

Performance Data						
Anchor diameter [mm]			6	8	8	10
Anchoring depth $h_{ef}$ [mm]			50	50	70	70
Recommended load <sup>1)</sup> (tensile, transverse and oblique pull at every angle)	Concrete	$F_{rec} [kN] \geq C20/25^{1)}$	0.4	0.4	0.5	0.5
	Solid brick Mz, EN 771-1, DIN 105 $\geq NF (\geq 240 \times 115 \times 71)$	$F_{rec} [kN] \geq Mz 36^{1)}$	0.2	0.3	0.4	0.3
	Solid sand-lime brick KS, EN 771-2, DIN 106 $\geq NF (\geq 240 \times 115 \times 71)$	$F_{rec} [kN] \geq KS 20^{1)}$	0.4	0.4	0.5	0.5
	Solid bricks and solid blocks of standard concrete EN 771-3, DIN 18153 $\geq NF (\geq 240 \times 115 \times 71)$	$F_{rec} [kN] \geq Vbn 12^{1)}$	0.4	0.4	0.6	0.6
	Solid bricks and solid blocks of lightweight concrete EN 771-3, DIN V 18152-100 $\geq NF (\geq 240 \times 115 \times 71)$	$F_{rec} [kN] \geq V 4^{1)}$	0.1	0.2	0.3	0.3
	Vertically perfor. brick HLz, EN 771-1, DIN 105 $\geq 2DF (\geq 240 \times 115 \times 113)$	$F_{rec} [kN] \geq Hlz 20^{1)}$	0.1	0.2	0.2	0.4
	Perfor. sand-lime brick KSL, EN 771-2, DIN 106 $\geq 2DF (\geq 240 \times 115 \times 113)$	$F_{rec} [kN] \geq KSL 6^{1)}$	0.1	0.2	0.4	0.4
	Hollow block of lightweight concrete 3K Hbl, EN 771-3, DIN 18151 $\geq 16DF (\geq 497 \times 237 \times 241)$	$F_{rec} [kN] \geq Hbl 6^{1)}$	0.1	0.2	0.1	0.3

Characteristic Values						
Concrete	Axial spacing	$s \geq [mm]$	100	100	100	100
	Edge spacing	$c \geq [mm]$	70	70	70	140
	Min. comp. thickness	$h_{min} \geq [mm]$	100	100	100	100
Masonry	Axial spacing	$s \geq [mm]$	250	250	250	250
	Edge spacing	$c \geq [mm]$	100	100	100	100
	Min. comp. thickness	$h_{min} \geq [mm]$	115	115	115	115
Drill nominal dia. <sup>2)</sup>		$d_0 [mm]$	6	8	8	10
Drilled hole depth		$h_0 \geq [mm]$	60	60	80	80
Anchoring depth <sup>3)</sup>		$h_{nom} \geq [mm]$	50	50	70	70
Through-hole in component being connected		$d_t \leq [mm]$	6.5	8.5	8.5	10.5

Anchor Dimensions								
Anchor diameter [mm]			6	8			10	
Total length	$l [mm]$		60	60	80	100	120	100
Max. mounting height	$t_{fix} [mm]$		10	10	10	30	50	30
W-RD Plastic Frame-Fixing Anchor without collar without screw	Art. No.		<b>0912 806 001</b>	<b>0912 808 002</b>	<b>0912 808 003</b>	<b>0912 808 004</b>	<b>0912 808 005</b>	<b>0912 810 802</b>
Packing unit	P. Qty.		100	100	200	150	100	100
W-RD Plastic Frame-Fixing Anchor with collar without screw	Art. No.		<b>0912 806 101</b>	<b>0912 808 102</b>	<b>0912 808 103</b>	<b>0912 808 104</b>	<b>0912 808 105</b>	–
Packing unit	P. Qty.		100	100	200	150	100	–
Screw diameter Drive			5 x 70 Z2	6 x 70 Z3	6 x 90 Z3	6 x 110 Z3	6 x 130 Z3	7 x 110 Z3
Anchor screw with countersunk head DIN 97, with Phillips head, galvanized steel	Art. No.		<b>0157 05 70</b>	<b>0157 06 70</b>	<b>0157 06 90</b>	<b>0157 06 110</b>	<b>0157 06 130</b>	<b>0157 07 110</b>
Packing unit	P. Qty.		200	100				

**Würth System Components**

<sup>1)</sup> The recommended loads have been determined with the anchor screw with countersunk head according to DIN 97 (Art. No. 0157 0. ...).

<sup>2)</sup> If the drilled hole is produced in perforated bricks with an impacting and hammering, then the load-bearing capacity is reduced.

<sup>3)</sup> The anchor is to be set in such a way that the spreading part is anchored in the web of the stone.