


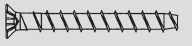
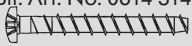
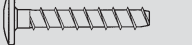
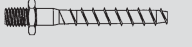
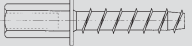

Performance Data

Screw anchor diameter [mm]		5	6	7.5	
Perm. load (tensile, transv. load and oblique pull under every angle)	Pressure zone (uncracked concrete)	$F_{per} [kN] \geq C20/25$ or B25	$F_{rec} 0.3^1)$	1.5	2.0
	Anchoring of light ceiling coverings and joist ceilings according to DIN 18168	$F_{per} [kN] \geq C20/25$ or B25	-	0.3	0.5
Permissible bending torque		$T_{perm} [Nm]$	-	5.1	10.0
Solid sand-lime brick ¹⁾		$F_{rec.} [kN] \geq CS12$	-	1.1 ¹⁾	1.4 ¹⁾
Clinker ¹⁾		$F_{rec.} [kN]$	-	1.1 ¹⁾	1.4 ¹⁾
Solid brick ¹⁾		$F_{rec.} [kN] \geq MB12$	-	0.5 ¹⁾	0.8 ¹⁾
Fire resistance duration (anchoring base ²⁾ : concrete		F30 [kN]	0.5	0.9	1.5
		F60 [kN]	0.3	0.6	1.1
		F90 [kN]	0.25	0.4	0.8
		F120 [kN]	0.1	0.3	0.5

Characteristic Values

Axial spacing uncracked concrete/ceiling	$s \geq [mm]$	50 / -	160 / 200	160 / 200
Edge spacing uncracked concrete/ceiling	$c \geq [mm]$	50 / -	80 / 100	80 / 100
Minimum component thickness	$h_{min} \geq [mm]$	90	105	105
Effective anchoring depth	$h_{ef} \geq [mm]$	25	40	40
Nom. drill dia. ³⁾	$d_o [mm]$	4.0	5.0	6.0
Drill cutting dia.	$d_{cut} \leq [mm]$	4.4	5.4	6.4
Drilling hole depth	$h_1 \geq [mm]$	35	55	55
Length of anchor in drilling hole	$h_{nom} \geq [mm]$	30	45	45
Thread dia.	$d_s [mm]$	5.0	6.4	7.5
Through-hole in component to be connected	$d_f \leq [mm]$	5.5	6.5	8.0
Rec. torque for anchoring	$T_{rec} [Nm]$	8.0	12	20

Anchor Dimensions

Total length	l [mm]	30	30	40	50	60	25	50	70
max. thickness of attached part	t _{fix} [mm]	= screw length (l) - setting depth (h _{nom}) ⁴⁾							
Hexagon head Type SS, galvanised steel dia. 7.5, 13 mm 									
Countersunk head 90° Type SK, galvanised steel dia. 7.5 TX 40, head dia. 13.2-13.6 mm Bit: Art. No. 0614 314 0 									
Pan head Type P, galvanised steel dia. 5.0 TX 20, head dia. 7.5- 7.9 mm Bit: Art. No. 0614 312 0 dia. 6.0 TX 30, head dia. 11.2-11.6 mm Bit: Art. No. 0614 313 0 dia. 7.5 TX 40, head dia. 13.2-13.6 mm Bit: Art. No. 0614 314 0 		0901150030 P. Qty.: 200 ¹⁾	0901160030 P. Qty.: 200 ¹⁾		0901160050 P. Qty.: 200		0901175025 P. Qty.: 200 ¹⁾	0901175050 P. Qty.: 100	0901075050 P. Qty.: 200
Mounting rail screw Type MS, galvanised steel dia. 7.5 TX 30, head dia. 16.4 -17.0 mm Bit: Art. No. 0614 313 0 								0901175051 P. Qty.: 100	
Stud screw Type ST, galvanised steel dia. 6, 10 mm, connecting thread M6x5 dia. 7.5, 10 mm, connecting thread M8x14 						0901360060 P. Qty.: 200			0901375070 P. Qty.: 50
Anchor with inside thread Type I, galvanised steel dia. 7.5, 13 mm, inside thread M8/M10 									
Ring anchor Type O, galvanised steel dia. 6 incl. setting tool Eye outside dia.: 14 mm Eye inside dia.: 7 mm 				0901560040 P. Qty.: 200 ¹⁾					

¹⁾ Not covered by the approval.

²⁾ Anchoring base solid brick, solid sand-lime brick and perforated sand-lime brick, see Fire-Protection Test Report No. 3232/2228.

³⁾ The carbide masonry drills must comply with the specifications of the information leaflet of the "Deutsches Institut für Bautechnik" (German Institute for Building Technology) and the "Fachverband Werkzeugindustrie e.V." (Professional Association of the Tool Industry) on the "Characteristics, requirements and tests of masonry drills with carbide cutting bodies used for producing drilled holes of dowel anchors". The Würth hammer drills comply with the specifications of the information leaflet.

⁴⁾ Exception: W-SA Type ST 6x60 t_{fix} = 5 mm; 7.5x70 t_{fix} = 5 mm

Würth System Components
