

TECHNICAL DATASHEET

TECHFIX STAINLESS WINGED LIGHT SECTION RANGE (5.5mm DIA.)

SUMMARY

|                  |                                       |
|------------------|---------------------------------------|
| DESCRIPTION      | 5.5 x L mm CSK Winged 2pt drill screw |
| MATERIAL         | AISI 304 Austenitic Stainless Steel   |
| REC. DRILL SPEED | 1800 – 2500RPM                        |

LIFE EXPECTANCY

|             |           |
|-------------|-----------|
| URBAN/RURAL | 25+ YEARS |
| INDUSTRIAL  | 20+ YEARS |

MECHANICAL PERFORMANCE

|                |           |
|----------------|-----------|
| DRILL CAPACITY | up to 3mm |
|----------------|-----------|

|                  |        |
|------------------|--------|
| TENSILE STRENGTH | 10.8kN |
|------------------|--------|



|                |       |
|----------------|-------|
| SHEAR STRENGTH | 9.0kN |
|----------------|-------|



|                |              |        |
|----------------|--------------|--------|
| PULL-OUT VALUE | 1.50mm STEEL | 4.50kN |
|                | 2.0mm STEEL  | 6.10kN |
|                | 3.0mm STEEL  | 9.50kN |

NB all values given are ultimate failure values – no safety factor included

TECHNICAL DATASHEET

TECHFIX STAINLESS WINGED HEAVY SECTION RANGE (5.5mm DIA.)

SUMMARY

|                  |                                       |
|------------------|---------------------------------------|
| DESCRIPTION      | 5.5 x L mm CSK Winged 5pt drill screw |
| MATERIAL         | AISI 304 Austenitic Stainless Steel   |
| RECESS TYPE      | Phillips 3                            |
| REC. DRILL SPEED | 1800 RPM                              |

LIFE EXPECTANCY

|             |           |
|-------------|-----------|
| URBAN/RURAL | 25+ YEARS |
| INDUSTRIAL  | 20+ YEARS |

MECHANICAL PERFORMANCE

|                |              |
|----------------|--------------|
| DRILL CAPACITY | 4.0 – 12.5mm |
|----------------|--------------|

|                  |        |
|------------------|--------|
| TENSILE STRENGTH | 11.6kN |
|------------------|--------|



|                |       |
|----------------|-------|
| SHEAR STRENGTH | 9.8kN |
|----------------|-------|



|                |              |         |
|----------------|--------------|---------|
| PULL-OUT VALUE | 4.0mm STEEL  | 4.50kN  |
|                | 5.0mm STEEL  | 5.90kN  |
|                | 6.0mm STEEL  | 7.30kN  |
|                | 8.0mm STEEL  | 8.90kN  |
|                | 10.0mm STEEL | 10.70kN |
|                | 12.5mm STEEL | 11.90kN |

NB all values given are ultimate failure values – no safety factor included



## TECHNICAL DATASHEET

### TECHFIX STAINLESS WINGED LIGHT SECTION RANGE (4.8mm DIA.)

#### SUMMARY

|                  |                                       |
|------------------|---------------------------------------|
| DESCRIPTION      | 4.8 x L mm CSK Winged 2pt drill screw |
| MATERIAL         | AISI 304 Austenitic Stainless Steel   |
| REC. DRILL SPEED | 1800 – 2500RPM                        |

#### LIFE EXPECTANCY

|             |           |
|-------------|-----------|
| URBAN/RURAL | 25+ YEARS |
| INDUSTRIAL  | 20+ YEARS |

#### MECHANICAL PERFORMANCE

|                |           |
|----------------|-----------|
| DRILL CAPACITY | up to 3mm |
|----------------|-----------|

|                  |       |
|------------------|-------|
| TENSILE STRENGTH | 9.8kN |
|------------------|-------|



|                |       |
|----------------|-------|
| SHEAR STRENGTH | 8.2kN |
|----------------|-------|



|                |              |        |
|----------------|--------------|--------|
| PULL-OUT VALUE | 1.25mm STEEL | 1.96kN |
|                | 1.50mm STEEL | 2.70kN |
|                | 2.0mm STEEL  | 3.50kN |
|                | 2.5mm STEEL  | 4.50kN |
|                | 3.0mm STEEL  | 5.00kN |
|                | 3.5mm STEEL  | 6.30kN |

NB all values given are ultimate failure values – no safety factor included