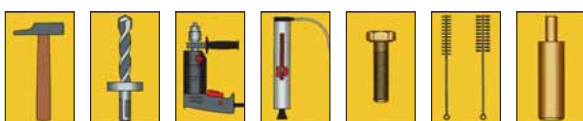


Performance data			6L	8
<b>Anchor diameter [mm]</b>				
<b>Multiple attachment of non-load-bearing systems in concrete</b> (for all load directions)	<b>F<sub>perm</sub> [kN] ≥ C20/25 and ≤ C50/60<sup>1)</sup></b>		1.4	1.4
<b>Perm. bending torque</b>	<b>M<sub>perm</sub> [Nm]</b>		4.4	10.3
<b>Perm. load under fire stress</b> (Technical Report TR 020) Axial and edge distances, see European Technical Approval ETA-07/0138	<b>R30; F<sub>perm</sub> [kN]<sup>2)</sup></b>		0.8	1.4
	<b>R60; F<sub>perm</sub> [kN]<sup>2)</sup> 0.5</b>		1.0	
	<b>R90; F<sub>perm</sub> [kN]<sup>2)</sup> 0.3</b>		0.6	
	<b>R120; F<sub>perm</sub> [kN]<sup>2)</sup> 0.2</b>		0.4	

Characteristic values			6L	8
<b>Minimum axial spacing</b>	<b>s<sub>cr</sub> [mm]</b>		200	200
<b>Minimum edge spacing</b>	<b>c<sub>cr</sub> [mm]</b>		150	150
<b>Minimum comp. thickness</b>	<b>h<sub>min</sub> [mm]</b>		80	80
<b>Effective anchoring depth</b>	<b>h<sub>ef</sub> [mm]</b>		36	36
<b>Nominal drill dia.<sup>3)</sup></b>	<b>d<sub>o</sub> [mm]</b>		6.0	8.0
<b>Drill cutting dia.<sup>3)</sup></b>	<b>d<sub>cut</sub> ≤ [mm]</b>		6.4	8.45
<b>Drilled hole depth</b>	<b>h<sub>1</sub> = [mm]</b>		42	43
<b>Through-hole in component to be connected</b>	<b>d<sub>f</sub> ≤ [mm]</b>		7 (only outer thread)	9 (only outer thread)

Anchor dimensions		Outer thread			Inner thread		
Anchor diameter [mm]		6L	8	6L	8		
<b>Outer or inner threads</b>		M6	M6	M8	M8	M8/M10	M12
<b>Total length</b>	<b>l [mm]</b>	45	51	51	52,5	61	56
<b>Length of connecting or inner thread</b>	<b>l<sub>th</sub> [mm]</b>	5	15	15	15	10/10	15
<b>Length of protrusion</b>	<b>l<sub>p</sub> [mm]</b>	5	15	15	15	25	20
<b>Designation of anchor</b>		W-SD 6L-5/5	W-SD 6L-15/15	W-SD 8-15/15	W-SD 6L-IG M8	W-SD 8-IG M8/M10	W-SD 8-IG M12
<b>W-SD Nail Anchor</b> Inner and outer threads <b>Galvanized steel</b>	<b>Art. No.</b>	<b>0905 700 104</b>	<b>0905 700 108</b>	<b>0905 700 110</b>	<b>0905 700 200</b>	<b>0905 700 210</b>	<b>0905 700 212</b>
<b>Packing unit</b>	<b>P. Qty.</b>	100	100	100	100	50	50
<b>Designation of collared bit</b>		SDS 2	SDS 2	SDS 8x43	SDS 2	SDS 8x43	SDS 8x43
<b>Collared bit with SDS</b>	<b>Art. No.</b>	<b>0905 700 002</b>	<b>0905 700 002</b>	<b>0905 700 009</b>	<b>0905 700 002</b>	<b>0905 700 009</b>	<b>0905 700 009</b>
<b>Drilling length up to collar</b>	<b>l<sub>dr</sub> [mm]</b>	42	42	43	42	43	43
<b>Packing unit</b>	<b>P. Qty.</b>	1	1	1	1	1	1
<b>Setting tool, mason's mallet</b>		Mason's mallet: EWA 6x5	Hammer drill: EWA 6x15-SM	Hammer drill: EWA 8x15-SM	Mason's mallet: SMu 8H	Hammer drill: Si 8-SM	Hammer drill: Si 12-SM
<b>Setting tool, hammer drill</b>		Hammer drill: EWA 6x5-SM			Hammer drill: SMu 8-SM		
<b>Setting tool</b> <b>Mason's mallet</b> <b>Setting tool</b> <b>Hammer Drill</b>	<b>Art. No.</b>	Mason's mallet: <b>0905 700 105</b> Hammer drill: <b>0905 700 191</b>	Hammer drill: <b>0905 700 192</b>	Hammer drill: <b>0905 700 193</b>	Mason's mallet: <b>0905 700 201</b> Hammer drill: <b>0905 700 291</b>	Hammer drill: <b>0905 700 292</b>	Hammer drill: <b>0905 700 293</b>
<b>Packing unit</b>	<b>P. Qty.</b>	1	1	1	1	1	1

## Würth System Components



- <sup>1)</sup> The approval takes account of the part-safety coefficients of the resistances and a part-safety coefficient of the effects of  $\gamma_f = 1.4$ . For the combination of tensile and transverse loads, for edge influence and anchor groups, please refer to the guideline for European Technical Approval (ETAG) Appendix C.
- <sup>2)</sup> The approval takes account of the recommended part-safety coefficients for the load-bearing capacity under fire stress of  $\gamma_{w,fi} = 1.0$  and the part-safety coefficient of the effects of  $\gamma_f = 1.0$ .
- <sup>3)</sup> 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". Würth hammer drills meet the stipulations of the code of practice.