |              |
|                       | SS 4030   | 30.0         | 16.0-25.0  |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | SS 4806   | 6.0          | 1.5-2.5    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4  | 4.9        | 28        | 2.90       | 2900       | 3100         |
|                       | SS 4808   | 8.0          | 2.5-4.0    |                     |              |            |           |            |            |              |
|                       | SS 4810   | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | SS 4812   | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | SS 4814   | 14.0         | 7.5-9.5    |                     |              |            |           |            |            |              |
|                       | SS 4816   | 16.0         | 8.0-11.0   |                     |              |            |           |            |            |              |
|                       | SS 4818   | 18.0         | 10.0-13.0  |                     |              |            |           |            |            |              |
|                       | SS 4820   | 20.0         | 11.0-15.0  |                     |              |            |           |            |            |              |
|                       | SS 4822   | 22.0         | 13.0-16.5  |                     |              |            |           |            |            |              |
|                       | SS 4825   | 25.0         | 15.0-19.5  |                     |              |            |           |            |            |              |
|                       | SS 4830   | 30.0         | 19.5-25.0  |                     |              |            |           |            |            |              |

To be continued

**SS Series**

**DOME HEAD**



**MATERIAL**  
 Body : Steel  
 Mandrel : Steel

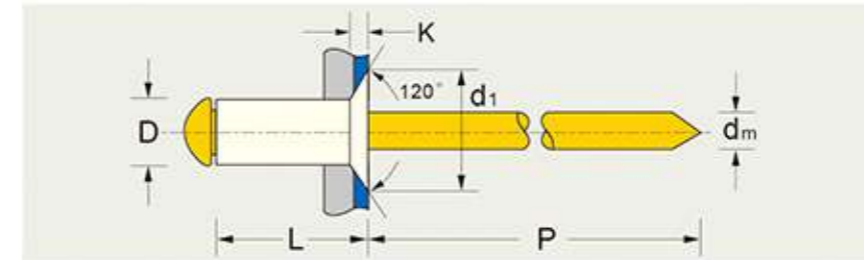
**FINISH**  
 Body : Zinc Plated  
 Mandrel : Zinc Plated

| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K           | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|-------------|------------|-----------|------------|------------|--------------|
| 5.0<br>+0.08<br>-0.15 | SS 5008   | 8.0          | 2.5-4.0    | 6.5<br>+0.0<br>-1.0 | 1.1<br>±0.3 | 5.1        | 29        | 2.90       | 3100       | 4000         |
|                       | SS 5010   | 10.0         | 4.0-6.0    |                     |             |            |           |            |            |              |
|                       | SS 5012   | 12.0         | 6.0-8.0    |                     |             |            |           |            |            |              |
|                       | SS 5014   | 14.0         | 7.5-9.5    |                     |             |            |           |            |            |              |
|                       | SS 5016   | 16.0         | 8.0-11.0   |                     |             |            |           |            |            |              |
|                       | SS 5018   | 18.0         | 10.0-13.0  |                     |             |            |           |            |            |              |
|                       | SS 5020   | 20.0         | 11.0-15.0  |                     |             |            |           |            |            |              |
|                       | SS 5025   | 25.0         | 15.0-19.5  |                     |             |            |           |            |            |              |
|                       | SS 5030   | 30.0         | 19.5-25.0  |                     |             |            |           |            |            |              |
| 6.0<br>+0.08<br>-0.15 | SS 6010   | 10.0         | 3.0-4.0    | 12<br>+0.0<br>-1.5  | 1.5<br>±0.4 | 6.1        | 30        | 3.40       | 4300       | 4800         |
|                       | SS 6012   | 12.0         | 4.0-6.0    |                     |             |            |           |            |            |              |
|                       | SS 6015   | 15.0         | 6.0-9.0    |                     |             |            |           |            |            |              |
|                       | SS 6018   | 18.0         | 10.0-12.0  |                     |             |            |           |            |            |              |
|                       | SS 6020   | 20.0         | 10.0-14.0  |                     |             |            |           |            |            |              |
|                       | SS 6025   | 25.0         | 14.0-19.0  |                     |             |            |           |            |            |              |
|                       | SS 6030   | 30.0         | 19.0-24.0  |                     |             |            |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 | SS 6412   | 12.0         | 4.0-6.0    | 13<br>+0.0<br>-1.5  | 1.8<br>±0.4 | 6.5        | 30        | 3.80       | 4900       | 5700         |
|                       | SS 6415   | 15.0         | 5.0-8.0    |                     |             |            |           |            |            |              |
|                       | SS 6418   | 18.0         | 7.0-11.0   |                     |             |            |           |            |            |              |
|                       | SS 6420   | 20.0         | 9.0-13.0   |                     |             |            |           |            |            |              |
|                       | SS 6422   | 22.0         | 13.0-16.0  |                     |             |            |           |            |            |              |
|                       | SS 6425   | 25.0         | 13.0-19.0  |                     |             |            |           |            |            |              |
|                       | SS 6430   | 30.0         | 19.0-24.0  |                     |             |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

**SSC Series**

**CSK HEAD**



**MATERIAL**  
 Body : Steel  
 Mandrel : Steel

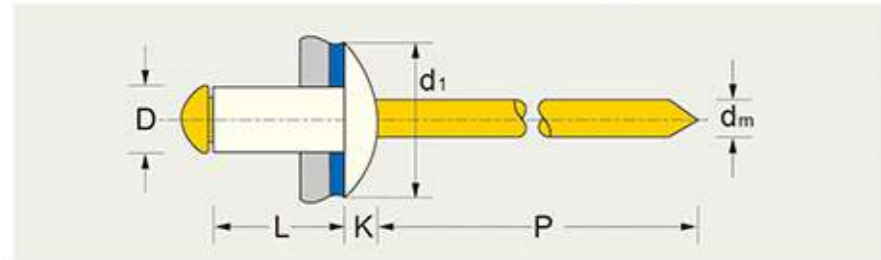
**FINISH**  
 Body : Zinc Plated  
 Mandrel : Zinc Plated

| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Ref. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | SSC 3006              | 6.0          | 1.5-3.0    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.1        | 25        | 1.92       | 950        | 1100         |
|                       | SSC 3008              | 8.0          | 3.0-5.0    |                     |           |            |           |            |            |              |
|                       | SSC 3010              | 10.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | SSC 3012              | 12.0         | 6.5-8.0    |                     |           |            |           |            |            |              |
|                       | SSC 3014              | 14.0         | 8.0-10.0   |                     |           |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | SSC 3206              | 6.0          | 1.5-3.0    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.95       | 1100       | 1200         |
|                       | SSC 3208              | 8.0          | 3.0-5.0    |                     |           |            |           |            |            |              |
|                       | SSC 3210              | 10.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | SSC 3212              | 12.0         | 6.5-8.0    |                     |           |            |           |            |            |              |
|                       | SSC 3214              | 14.0         | 8.0-10.0   |                     |           |            |           |            |            |              |
| SSC 3216              | 16.0                  | 8.0-12.0     |            |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | SSC 4006              | 6.0          | 2.0-3.0    | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.45       | 1700       | 2200         |
|                       | SSC 4008              | 8.0          | 3.0-5.0    |                     |           |            |           |            |            |              |
|                       | SSC 4010              | 10.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | SSC 4012              | 12.0         | 6.5-8.0    |                     |           |            |           |            |            |              |
|                       | SSC 4014              | 14.0         | 8.0-10.0   |                     |           |            |           |            |            |              |
|                       | SSC 4016              | 16.0         | 8.0-12.0   |                     |           |            |           |            |            |              |
|                       | SSC 4018              | 18.0         | 12.0-14.0  |                     |           |            |           |            |            |              |
| SSC 4020              | 20.0                  | 12.0-16.0    |            |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | SSC 4808              | 8.0          | 2.5-4.0    | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 2.90       | 2900       | 3100         |
|                       | SSC 4810              | 10.0         | 4.0-6.0    |                     |           |            |           |            |            |              |
|                       | SSC 4812              | 12.0         | 6.0-8.0    |                     |           |            |           |            |            |              |
|                       | SSC 4814              | 14.0         | 6.0-9.0    |                     |           |            |           |            |            |              |
|                       | SSC 4816              | 16.0         | 8.0-11.0   |                     |           |            |           |            |            |              |
|                       | SSC 4818              | 18.0         | 11.0-13.0  |                     |           |            |           |            |            |              |
|                       | SSC 4820              | 20.0         | 11.0-15.0  |                     |           |            |           |            |            |              |
|                       | SSC 4825              | 25.0         | 15.0-19.5  |                     |           |            |           |            |            |              |
|                       | 5.0<br>+0.08<br>-0.15 | SSC 5008     | 8.0        |                     |           |            |           |            |            |              |
| SSC 5010              |                       | 10.0         | 4.0-6.0    |                     |           |            |           |            |            |              |
| SSC 5012              |                       | 12.0         | 6.0-8.0    |                     |           |            |           |            |            |              |
| SSC 5014              |                       | 14.0         | 6.0-9.0    |                     |           |            |           |            |            |              |
| SSC 5016              |                       | 16.0         | 8.0-11.0   |                     |           |            |           |            |            |              |
| SSC 5018              |                       | 18.0         | 11.0-13.0  |                     |           |            |           |            |            |              |
| SSC 5020              |                       | 20.0         | 11.0-15.0  |                     |           |            |           |            |            |              |
| SSC 5025              |                       | 25.0         | 15.0-19.5  |                     |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

## SS-LF Series

### LARGE HEAD



#### MATERIAL

- Body : Steel
  - Mandrel : Steel
- #### FINISH
- Body : Zinc Plated
  - Mandrel : Zinc Plated

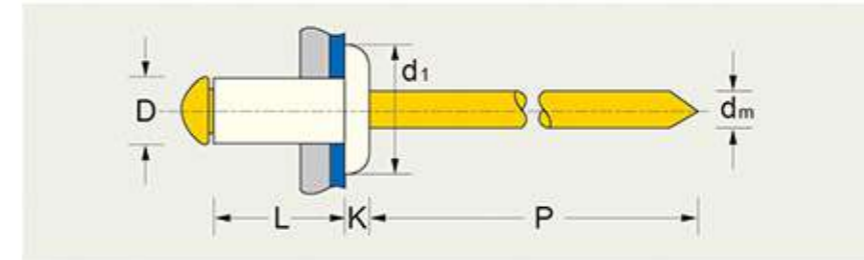
| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |         |                      |     |     |    |      |      |      |
|-----------------------|-----------------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|---------|----------------------|-----|-----|----|------|------|------|
| 3.2<br>+0.08<br>-0.15 | SS-LF 3206            | 6.0          | 0.5-3.0    | 9.5<br>+0.3<br>-0.7  | 2.0       | 3.3        | 27        | 1.95       | 1100       | 1200         |         |                      |     |     |    |      |      |      |
|                       | SS-LF 3208            | 8.0          | 3.0-5.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 3210            | 10.0         | 5.0-6.5    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 3212            | 12.0         | 6.5-8.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 3214            | 14.0         | 9.0-11.0   |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 3216            | 16.0         | 8.0-12.0   |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | SS-LF 4006            | 6.0          | 1.0-3.0    | 12.0<br>+0.5<br>-1.0 | 2.2       | 4.1        | 28        | 2.45       | 1700       | 2200         |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4008            | 8.0          | 3.0-5.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4010            | 10.0         | 5.0-6.5    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4012            | 12.0         | 6.5-9.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4014            | 14.0         | 8.5-10.0   |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4016            | 16.0         | 9.0-12.0   |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4018            | 18.0         | 12.0-14.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4020            | 20.0         | 12.0-16.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 4025            | 25.0                  | 16.0-20.0    |            |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| 4.8<br>+0.08<br>-0.15 | SS-LF 4808            | 8.0          | 2.5-4.0    | 16.0<br>+0.5<br>-1.0 | 2.5       | 4.9        | 28        | 2.90       | 2900       | 3100         |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4810            | 10.0         | 4.0-6.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4812            | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4814            | 14.0         | 7.5-9.5    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4816            | 16.0         | 8.0-11.0   |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4818            | 18.0         | 10.0-13.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4820            | 20.0         | 11.0-15.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4822            | 22.0         | 13.0-16.5  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4824            | 24.0         | 15.0-18.5  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4825            | 25.0         | 15.0-19.5  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4830            | 30.0         | 19.5-25.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | SS-LF 4835            | 35.0         | 25.0-30.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
|                       | 5.0<br>+0.08<br>-0.15 | SS-LF 5008   | 8.0        |                      |           |            |           |            |            |              | 2.5-4.0 | 16.0<br>+0.5<br>-1.0 | 2.5 | 5.1 | 29 | 2.90 | 3100 | 4000 |
|                       |                       | SS-LF 5010   | 10.0       |                      |           |            |           |            |            |              | 4.0-6.0 |                      |     |     |    |      |      |      |
| SS-LF 5012            |                       | 12.0         | 6.0-8.0    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 5014            |                       | 14.0         | 7.5-9.5    |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 5016            |                       | 16.0         | 8.0-11.0   |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 5018            |                       | 18.0         | 10.0-13.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 5020            |                       | 20.0         | 11.0-15.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 5025            |                       | 25.0         | 15.0-19.5  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |
| SS-LF 5030            |                       | 30.0         | 19.5-25.0  |                      |           |            |           |            |            |              |         |                      |     |     |    |      |      |      |

Colored Rivets. Other Size. Special Request: Contact Us

Large Head 11mm & 16mm For 4.8mm & 5.0mm Rivets: Contact Us

## BB Series

### DOME HEAD



#### MATERIAL

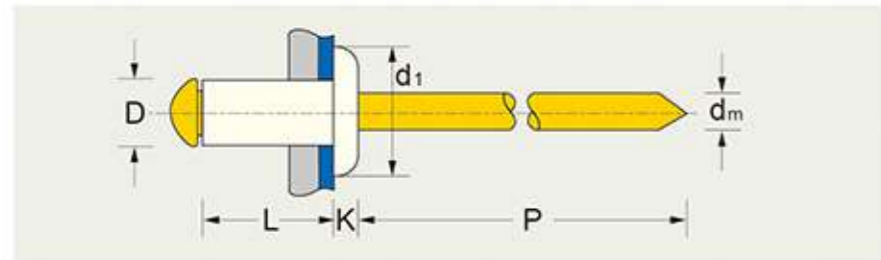
- Body : Stainless Steel
  - Mandrel : Stainless Steel
- #### FINISH
- Body : Polished
  - Mandrel : Polished

| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>                       | K<br>Max.    | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                                      |                     |             |
|-----------------------|-----------------------|--------------|------------|--------------------------------------|--------------|------------|-----------|------------|------------|--------------|--------------------------------------|---------------------|-------------|
| 3.0<br>+0.08<br>-0.15 | BB 3006               | 6.0          | 0.5-3.0    | 6.5<br>+0.0<br>-0.7                  | 0.80<br>±0.3 | 3.1        | 25        | 1.95       | 1800       | 2200         |                                      |                     |             |
|                       | BB 3008               | 8.0          | 3.0-5.0    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3010               | 10.0         | 5.0-6.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3012               | 12.0         | 6.5-8.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3015               | 15.0         | 9.0-11.5   |                                      |              |            |           |            |            |              |                                      |                     |             |
| 3.2<br>+0.08<br>-0.15 | BB 3206               | 6.0          | 0.5-3.0    | 6.5<br>+0.0<br>-0.7                  | 0.80<br>±0.3 | 3.3        | 27        | 1.95       | 1900       | 2500         |                                      |                     |             |
|                       | BB 3208               | 8.0          | 3.0-5.0    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3210               | 10.0         | 5.0-6.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3212               | 12.0         | 6.5-8.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3214               | 14.0         | 8.5-10.5   |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 3216               | 16.0         | 10.5-12.5  |                                      |              |            |           |            |            |              |                                      |                     |             |
| 4.0<br>+0.08<br>-0.15 | BB 4006               | 6.0          | 1.0-2.5    | 8.0<br>+0.0<br>-1.0                  | 1.0<br>±0.3  | 4.1        | 28        | 2.45       | 2700       | 3500         |                                      |                     |             |
|                       | BB 4008               | 8.0          | 2.5-4.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4010               | 10.0         | 4.5-6.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4012               | 12.0         | 6.5-8.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4014               | 14.0         | 8.5-10.0   |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4016               | 16.0         | 10.0-12.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4018               | 18.0         | 12.0-14.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4020               | 20.0         | 14.0-16.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
|                       | BB 4025               | 25.0         | 16.0-21.0  |                                      |              |            |           |            |            |              | L≥25mm, Body made of sheet Material. |                     |             |
|                       | 4.8<br>+0.08<br>-0.15 | BB 4808      | 8.0        |                                      |              |            |           |            |            |              | 2.0-4.0                              | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4 |
| BB 4810               |                       | 10.0         | 4.0-6.0    |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4812               |                       | 12.0         | 6.0-8.0    |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4814               |                       | 14.0         | 6.0-9.5    |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4816               |                       | 16.0         | 8.0-11.0   |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4818               |                       | 18.0         | 11.0-13.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4820               |                       | 20.0         | 13.0-16.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4822               |                       | 22.0         | 13.0-17.5  |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4825               |                       | 25.0         | 16.0-19.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4830               |                       | 30.0         | 20.0-25.0  | L≥30mm, Body made of sheet Material. |              |            |           |            |            |              |                                      |                     |             |
| BB 4835               |                       | 35.0         | 25.0-30.0  |                                      |              |            |           |            |            |              |                                      |                     |             |
| BB 4840               | 40.0                  | 30.0-35.0    |            |                                      |              |            |           |            |            |              |                                      |                     |             |

To be continued

**BB Series**

**DOME HEAD**



**MATERIAL**  
 Body : Stainless Steel  
 Mandrel : Stainless Steel

**FINISH**  
 Body : Polished  
 Mandrel : Polished

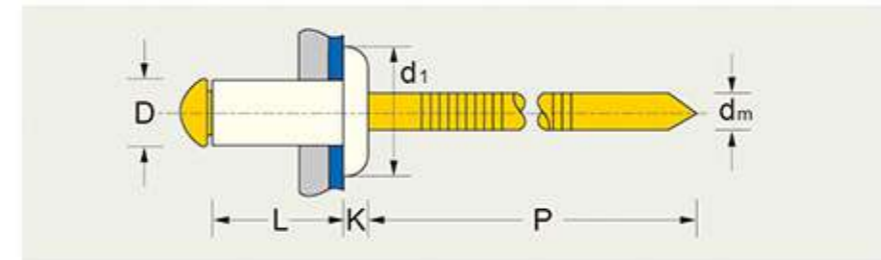
| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max.   | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                                      |  |  |
|-----------------------|-----------|--------------|------------|---------------------|-------------|------------|-----------|------------|------------|--------------|--------------------------------------|--|--|
| 5.0<br>+0.08<br>-0.15 | BB 5008   | 8.0          | 2.0-4.0    | 9.5<br>+0.3<br>-1.0 | 2.5         | 5.1        | 29        | 2.85       | 4700       | 5800         |                                      |  |  |
|                       | BB 5010   | 10.0         | 4.0-6.0    |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5012   | 12.0         | 6.0-8.0    |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5014   | 14.0         | 6.0-9.0    |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5016   | 16.0         | 8.0-11.0   |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5018   | 18.0         | 11.0-13.0  |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5020   | 20.0         | 13.0-16.0  |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5025   | 25.0         | 16.0-20.0  |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 5030   | 30.0         | 20.0-25.0  |                     |             |            |           |            |            |              | L≥30mm, Body made of sheet Material. |  |  |
| 6.0<br>+0.08<br>-0.15 | BB 6010   | 10.0         | 3.0-4.0    | 12<br>+0.0<br>-1.5  | 1.5<br>±0.4 | 6.1        | 30        | 3.60       | 5700       | 7500         |                                      |  |  |
|                       | BB 6012   | 12.0         | 4.0-6.0    |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6015   | 15.0         | 6.0-9.0    |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6018   | 18.0         | 9.0-12.0   |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6020   | 20.0         | 10.0-14.0  |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6025   | 25.0         | 14.0-19.0  |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
|                       | BB 6030   | 30.0         | 19.0-24.0  |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
| 6.4<br>+0.08<br>-0.15 | BB 6412   | 12.0         | 4.0-6.0    | 13<br>+0.0<br>-1.5  | 1.8<br>±0.4 | 6.5        | 30        | 3.80       | 7570       | 9350         |                                      |  |  |
|                       | BB 6415   | 15.0         | 6.0-9.0    |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6418   | 18.0         | 9.0-12.0   |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6420   | 20.0         | 12.0-14.0  |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB 6425   | 25.0         | 14.0-19.0  |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
|                       | BB 6428   | 28.0         | 19.0-22.0  |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
|                       | BB 6430   | 30.0         | 22.0-24.0  |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |

Colored Rivets. Other Size. Special Request: Contact Us  
 If mandrel is grooved, Art code will be BB-S

A2(304) & A4(316) blind rivets are available

**BB-S Series**

**DOME HEAD**



**MATERIAL**  
 Body : Stainless Steel  
 Mandrel : Stainless Steel

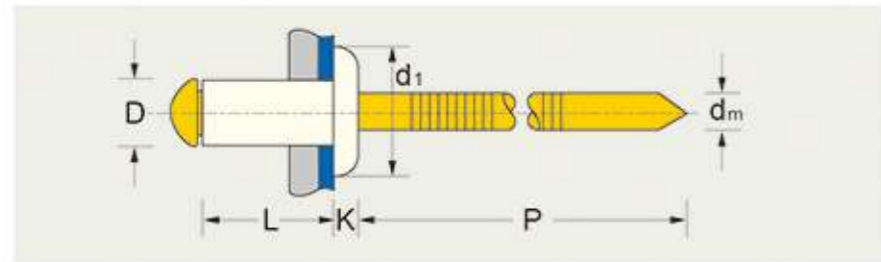
**FINISH**  
 Body : Polished  
 Mandrel : Polished

| D                     | Art. Code | L<br>[+1/-0] | Grip Range                           | d <sub>1</sub>      | K<br>Max.    | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                                      |  |  |
|-----------------------|-----------|--------------|--------------------------------------|---------------------|--------------|------------|-----------|------------|------------|--------------|--------------------------------------|--|--|
| 3.0<br>+0.08<br>-0.15 | BB-S 3006 | 6.0          | 0.5-3.0                              | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.1        | 25        | 1.95       | 1800       | 2200         |                                      |  |  |
|                       | BB-S 3008 | 8.0          | 3.0-5.0                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3010 | 10.0         | 5.0-6.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3012 | 12.0         | 6.5-8.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3015 | 15.0         | 9.0-11.5                             |                     |              |            |           |            |            |              |                                      |  |  |
| 3.2<br>+0.08<br>-0.15 | BB-S 3206 | 6.0          | 0.5-3.0                              | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.3        | 27        | 1.95       | 1900       | 2500         |                                      |  |  |
|                       | BB-S 3208 | 8.0          | 3.0-5.0                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3210 | 10.0         | 5.0-6.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3212 | 12.0         | 6.5-8.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3214 | 14.0         | 8.5-10.5                             |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 3216 | 16.0         | 10.5-12.5                            |                     |              |            |           |            |            |              |                                      |  |  |
| 4.0<br>+0.08<br>-0.15 | BB-S 4006 | 6.0          | 1.0-2.5                              | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.3  | 4.1        | 28        | 2.45       | 2700       | 3500         |                                      |  |  |
|                       | BB-S 4008 | 8.0          | 2.5-4.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4010 | 10.0         | 4.5-6.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4012 | 12.0         | 6.5-8.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4014 | 14.0         | 8.5-10.0                             |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4016 | 16.0         | 10.0-12.0                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4018 | 18.0         | 12.0-14.0                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4020 | 20.0         | 14.0-16.0                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4025 | 25.0         | 16.0-21.0                            |                     |              |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
| 4.8<br>+0.08<br>-0.15 | BB-S 4808 | 8.0          | 2.0-4.0                              | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4  | 4.9        | 28        | 2.85       | 4000       | 5000         |                                      |  |  |
|                       | BB-S 4810 | 10.0         | 4.0-6.0                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4812 | 12.0         | 6.0-8.0                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4814 | 14.0         | 6.0-9.5                              |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4816 | 16.0         | 8.0-11.0                             |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4818 | 18.0         | 11.0-13.0                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4820 | 20.0         | 13.0-16.0                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4822 | 22.0         | 13.0-17.5                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4825 | 25.0         | 16.0-19.0                            |                     |              |            |           |            |            |              |                                      |  |  |
|                       | BB-S 4830 | 30.0         | 20.0-25.0                            |                     |              |            |           |            |            |              | L≥30mm, Body made of sheet Material. |  |  |
|                       | BB-S 4835 | 35.0         | 25.0-30.0                            |                     |              |            |           |            |            |              | L≥30mm, Body made of sheet Material. |  |  |
| BB-S 4840             | 40.0      | 30.0-35.0    | L≥30mm, Body made of sheet Material. |                     |              |            |           |            |            |              |                                      |  |  |

To be continued

## BB-S Series

### DOME HEAD



**MATERIAL**  
 Body : Stainless Steel  
 Mandrel : Stainless Steel

**FINISH**  
 Body : Polished  
 Mandrel : Polished

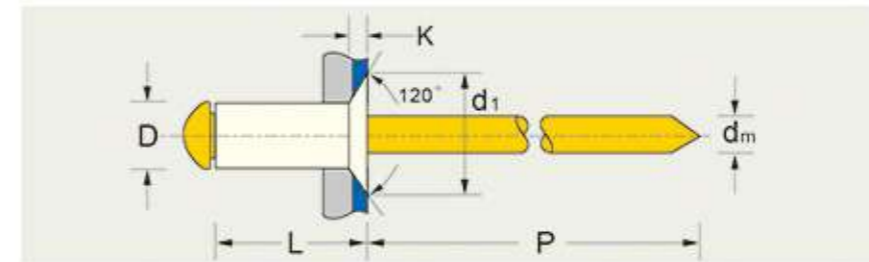
| D                     | Art. Code | L<br>[+1/-0] | Grip Range<br><i>mm</i>              | d <sub>1</sub>      | K<br>Max.   | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                                      |  |  |
|-----------------------|-----------|--------------|--------------------------------------|---------------------|-------------|------------|-----------|------------|------------|--------------|--------------------------------------|--|--|
| 5.0<br>+0.08<br>-0.15 | BB-S 5008 | 8.0          | 2.0-4.0                              | 9.5<br>+0.3<br>-1.0 | 2.5         | 5.1        | 29        | 2.85       | 4700       | 5800         |                                      |  |  |
|                       | BB-S 5010 | 10.0         | 4.0-6.0                              |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5012 | 12.0         | 6.0-8.0                              |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5014 | 14.0         | 6.0-9.0                              |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5016 | 16.0         | 8.0-11.0                             |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5018 | 18.0         | 11.0-13.0                            |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5020 | 20.0         | 13.0-16.0                            |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5025 | 25.0         | 16.0-20.0                            |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 5030 | 30.0         | 20.0-25.0                            |                     |             |            |           |            |            |              | L≥30mm, Body made of sheet Material. |  |  |
| 6.0<br>+0.08<br>-0.15 | BB-S 6010 | 10.0         | 3.0-4.0                              | 12<br>+0.0<br>-1.5  | 1.5<br>±0.4 | 6.1        | 30        | 3.60       | 5700       | 7500         |                                      |  |  |
|                       | BB-S 6012 | 12.0         | 4.0-6.0                              |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6015 | 15.0         | 6.0-9.0                              |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6018 | 18.0         | 9.0-12.0                             |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6020 | 20.0         | 10.0-14.0                            |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6025 | 25.0         | 14.0-19.0                            |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
| BB-S 6030             | 30.0      | 19.0-24.0    | L≥25mm, Body made of sheet Material. |                     |             |            |           |            |            |              |                                      |  |  |
| 6.4<br>+0.08<br>-0.15 | BB-S 6412 | 12.0         | 4.0-6.0                              | 13<br>+0.0<br>-1.5  | 1.8<br>±0.4 | 6.5        | 30        | 3.80       | 7570       | 9350         |                                      |  |  |
|                       | BB-S 6415 | 15.0         | 6.0-9.0                              |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6418 | 18.0         | 9.0-12.0                             |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6420 | 20.0         | 12.0-14.0                            |                     |             |            |           |            |            |              |                                      |  |  |
|                       | BB-S 6425 | 25.0         | 14.0-19.0                            |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
|                       | BB-S 6428 | 28.0         | 19.0-22.0                            |                     |             |            |           |            |            |              | L≥25mm, Body made of sheet Material. |  |  |
| BB-S 6430             | 30.0      | 22.0-24.0    | L≥25mm, Body made of sheet Material. |                     |             |            |           |            |            |              |                                      |  |  |

Colored Rivets. Other Size. Special Request: Contact Us  
 If mandrel is grooved, Art code will be BB-S

A2(304) & A4(316) blind rivets are available

## BBC Series

### CSK HEAD



**MATERIAL**  
 Body : Stainless Steel  
 Mandrel : Stainless Steel

**FINISH**  
 Body : Polished  
 Mandrel : Polished

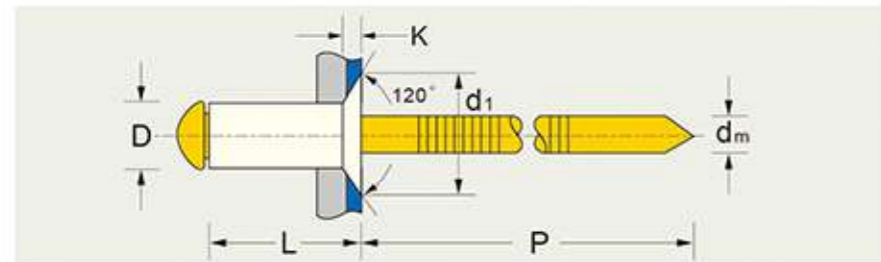
| D                     | Art. Code | L<br>[+1/-0] | Grip Range<br><i>mm</i> | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|-------------------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | BBC 3006  | 6.0          | 1.5-3.0                 | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.1        | 25        | 1.95       | 1800       | 2200         |
|                       | BBC 3008  | 8.0          | 3.0-5.0                 |                     |           |            |           |            |            |              |
|                       | BBC 3010  | 10.0         | 5.0-6.5                 |                     |           |            |           |            |            |              |
|                       | BBC 3012  | 12.0         | 6.5-8.5                 |                     |           |            |           |            |            |              |
|                       | BBC 3014  | 14.0         | 8.5-10.5                |                     |           |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | BBC 3206  | 6.0          | 1.5-3.0                 | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.95       | 1900       | 2500         |
|                       | BBC 3208  | 8.0          | 3.0-5.0                 |                     |           |            |           |            |            |              |
|                       | BBC 3210  | 10.0         | 5.0-6.5                 |                     |           |            |           |            |            |              |
|                       | BBC 3212  | 12.0         | 6.5-8.5                 |                     |           |            |           |            |            |              |
|                       | BBC 3214  | 14.0         | 8.5-10.5                |                     |           |            |           |            |            |              |
|                       | BBC 3216  | 16.0         | 10.5-12.5               |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | BBC 4006  | 6.0          | 1.5-2.5                 | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.45       | 2700       | 3500         |
|                       | BBC 4008  | 8.0          | 2.5-4.5                 |                     |           |            |           |            |            |              |
|                       | BBC 4010  | 10.0         | 4.5-6.5                 |                     |           |            |           |            |            |              |
|                       | BBC 4012  | 12.0         | 6.5-8.5                 |                     |           |            |           |            |            |              |
|                       | BBC 4014  | 14.0         | 8.5-10.0                |                     |           |            |           |            |            |              |
|                       | BBC 4016  | 16.0         | 10.0-12.0               |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | BBC 4808  | 8.0          | 2.5-4.0                 | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 2.85       | 4000       | 5000         |
|                       | BBC 4810  | 10.0         | 4.0-6.0                 |                     |           |            |           |            |            |              |
|                       | BBC 4812  | 12.0         | 6.0-8.0                 |                     |           |            |           |            |            |              |
|                       | BBC 4814  | 14.0         | 6.0-9.0                 |                     |           |            |           |            |            |              |
|                       | BBC 4816  | 16.0         | 8.0-11.0                |                     |           |            |           |            |            |              |
|                       | BBC 4818  | 18.0         | 11.0-13.0               |                     |           |            |           |            |            |              |
|                       | BBC 4820  | 20.0         | 13.0-15.0               |                     |           |            |           |            |            |              |
|                       | BBC 4825  | 25.0         | 15.0-20.0               |                     |           |            |           |            |            |              |
| 5.0<br>+0.08<br>-0.15 | BBC 5008  | 8.0          | 2.5-4.5                 | 9.0<br>+0.0<br>-0.5 | 1.2       | 5.1        | 29        | 2.85       | 4700       | 5800         |
|                       | BBC 5010  | 10.0         | 4.5-6.0                 |                     |           |            |           |            |            |              |
|                       | BBC 5012  | 12.0         | 6.0-8.0                 |                     |           |            |           |            |            |              |
|                       | BBC 5014  | 14.0         | 6.0-9.0                 |                     |           |            |           |            |            |              |
|                       | BBC 5016  | 16.0         | 8.0-11.0                |                     |           |            |           |            |            |              |
|                       | BBC 5018  | 18.0         | 11.0-13.0               |                     |           |            |           |            |            |              |
|                       | BBC 5020  | 20.0         | 13.0-15.0               |                     |           |            |           |            |            |              |
|                       | BBC 5025  | 25.0         | 15.0-20.0               |                     |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us  
 If mandrel is grooved, Art code will be BBC-S

A2(304) & A4(316) blind rivets are available

## BBC-S Series

### CSK HEAD



#### MATERIAL

Body : Stainless Steel  
Mandrel : Stainless Steel

FINISH  
Body : Polished  
Mandrel : Polished

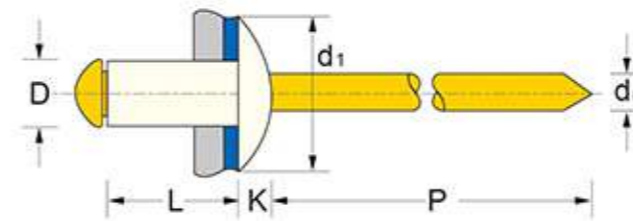
| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                     |     |     |    |      |      |      |
|-----------------------|------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|---------------------|-----|-----|----|------|------|------|
| 3.0<br>+0.08<br>-0.15 | BBC-S 3006 | 6.0          | 1.5-3.0    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.1        | 25        | 1.95       | 1800       | 2200         |                     |     |     |    |      |      |      |
|                       | BBC-S 3008 | 8.0          | 3.0-5.0    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3010 | 10.0         | 5.0-6.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3012 | 12.0         | 6.5-8.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3014 | 14.0         | 8.5-10.5   |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| 3.2<br>+0.08<br>-0.15 | BBC-S 3206 | 6.0          | 1.5-3.0    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.95       | 1900       | 2500         |                     |     |     |    |      |      |      |
|                       | BBC-S 3208 | 8.0          | 3.0-5.0    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3210 | 10.0         | 5.0-6.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3212 | 12.0         | 6.5-8.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3214 | 14.0         | 8.5-10.5   |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 3216 | 16.0         | 10.5-12.5  |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | BBC-S 4006 | 6.0          | 1.5-2.5    | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.45       | 2700       | 3500         |                     |     |     |    |      |      |      |
|                       | BBC-S 4008 | 8.0          | 2.5-4.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4010 | 10.0         | 4.5-6.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4012 | 12.0         | 6.5-8.5    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4014 | 14.0         | 8.5-10.0   |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4016 | 16.0         | 10.0-12.0  |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| 4.8<br>+0.08<br>-0.15 | BBC-S 4808 | 8.0          | 2.5-4.0    | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 2.85       | 4000       | 5000         |                     |     |     |    |      |      |      |
|                       | BBC-S 4810 | 10.0         | 4.0-6.0    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4812 | 12.0         | 6.0-8.0    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4814 | 14.0         | 6.0-9.0    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4816 | 16.0         | 8.0-11.0   |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4818 | 18.0         | 11.0-13.0  |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4820 | 20.0         | 13.0-15.0  |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 4825 | 25.0         | 15.0-20.0  |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
|                       | BBC-S 5008 | 8.0          | 2.5-4.5    |                     |           |            |           |            |            |              | 9.0<br>+0.0<br>-0.5 | 1.2 | 5.1 | 29 | 2.85 | 4700 | 5800 |
|                       | BBC-S 5010 | 10.0         | 4.5-6.0    |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| BBC-S 5012            | 12.0       | 6.0-8.0      |            |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| BBC-S 5014            | 14.0       | 6.0-9.0      |            |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| BBC-S 5016            | 16.0       | 8.0-11.0     |            |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| BBC-S 5018            | 18.0       | 11.0-13.0    |            |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| BBC-S 5020            | 20.0       | 13.0-15.0    |            |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |
| BBC-S 5025            | 25.0       | 15.0-20.0    |            |                     |           |            |           |            |            |              |                     |     |     |    |      |      |      |

Colored Rivets. Other Size. Special Request: Contact Us  
If mandrel is grooved, Art code will be BBC-S

A2(304) & A4(316) blind rivets are available

## BBLF Series

### LARGE HEAD



#### MATERIAL

Body : Stainless Steel  
Mandrel : Stainless Steel

FINISH  
Body : Polished  
Mandrel : Polished

| D                     | Art. Code | L<br>[+1/-0] | Grip Range                           | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                                      |     |     |    |      |      |      |
|-----------------------|-----------|--------------|--------------------------------------|----------------------|-----------|------------|-----------|------------|------------|--------------|--------------------------------------|-----|-----|----|------|------|------|
| 3.2<br>+0.08<br>-0.15 | BBLF 3206 | 6.0          | 0.5-3.0                              | 9.5<br>+0.3<br>-0.7  | 2.0       | 3.3        | 27        | 1.95       | 1900       | 2500         |                                      |     |     |    |      |      |      |
|                       | BBLF 3208 | 8.0          | 3.0-5.0                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 3210 | 10.0         | 5.0-6.5                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 3212 | 12.0         | 6.5-8.5                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 3214 | 14.0         | 8.5-10.5                             |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 3216 | 16.0         | 10.5-12.5                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | BBLF 4006 | 6.0          | 1.0-2.5                              | 12.0<br>+0.5<br>-1.0 | 2.2       | 4.1        | 28        | 2.45       | 2700       | 3500         |                                      |     |     |    |      |      |      |
|                       | BBLF 4008 | 8.0          | 2.5-4.5                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4010 | 10.0         | 4.5-6.5                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4012 | 12.0         | 6.5-8.5                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4014 | 14.0         | 8.5-10.0                             |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4016 | 16.0         | 10.0-12.0                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4018 | 18.0         | 12.0-14.0                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4020 | 20.0         | 14.0-16.0                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 4025 | 25.0         | 16.0-21.0                            |                      |           |            |           |            |            |              | L≥25mm, Body made of sheet Material. |     |     |    |      |      |      |
|                       | BBLF 4808 | 8.0          | 2.0-4.0                              |                      |           |            |           |            |            |              | 16.0<br>+0.5<br>-1.0                 | 2.5 | 4.9 | 28 | 2.85 | 4000 | 5000 |
|                       | BBLF 4810 | 10.0         | 4.0-6.0                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4812             | 12.0      | 6.0-8.0      |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4814             | 14.0      | 6.0-9.5      |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4816             | 16.0      | 8.0-11.0     |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4818             | 18.0      | 11.0-13.0    |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4820             | 20.0      | 13.0-16.0    |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4822             | 22.0      | 13.0-17.5    |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4824             | 24.0      | 16.0-18.0    |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4825             | 25.0      | 16.0-20.0    |                                      |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4830             | 30.0      | 21.0-25.0    | L≥30mm, Body made of sheet Material. |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| BBLF 4835             | 35.0      | 25.0-30.0    | L≥30mm, Body made of sheet Material. |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
| 5.0<br>+0.08<br>-0.15 | BBLF 5008 | 8.0          | 1.0-4.0                              | 16.0<br>+0.5<br>-1.0 | 2.5       | 5.1        | 29        | 2.85       | 4700       | 5800         |                                      |     |     |    |      |      |      |
|                       | BBLF 5010 | 10.0         | 4.0-6.0                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5012 | 12.0         | 6.0-8.0                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5014 | 14.0         | 6.0-9.5                              |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5016 | 16.0         | 8.0-11.0                             |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5018 | 18.0         | 11.0-13.0                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5020 | 20.0         | 13.0-16.0                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5025 | 25.0         | 16.0-20.0                            |                      |           |            |           |            |            |              |                                      |     |     |    |      |      |      |
|                       | BBLF 5030 | 30.0         | 21.0-25.0                            |                      |           |            |           |            |            |              | L≥30mm, Body made of sheet Material. |     |     |    |      |      |      |

Colored Rivets. Other Size. Special Request: Contact Us  
Large Head 11mm & 14mm For 4.8mm Rivets: Contact Us

A2(304) & A4(316) blind rivets are available  
If mandrel is grooved, Art code will be BBLF-S



## BBLF Series

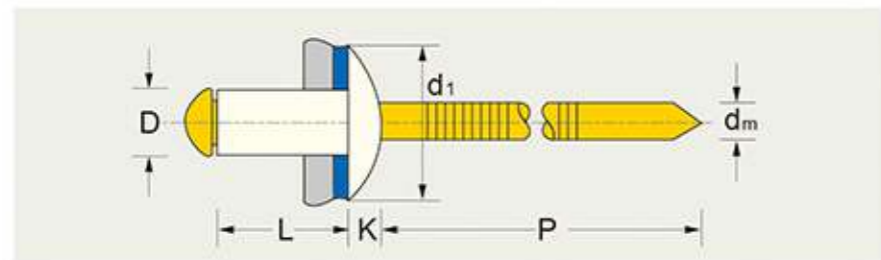
### LARGE HEAD

#### MATERIAL

Body : Stainless Steel  
Mandrel : Stainless Steel

#### FINISH

Body : Polished  
Mandrel : Polished



| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>                       | K<br>Max.            | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |                                      |                      |     |     |    |      |      |      |
|-----------------------|-----------------------|--------------|------------|--------------------------------------|----------------------|------------|-----------|------------|------------|--------------|--------------------------------------|----------------------|-----|-----|----|------|------|------|
| 3.2<br>+0.08<br>-0.15 | BBLF-S 3206           | 6.0          | 0.5-3.0    | 9.5<br>+0.3<br>-0.7                  | 2.0                  | 3.3        | 27        | 1.95       | 1900       | 2500         |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 3208           | 8.0          | 3.0-5.0    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 3210           | 10.0         | 5.0-6.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 3212           | 12.0         | 6.5-8.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 3214           | 14.0         | 8.5-10.5   |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 3216           | 16.0         | 10.5-12.5  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| 4.0<br>+0.08<br>-0.15 | BBLF-S 4006           | 6.0          | 1.0-2.5    | 12.0<br>+0.5<br>-1.0                 | 2.2                  | 4.1        | 28        | 2.45       | 2700       | 3500         |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4008           | 8.0          | 2.5-4.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4010           | 10.0         | 4.5-6.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4012           | 12.0         | 6.5-8.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4014           | 14.0         | 8.5-10.0   |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4016           | 16.0         | 10.0-12.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4018           | 18.0         | 12.0-14.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4020           | 20.0         | 14.0-16.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 4025           | 25.0         | 16.0-21.0  |                                      |                      |            |           |            |            |              | L≥25mm, Body made of sheet Material. |                      |     |     |    |      |      |      |
|                       | 4.8<br>+0.08<br>-0.15 | BBLF-S 4808  | 8.0        |                                      |                      |            |           |            |            |              | 2.0-4.0                              | 16.0<br>+0.5<br>-1.0 | 2.5 | 4.9 | 28 | 2.85 | 4000 | 5000 |
| BBLF-S 4810           |                       | 10.0         | 4.0-6.0    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4812           |                       | 12.0         | 6.0-8.0    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4814           |                       | 14.0         | 6.0-9.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4816           |                       | 16.0         | 8.0-11.0   |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4818           |                       | 18.0         | 11.0-13.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4820           |                       | 20.0         | 13.0-16.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4822           |                       | 22.0         | 13.0-17.5  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4824           |                       | 24.0         | 16.0-18.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4825           |                       | 25.0         | 16.0-20.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4830           |                       | 30.0         | 21.0-25.0  | L≥30mm, Body made of sheet Material. |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| BBLF-S 4835           |                       | 35.0         | 25.0-30.0  | L≥30mm, Body made of sheet Material. |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
| 5.0<br>+0.08<br>-0.15 |                       | BBLF-S 5008  | 8.0        | 1.0-4.0                              | 16.0<br>+0.5<br>-1.0 | 2.5        | 5.1       | 29         | 2.85       | 4700         | 5800                                 |                      |     |     |    |      |      |      |
|                       |                       | BBLF-S 5010  | 10.0       | 4.0-6.0                              |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5012           | 12.0         | 6.0-8.0    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5014           | 14.0         | 6.0-9.5    |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5016           | 16.0         | 8.0-11.0   |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5018           | 18.0         | 11.0-13.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5020           | 20.0         | 13.0-16.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5025           | 25.0         | 16.0-20.0  |                                      |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |
|                       | BBLF-S 5030           | 30.0         | 21.0-25.0  | L≥30mm, Body made of sheet Material. |                      |            |           |            |            |              |                                      |                      |     |     |    |      |      |      |

Colored Rivets. Other Size. Special Request: Contact Us  
Large Head 11mm & 14mm For 4.8mm Rivets: Contact Us

A2(304) & A4(316) blind rivets are available  
If mandrel is grooved, Art code will be BBLF-S

## BS Series

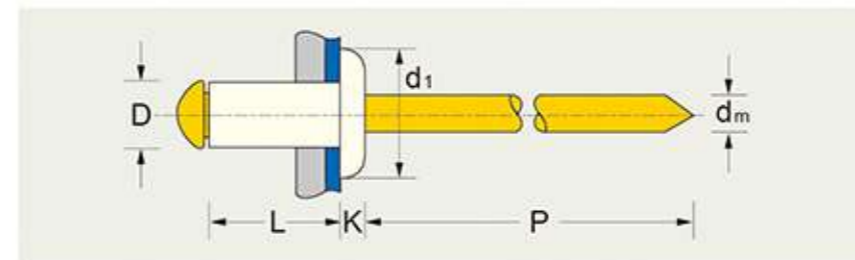
### DOME HEAD

#### MATERIAL

Body : Stainless Steel  
Mandrel : Steel

#### FINISH

Body : Polished  
Mandrel : Zinc Plated

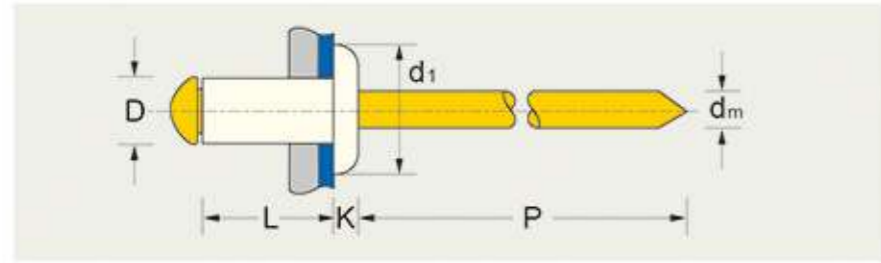


| D                     | Art. Code             | L<br>[+1/-0] | Grip Range | d <sub>1</sub>                       | K<br>Max.           | Drill<br>Φ  | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |         |                     |             |
|-----------------------|-----------------------|--------------|------------|--------------------------------------|---------------------|-------------|-----------|------------|------------|--------------|---------|---------------------|-------------|
| 3.0<br>+0.08<br>-0.15 | BS 3006               | 6.0          | 0.5-3.0    | 6.5<br>+0.0<br>-0.7                  | 0.80<br>±0.3        | 3.1         | 25        | 1.95       | 1800       | 2200         |         |                     |             |
|                       | BS 3008               | 8.0          | 3.0-5.0    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3010               | 10.0         | 5.0-6.5    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3012               | 12.0         | 6.5-8.5    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3015               | 15.0         | 8.5-11.5   |                                      |                     |             |           |            |            |              |         |                     |             |
| 3.2<br>+0.08<br>-0.15 | BS 3206               | 6.0          | 0.5-3.0    | 6.5<br>+0.0<br>-0.7                  | 0.80<br>±0.3        | 3.3         | 27        | 1.95       | 1900       | 2500         |         |                     |             |
|                       | BS 3208               | 8.0          | 3.0-5.0    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3210               | 10.0         | 5.0-6.5    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3212               | 12.0         | 6.5-8.5    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3214               | 14.0         | 8.5-10.5   |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 3216               | 16.0         | 10.5-12.5  |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | 4.0<br>+0.08<br>-0.15 | BS 4006      | 6.0        |                                      |                     |             |           |            |            |              | 1.0-2.5 | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.3 |
| BS 4008               |                       | 8.0          | 2.5-4.5    |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4010               |                       | 10.0         | 4.5-6.5    |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4012               |                       | 12.0         | 6.5-8.5    |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4014               |                       | 14.0         | 8.5-10.0   |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4016               |                       | 16.0         | 10.0-12.0  |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4018               |                       | 18.0         | 12.0-14.0  |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4020               |                       | 20.0         | 14.0-16.0  |                                      |                     |             |           |            |            |              |         |                     |             |
| BS 4025               |                       | 25.0         | 16.0-21.0  | L≥25mm, Body made of sheet Material. |                     |             |           |            |            |              |         |                     |             |
| 4.8<br>+0.08<br>-0.15 |                       | BS 4808      | 8.0        | 2.0-4.0                              | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4 | 4.9       | 28         | 3.0        | 4000         | 5000    |                     |             |
|                       | BS 4810               | 10.0         | 4.0-6.0    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4812               | 12.0         | 6.0-8.0    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4814               | 14.0         | 6.0-9.5    |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4816               | 16.0         | 8.0-11.0   |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4818               | 18.0         | 11.0-13.0  |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4820               | 20.0         | 13.0-16.0  |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4822               | 22.0         | 13.0-17.5  |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4825               | 25.0         | 16.0-20.0  |                                      |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4830               | 30.0         | 20.0-25.0  | L≥30mm, Body made of sheet Material. |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4835               | 35.0         | 25.0-30.0  | L≥30mm, Body made of sheet Material. |                     |             |           |            |            |              |         |                     |             |
|                       | BS 4840               | 40.0         | 30.0-35.0  | L≥30mm, Body made of sheet Material. |                     |             |           |            |            |              |         |                     |             |

To be continued

## BS Series

### DOME HEAD



**MATERIAL**  
 Body : Stainless Steel  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

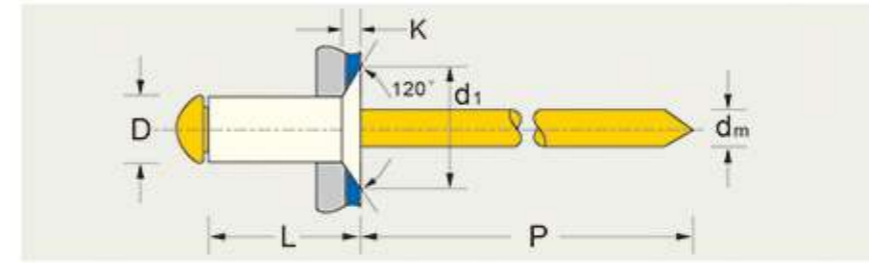
| D                     | Art. Code | L<br>[+1/-0] | Grip Range                             | d <sub>1</sub>      | K<br>Max.   | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |  |  |  |  |
|-----------------------|-----------|--------------|--|---------------------|-------------|------------|-----------|------------|------------|--------------|--|--|--|--|
| 5.0<br>+0.08<br>-0.15 | BS 5008   | 8.0          | 2.0-4.0                                | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4 | 5.1        | 29        | 3.00       | 4700       | 5800         |  |  |  |  |
|                       | BS 5010   | 10.0         | 4.0-6.0                                |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 5012   | 12.0         | 6.0-8.0                                |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 5014   | 14.0         | 6.0-9.0                                |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 5016   | 16.0         | 8.0-11.0                               |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 5018   | 18.0         | 11.0-13.0                              |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 5020   | 20.0         | 13.0-16.0                              |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 5025   | 25.0         | 16.0-20.0                              |                     |             |            |           |            |            |              | L ≥ 25mm, Body made of sheet Material. |  |  |  |
| BS 5030               | 30.0      | 20.0-25.0    | L ≥ 25mm, Body made of sheet Material. |                     |             |            |           |            |            |              |  |  |  |  |
| 6.0<br>+0.08<br>-0.15 | BS 6010   | 10.0         | 3.0-4.0                                | 12<br>+0.0<br>-1.5  | 1.5<br>±0.4 | 6.1        | 30        | 3.80       | 5700       | 7500         |  |  |  |  |
|                       | BS 6012   | 12.0         | 4.0-6.0                                |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6015   | 15.0         | 6.0-9.0                                |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6018   | 18.0         | 9.0-12.0                               |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6020   | 20.0         | 10.0-14.0                              |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6025   | 25.0         | 14.0-19.0                              |                     |             |            |           |            |            |              | L ≥ 25mm, Body made of sheet Material. |  |  |  |
| BS 6030               | 30.0      | 19.0-24.0    | L ≥ 25mm, Body made of sheet Material. |                     |             |            |           |            |            |              |  |  |  |  |
| 6.4<br>+0.08<br>-0.15 | BS 6412   | 12.0         | 4.0-6.0                                | 13<br>+0.0<br>-1.5  | 1.8<br>±0.4 | 6.5        | 30        | 3.80       | 7570       | 9350         |  |  |  |  |
|                       | BS 6415   | 15.0         | 6.0-9.0                                |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6418   | 18.0         | 9.0-12.0                               |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6420   | 20.0         | 12.0-14.0                              |                     |             |            |           |            |            |              |  |  |  |  |
|                       | BS 6425   | 25.0         | 14.0-19.0                              |                     |             |            |           |            |            |              | L ≥ 25mm, Body made of sheet Material. |  |  |  |
|                       | BS 6428   | 28.0         | 19.0-22.0                              |                     |             |            |           |            |            |              | L ≥ 25mm, Body made of sheet Material. |  |  |  |
| BS 6430               | 30.0      | 22.0-24.0    | L ≥ 25mm, Body made of sheet Material. |                     |             |            |           |            |            |              |  |  |  |  |

Colored Rivets. Other Size. Special Request: Contact Us

Large Head: Contact Us

## BSC Series

### CSK HEAD



**MATERIAL**  
 Body : Stainless Steel  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

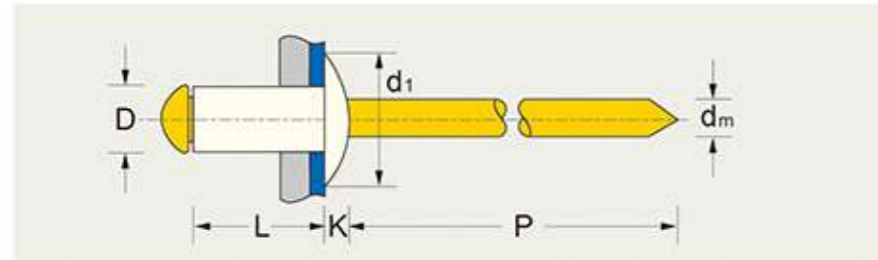
| D                     | Art. Code | L<br>[+1/-0] | Grip Range                             | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|--|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | BSC 3006  | 6.0          | 1.5-3.0                                | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.1        | 25        | 1.95       | 1800       | 2200         |
|                       | BSC 3008  | 8.0          | 3.0-5.0                                |                     |           |            |           |            |            |              |
|                       | BSC 3010  | 10.0         | 5.0-6.5                                |                     |           |            |           |            |            |              |
|                       | BSC 3012  | 12.0         | 6.5-8.5                                |                     |           |            |           |            |            |              |
|                       | BSC 3014  | 14.0         | 8.5-10.5                               |                     |           |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | BSC 3206  | 6.0          | 1.5-3.0                                | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.95       | 1900       | 2500         |
|                       | BSC 3208  | 8.0          | 3.0-5.0                                |                     |           |            |           |            |            |              |
|                       | BSC 3210  | 10.0         | 5.0-6.5                                |                     |           |            |           |            |            |              |
|                       | BSC 3212  | 12.0         | 6.5-8.5                                |                     |           |            |           |            |            |              |
|                       | BSC 3214  | 14.0         | 8.5-10.5                               |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | BSC 4006  | 6.0          | 1.5-2.5                                | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.45       | 2700       | 3500         |
|                       | BSC 4008  | 8.0          | 2.5-4.5                                |                     |           |            |           |            |            |              |
|                       | BSC 4010  | 10.0         | 4.5-6.5                                |                     |           |            |           |            |            |              |
|                       | BSC 4012  | 12.0         | 6.5-8.5                                |                     |           |            |           |            |            |              |
|                       | BSC 4014  | 14.0         | 8.5-10.0                               |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | BSC 4016  | 16.0         | 10.0-12.0                              | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 3.00       | 4000       | 5000         |
|                       | BSC 4808  | 8.0          | 2.5-4.0                                |                     |           |            |           |            |            |              |
|                       | BSC 4810  | 10.0         | 4.0-6.0                                |                     |           |            |           |            |            |              |
|                       | BSC 4812  | 12.0         | 6.0-8.0                                |                     |           |            |           |            |            |              |
|                       | BSC 4814  | 14.0         | 6.0-9.0                                |                     |           |            |           |            |            |              |
|                       | BSC 4816  | 16.0         | 8.0-11.0                               |                     |           |            |           |            |            |              |
|                       | BSC 4818  | 18.0         | 11.0-13.0                              |                     |           |            |           |            |            |              |
| BSC 4820              | 20.0      | 13.0-15.0    |  |                     |           |            |           |            |            |              |
| BSC 4825              | 25.0      | 15.0-20.0    | L ≥ 25mm, Body made of sheet Material. |                     |           |            |           |            |            |              |
| 5.0<br>+0.08<br>-0.15 | BSC 5008  | 8.0          | 2.5-4.5                                | 9.0<br>+0.0<br>-0.5 | 1.2       | 45.1       | 29        | 3.00       | 4700       | 5800         |
|                       | BSC 5010  | 10.0         | 4.5-6.0                                |                     |           |            |           |            |            |              |
|                       | BSC 5012  | 12.0         | 6.0-8.0                                |                     |           |            |           |            |            |              |
|                       | BSC 5014  | 14.0         | 6.0-9.0                                |                     |           |            |           |            |            |              |
|                       | BSC 5016  | 16.0         | 8.0-11.0                               |                     |           |            |           |            |            |              |
|                       | BSC 5018  | 18.0         | 11.0-13.0                              |                     |           |            |           |            |            |              |
|                       | BSC 5020  | 20.0         | 13.0-15.0                              |                     |           |            |           |            |            |              |
| BSC 5025              | 25.0      | 15.0-20.0    | L ≥ 25mm, Body made of sheet Material. |                     |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

Large Head: Contact Us

CS Series

DOME HEAD



**MATERIAL**  
 Body : Copper  
 Mandrel : Steel

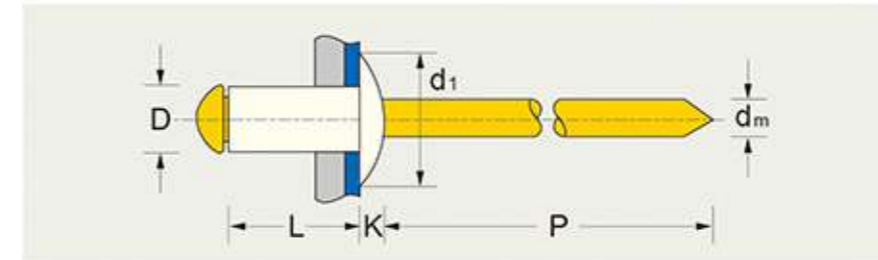
**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max.    | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | CS 3006   | 6.0          | 2.0-3.0    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.2 | 3.1        | 25        | 1.8        | 760        | 950          |
|                       | CS 3008   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | CS 3010   | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | CS 3012   | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | CS 3206   | 6.0          | 2.0-3.0    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.3        | 27        | 1.8        | 800        | 1000         |
|                       | CS 3208   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | CS 3210   | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | CS 3212   | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | CS 4006   | 6.0          | 1.0-2.5    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.4  | 4.1        | 27        | 2.2        | 1500       | 1800         |
|                       | CS 4008   | 8.0          | 2.5-4.5    |                     |              |            |           |            |            |              |
|                       | CS 4010   | 10.0         | 4.5-6.5    |                     |              |            |           |            |            |              |
|                       | CS 4012   | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |
|                       | CS 4014   | 14.0         | 8.5-10.0   |                     |              |            |           |            |            |              |
|                       | CS 4016   | 16.0         | 10.0-12.5  |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | CS 4808   | 8.0          | 2.5-4.0    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4  | 4.9        | 27        | 2.7        | 2000       | 2500         |
|                       | CS 4810   | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | CS 4812   | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | CS 4814   | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |
|                       | CS 4816   | 16.0         | 10.0-12.0  |                     |              |            |           |            |            |              |
|                       | CS 4818   | 18.0         | 12.0-14.0  |                     |              |            |           |            |            |              |
|                       | CS 4820   | 20.0         | 14.0-16.0  |                     |              |            |           |            |            |              |

Other Size. Special Request: Contact Us

CB Series

DOME HEAD



**MATERIAL**  
 Body : Copper  
 Mandrel : Stainless Steel

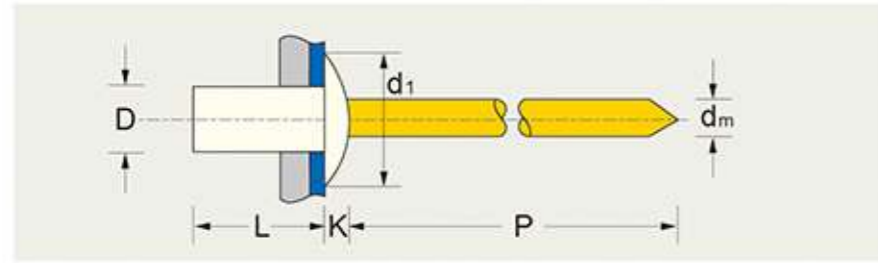
**FINISH**  
 Body : Polished  
 Mandrel : Polished

| D                     | Art. Code | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max.    | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|--------------|------------|---------------------|--------------|------------|-----------|------------|------------|--------------|
| 3.0<br>+0.08<br>-0.15 | CB 3006   | 6.0          | 2.0-3.0    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.2 | 3.1        | 25        | 1.8        | 760        | 950          |
|                       | CB 3008   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | CB 3010   | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | CB 3012   | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
| 3.2<br>+0.08<br>-0.15 | CB 3206   | 6.0          | 2.0-3.0    | 6.5<br>+0.0<br>-0.7 | 0.80<br>±0.3 | 3.3        | 27        | 1.8        | 800        | 1000         |
|                       | CB 3208   | 8.0          | 3.0-5.0    |                     |              |            |           |            |            |              |
|                       | CB 3210   | 10.0         | 5.0-7.0    |                     |              |            |           |            |            |              |
|                       | CB 3212   | 12.0         | 7.0-9.0    |                     |              |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | CB 4006   | 6.0          | 1.0-2.5    | 8.0<br>+0.0<br>-1.0 | 1.0<br>±0.4  | 4.1        | 27        | 2.2        | 1500       | 1800         |
|                       | CB 4008   | 8.0          | 2.5-4.5    |                     |              |            |           |            |            |              |
|                       | CB 4010   | 10.0         | 4.5-6.5    |                     |              |            |           |            |            |              |
|                       | CB 4012   | 12.0         | 6.5-8.5    |                     |              |            |           |            |            |              |
|                       | CB 4014   | 14.0         | 8.5-10.0   |                     |              |            |           |            |            |              |
|                       | CB 4016   | 16.0         | 10.0-12.5  |                     |              |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | CB 4808   | 8.0          | 2.5-4.0    | 9.5<br>+0.0<br>-1.0 | 1.1<br>±0.4  | 4.9        | 27        | 2.7        | 2000       | 2500         |
|                       | CB 4810   | 10.0         | 4.0-6.0    |                     |              |            |           |            |            |              |
|                       | CB 4812   | 12.0         | 6.0-8.0    |                     |              |            |           |            |            |              |
|                       | CB 4814   | 14.0         | 8.0-10.0   |                     |              |            |           |            |            |              |
|                       | CB 4816   | 16.0         | 10.0-12.0  |                     |              |            |           |            |            |              |
|                       | CB 4818   | 18.0         | 12.0-14.0  |                     |              |            |           |            |            |              |
|                       | CB 4820   | 20.0         | 14.0-16.0  |                     |              |            |           |            |            |              |

Other Size. Special Request: Contact Us

ASF Series

DOME HEAD



**MATERIAL**  
 Body : 5056 Alu.Alloy  
 Mandrel : Steel

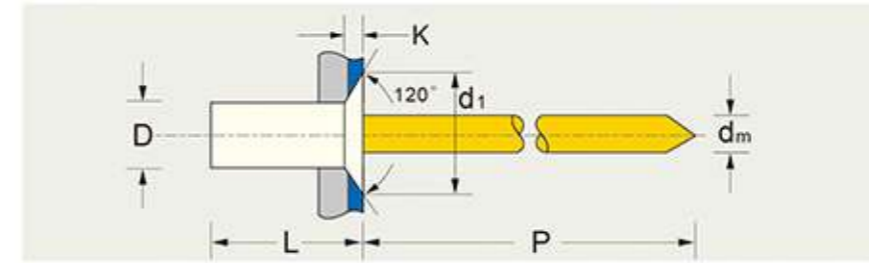
**FINISH**  
 Body : Polished  
 Mandrel : Phosphated

| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASF 320065 | 6.5          | 0.5-2.0    | 6.5<br>+0.2<br>-0.7  | 1.3       | 3.3        | 27        | 1.7        | 1070       | 1248         |
|                       | ASF 320080 | 8.0          | 2.0-3.5    |                      |           |            |           |            |            |              |
|                       | ASF 320095 | 9.5          | 3.5-5.0    |                      |           |            |           |            |            |              |
|                       | ASF 320110 | 11.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | ASF 320125 | 12.5         | 6.5-8.0    |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASF 400080 | 8.0          | 0.5-3.5    | 8.0<br>+0.4<br>-1.0  | 1.7       | 4.1        | 27        | 2.18       | 1560       | 2140         |
|                       | ASF 400095 | 9.5          | 3.5-5.0    |                      |           |            |           |            |            |              |
|                       | ASF 400110 | 11.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | ASF 400125 | 12.5         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | ASF 400150 | 15.0         | 8.0-10.5   |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASF 480080 | 8.0          | 1.0-3.0    | 9.5<br>+0.6<br>-1.0  | 2.0       | 4.9        | 27        | 2.63       | 2228       | 3075         |
|                       | ASF 480095 | 9.5          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | ASF 480110 | 11.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | ASF 480130 | 13.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | ASF 480145 | 14.5         | 8.0-9.5    |                      |           |            |           |            |            |              |
|                       | ASF 480160 | 16.0         | 9.5-11.0   |                      |           |            |           |            |            |              |
|                       | ASF 480180 | 18.0         | 11.0-13.0  |                      |           |            |           |            |            |              |
|                       | ASF 480210 | 21.0         | 13.0-16.0  |                      |           |            |           |            |            |              |
| ASF 480250            | 25.0       | 16.0-20.0    |            |                      |           |            |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 | ASF 640125 | 12.5         | 1.5-6.0    | 12.8<br>+0.6<br>-1.0 | 2.7       | 6.5        | 31        | 3.7        | 4000       | 4900         |
|                       | ASF 640160 | 16.0         | 6.0-8.5    |                      |           |            |           |            |            |              |
|                       | ASF 640180 | 18.0         | 8.5-10.5   |                      |           |            |           |            |            |              |
|                       | ASF 640200 | 20.0         | 10.5-12.5  |                      |           |            |           |            |            |              |
|                       | ASF 640250 | 25.0         | 12.5-17.5  |                      |           |            |           |            |            |              |

Other Size. Special Request: Contact Us

ASF-C Series

CSK HEAD



**MATERIAL**  
 Body : 5056 Alu.Alloy  
 Mandrel : Steel

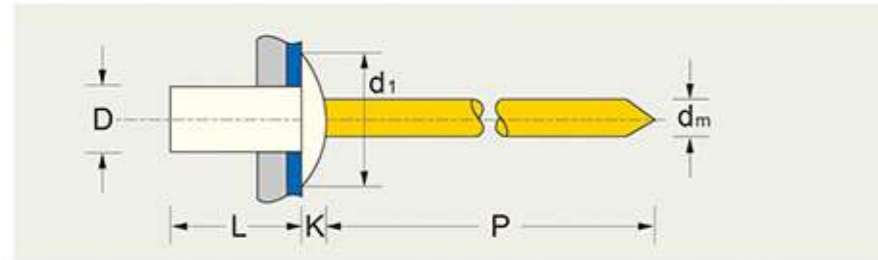
**FINISH**  
 Body : Polished  
 Mandrel : Phosphated

| D                     | Art. Code    | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|--------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASF-C 320080 | 8.0          | 2.0-3.5    | 6.5<br>+0.2<br>-0.7  | 1.3       | 3.3        | 27        | 1.7        | 1070       | 1248         |
|                       | ASF-C 320095 | 9.5          | 3.5-5.0    |                      |           |            |           |            |            |              |
|                       | ASF-C 320110 | 11.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | ASF-C 320125 | 12.5         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | ASF-C 320135 | 13.5         | 8.0-9.0    |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASF-C 400095 | 9.5          | 2.5-4.5    | 8.0<br>+0.4<br>-1.0  | 1.7       | 4.1        | 27        | 2.18       | 1560       | 2140         |
|                       | ASF-C 400110 | 11.0         | 4.5-6.5    |                      |           |            |           |            |            |              |
|                       | ASF-C 400125 | 12.5         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | ASF-C 400145 | 14.5         | 8.0-10.0   |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASF-C 480095 | 9.5          | 3.0-4.5    | 9.5<br>+0.6<br>-1.0  | 2.0       | 4.9        | 27        | 2.63       | 2228       | 3075         |
|                       | ASF-C 480110 | 11.0         | 4.5-6.0    |                      |           |            |           |            |            |              |
|                       | ASF-C 480130 | 13.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | ASF-C 480145 | 14.5         | 8.0-9.5    |                      |           |            |           |            |            |              |
|                       | ASF-C 480160 | 16.0         | 9.5-11.0   |                      |           |            |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 | ASF-C 480180 | 18.0         | 11.0-13.0  | 12.8<br>+0.6<br>-1.0 | 2.7       | 6.5        | 31        | 3.7        | 4000       | 4900         |
|                       | ASF-C 480210 | 21.0         | 13.0-16.0  |                      |           |            |           |            |            |              |

Other Size. Special Request: Contact Us

## AAF Series

### DOME HEAD



#### MATERIAL

Body : Aluminium  
Mandrel : Aluminium

#### FINISH

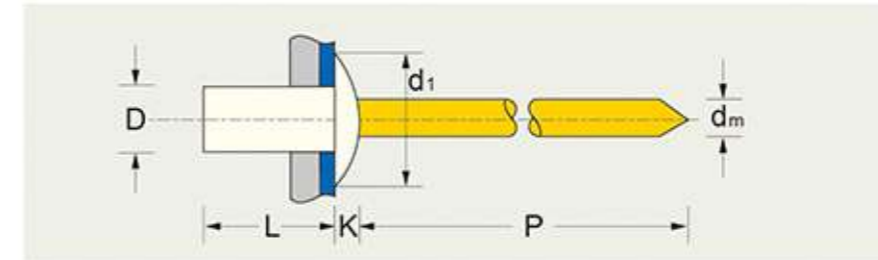
Body : Polished  
Mandrel : Polished

| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | AAF 320080 | 8.0          | 0.5-3.5    | 6.5<br>+0.2<br>-0.7 | 1.3       | 3.3        | 27        | 1.8        | 460        | 540          |
|                       | AAF 320095 | 9.5          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | AAF 320110 | 11.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | AAF 400095 | 9.5          | 1.0-5.0    | 8.0<br>+0.4<br>-1.0 | 1.7       | 4.1        | 27        | 2.2        | 720        | 760          |
|                       | AAF 400115 | 11.5         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | AAF 400125 | 12.5         | 6.5-8.0    |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | AAF 480095 | 9.5          | 1.0-4.5    | 9.5<br>+0.6<br>-1.0 | 2.0       | 4.9        | 27        | 2.65       | 1000       | 1400         |
|                       | AAF 480115 | 11.5         | 3.5-6.5    |                     |           |            |           |            |            |              |
|                       | AAF 480125 | 12.5         | 4.5-7.5    |                     |           |            |           |            |            |              |
|                       | AAF 480145 | 14.5         | 6.5-9.5    |                     |           |            |           |            |            |              |
|                       | AAF 480180 | 18.0         | 9.5-13.5   |                     |           |            |           |            |            |              |

Other Size. Large Head, CSK Head, Special Request: Contact Us

## ABF Series

### DOME HEAD



#### MATERIAL

Body : 5056 Alu.Alloy  
Mandrel : Stainless Steel

#### FINISH

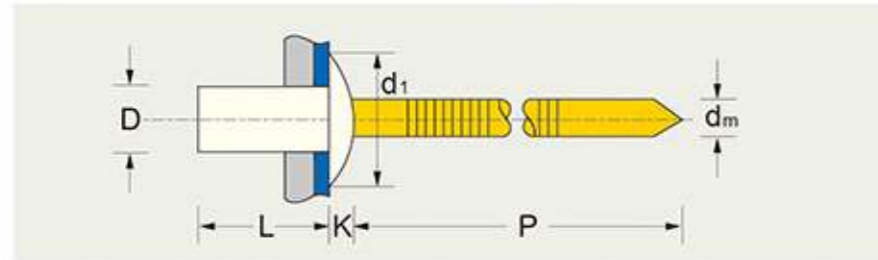
Body : Polished  
Mandrel : Polished

| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ABF 320065 | 6.5          | 0.5-2.0    | 6.5<br>+0.2<br>-0.7 | 1.3       | 3.3        | 27        | 1.7        | 1070       | 1248         |
|                       | ABF 320080 | 8.0          | 2.0-3.5    |                     |           |            |           |            |            |              |
|                       | ABF 320095 | 9.5          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | ABF 320110 | 11.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | ABF 320125 | 12.5         | 6.5-8.0    |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ABF 400080 | 8.0          | 0.5-3.5    | 8.0<br>+0.4<br>-1.0 | 1.7       | 4.1        | 27        | 2.18       | 1560       | 2140         |
|                       | ABF 400095 | 9.5          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | ABF 400110 | 11.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | ABF 400125 | 12.5         | 6.5-8.0    |                     |           |            |           |            |            |              |
|                       | ABF 400150 | 15.0         | 8.0-10.5   |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ABF 480080 | 8.0          | 1.0-3.0    | 9.5<br>+0.6<br>-1.0 | 2.0       | 4.9        | 27        | 2.63       | 2228       | 3075         |
|                       | ABF 480095 | 9.5          | 3.0-5.0    |                     |           |            |           |            |            |              |
|                       | ABF 480110 | 11.0         | 5.0-6.0    |                     |           |            |           |            |            |              |
|                       | ABF 480125 | 12.5         | 6.0-7.5    |                     |           |            |           |            |            |              |
|                       | ABF 480140 | 14.0         | 7.5-9.0    |                     |           |            |           |            |            |              |
|                       | ABF 480160 | 16.0         | 9.0-11.0   |                     |           |            |           |            |            |              |
|                       | ABF 480180 | 18.0         | 11.0-13.0  |                     |           |            |           |            |            |              |
|                       | ABF 480210 | 21.0         | 13.0-16.0  |                     |           |            |           |            |            |              |
|                       | ABF 480250 | 25.0         | 16.0-20.0  |                     |           |            |           |            |            |              |

Other Size. Large Head, CSK Head, Special Request: Contact Us  
If mandrel is grooved, Art Code will be ABF-S

## BBF-S Series

### DOME HEAD



#### MATERIAL

Body : 304 Stainless Steel  
Mandrel : 420 Stainless Steel

#### FINISH

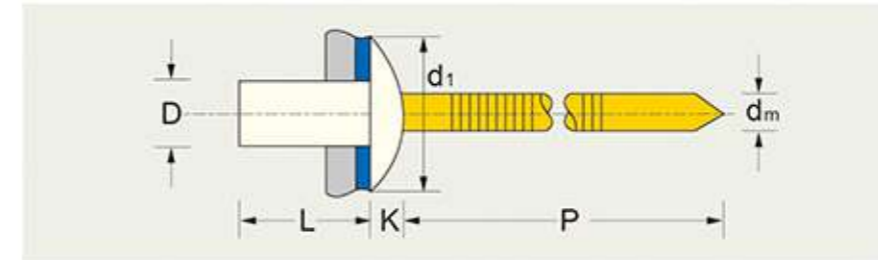
Body : Polished  
Mandrel : Polished

| D                     | Art. Code    | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|--------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | BBF-S 320060 | 6.0          | 0.5-1.5    | 6.5<br>+0.2<br>-0.7  | 1.3       | 3.3        | 27        | 1.9        | 2000       | 2200         |
|                       | BBF-S 320080 | 8.0          | 1.5-3.0    |                      |           |            |           |            |            |              |
|                       | BBF-S 320095 | 9.5          | 3.0-4.5    |                      |           |            |           |            |            |              |
|                       | BBF-S 320120 | 12.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | BBF-S 320140 | 14.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | BBF-S 400060 | 6.0          | 0.5-1.5    | 8.0<br>+0.4<br>-1.0  | 1.7       | 4.1        | 27        | 2.3        | 3000       | 3500         |
|                       | BBF-S 400080 | 8.0          | 1.5-3.0    |                      |           |            |           |            |            |              |
|                       | BBF-S 400100 | 9.5          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | BBF-S 400120 | 12.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | BBF-S 400140 | 14.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | BBF-S 480080 | 8.0          | 0.5-3.0    | 9.5<br>+0.6<br>-1.0  | 2.0       | 4.9        | 27        | 2.9        | 4000       | 4400         |
|                       | BBF-S 480095 | 9.5          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | BBF-S 480120 | 12.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | BBF-S 480140 | 14.0         | 5.0-7.5    |                      |           |            |           |            |            |              |
|                       | BBF-S 480160 | 16.0         | 6.5-9.0    |                      |           |            |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 | BBF-S 640120 | 12.0         | 1.5-6.5    | 12.8<br>+0.6<br>-1.0 | 2.7       | 6.5        | 27        | 3.8        | 6000       | 8000         |
|                       | BBF-S 640160 | 16.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | BBF-S 640180 | 18.0         | 8.0-10.0   |                      |           |            |           |            |            |              |
|                       | BBF-S 640200 | 20.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
|                       | BBF-S 640250 | 25.0         | 12.0-17.0  |                      |           |            |           |            |            |              |

Other Size. CSK Head. Special Request: Contact Us

## BBF-LF-S Series

### LARGE HEAD



#### MATERIAL

Body : 304 Stainless Steel  
Mandrel : 420 Stainless Steel

#### FINISH

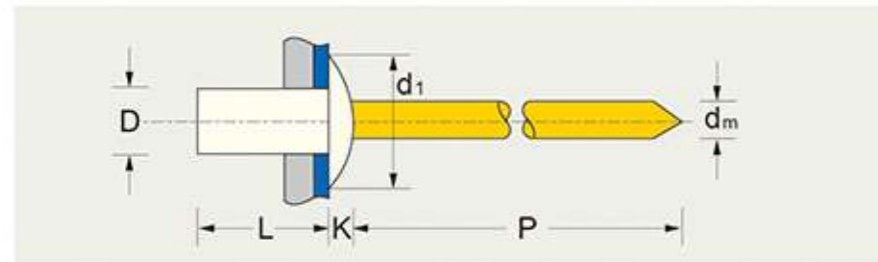
Body : Polished  
Mandrel : Polished

| D                     | Art. Code       | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | BBF-LF-S 320100 | 10.0         | 3.0-5.0    | 9.5<br>+0.3<br>-0.4  | 2.0       | 3.3        | 27        | 1.9        | 2000       | 2200         |
|                       | BBF-LF-S 320120 | 12.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | BBF-LF-S 400120 | 12.0         | 5.0-6.5    | 12.0<br>+0.5<br>-1.0 | 2.2       | 4.1        | 27        | 2.3        | 3000       | 3500         |
|                       | BBF-LF-S 400140 | 14.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | BBF-LF-S 400160 | 16.0         | 8.0-11.0   |                      |           |            |           |            |            |              |
|                       | BBF-LF-S 400180 | 18.0         | 8.0-12.0   |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | BBF-LF-S 480120 | 12.0         | 5.0-6.5    | 14.0<br>+0.5<br>-1.0 | 2.5       | 4.9        | 27        | 2.9        | 4000       | 4400         |
|                       | BBF-LF-S 480140 | 14.0         | 5.0-7.0    |                      |           |            |           |            |            |              |
|                       | BBF-LF-S 480160 | 16.0         | 6.5-9.0    |                      |           |            |           |            |            |              |
|                       | BBF-LF-S 480180 | 18.0         | 10.0-11.0  |                      |           |            |           |            |            |              |

Other Size. 16mm Large Head. Special Request: Contact Us

## SSF Series

### DOME HEAD



#### MATERIAL

Body : Steel  
Mandrel : Steel

#### FINISH

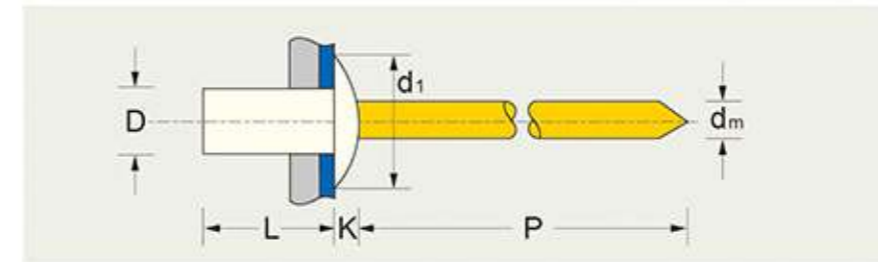
Body : Zinc Plated  
Mandrel : Zinc Plated

| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | SSF 320060 | 6.0          | 0.5-1.5    | 6.5<br>+0.2<br>-0.7  | 1.3       | 3.3        | 27        | 1.9        | 1150       | 1300         |
|                       | SSF 320080 | 8.0          | 1.5-3.0    |                      |           |            |           |            |            |              |
|                       | SSF 320095 | 9.5          | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | SSF 320120 | 12.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | SSF 400060 | 6.0          | 0.5-1.5    | 8.0<br>+0.4<br>-1.0  | 1.7       | 4.1        | 27        | 2.3        | 1700       | 1550         |
|                       | SSF 400080 | 8.0          | 1.5-3.0    |                      |           |            |           |            |            |              |
|                       | SSF 400100 | 10.0         | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | SSF 400120 | 12.0         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | SSF 400150 | 15.0         | 6.5-10.5   |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | SSF 480080 | 8.0          | 0.5-3.0    | 9.5<br>+0.6<br>-1.0  | 2.0       | 4.9        | 27        | 2.9        | 2400       | 2800         |
|                       | SSF 480100 | 10.0         | 3.0-5.0    |                      |           |            |           |            |            |              |
|                       | SSF 480125 | 12.5         | 5.0-6.5    |                      |           |            |           |            |            |              |
|                       | SSF 480150 | 15.0         | 6.5-10.5   |                      |           |            |           |            |            |              |
|                       | SSF 480180 | 18.0         | 9.5-12.5   |                      |           |            |           |            |            |              |
|                       | SSF 480210 | 21.0         | 13.0-16.0  |                      |           |            |           |            |            |              |
| 6.4<br>+0.08<br>-0.15 | SSF 640150 | 15.0         | 3.0-6.5    | 12.8<br>+0.6<br>-1.0 | 2.7       | 6.5        | 31        | 3.8        | 3600       | 4000         |
|                       | SSF 640160 | 16.0         | 6.5-8.0    |                      |           |            |           |            |            |              |
|                       | SSF 640210 | 21.0         | 8.0-12.5   |                      |           |            |           |            |            |              |

Other Size. CSK Head. Large Head. Special Request: Contact Us

## CSF Series

### DOME HEAD



#### MATERIAL

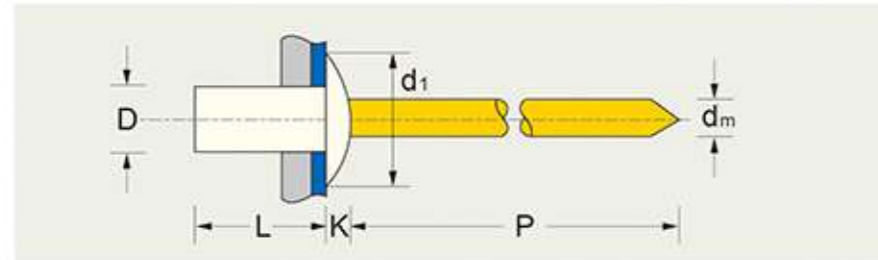
Body : Copper  
Mandrel : Steel

#### FINISH

Body : Polished  
Mandrel : Zinc Plated

| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | CSF 320065 | 6.5          | 0.5-2.0    | 6.5<br>+0.2<br>-0.7 | 1.3       | 3.3        | 27        | 1.7        | 980        | 1248         |
|                       | CSF 320080 | 8.0          | 2.0-3.5    |                     |           |            |           |            |            |              |
|                       | CSF 320095 | 9.5          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | CSF 320125 | 12.5         | 5.0-8.0    |                     |           |            |           |            |            |              |
|                       | CSF 400080 | 8.0          | 0.5-3.0    |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | CSF 400100 | 10.0         | 3.0-5.0    | 8.0<br>+0.4<br>-1.0 | 1.7       | 4.1        | 27        | 2.2        | 1350       | 2000         |
|                       | CSF 400120 | 12.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | CSF 400150 | 15.0         | 6.5-10.0   |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | CSF 480095 | 9.5          | 1.0-5.0    | 9.5<br>+0.6<br>-1.0 | 2.0       | 4.9        | 27        | 2.65       | 1950       | 2800         |
|                       | CSF 480115 | 11.5         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | CSF 480125 | 12.5         | 5.0-7.5    |                     |           |            |           |            |            |              |
|                       | CSF 480150 | 15.0         | 7.5-10.0   |                     |           |            |           |            |            |              |

Other Size. CSK Head. Large Head. Special Request: Contact Us



#### MATERIAL

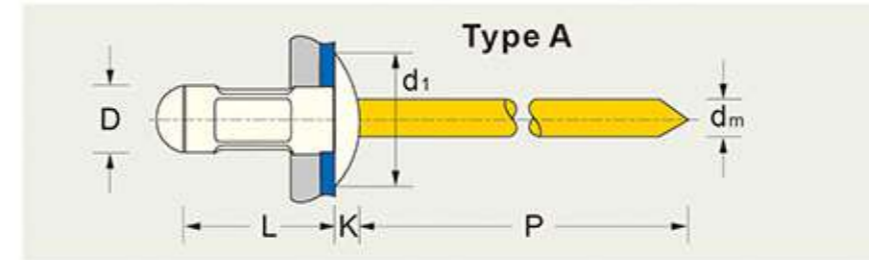
Body : Copper  
Mandrel : Stainless Steel

FINISH  
Body : Polished  
Mandrel : Polished

| D                     | Art. Code  | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | CBF 320065 | 6.5          | 0.5-2.0    | 6.5<br>+0.2<br>-0.7 | 1.3       | 3.3        | 27        | 1.7        | 980        | 1248         |
|                       | CBF 320080 | 8.0          | 2.0-3.5    |                     |           |            |           |            |            |              |
|                       | CBF 320095 | 9.5          | 3.5-5.0    |                     |           |            |           |            |            |              |
|                       | CBF 320125 | 12.5         | 5.0-8.0    |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | CBF 400080 | 8.0          | 0.5-3.0    | 8.0<br>+0.4<br>-1.0 | 1.7       | 4.1        | 27        | 2.2        | 1350       | 2000         |
|                       | CBF 400100 | 10.0         | 3.0-5.0    |                     |           |            |           |            |            |              |
|                       | CBF 400120 | 12.0         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | CBF 400150 | 15.0         | 6.5-10.0   |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | CBF 480095 | 9.5          | 1.0-5.0    | 9.5<br>+0.6<br>-1.0 | 2.0       | 4.9        | 27        | 2.65       | 1950       | 2800         |
|                       | CBF 480115 | 11.5         | 5.0-6.5    |                     |           |            |           |            |            |              |
|                       | CBF 480125 | 12.5         | 5.0-7.5    |                     |           |            |           |            |            |              |
|                       | CBF 480150 | 15.0         | 7.5-10.0   |                     |           |            |           |            |            |              |

Other Size. Large Head. CSK Head. Special Request: Contact Us

If mandrel is grooved, Art Code will be CBF-S



#### MATERIAL

Body : Aluminum  
Mandrel : Steel

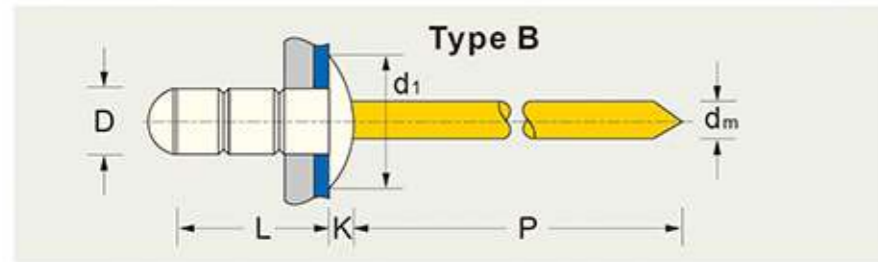
FINISH  
Body : Polished  
Mandrel : Zinc Plated

| D                     | Art. Code   | L<br>[+1/-0] | Grip Range | d <sub>1</sub> | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|--------------|------------|----------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG 3206-A | 6.0          | 1.0-3.5    | 6.0<br>±0.25   | 1.4       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ASMG 3208-A | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ASMG 3210-A | 10.0         | 2.5-7.0    |                |           |            |           |            |            |              |
|                       | ASMG 3212-A | 12.0         | 4.5-9.0    |                |           |            |           |            |            |              |
|                       | ASMG 3214-A | 14.0         | 9.0-11.0   |                |           |            |           |            |            |              |
|                       | ASMG 3216-A | 16.0         | 6.5-12.5   |                |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG 4006-A | 6.0          | 1.0-3.0    | 8.0<br>±0.3    | 1.7       | 4.1        | 27        | 2.20       | 950        | 1500         |
|                       | ASMG 4008-A | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ASMG 4010-A | 10.0         | 1.5-6.5    |                |           |            |           |            |            |              |
|                       | ASMG 4012-A | 12.0         | 3.5-8.5    |                |           |            |           |            |            |              |
|                       | ASMG 4014-A | 14.0         | 5.5-10.5   |                |           |            |           |            |            |              |
|                       | ASMG 4016-A | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG 4018-A | 18.0         | 9.5-14.5   | 9.5<br>±0.3    | 2.0       | 4.9        | 27        | 2.70       | 1320       | 2000         |
|                       | ASMG 4020-A | 20.0         | 11.5-16.5  |                |           |            |           |            |            |              |
|                       | ASMG 4810-A | 10.0         | 1.5-6.0    |                |           |            |           |            |            |              |
|                       | ASMG 4812-A | 12.0         | 2.0-8.0    |                |           |            |           |            |            |              |
|                       | ASMG 4814-A | 14.0         | 3.5-9.5    |                |           |            |           |            |            |              |
|                       | ASMG 4816-A | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ASMG 4818-A | 18.0         | 8.0-14.0   |                |           |            |           |            |            |              |
|                       | ASMG 4820-A | 20.0         | 10.0-16.0  |                |           |            |           |            |            |              |
|                       | ASMG 4822-A | 22.0         | 12.0-18.0  |                |           |            |           |            |            |              |
|                       | ASMG 4824-A | 24.0         | 12.5-19.5  |                |           |            |           |            |            |              |
| ASMG 4827-A           | 27.0        | 17.0-23.0    |            |                |           |            |           |            |            |              |
| ASMG 4830-A           | 30.0        | 20.0-25.0    |            |                |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us







#### MATERIAL

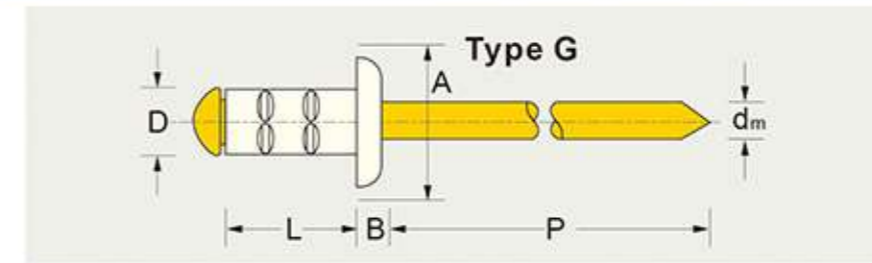
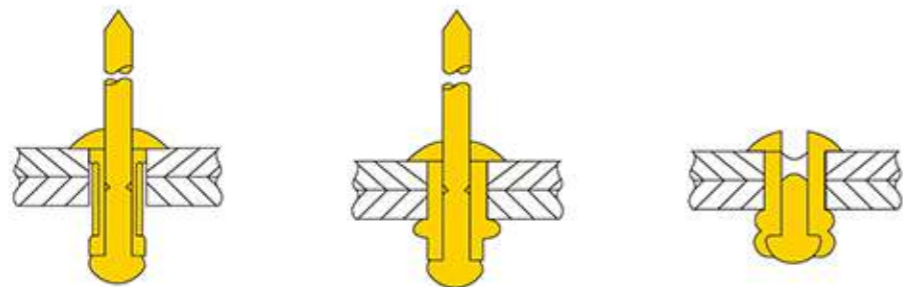
Body : Aluminum  
Mandrel : Steel

#### FINISH

Body : Polished  
Mandrel : Zinc Plated

| D                     | Art. Code   | L<br>[+1/-0] | Grip Range | d <sub>1</sub> | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|--------------|------------|----------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG 3206-B | 6.0          | 1.0-3.5    | 6.0<br>±0.25   | 1.4       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ASMG 3208-B | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ASMG 3210-B | 10.0         | 2.5-7.0    |                |           |            |           |            |            |              |
|                       | ASMG 3212-B | 12.0         | 4.5-9.0    |                |           |            |           |            |            |              |
|                       | ASMG 3214-B | 14.0         | 9.0-11.0   |                |           |            |           |            |            |              |
|                       | ASMG 3216-B | 16.0         | 6.5-12.5   |                |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG 4006-B | 6.0          | 1.0-3.0    | 8.0<br>±0.3    | 1.7       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ASMG 4008-B | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ASMG 4010-B | 10.0         | 1.5-6.5    |                |           |            |           |            |            |              |
|                       | ASMG 4012-B | 12.0         | 3.5-8.5    |                |           |            |           |            |            |              |
|                       | ASMG 4014-B | 14.0         | 5.5-10.5   |                |           |            |           |            |            |              |
|                       | ASMG 4016-B | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ASMG 4018-B | 18.0         | 9.5-14.5   |                |           |            |           |            |            |              |
|                       | ASMG 4020-B | 20.0         | 11.5-16.5  |                |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG 4810-B | 10.0         | 1.5-6.0    | 9.5<br>±0.3    | 2.0       | 4.9        | 28        | 2.70       | 1320       | 2000         |
|                       | ASMG 4812-B | 12.0         | 2.0-8.0    |                |           |            |           |            |            |              |
|                       | ASMG 4814-B | 14.0         | 3.5-9.5    |                |           |            |           |            |            |              |
|                       | ASMG 4816-B | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ASMG 4818-B | 18.0         | 8.0-14.0   |                |           |            |           |            |            |              |
|                       | ASMG 4820-B | 20.0         | 10.0-16.0  |                |           |            |           |            |            |              |
|                       | ASMG 4822-B | 22.0         | 12.0-18.0  |                |           |            |           |            |            |              |
|                       | ASMG 4824-B | 24.0         | 12.5-19.5  |                |           |            |           |            |            |              |
|                       | ASMG 4827-B | 27.0         | 17.0-23.0  |                |           |            |           |            |            |              |
|                       | ASMG 4830-B | 30.0         | 20.0-25.0  |                |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us



#### MATERIAL

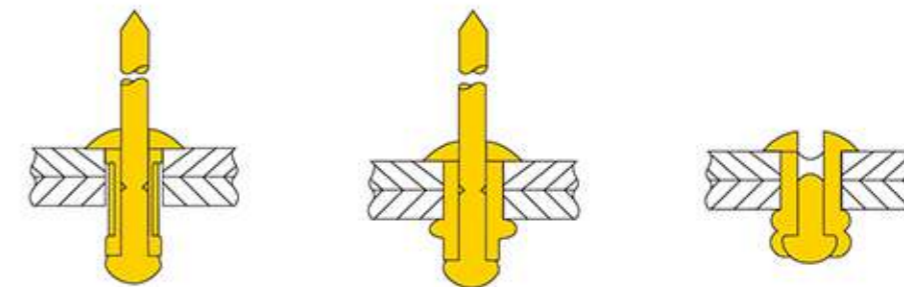
Body : Aluminum  
Mandrel : Steel

#### FINISH

Body : Polished  
Mandrel : Zinc Plated

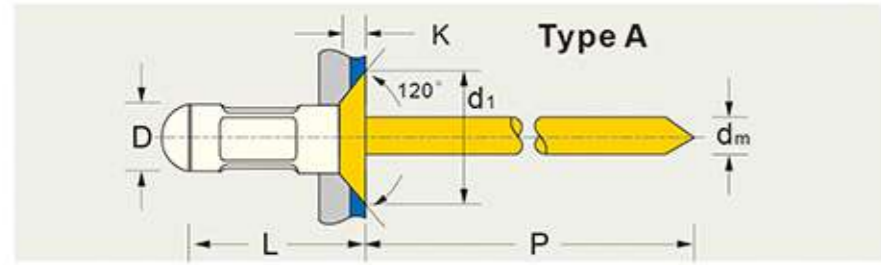
| D                     | Art. Code   | L<br>[+1/-0.2] | Grip Range | d <sub>1</sub> | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|----------------|------------|----------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG 3208-G | 8              | 1.0-5.0    | 6.0<br>±0.25   | 1.4       | 3.3        | 27        | 1.80       | 700        | 1000         |
|                       | ASMG 3210-G | 10             | 2.0-6.5    |                |           |            |           |            |            |              |
|                       | ASMG 3212-G | 12             | 4.5-9.0    |                |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG 4010-G | 10             | 1.5-6.5    | 8.0<br>±0.3    | 1.7       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ASMG 4012-G | 12             | 3.5-8.5    |                |           |            |           |            |            |              |
|                       | ASMG 4014-G | 14             | 5.5-10.5   |                |           |            |           |            |            |              |
|                       | ASMG 4016-G | 16             | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ASMG 4018-G | 18             | 9.5-14.5   |                |           |            |           |            |            |              |
|                       | ASMG 4020-G | 20             | 10.0-16.0  |                |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG 4010-G | 10             | 1.5-6.0    | 9.5<br>±0.3    | 2.0       | 4.9        | 28        | 2.70       | 1320       | 2000         |
|                       | ASMG 4012-G | 12             | 2.0-8.0    |                |           |            |           |            |            |              |
|                       | ASMG 4014-G | 14             | 3.5-9.5    |                |           |            |           |            |            |              |
|                       | ASMG 4016-G | 16             | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ASMG 4018-G | 18             | 8.0-14.0   |                |           |            |           |            |            |              |
|                       | ASMG 4020-G | 20             | 10.0-16.0  |                |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us



## ASMG-C-A Series

CSK HEAD

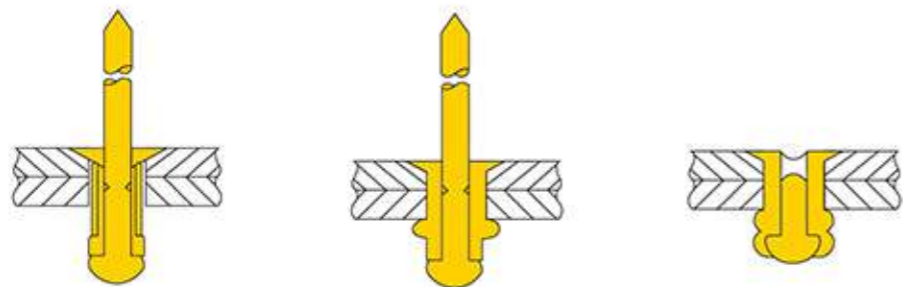


**MATERIAL**

- Body : Aluminum
  - Mandrel : Steel
- FINISH**
- Body : Polished
  - Mandrel : Zinc Plated

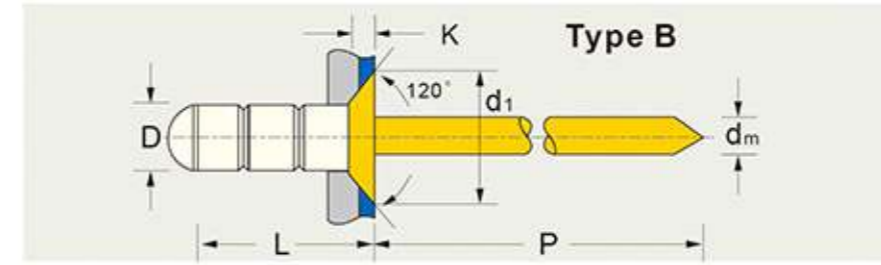
| D                     | Art. Code     | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Ref. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|---------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG-C 3208-A | 8.0          | 1.5-5.0    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ASMG-C 3210-A | 10.0         | 2.5-7.0    |                     |           |            |           |            |            |              |
|                       | ASMG-C 3212-A | 12.0         | 4.5-9.0    |                     |           |            |           |            |            |              |
|                       | ASMG-C 3214-A | 14.0         | 6.5-11.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 3216-A | 16.0         | 8.5-13.0   |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG-C 4008-A | 8.0          | 1.0-5.0    | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ASMG-C 4010-A | 10.0         | 1.5-6.5    |                     |           |            |           |            |            |              |
|                       | ASMG-C 4012-A | 12.0         | 3.5-8.5    |                     |           |            |           |            |            |              |
|                       | ASMG-C 4014-A | 14.0         | 5.5-10.5   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4016-A | 16.0         | 7.0-12.5   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4018-A | 18.0         | 9.5-14.5   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4020-A | 20.0         | 11.0-16.5  |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG-C 4810-A | 10.0         | 1.5-6.0    | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 2.70       | 1320       | 2000         |
|                       | ASMG-C 4812-A | 12.0         | 2.0-8.0    |                     |           |            |           |            |            |              |
|                       | ASMG-C 4814-A | 14.0         | 4.0-10.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4816-A | 16.0         | 6.0-12.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4818-A | 18.0         | 8.0-14.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4820-A | 20.0         | 10.0-16.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4822-A | 22.0         | 12.0-18.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4824-A | 24.0         | 14.0-20.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4827-A | 27.0         | 17.0-23.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4830-A | 30.0         | 20.0-25.0  |                     |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us



## ASMG-C-B Series

CSK HEAD

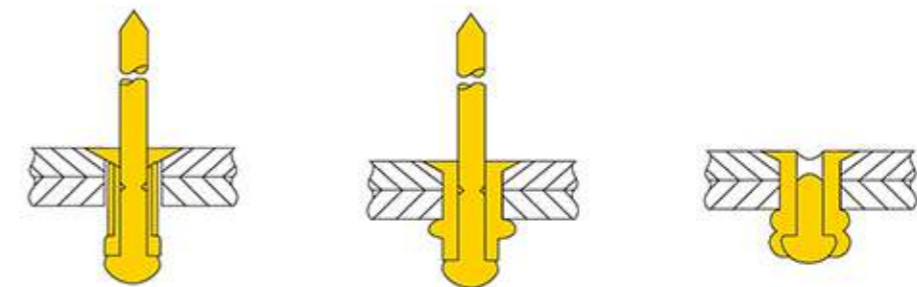


**MATERIAL**

- Body : Aluminum
  - Mandrel : Steel
- FINISH**
- Body : Polished
  - Mandrel : Zinc Plated

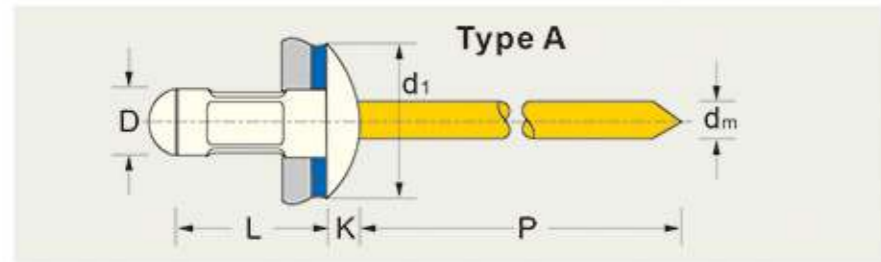
| D                     | Art. Code     | L<br>[+1/-0] | Grip Range | d <sub>1</sub>      | K<br>Ref. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|---------------|--------------|------------|---------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG-C 3208-B | 8.0          | 1.5-5.0    | 6.0<br>+0.0<br>-0.4 | 0.9       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ASMG-C 3210-B | 10.0         | 2.5-7.0    |                     |           |            |           |            |            |              |
|                       | ASMG-C 3212-B | 12.0         | 4.5-9.0    |                     |           |            |           |            |            |              |
|                       | ASMG-C 3214-B | 14.0         | 6.5-11.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 3216-B | 16.0         | 8.5-13.0   |                     |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG-C 4008-B | 8.0          | 1.0-5.0    | 7.5<br>+0.0<br>-0.5 | 1.0       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ASMG-C 4010-B | 10.0         | 1.5-6.5    |                     |           |            |           |            |            |              |
|                       | ASMG-C 4012-B | 12.0         | 3.5-8.5    |                     |           |            |           |            |            |              |
|                       | ASMG-C 4014-B | 14.0         | 5.5-10.5   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4016-B | 16.0         | 7.0-12.5   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4018-B | 18.0         | 9.5-14.5   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4020-B | 20.0         | 11.0-16.5  |                     |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG-C 4810-B | 10.0         | 1.5-6.0    | 9.0<br>+0.0<br>-0.5 | 1.2       | 4.9        | 28        | 2.70       | 1320       | 2000         |
|                       | ASMG-C 4812-B | 12.0         | 2.0-8.0    |                     |           |            |           |            |            |              |
|                       | ASMG-C 4814-B | 14.0         | 4.0-10.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4816-B | 16.0         | 6.0-12.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4818-B | 18.0         | 8.0-14.0   |                     |           |            |           |            |            |              |
|                       | ASMG-C 4820-B | 20.0         | 10.0-16.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4822-B | 22.0         | 12.0-18.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4824-B | 24.0         | 14.0-20.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4827-B | 27.0         | 17.0-23.0  |                     |           |            |           |            |            |              |
|                       | ASMG-C 4830-B | 30.0         | 20.0-25.0  |                     |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us



ASMG-LF-A Series

LARGE HEAD



**MATERIAL**  
 Body : Aluminum  
 Mandrel : Steel

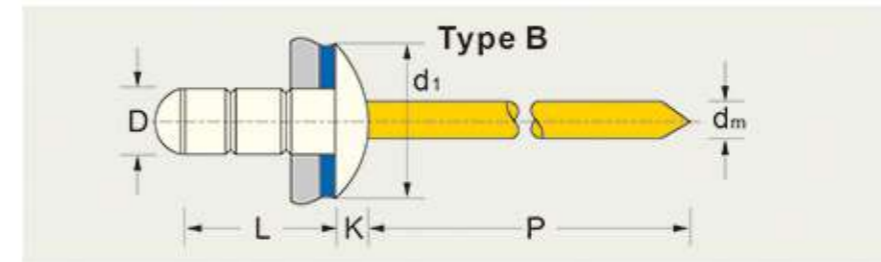
**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D                     | Art. Code      | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|----------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG-LF 3208-A | 8.0          | 1.0-5.0    | 9.5<br>+0.0<br>-0.5  | 2.0       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ASMG-LF 3210-A | 10.0         | 2.5-7.0    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 3212-A | 12.0         | 4.5-9.0    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 3214-A | 14.0         | 6.5-11.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 3216-A | 16.0         | 8.5-12.5   |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG-LF 4008-A | 8.0          | 1.0-5.0    | 12.0<br>+0.0<br>-0.5 | 2.2       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ASMG-LF 4010-A | 10.0         | 1.5-6.5    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4012-A | 12.0         | 3.5-8.5    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4014-A | 14.0         | 5.5-10.5   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4016-A | 16.0         | 6.5-12.5   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4018-A | 18.0         | 9.5-14.5   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4020-A | 20.0         | 11.5-16.5  |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG-LF 4810-A | 10.0         | 1.0-6.0    | 16.0<br>+0.0<br>-0.5 | 2.5       | 4.9        | 28        | 2.78       | 1320       | 2000         |
|                       | ASMG-LF 4812-A | 12.0         | 2.0-8.0    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4814-A | 14.0         | 4.0-10.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4816-A | 16.0         | 6.0-12.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4818-A | 18.0         | 8.0-14.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4820-A | 20.0         | 10.0-16.0  |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4824-A | 24.0         | 12.0-20.0  |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4825-A | 25.0         | 12.0-21.0  |                      |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

ASMG-LF-B Series

LARGE HEAD



**MATERIAL**  
 Body : Aluminum  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D                     | Art. Code      | L<br>[+1/-0] | Grip Range | d <sub>1</sub>       | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|----------------|--------------|------------|----------------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASMG-LF 3208-B | 8.0          | 1.0-5.0    | 9.5<br>+0.0<br>-0.5  | 2.0       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ASMG-LF 3210-B | 10.0         | 2.5-7.0    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 3212-B | 12.0         | 4.5-9.0    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 3214-B | 14.0         | 6.5-11.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 3216-B | 16.0         | 8.5-12.5   |                      |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASMG-LF 4008-B | 8.0          | 1.0-5.0    | 12.0<br>+0.0<br>-0.5 | 2.2       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ASMG-LF 4010-B | 10.0         | 1.5-6.5    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4012-B | 12.0         | 3.5-8.5    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4014-B | 14.0         | 5.5-10.5   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4016-B | 16.0         | 6.5-12.5   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4018-B | 18.0         | 9.5-14.5   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4020-B | 20.0         | 11.5-16.5  |                      |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASMG-LF 4810-B | 10.0         | 1.0-6.0    | 16.0<br>+0.0<br>-0.5 | 2.5       | 4.9        | 28        | 2.78       | 1320       | 2000         |
|                       | ASMG-LF 4812-B | 12.0         | 2.0-8.0    |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4814-B | 14.0         | 4.0-10.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4816-B | 16.0         | 6.0-12.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4818-B | 18.0         | 8.0-14.0   |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4820-B | 20.0         | 10.0-16.0  |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4824-B | 24.0         | 12.0-20.0  |                      |           |            |           |            |            |              |
|                       | ASMG-LF 4825-B | 25.0         | 12.0-21.0  |                      |           |            |           |            |            |              |

Colored Rivets. Other Size. Special Request: Contact Us

## ABMG-A Series

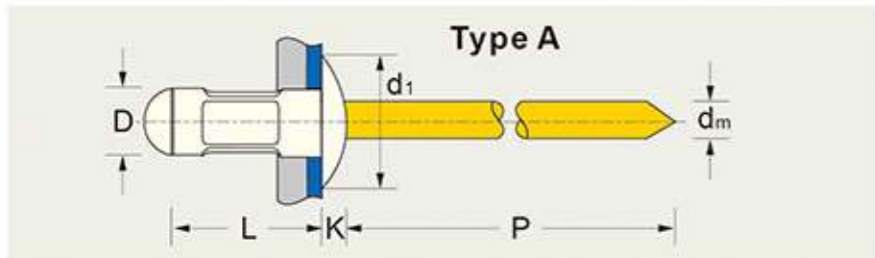
### DOME HEAD

#### MATERIAL

Body : Aluminum  
Mandrel : Stainless Steel

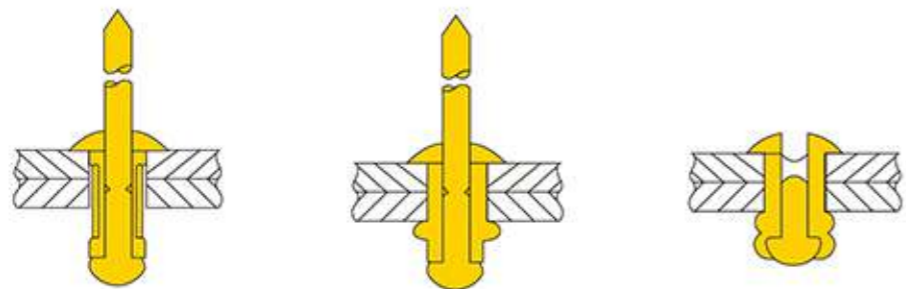
#### FINISH

Body : Polished  
Mandrel : Polished



| D                     | Art. Code   | L<br>[+1/-0] | Grip Range | d <sub>1</sub> | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|--------------|------------|----------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ABMG 3206-A | 6.0          | 1.0-3.5    | 6.0<br>±0.25   | 1.4       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ABMG 3208-A | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ABMG 3210-A | 10.0         | 2.5-7.0    |                |           |            |           |            |            |              |
|                       | ABMG 3212-A | 12.0         | 4.5-9.0    |                |           |            |           |            |            |              |
|                       | ABMG 3214-A | 14.0         | 9.0-11.0   |                |           |            |           |            |            |              |
|                       | ABMG 3216-A | 16.0         | 6.5-12.5   |                |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ABMG 4006-A | 6.0          | 1.0-3.0    | 8.0<br>±0.3    | 1.7       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ABMG 4008-A | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ABMG 4010-A | 10.0         | 1.5-6.5    |                |           |            |           |            |            |              |
|                       | ABMG 4012-A | 12.0         | 3.5-8.5    |                |           |            |           |            |            |              |
|                       | ABMG 4014-A | 14.0         | 5.5-10.5   |                |           |            |           |            |            |              |
|                       | ABMG 4016-A | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ABMG 4018-A | 18.0         | 9.5-14.5   |                |           |            |           |            |            |              |
|                       | ABMG 4020-A | 20.0         | 11.5-16.5  |                |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ABMG 4810-A | 10.0         | 1.5-6.0    | 9.5<br>±0.3    | 2.0       | 4.9        | 28        | 2.70       | 1320       | 2000         |
|                       | ABMG 4812-A | 12.0         | 2.0-8.0    |                |           |            |           |            |            |              |
|                       | ABMG 4814-A | 14.0         | 3.5-9.5    |                |           |            |           |            |            |              |
|                       | ABMG 4816-A | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ABMG 4818-A | 18.0         | 8.0-14.0   |                |           |            |           |            |            |              |
|                       | ABMG 4820-A | 20.0         | 10.0-16.0  |                |           |            |           |            |            |              |
|                       | ABMG 4822-A | 22.0         | 12.0-18.0  |                |           |            |           |            |            |              |
|                       | ABMG 4824-A | 24.0         | 12.5-19.5  |                |           |            |           |            |            |              |
|                       | ABMG 4827-A | 27.0         | 17.0-23.0  |                |           |            |           |            |            |              |
|                       | ABMG 4830-A | 30.0         | 20.0-25.0  |                |           |            |           |            |            |              |

Colored Rivets. CSK Head. Large Head. Other Size. Special Request: Contact Us



## ABMG-B Series

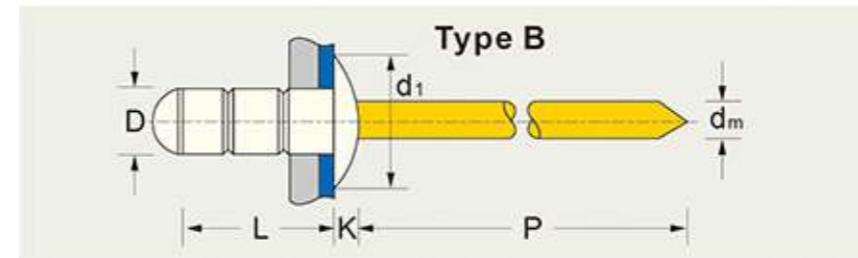
### DOME HEAD

#### MATERIAL

Body : Aluminum  
Mandrel : Stainless Steel

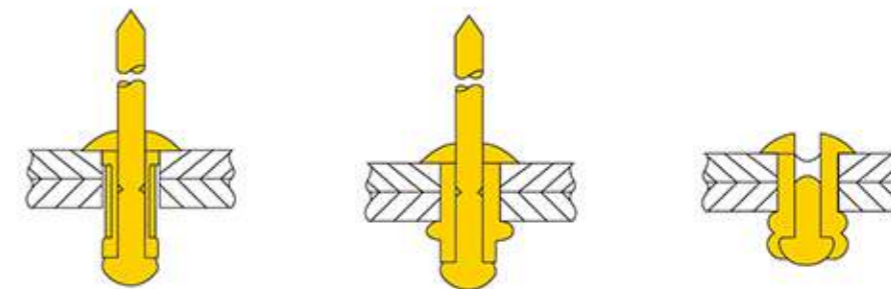
#### FINISH

Body : Polished  
Mandrel : Polished



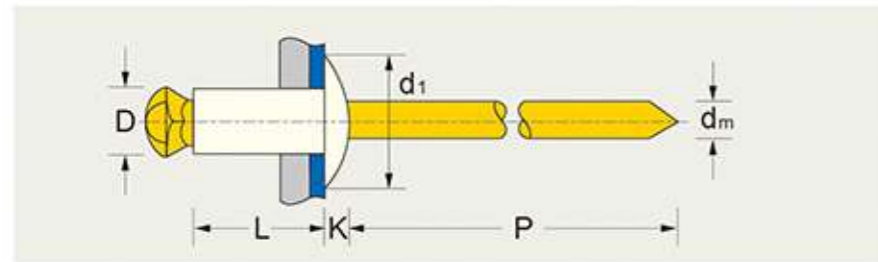
| D                     | Art. Code   | L<br>[+1/-0] | Grip Range | d <sub>1</sub> | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-------------|--------------|------------|----------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ABMG 3206-B | 6.0          | 1.0-3.5    | 6.0<br>±0.25   | 1.4       | 3.3        | 27        | 1.80       | 680        | 980          |
|                       | ABMG 3208-B | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ABMG 3210-B | 10.0         | 2.5-7.0    |                |           |            |           |            |            |              |
|                       | ABMG 3212-B | 12.0         | 4.5-9.0    |                |           |            |           |            |            |              |
|                       | ABMG 3214-B | 14.0         | 9.0-11.0   |                |           |            |           |            |            |              |
|                       | ABMG 3216-B | 16.0         | 6.5-12.5   |                |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ABMG 4006-B | 6.0          | 1.0-3.0    | 8.0<br>±0.3    | 1.7       | 4.1        | 28        | 2.20       | 950        | 1500         |
|                       | ABMG 4008-B | 8.0          | 1.0-5.0    |                |           |            |           |            |            |              |
|                       | ABMG 4010-B | 10.0         | 1.5-6.5    |                |           |            |           |            |            |              |
|                       | ABMG 4012-B | 12.0         | 3.5-8.5    |                |           |            |           |            |            |              |
|                       | ABMG 4014-B | 14.0         | 5.5-10.5   |                |           |            |           |            |            |              |
|                       | ABMG 4016-B | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ABMG 4018-B | 18.0         | 9.5-14.5   |                |           |            |           |            |            |              |
|                       | ABMG 4020-B | 20.0         | 11.5-16.5  |                |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ABMG 4810-B | 10.0         | 1.5-6.0    | 9.5<br>±0.3    | 2.0       | 4.9        | 28        | 2.70       | 1320       | 2000         |
|                       | ABMG 4812-B | 12.0         | 2.0-8.0    |                |           |            |           |            |            |              |
|                       | ABMG 4814-B | 14.0         | 3.5-9.5    |                |           |            |           |            |            |              |
|                       | ABMG 4816-B | 16.0         | 6.0-12.5   |                |           |            |           |            |            |              |
|                       | ABMG 4818-B | 18.0         | 8.0-14.0   |                |           |            |           |            |            |              |
|                       | ABMG 4820-B | 20.0         | 10.0-16.0  |                |           |            |           |            |            |              |
|                       | ABMG 4822-B | 22.0         | 12.0-18.0  |                |           |            |           |            |            |              |
|                       | ABMG 4824-B | 24.0         | 12.5-19.5  |                |           |            |           |            |            |              |
|                       | ABMG 4827-B | 27.0         | 17.0-23.0  |                |           |            |           |            |            |              |
|                       | ABMG 4830-B | 30.0         | 20.0-25.0  |                |           |            |           |            |            |              |

Colored Rivets. CSK Head. Large Head. Other Size. Special Request: Contact Us



**ASP Series**

**DOME HEAD**

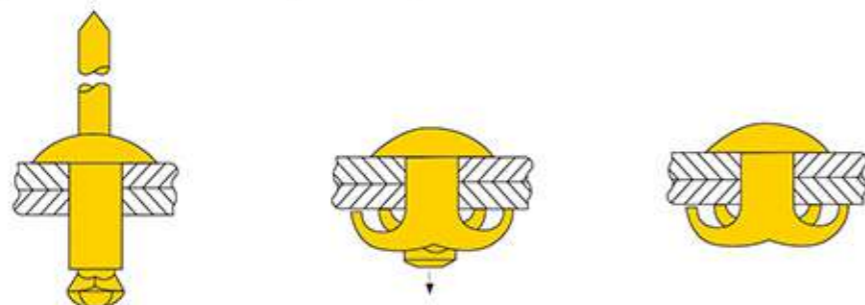


**MATERIAL**  
 Body : Aluminum  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

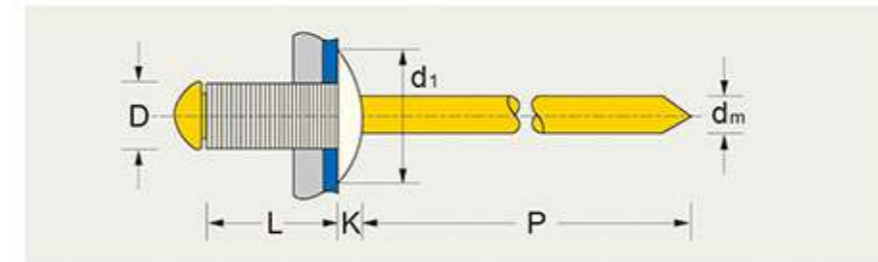
| D                     | Art. Code | L<br>[+1/0] | Grip Range | d <sub>1</sub> | K<br>Max. | Drill<br>Φ | P<br>Min. | dm<br>Ref. | Shear<br>N | Tensile<br>N |
|-----------------------|-----------|-------------|------------|----------------|-----------|------------|-----------|------------|------------|--------------|
| 3.2<br>+0.08<br>-0.15 | ASP 3208  | 8.0         | 0.5-1.0    | 6.0<br>±0.25   | 1.02      | 3.4~3.5    | 27        | 1.8        | 500        | 700          |
|                       | ASP 3210  | 10.0        | 1.0-3.0    |                |           |            |           |            |            |              |
|                       | ASP 3212  | 12.0        | 3.0-5.0    |                |           |            |           |            |            |              |
| 4.0<br>+0.08<br>-0.15 | ASP 4010  | 10.0        | 1.5-5.0    | 8.0<br>±0.3    | 1.4       | 4.2~4.3    | 27        | 2.2        | 850        | 1000         |
|                       | ASP 4012  | 12.0        | 4.0-6.5    |                |           |            |           |            |            |              |
|                       | ASP 4014  | 14.0        | 6.0-9.0    |                |           |            |           |            |            |              |
|                       | ASP 4016  | 16.0        | 8.0-11.0   |                |           |            |           |            |            |              |
|                       | ASP 4018  | 18.0        | 10.0-13.0  |                |           |            |           |            |            |              |
|                       | ASP 4020  | 20.0        | 12.0-15.0  |                |           |            |           |            |            |              |
|                       | ASP 4025  | 25.0        | 15.0-20.0  |                |           |            |           |            |            |              |
|                       | ASP 4030  | 30.0        | 20.0-25.0  |                |           |            |           |            |            |              |
| 4.8<br>+0.08<br>-0.15 | ASP 4810  | 10.0        | 1.5-4.0    | 9.5<br>±0.3    | 1.5       | 5.2~5.3    | 27        | 2.7        | 1700       | 1700         |
|                       | ASP 4812  | 12.0        | 2.0-6.0    |                |           |            |           |            |            |              |
|                       | ASP 4814  | 14.0        | 4.0-8.0    |                |           |            |           |            |            |              |
|                       | ASP 4816  | 16.0        | 6.0-9.5    |                |           |            |           |            |            |              |
|                       | ASP 4818  | 18.0        | 8.0-12.0   |                |           |            |           |            |            |              |
|                       | ASP 4820  | 20.0        | 10.0-14.0  |                |           |            |           |            |            |              |
|                       | ASP 4822  | 22.0        | 12.0-16.0  |                |           |            |           |            |            |              |
|                       | ASP 4825  | 25.0        | 16.0-19.0  |                |           |            |           |            |            |              |
|                       | ASP 4830  | 30.0        | 19.0-24.0  |                |           |            |           |            |            |              |
|                       | ASP 4835  | 35.0        | 24.0-29.0  |                |           |            |           |            |            |              |
|                       | ASP 4840  | 40.0        | 29.0-34.0  |                |           |            |           |            |            |              |

Colored Rivets. Large Head. Other Size. Special Request: Contact Us



**ASG Series**

**DOME HEAD**



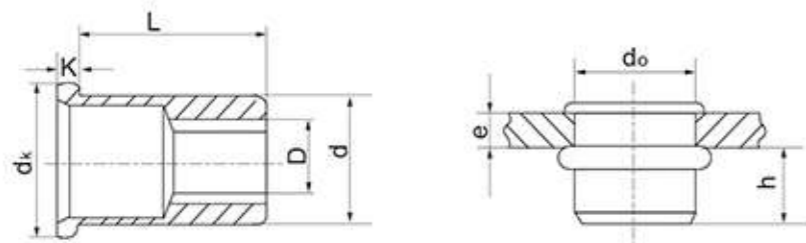
**MATERIAL**  
 Body : 5154 or 5754 Alu. Alloy  
 Mandrel : Steel

**FINISH**  
 Body : Polished  
 Mandrel : Zinc Plated

| D<br>Nom.    | Art. Code | L<br>[+1/-0]<br>mm | Grip Range<br>Max. | d <sub>1</sub>      | K<br>Max | Hole Size<br>Nom. | P<br>Min. | Shear<br>N | Tensile<br>N |
|--------------|-----------|--------------------|--------------------|---------------------|----------|-------------------|-----------|------------|--------------|
| 3.2<br>1.8"  | ASG 3210  | 10.0               | 6.0                | 6.4<br>+0.0<br>-0.6 | 1.3      | 3.6               | 27        | 500        | 700          |
|              | ASG 3212  | 12.0               | 8.0                |                     |          |                   |           |            |              |
|              | ASG 3214  | 14.0               | 10.0               |                     |          |                   |           |            |              |
| 4.0<br>5/32" | ASG 4008  | 8.0                | 4.0                | 8.0<br>+0.0<br>-1.0 | 1.7      | 4.4               | 27        | 850        | 1200         |
|              | ASG 4010  | 10.0               | 6.0                |                     |          |                   |           |            |              |
|              | ASG 4012  | 12.0               | 8.0                |                     |          |                   |           |            |              |
|              | ASG 4014  | 14.0               | 10.0               |                     |          |                   |           |            |              |
|              | ASG 4016  | 16.0               | 12.0               |                     |          |                   |           |            |              |
|              | ASG 4018  | 18.0               | 14.0               |                     |          |                   |           |            |              |
| 4.8<br>3/16" | ASG 4808  | 8.0                | 4.0                | 9.5<br>+0.0<br>-1.0 | 2.0      | 5.3               | 27        | 1200       | 1700         |
|              | ASG 4810  | 10.0               | 6.0                |                     |          |                   |           |            |              |
|              | ASG 4812  | 12.0               | 8.0                |                     |          |                   |           |            |              |
|              | ASG 4814  | 14.0               | 10.0               |                     |          |                   |           |            |              |
|              | ASG 4816  | 16.0               | 12.0               |                     |          |                   |           |            |              |
|              | ASG 4818  | 18.0               | 14.0               |                     |          |                   |           |            |              |
|              | ASG 4820  | 20.0               | 16.0               |                     |          |                   |           |            |              |
|              | ASG 4825  | 25.0               | 21.0               |                     |          |                   |           |            |              |
|              | ASG 4830  | 30.0               | 26.0               |                     |          |                   |           |            |              |

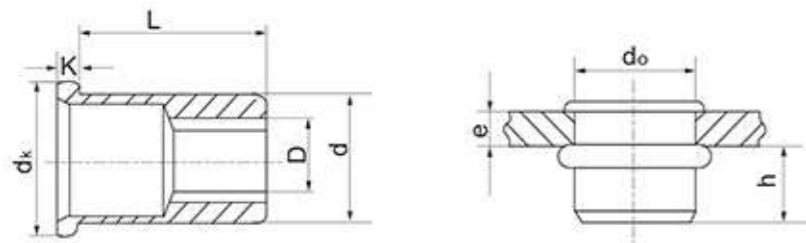
Other sizes. CSK head. Special request: Contact us

All dimensions are in millimeters(mm)

**PT Series**
**FLAT HEAD RIVET NUT**


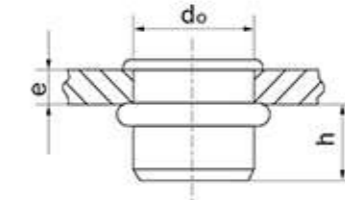
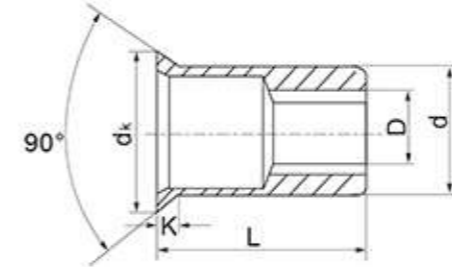
PT

| SIZE   | D   | Grip Range<br>e | h<br>Ref. | do<br>+0.15<br>+0.05 | d<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |      |
|--------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|------|
| PT-M3  | M3  | M3              | 0.5~2.0   | 4.5                  | 5                   | 5           | 7          | 0.8        | 8.8  |
| PT-M4  | M4  | M4              | 0.5~2.0   | 6.5                  | 6                   | 6           | 9          | 0.8        | 10.8 |
| PT-M5  | M5  | M5              | 0.5~2.5   | 8.0                  | 7                   | 7           | 10         | 1.0        | 13.0 |
| PT-M6  | M6  | M6              | 0.5~3.0   | 9.0                  | 9                   | 9           | 13         | 1.5        | 15.0 |
| PT-M8  | M8  | M8              | 0.5~3.5   | 11.5                 | 11                  | 11          | 15         | 1.5        | 18.0 |
| PT-M10 | M10 | M10             | 0.5~3.5   | 12.5                 | 13                  | 13          | 17         | 1.8        | 20.3 |
| PT-M12 | M12 | M12             | 0.5~3.5   | 15.5                 | 15                  | 15          | 19         | 1.8        | 24.3 |

**PTR Series**
**FLAT HEAD RIVET NUT**


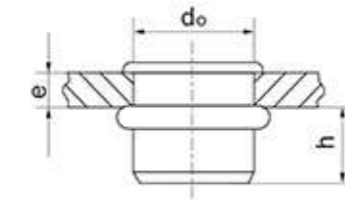
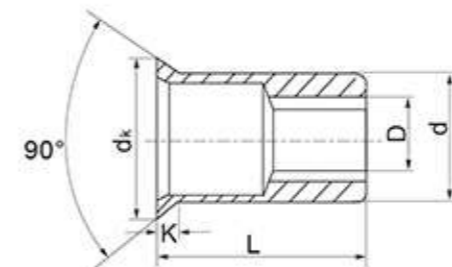
PTR

| SIZE    | D    | Grip Range<br>e | h<br>Ref. | do<br>+0.15<br>+0.05 | d<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |      |
|---------|------|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|------|
| PTR-M3  | M3R  | M3              | 0.5~2.0   | 4.5                  | 5                   | 5           | 7          | 0.8        | 8.8  |
| PTR-M4  | M4R  | M4              | 0.5~2.0   | 6.5                  | 6                   | 6           | 9          | 0.8        | 10.8 |
| PTR-M5  | M5R  | M5              | 0.5~2.5   | 8.0                  | 7                   | 7           | 10         | 1.0        | 13.0 |
| PTR-M6  | M6R  | M6              | 0.5~3.0   | 9.0                  | 9                   | 9           | 13         | 1.5        | 15.0 |
| PTR-M8  | M8R  | M8              | 0.5~3.5   | 11.5                 | 11                  | 11          | 15         | 1.5        | 18.0 |
| PTR-M10 | M10R | M10             | 0.5~3.5   | 12.5                 | 13                  | 13          | 17         | 1.8        | 20.3 |
| PTR-M12 | M12R | M12             | 0.5~3.5   | 15.5                 | 15                  | 15          | 19         | 1.8        | 24.3 |

**XCT Series**
**THIN CSK HEAD RIVET NUT**


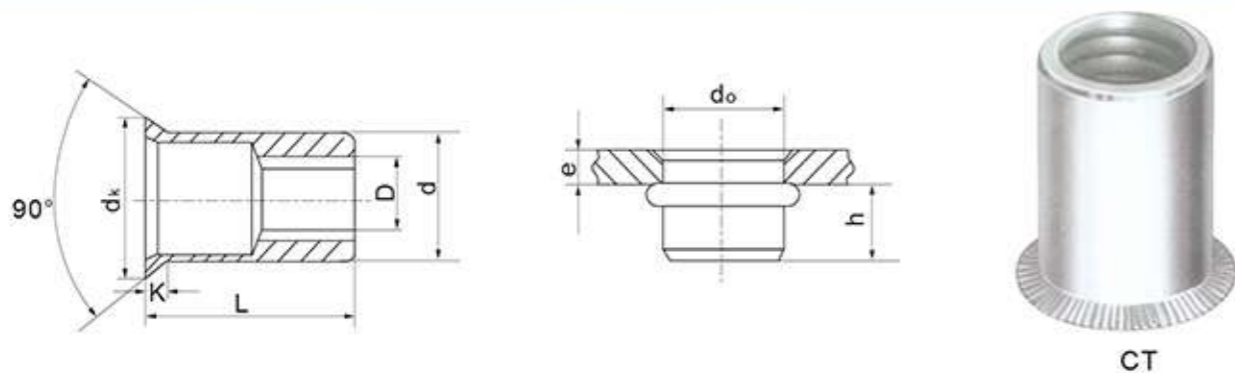
XCT

| SIZE    | D   | Grip Range<br>e | h<br>Ref. | do<br>+0.15<br>+0.05 | d<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |      |
|---------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|------|
| XCT-M3  | M3  | M3              | 0.5~2.0   | 5.0                  | 5                   | 5           | 5.50       | 0.35       | 8.5  |
| XCT-M4  | M4  | M4              | 0.5~2.0   | 6.5                  | 6                   | 6           | 6.75       | 0.50       | 10.0 |
| XCT-M5  | M5  | M5              | 0.5~2.5   | 8.0                  | 7                   | 7           | 8.00       | 0.60       | 12.0 |
| XCT-M6  | M6  | M6              | 0.5~3.0   | 9.5                  | 9                   | 9           | 10.00      | 0.60       | 14.5 |
| XCT-M8  | M8  | M8              | 0.5~3.5   | 10.5                 | 11                  | 11          | 12.30      | 0.60       | 16.5 |
| XCT-M10 | M10 | M10             | 0.5~3.5   | 13.0                 | 13                  | 13          | 14.50      | 0.85       | 19.0 |
| XCT-M12 | M12 | M12             | 0.5~3.5   | 16.0                 | 15                  | 15          | 16.50      | 0.85       | 22.5 |

**XCTR Series**
**THIN CSK HEAD RIVET NUT**


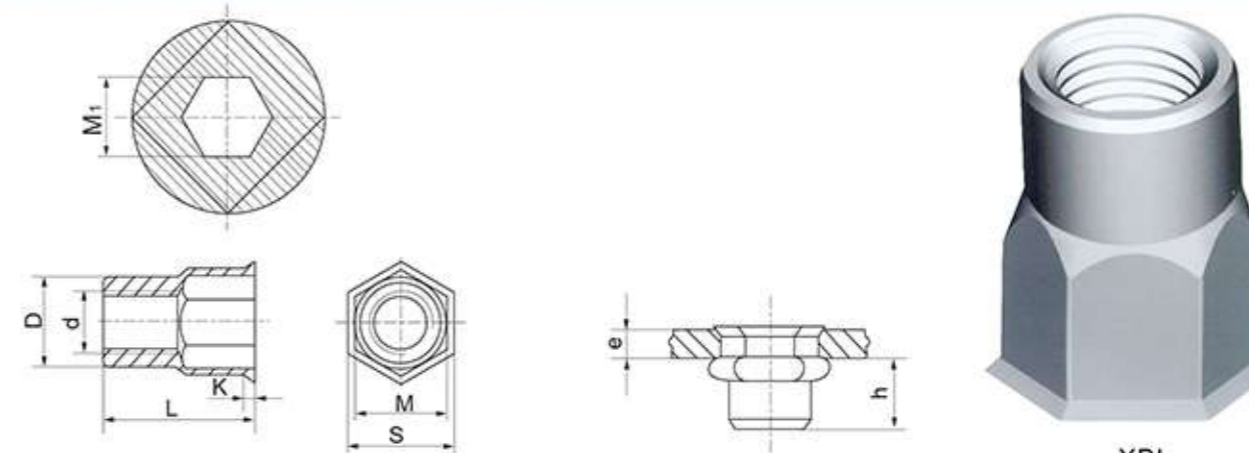
XCTR

| SIZE     | D   | Grip Range<br>e | h<br>Ref. | do<br>+0.15<br>+0.05 | d<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |      |
|----------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|------|
| XCTR-M3  | M3  | M3              | 0.5~2.0   | 5.0                  | 5                   | 5           | 5.50       | 0.35       | 8.5  |
| XCTR-M4  | M4  | M4              | 0.5~2.0   | 6.5                  | 6                   | 6           | 6.75       | 0.50       | 10.0 |
| XCTR-M5  | M5  | M5              | 0.5~2.5   | 8.0                  | 7                   | 7           | 8.00       | 0.60       | 12.0 |
| XCTR-M6  | M6  | M6              | 0.5~3.0   | 9.5                  | 9                   | 9           | 10.00      | 0.60       | 14.5 |
| XCTR-M8  | M8  | M8              | 0.5~3.5   | 10.5                 | 11                  | 11          | 12.30      | 0.60       | 16.5 |
| XCTR-M10 | M10 | M10             | 0.5~3.5   | 13.0                 | 13                  | 13          | 14.50      | 0.85       | 19.0 |
| XCTR-M12 | M12 | M12             | 0.5~3.5   | 16.0                 | 15                  | 15          | 16.50      | 0.85       | 22.5 |

**CT Series**
**COUNTERSUNK HEAD RIVET NUT**


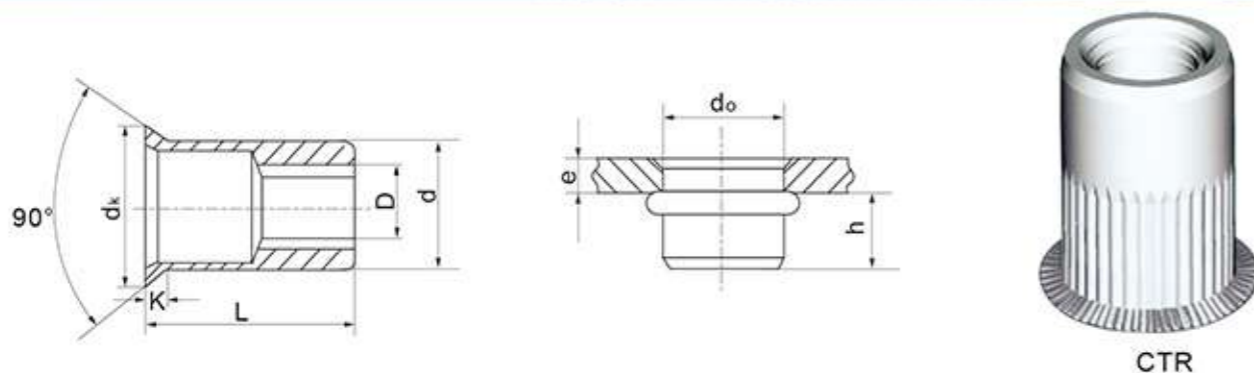
CT

| SIZE   | D   | Grip Range<br>e | h<br>Ref. | do<br>+0.15<br>+0.05 | d<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |
|--------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|
| CT-M3  | M3  | 1.6~3.5         | 4.5       | 5                    | 5                   | 7           | 0.8        | 8.8        |
| CT-M4  | M4  | 1.6~3.5         | 6.0       | 6                    | 6                   | 9           | 0.8        | 10.8       |
| CT-M5  | M5  | 1.6~4.0         | 8.5       | 7                    | 7                   | 10          | 1.0        | 13.0       |
| CT-M6  | M6  | 1.6~4.5         | 9.0       | 9                    | 9                   | 13          | 1.5        | 15.0       |
| CT-M8  | M8  | 1.6~5.0         | 10.0      | 11                   | 11                  | 15          | 1.5        | 18.0       |
| CT-M10 | M10 | 1.6~5.0         | 11.5      | 13                   | 13                  | 17          | 1.8        | 20.3       |
| CT-M12 | M12 | 1.6~5.0         | 14.5      | 15                   | 15                  | 19          | 1.8        | 24.3       |

**XBL Series**
**THIN HEAD HALF HEX RIVET NUT**


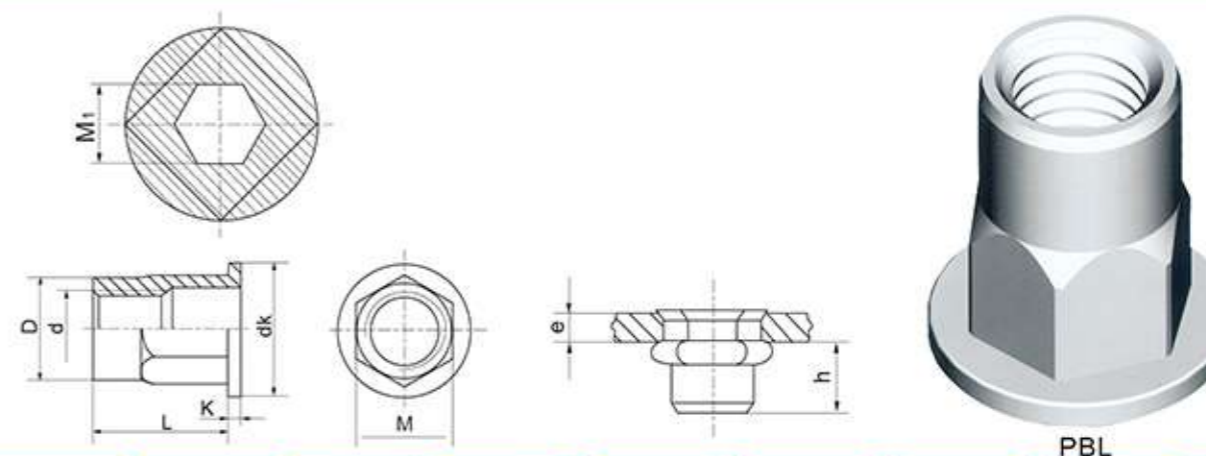
XBL

| SIZE    | D   | Grip Range<br>e | h<br>Ref. | M1<br>+0.15<br>+0.05 | M<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |
|---------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|
| XBL.M4  | M4  | 0.5~2.0         | 6.5       | 6                    | 6                   | 6.75        | 0.50       | 10.0       |
| XBL.M5  | M5  | 0.5~2.5         | 8.0       | 7                    | 7                   | 8.00        | 0.60       | 12.0       |
| XBL.M6  | M6  | 0.5~3.0         | 9.5       | 9                    | 9                   | 10.00       | 0.60       | 14.5       |
| XBL.M8  | M8  | 0.5~3.5         | 10.0      | 11                   | 11                  | 12.30       | 0.60       | 16.5       |
| XBL.M10 | M10 | 0.5~3.5         | 12.5      | 13                   | 13                  | 14.50       | 0.85       | 19.0       |

**CTR Series**
**COUNTERSUNK HEAD RIVET NUT**


CTR

| SIZE    | D   | Grip Range<br>e | h<br>Ref. | do<br>+0.15<br>+0.05 | d<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |
|---------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|
| CTR-M3  | M3  | 1.6~3.5         | 4.5       | 5                    | 5                   | 7           | 0.8        | 8.8        |
| CTR-M4  | M4  | 1.6~3.5         | 6.0       | 6                    | 6                   | 9           | 0.8        | 10.8       |
| CTR-M5  | M5  | 1.6~4.0         | 8.5       | 7                    | 7                   | 10          | 1.0        | 13.0       |
| CTR-M6  | M6  | 1.6~4.5         | 9.0       | 9                    | 9                   | 13          | 1.5        | 15.0       |
| CTR-M8  | M8  | 1.6~5.0         | 10.0      | 11                   | 11                  | 15          | 1.5        | 18.0       |
| CTR-M10 | M10 | 1.6~5.0         | 11.5      | 13                   | 13                  | 17          | 1.8        | 20.3       |
| CTR-M12 | M12 | 1.6~5.0         | 14.5      | 15                   | 15                  | 19          | 1.8        | 24.3       |

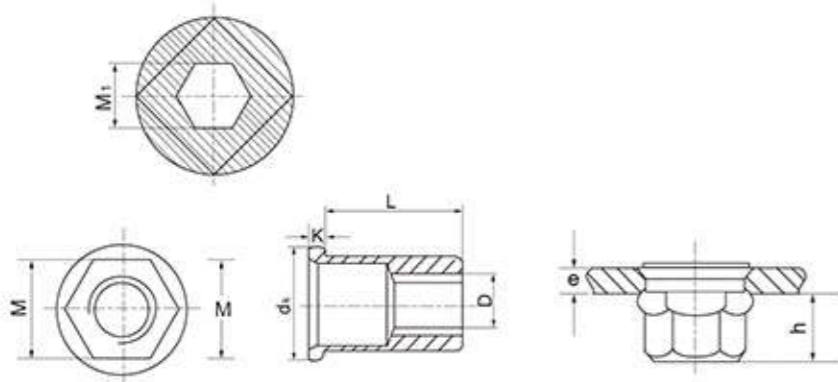
**PBL Series**
**FLAT HEAD HEX RIVET NUT**


PBL

| SIZE   | D   | Grip Range<br>e | h<br>Ref. | M1<br>+0.15<br>+0.05 | M<br>-0.03<br>-0.20 | dk<br>±0.30 | K<br>±0.20 | L<br>±0.30 |
|--------|-----|-----------------|-----------|----------------------|---------------------|-------------|------------|------------|
| PBL-M4 | M4  | 0.5~2.5         | 6.5       | 6                    | 6                   | 9           | 0.8        | 10.8       |
| PBL-M5 | M5  | 0.5~3.0         | 8.0       | 7                    | 7                   | 10          | 1.0        | 13.0       |
| PBL-M6 | M6  | 0.5~3.5         | 8.5       | 9                    | 9                   | 13          | 1.5        | 15.8       |
| PBL-M7 | M8  | 0.5~3.5         | 10.5      | 11                   | 11                  | 15          | 1.5        | 18.0       |
| PBL-M8 | M10 | 0.5~3.5         | 12.0      | 13                   | 13                  | 17          | 1.8        | 20.3       |

PL Series

FLAT HEAD HEX RIVET NUT



PL

| SIZE   | D   | Grip Range<br>e | h<br>Ref. | M <sub>1</sub><br>+0.15<br>+0.05 | M<br>-0.03<br>-0.20 | d <sub>k</sub><br>±0.30 | K<br>±0.20 | L<br>±0.30 |
|--------|-----|-----------------|-----------|----------------------------------|---------------------|-------------------------|------------|------------|
| PL-M4  | M4  | 0.5~2.5         | 6.5       | 6                                | 6                   | 9                       | 0.8        | 10.8       |
| PL-M5  | M5  | 0.5~3.0         | 8.0       | 7                                | 7                   | 10                      | 1.0        | 13.0       |
| PL-M6  | M6  | 0.5~3.5         | 8.5       | 9                                | 9                   | 13                      | 1.5        | 15.8       |
| PL-M8  | M8  | 0.5~3.5         | 10.5      | 11                               | 11                  | 15                      | 1.5        | 18.0       |
| PL-M10 | M10 | 0.5~3.5         | 12.0      | 12                               | 12                  | 17                      | 1.8        | 20.3       |
| PL-M12 | M12 | 0.5~3.5         | 16.0      | 15                               | 15                  | 19                      | 1.8        | 24.3       |

| Picture | Item No. | Specification                                |
|---------|----------|--|
|         | HPS-2    | Riveting: Φ2.4-4.8mm                         |
|         |          | Capable of all materials                     |
|         |          | Pull force: 1100Kg                           |
|         |          | Stroke: 20mm                                 |
|         |          | Pressure required: Min. 0.5MPa               |
|         |          | Weight: 1.6kg                                |
|         | HPS-3    | Riveting: Φ3.2-6.4mm                         |
|         |          | Capable of all materials: Mainly for S-Bolt  |
|         |          | Pull force: 1200Kg                           |
|         |          | Stroke: 26mm                                 |
|         |          | Pressure required: Min. 0.5MPa               |
|         |          | Weight: 1.9kg                                |
|         | HPS-4    | Riveting: Φ3.2-6.4mm                         |
|         |          | Capable of all materials: Mainly for Hem-Fix |
|         |          | Pull force: 1600Kg                           |
|         |          | Stroke: 20mm                                 |
|         |          | Pressure required: Min. 0.5MPa               |
|         |          | Weight: 1.9kg                                |
|         | I-1      | Riveting: M4-M12 for Steel and Aluminium     |
|         |          | Riveting: M4-M8 for Stainless steel          |
|         |          | Pressure required: Min. 0.5MPa               |
|         |          | Weight: 2.3kg                                |