

W-VD-IG/S, W-VD-IG/A4 Shear Anchor Internal Thread Cartridge System

21.3

Performance data					
Inner thread		M 8	M 10	M 12	M 16
Recommended tensile load Pressure zone (uncracked concrete C20/25)	$N_{rec.} [kN]$ = C20/25	7.0	11.1	16.1	25.0
	Recommended transverse load Pressure zone (uncracked concrete C20/25)	8.0	8.3	9.7	19.5
Recommended bending torque	$M_{rec.} [Nm]$	10.7	21.4	37.4	94.9
Characteristic values					
Minimum axial spacing	$s_{min} [mm]$	45	45	50	75
Axial spacing	$s_{cr,N} [mm]$	225	225	250	300
Minimum edge spacing	$c_{min} [mm]$	45	45	50	75
Edge spacing	$c_{cr,N} [mm]$	115	115	125	150
Minimum component thickness	$h_{min} [mm]$	140	140	150	170
Effective anchoring depth	$h_{ef} [mm]$	90	90	100	120
Nom. drill dia.	$d_0 [mm]$	14	16	18	25
Drill hole depth	$h_1 [mm]$	90	90	100	120
Through-hole in the component being connected	$d_f [mm]$	9	12	14	18
Torque during anchoring	$T_{inst} [Nm]$	10	20	40	80
Drill hole cleaning		M8 – M16: Blow-out 3 x			
Blow-out pump	Art. No. P. Qty. = 1	Blow-out pump: Art. No. 0903 990 001			
Anchor dimensions					
Inner thread		M 8 x 25	M 10 x 30	M 12 x 35	M 16 x 40
Total length	$l [mm]$	90	90	100	120
Outside diameter	$d [mm]$	12	14	16	22
Design., Int. Thread Sleeve		W-VD-IG/S M8	W-VD-IG/S M10	W-VD-IG/S M12	W-VD-IG/S M16
W-VD-IG/S Internal Thread Sleeve Galvanized steel	Art. No.	0905 410 080	0905 410 010	0905 410 012	0905 410 016
Packing unit	P. Qty.	10	10	10	10
Design., Int. Thread Sleeve	W-VD-IG/A4 M8	W-VD-IG/A4 M10	W-VD-IG/A4 M12		W-VD-IG/A4 M16
W-VD-IG/A4 Internal Thread Sleeve Stainless steel	Art. No.	0905 411 080	0905 411 010	0905 411 012	0905 411 016
Packing unit	P. Qty.	10	10	10	10
W-VD Shear anchor mortar cartridge	Art. No.	5915 012 095	0905 414	5915 016 095	0905 422
Packing unit	P. Qty.	10	10	10	10

Würth System Components

