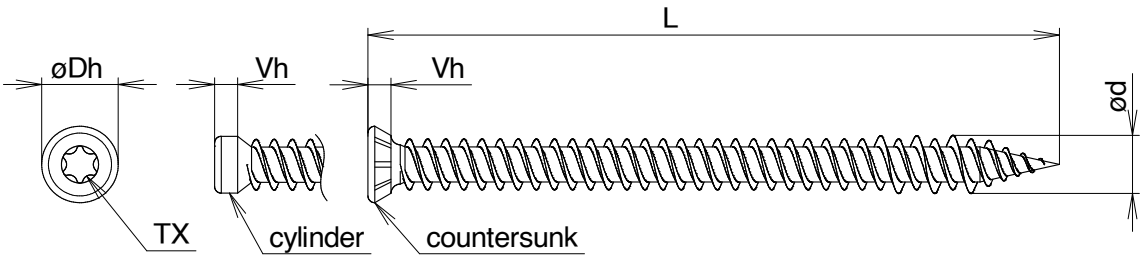
KASPAR
material de construção em madeira

Technical sheet

# Window frame screw - head countersunk or cylinder

| Material |
|---|
| steel C1022 |
| **Surface threatment** |
| galvanic zinc |




Marking and dimensions / mm

| ID | | marking | Ø d | L | Ø Dh | | Ø Vh | | TX |
|---|---|---|---|---|---|---|---|---|---|
| countersunk | cylinder | | | | countersunk | cylinder | countersunk | cylinder | |
| 10278 | 25357 | 7,5x52 | 7,5 | 52 | 11,3 | 8,4 | 3,5 | 3,3 | 30 |
| 10279 | 25358 | 7,5x62 | | 62 | | | | | |
| 10280 | 23359 | 7,5x72 | | 72 | | | | | |
| 10281 | NA | 7,5x82 | | 82 | | | | | |
| 10282 | 25360 | 7,5x92 | | 92 | | | | | |
| 10270 | NA | 7,5x102 | | 102 | | | | | |
| 10271 | 25361 | 7,5x112 | | 112 | | | | | |
| 10272 | NA | 7,5x122 | | 122 | | | | | |
| 10273 | 25362 | 7,5x132 | | 132 | | | | | |
| 10274 | 25363 | 7,5x152 | | 152 | | | | | |
| 10275 | 25364 | 7,5x182 | | 182 | | | | | |
| 10276 | NA | 7,5x202 | | 202 | | | | | |
| 10277 | 25365 | 7,5x212 | | 212 | | | | | |
| 20819 | NA | 7,5x252 | | 252 | | | | | |
| 20821 | NA | 7,5x302 | | 302 | | | | | |

NA – not available for this dimension

Aplication in materials

| Masonry material | Minimal edge distance $c_{min}$ | Recommended pre-driling | Minimum thickness of the base material $h_{min}$ | Effective anchoring depth $h_{ef}$ |
|---|---|---|---|---|
| Concrete C20/25 | 30 mm | Ø 6 mm | 100 mm ( $h_{ef}$ x 2 ) | 50 mm |
| Solid brick ( PPC ) | 40 mm | | | |
| Hollow brick ( DC ) | 60 mm or at least two ribs | | | |
| Aerated concrete (AAC ) | 60 mm | | | |

- hollow brick ( DC ) drilling without hammering
- aerated concrete ( AAC ) must also be pre-drilled
- screws must not be anchored in the joint

Declared bearing capacity values in defined materials

| Tracked properties | Test standard | Declared value kN | |
|---|---|---|---|
| Characteristic failure capacity of steel under shear loading | EAD 330747-00-0601 | **3,55** | |
| Characteristic bearing capacity for shear loads in: | | | Safety factor calculated |
| concrete C20/25 | EAD 330747-00-0604 | **2,60** | 1,40 |
| solid brick ( PPC ) | | **1,00** | 2,50 |
| hollow brick ( DC ) | | **0,53** | |
| aerated concrete ( AAC ) | | **0,16** | 2,00 |



**Kaspar Lda**
En Norte 138B, 6090-534 Penamacor
info@kaspar.pt
+351 932 939 260