

**Screws / Bolts**

| Drawing            | Part Number        | Dimension (mm)    |           |     |     |      |     | Angle (°) |     | Torque (N•m)              | Notes |
|--------------------|--------------------|-------------------|-----------|-----|-----|------|-----|-----------|-----|---------------------------|-------|
|                    |                    | A                 | B         | C   | D   | E    | F   | α         | θ   |                           |       |
|                    | <b>SB -1TR</b>     | M2X0.4            | 5.3       | 3.8 |     |      | T6  |           | 0.5 | R Shows Right-hand Thread |       |
|                    | <b>-2TR</b>        | M2.5X0.45         | 6.2       | 4.5 |     |      | T8  |           | 1.2 |                           |       |
|                    | <b>-3TR</b>        | M3X0.5            | 7.2       | 4.8 |     |      | T10 | 82°       | 2.0 |                           |       |
|                    | <b>-3STR</b>       |                   | 6.4       | 5.2 |     |      |     |           |     |                           |       |
|                    | <b>-3.5TR</b>      | M3.5X0.6          | 9.3       | 5.6 |     |      | T15 |           | 3.5 |                           |       |
|                    | <b>-4TR</b>        | M4X0.7            | 7.7       | 5.8 |     |      |     |           |     |                           |       |
|                    | <b>-5TR</b>        | M5X0.8            | 20.0      | 8.7 | -   | -    | T20 |           | 4.5 |                           |       |
|                    | <b>-2290TR</b>     | M2.2X0.45         | 9.2       | 2.8 |     |      | T6  |           | 0.5 |                           |       |
|                    | <b>-25100TR</b>    | M2.5X0.45         | 10.0      | 3.5 |     |      | T7  |           | 0.8 |                           |       |
|                    | <b>-40115TR</b>    | M4X0.7            | 11.5      | 5.5 |     |      | T15 |           | 3.5 |                           |       |
|                    | <b>-5070TR</b>     | M5X0.8            | 7.0       |     |     |      | T20 | 60°       | 4.5 |                           |       |
|                    | <b>-5090TR</b>     |                   | 9.0       | 6.8 |     |      |     |           |     |                           |       |
|                    | <b>-50120TR</b>    |                   | 12.0      |     |     |      |     |           |     |                           |       |
|                    | <p>SB-40125TRN</p> | <b>SB -1635TR</b> | M1.6X0.35 | 3.3 | 2.6 |      |     | T6        |     |                           | 60°   |
| <b>SB -1STR</b>    |                    | M2X0.4            | 5.0       | 3.1 |     |      | T6  |           | 60° |                           |       |
| <b>-1840TRP</b>    |                    | M1.8X0.35         | 4.0       | 2.5 |     |      | 6IP |           | 55° |                           |       |
| <b>-2035TR</b>     |                    | M2X0.4            | 3.7       | 3.0 |     |      | T6  | -         | 60° | 0.5                       |       |
| <b>-2035TRG</b>    |                    |                   | 3.5       | 2.7 |     |      |     |           |     |                           |       |
| <b>-2040TR</b>     |                    |                   | 3.8       | 3.0 |     |      |     |           |     |                           |       |
| <b>-2040TRG</b>    |                    |                   | 4.0       |     |     |      |     |           |     |                           |       |
| <b>-2042TRG</b>    |                    |                   | 4.1       | 2.7 |     |      |     |           |     |                           |       |
| <b>-2045TR</b>     |                    |                   | 4.3       |     |     |      |     |           |     |                           |       |
| <b>-2045TRN</b>    |                    |                   |           | 2.8 |     |      |     |           |     |                           |       |
| <b>-2050TR</b>     |                    |                   | 4.8       | 3.0 |     |      |     |           |     |                           |       |
| <b>-2060TR</b>     |                    |                   | 5.8       | 3.5 |     |      |     |           |     |                           |       |
| <b>-2080TR</b>     |                    |                   | 8.3       | 2.8 |     |      |     |           |     |                           |       |
| <b>SB -2250TR</b>  |                    | M2.2X0.45         | 5.1       | 3.1 |     |      | T7  | -         | 60° | 0.8                       |       |
| <b>-2255TR</b>     |                    |                   | 5.5       | 3.5 |     |      |     |           |     |                           |       |
| <b>-2260TR</b>     |                    |                   | 5.8       | 3.1 |     |      |     |           |     |                           |       |
| <b>SB -2545TR</b>  |                    | M2.5X0.45         | 4.6       |     |     |      | T8  | -         | 60° | 1.2                       |       |
| <b>-2555TRG</b>    |                    |                   | 5.4       |     |     |      |     |           |     |                           |       |
| <b>-2555TRP</b>    |                    |                   | 5.5       | 3.5 |     |      |     |           |     |                           |       |
| <b>-2560TR</b>     |                    |                   | 5.7       |     |     |      |     |           |     |                           |       |
| <b>-2570TR</b>     |                    |                   | 6.8       |     |     |      |     |           |     |                           |       |
| <b>SB -3060TR</b>  |                    | M3X0.5            | 5.3       | 4.2 |     |      | T10 | -         | 60° | 2.0                       |       |
| <b>-3060TRG</b>    |                    |                   | 5.9       |     |     |      |     |           |     |                           |       |
| <b>-3065TRP</b>    |                    |                   | 6.5       | 4.0 |     |      |     |           |     |                           |       |
| <b>-3070TRG</b>    |                    |                   | 7.0       |     |     |      |     |           |     |                           |       |
| <b>-3070TRP</b>    |                    |                   |           | 4.2 |     |      |     |           |     |                           |       |
| <b>-3080TR</b>     |                    |                   | 8.0       |     |     |      |     |           |     |                           |       |
| <b>SB -3580TR</b>  |                    | M3.5X0.6          | 8.0       | 5.3 |     |      | T15 | -         | 60° | 3.5                       |       |
| <b>-3590TRP</b>    |                    |                   | 9.0       |     |     |      |     |           |     |                           |       |
| <b>-3592TR</b>     |                    |                   | 9.2       | 5.1 |     |      |     |           |     |                           |       |
| <b>SB -4050TRN</b> |                    | M4X0.5            | 4.6       | 5.1 |     |      | T10 | -         | 57° | 2.0                       |       |
| <b>-4060TR</b>     |                    |                   | 5.9       |     |     |      |     |           |     |                           |       |
| <b>-4065TR</b>     |                    |                   | 6.7       | 5.5 |     |      |     |           |     |                           |       |
| <b>-4070TRG</b>    |                    |                   | 7.0       |     |     |      |     |           |     |                           |       |
| <b>-4070TRN</b>    |                    |                   | 7.7       | 5.4 |     |      |     |           |     |                           |       |
| <b>-4070TRS</b>    |                    |                   | 6.7       |     |     |      |     |           |     |                           |       |
| <b>-4075TRP</b>    |                    |                   | 7.5       |     |     |      |     |           |     |                           |       |
| <b>-4082TPR</b>    |                    |                   | 8.2       | 5.5 |     |      |     |           |     |                           |       |
| <b>-4085TR</b>     |                    |                   | M4X0.7    | 8.5 |     |      |     |           |     |                           |       |
| <b>-4085TRP</b>    |                    |                   |           |     |     |      |     |           |     |                           |       |
| <b>-4090TRP</b>    |                    |                   |           | 9.0 | 5.7 |      |     |           |     |                           |       |
| <b>-4090TRPN</b>   |                    |                   |           | 5.5 |     |      |     |           |     |                           |       |
| <b>-40120TR</b>    |                    |                   | 12.0      | 5.1 |     |      |     |           |     |                           |       |
| <b>-40125TRN</b>   |                    |                   | 12.5      | 5.2 |     |      |     |           |     |                           |       |
| <b>-40140TR</b>    |                    |                   |           | 5.5 |     |      |     |           |     |                           |       |
| <b>-40140TRN</b>   |                    | 14.0              | 6.7       |     |     |      |     |           |     |                           |       |
| <b>SB -45130TR</b> | M4.5X0.75          | 13.0              | 6.6       |     |     | 20IP |     | 55°       | 4.5 |                           |       |
| <b>SB -5085TR</b>  | M5X0.8             | 8.5               | 6.8       |     |     | T20  | -   | 50°       | 4.5 |                           |       |
| <b>-50120TRP</b>   |                    | 12.0              | 6.8       |     |     |      |     |           |     |                           |       |
| <b>-50120TRS</b>   |                    |                   | 7.2       |     |     |      |     |           |     |                           |       |
| <b>-50137K</b>     |                    | 13.7              | 9.7       |     |     |      |     |           |     |                           |       |
| <b>-50140TR</b>    |                    |                   |           |     |     |      |     |           |     |                           |       |
| <b>-50140TRP</b>   |                    | 14.0              | 7.3       |     |     |      |     |           |     |                           |       |
| <b>SB -60120TR</b> | M6X1.0             | 12.0              | 8.5       |     |     | T25  |     | 60°       | 6.0 |                           |       |

|                    |          |
|--------------------|----------|
| GRADES             | <b>A</b> |
| LINEUP / INSERTS   | <b>B</b> |
| 45° / 70° LEAD     | <b>C</b> |
| 75° LEAD           | <b>D</b> |
| 90° LEAD           | <b>E</b> |
| HIGH FEED          | <b>F</b> |
| MULTI-FUNCTION     | <b>G</b> |
| SLOT MILLS         | <b>H</b> |
| RADIUS / BALL-NOSE | <b>J</b> |
| OTHER APPLICATIONS | <b>K</b> |
| TOOL HOLDING       | <b>O</b> |
| SPARE PARTS        | <b>P</b> |
| TECHNICAL          | <b>R</b> |
| INDEX              | <b>T</b> |