

# Nickel Copper Alloy

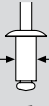
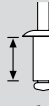
## Break Stem Open

### Domed Head

Nickel Copper Alloy  
Mandrel: Stainless Steel



- Extremely corrosion resistant
- Excellent for marine and other hostile environments
- **Stainless Steel mandrel for further corrosion resistance**

| <br><i>d</i><br>mm | <br><i>l</i><br>mm | <br><i>g</i><br>mm | DESCRIPTION      | <br><i>d<sub>h</sub></i><br>mm | <br><i>d<sub>k</sub></i><br>mm | <br><i>k</i><br>mm | <br><i>d<sub>m</sub></i><br>mm | <br><i>S</i><br>N | <br><i>T</i><br>N | BULK PACK  |         | SMALL PACK |         | <br>kg |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------|---------|------------|---------|-------------------------------------------------------------------------------------------|
|                                                                                                     |                                                                                                     |                                                                                                     |                  |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | ARTICLE    | BOX QTY | ARTICLE    | BOX QTY |                                                                                           |
| <b>3.2</b><br>3.15 - 3.25                                                                           | 3.5                                                                                                 | Up To 0.8                                                                                           | <b>TLED413SS</b> | 3.3 - 3.4                                                                                                       | 5.80 - 6.65                                                                                                     | 1.10                                                                                                | 1.93                                                                                                            | 1,750                                                                                               | 2,500                                                                                                | on request |         | on request |         | 1.19                                                                                      |
|                                                                                                     | 5.0                                                                                                 | 0.5 - 1.8                                                                                           | <b>TLED419SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77096      | 10,000  | 89488      | 500     | 1.25                                                                                      |
|                                                                                                     | 6.2                                                                                                 | 1.8 - 3.1                                                                                           | <b>TLED424SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77097      | 10,000  | 89489      | 500     | 1.31                                                                                      |
|                                                                                                     | 7.5                                                                                                 | 3.1 - 4.3                                                                                           | <b>TLED429SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77098      | 10,000  | 89490      | 500     | 1.44                                                                                      |
|                                                                                                     | 9.0                                                                                                 | 4.3 - 5.8                                                                                           | <b>TLED435SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77099      | 10,000  | 89491      | 500     | 1.50                                                                                      |
|                                                                                                     | 10.3                                                                                                | 5.8 - 7.1                                                                                           | <b>TLED440SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77100      | 10,000  | 89492      | 500     | 1.55                                                                                      |
| <b>4.0</b><br>3.85 - 4.08                                                                           | 6.2                                                                                                 | 1.3 - 2.5                                                                                           | <b>TLED524SS</b> | 4.1 - 4.2                                                                                                       | 7.62 - 8.22                                                                                                     | 1.35                                                                                                | 2.29                                                                                                            | 3,000                                                                                               | 4,000                                                                                                | 77731      | 6,000   | 89507      | 500     | 2.08                                                                                      |
|                                                                                                     | 7.8                                                                                                 | 2.5 - 4.1                                                                                           | <b>TLED530SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77733      | 6,000   | 89508      | 500     | 2.22                                                                                      |
|                                                                                                     | 9.5                                                                                                 | 4.1 - 5.8                                                                                           | <b>TLED537SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77734      | 6,000   | 89509      | 500     | 2.48                                                                                      |
|                                                                                                     | 10.3                                                                                                | 5.8 - 6.6                                                                                           | <b>TLED540SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77735      | 6,000   | 89510      | 500     | 2.57                                                                                      |
|                                                                                                     | 11.5                                                                                                | 6.6 - 7.9                                                                                           | <b>TLED545SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77736      | 6,000   | 89511      | 500     | 2.67                                                                                      |
|                                                                                                     | 13.0                                                                                                | 7.9 - 9.4                                                                                           | <b>TLED551SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | on request |         | on request |         | 2.78                                                                                      |
|                                                                                                     |                                                                                                     |                                                                                                     |                  |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | on request |         | on request |         |                                                                                           |
| <b>4.8</b><br>4.70 - 4.88                                                                           | 6.2                                                                                                 | 0.5 - 2.3                                                                                           | <b>TLPD624SS</b> | 4.9 - 5.0                                                                                                       | 7.85 - 8.40                                                                                                     | 1.27                                                                                                | 2.90                                                                                                            | 3,300                                                                                               | 3,750                                                                                                | on request |         | on request |         | 3.01                                                                                      |
|                                                                                                     | 7.7                                                                                                 | 2.3 - 3.8                                                                                           | <b>TLPD630SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 78074      | 4,000   | 88321      | 500     | 3.18                                                                                      |
|                                                                                                     | 9.3                                                                                                 | 3.8 - 5.1                                                                                           | <b>TLPD636SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77617      | 4,000   | 88791      | 500     | 3.37                                                                                      |
|                                                                                                     | 10.0                                                                                                | 5.1 - 5.8                                                                                           | <b>TLPD639SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77621      | 4,000   | 88323      | 500     | 3.72                                                                                      |
|                                                                                                     | 12.8                                                                                                | 5.8 - 8.6                                                                                           | <b>TLPD650SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77627      | 4,000   | 88324      | 500     | 3.90                                                                                      |
|                                                                                                     | 16.5                                                                                                | 8.6 - 12.5                                                                                          | <b>TLPD665SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77675      | 3,000   | 88325      | 500     | 4.51                                                                                      |
|                                                                                                     | 19.0                                                                                                | 12.5 - 15.0                                                                                         | <b>TLPD675SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 77681      | 3,000   | 88326      | 500     | 4.68                                                                                      |
|                                                                                                     | 21.7                                                                                                | 15.0 - 17.5                                                                                         | <b>TLPD685SS</b> |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | 82151      | 3,000   | on request |         | 5.76                                                                                      |
|                                                                                                     |                                                                                                     |                                                                                                     |                  |                                                                                                                 |                                                                                                                 |                                                                                                     |                                                                                                                 |                                                                                                     |                                                                                                      | on request |         | on request |         |                                                                                           |

*d*=Nominal Diameter, Min - Max Diameter; *l*=Body Length (+/- 0.5mm); *g*=Grip Range (Min - Max); *d<sub>h</sub>*=Hole Size (Min - Max); *d<sub>k</sub>*=Flange Diameter (Min - Max);  
*k*=Flange Thickness (Max); *d<sub>m</sub>*=Nominal Mandrel Diameter; *S*=Nominal Shear Strength; *T*=Nominal Tensile Strength