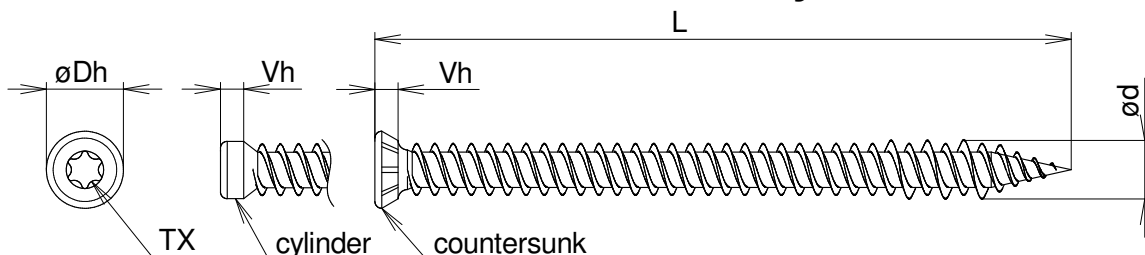




## Window frame screw - head countersunk or cylinder

<b>Material</b>
steel C1022
<b>Surface threatment</b>
galvanic zinc



Marking and dimensions / mm

ID		marking	Ø d	L	Ø Dh		Ø Vh		TX
countersunk	cylinder				countersunk	cylinder	countersunk	cylinder	
10278	23357	7,5x52	7,5	52	11,3	8,4	3,5	3,3	30
10279	23358	7,5x62		62					
10280	23359	7,5x72		72					
10281	NA	7,5x82		82					
10282	23360	7,5x92		92					
10270	NA	7,5x102		102					
10271	23361	7,5x112		112					
10272	NA	7,5x122		122					
10273	23362	7,5x132		132					
10274	23363	7,5x152		152					
10275	23364	7,5x182		182					
10276	NA	7,5x202		202					
10277	23365	7,5x212		212					
20819	NA	7,5x252		252					
20821	NA	7,5x302		302					

NA – not available for this dimension

### Application in materials

Masonry material	Minimal edge distance $C_{min}$	Recommended pre-drilling	Minimum thickness of the base material $h_{min}$	Effective anchoring depth $h_{ef}$
Concrete C20/25	30 mm	Ø 6 mm	100 mm ( $h_{ef} \times 2$ )	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