Performance Data

Anchor diameter [mm]			4	5	6	8	10	12	14	16	20
Recommended load [1]	Concrete ≥ B25; C20/25	$F_{rec.}$ [kN]	0.15	0.25	0.38	0.6	0.9	1.4	1.9	2.3	3.0
	Solid brick ≥ Mz12		0.14	0.25	0.3	0.5	–	–	–	–	–
	Solid sand-lime brick ≥ KS12		0.14	0.25	0.3	0.5	–	–	–	–	–
	Aerated concrete PP4, PB4		–	0.03	0.06	0.1	0.15	0.2	–	–	–

Characteristic Values

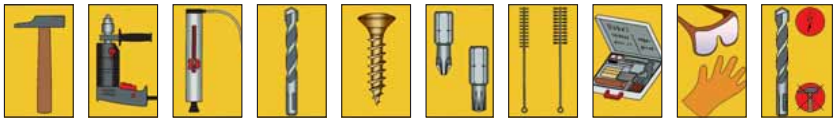
		4	5	6	8	10	12	14	16	20
Axial spacing	a ≥ [mm]	40	50	60	80	100	120	140	160	200
Edge clearance	a_r ≥ [mm]	20	25	30	40	50	60	70	80	100
Drill hole depth	t ≥ [mm]	30	35	40	50	65	75	85	95	105
Setting depth	h_S ≥ [mm]	20	25	30	40	50	60	75	80	90
Nominal drill dia.	d_{drl} [mm]	4	5	6	8	10	12	14	16	20
Wood screw dia.	$d_{scr.wood}$ [mm]	2–3	2.5–4	3.5–5	4.5–6	6–8	8–10	10–12	12–14	16
Particle board screw dia.	$d_{scr.particle}$ [mm]	3.5	4.5	5	6	–	–	–	–	–
Screw length	l_S [mm]	Attached part thickness (+ plaster/insulation thickness) + anchor length + screw dia.								

Anchor Dimensions

Anchor diameter		4	5	6	8		10	12	14	16	20
Total length	l [mm]	20	25	30	40		50	60	75	80	90
Max. mounting height	d_a [mm]	Depends on screw length									
Designation Nylon Anchor		4 x 20	5 x 25	6 x 30	8 x 40	8 x 40/M6	10 x 50	12 x 60	14 x 75	16 x 80	20 x 90
Art. No. Nylon Anchor		**0903 4 20**	**0903 5 25***	**0903 6 30***	**0903 8 40**		**0903 10 50**	**0903 12 60**	**0903 14 75**	**0903 16 80**	**0903 20 90**
Nylon anchor with M6 metric thread, white (for screwing in threaded rods, screws, bolts) **Art. No.**		–	–	–	–	**0903 8 406** P. Qty. = 100	–	–	–	–	–
Packing unit	**P. Qty.**										
in ORSY® cartons		200	100/1000	100/500	100/300		50/200	25	20	10	5
in ORSY® cartons + outer carton bulk packed... pieces each)		–	5400/100 ea. 8000/1000 ea.	4000/500 ea. 4800/100 ea.	2400/300 ea. 2300/100 ea.		1200/50 ea. 1600/200 ea.	600/25 ea.	480/20 ea.	–	–

* ORSY

Würth System Components



[1]) These values apply when wood screws with maximum screw diameter are used