

TU Plug Nylon/Polypropylene Plug

The TU nylon plug is a versatile fixing solution for light applications in solid and hollow building materials.



Features

Material

- Nylon

Benefits

- Suitable for most light fixing applications
- Anti-rotation wings
- Maximum expansion

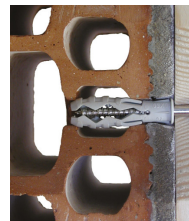
Applications

Applications

- Wooden battens
- Light internal furnishings
- Signs

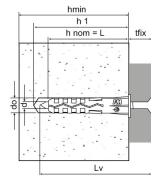
Suitable for

- Non-cracked concrete
- Solid brick
- Honeycomb brick (partially suitable)
- Cell like clay brick (partially suitable)
- Lightweight honeycomb brick (partially suitable)
- Hollow dense aggregate block (partially suitable)
- Hollow light aggregate block (partially suitable)
- Aerated concrete
- Solid stone



TU Plug Nylon/Polypropylene Plug

Technical Data



Product Dimension - Nylon plug - Rimmed Plug

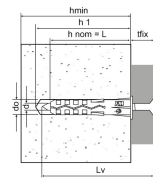
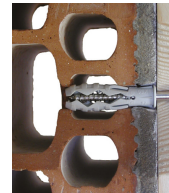
References	Product Reference	Hole diameter x anchor length [d _ø xL] [mm]	Min. hole depth [h ₁] [mm]	Nominal embedment depth [h _{nom}] [mm]	Min. support thickness [h _{min}] [mm]	Min. screw diameter [d] [mm]	Max. screw diameter [d] [mm]	Qty per box	Qty per outer box
6000100402000	TU	Ø4x20*	30	20	40	2	3	300	9600
6000100502500		Ø5x25	35	25	50	2.5	4	100	3200
6000100603000		Ø6x30	40	30	60	3.5	5	100	3200
6000100703500		Ø7x35*	45	35	80	4	5.5	150	2400
6000100804000		Ø8x40	55	40	80	4.5	6	100	1600
6000101005000		Ø10x50	65	50	100	6	8	50	800
6000101006000		Ø10x60	75	60	120	6	8	25	400
6000101206000		Ø12x60*	75	60	120	8	10	25	400
6000101408000		Ø14x80*	100	80	160	10	12	20	160
6000101608000		Ø16x80*	100	80	160	12	14	15	120
600010040200C		Ø4x20*	30	20	40	2	3	1000	20000
600010050250C		Ø5x25	35	25	50	2.5	4	1000	20000
600010060300C		Ø6x30	40	30	60	3.5	5	1000	10000
600010080400C		Ø8x40	55	40	80	4.5	6	1000	5000
600010100500C		Ø10x50	65	50	100	6	8	500	2500
600010120600C		Ø12x60*	75	60	120	8	10	250	1500
6000100402030		Ø4x20*	30	20	40	2	3	-	30000
6000100502530		Ø5x25	35	25	50	2.5	4	-	15000
6000100603030		Ø6x30	40	30	60	3.5	5	-	10000
6000100703530		Ø7x35*	45	35	80	4	5.5	-	7000
6000100804030		Ø8x40	55	40	80	4.5	6	-	4000
6000101005030		Ø10x50	65	50	100	6	8	-	2000
6000101006030		Ø10x60	75	60	120	6	8	-	1800
6000101206030		Ø12x60*	75	60	120	8	10	-	1200
6000101408030		Ø14x80*	100	80	160	10	12	-	600
6000101608030		Ø16x80*	100	80	160	12	14	-	500

* Previous version geometry

Technical data sheet



TU Plug Nylon/Polypropylene Plug



Product Dimension - Nylon plug - Rimless Plug

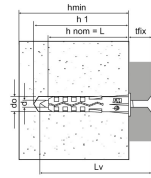
References	Product Reference	Hole diameter x anchor length [d _o xL] [mm]	Min. hole depth [h ₁] [mm]	Nominal embedment depth [h _{nom}] [mm]	Min. support thickness [h _{min}] [mm]	Min. screw diameter [d] [mm]	Max. screw diameter [d] [mm]	Qty per box	Qty per outer box
6010100402000	TU	Ø4x20*	30	20	40	2	3	300	9600
6010100502500		Ø5x25	35	25	50	2.5	4	100	3200
6010100603000		Ø6x30	40	30	60	3.5	5	100	3200
6010100703500		Ø7x35*	45	35	80	4	5.5	150	2400
6010100804000		Ø8x40	55	40	80	4.5	6	100	1600
6010101005000		Ø10x50	65	50	100	6	8	50	800
6010101006000		Ø10x60	75	60	120	6	8	25	400
6010101206000		Ø12x60*	75	60	120	8	10	25	400
6010101408000		Ø14x80*	100	80	160	10	12	20	160
6010101608000		Ø16x80*	100	80	160	12	14	15	120
601010050250C		Ø5x25	35	25	50	2.5	4	1000	20000
601010060300C		Ø6x30	40	30	60	3.5	5	1000	10000
601010080400C		Ø8x40	55	40	80	4.5	6	1000	5000
601010100500C		Ø10x50	65	50	100	6	8	500	2500
6010100402030		Ø4x20*	30	20	40	2	3	-	30000
6010100502530		Ø5x25	35	25	50	2.5	4	-	15000
6010100603030		Ø6x30	40	30	60	3.5	5	-	10000
6010100703530		Ø7x35*	45	35	80	4	5.5	-	7000
6010100804030		Ø8x40	55	40	80	4.5	6	-	4000
6010101005030		Ø10x50	65	50	100	6	8	-	2000
6010101006030	Ø10x60	75	60	120	6	8	-	1800	
6010101206030	Ø12x60*	75	60	120	8	10	-	1200	
6010101408030	Ø14x80*	100	80	160	10	12	-	600	
6010101608030	Ø16x80*	100	80	160	12	14	-	500	

* Previous version geometry

Technical data sheet



TU Plug Nylon/Polypropylene Plug



Product Dimension - Polypropylene Plug - Rimmed plug

References	Product Reference	Hole diameter x anchor length [d _o xL] [mm]	Min. hole depth [h ₁] [mm]	Nominal embedment depth [h _{nom}] [mm]	Min. support thickness [h _{min}] [mm]	Min. screw diameter [d] [mm]	Max. screw diameter [d] [mm]	Qty per box	Qty per outer box	
600000603000	TU	Ø6x30	40	30	60	3.5	5	100	3200	
600000804000		Ø8x40	55	40	80	4.5	6	100	1600	
6000001005000		Ø10x50	65	50	100	6	8	50	800	
6000001006000		Ø10x60	75	60	120	6	8	25	400	
6000001206000		Ø12x60*	75	60	120	8	10	25	400	
6000001408000		Ø14x80*	100	80	160	10	12	20	160	
600000603030		Ø6x30	40	30	60	60	3.5	5	-	10000
600000804030		Ø8x40	55	40	80	80	4.5	6	-	4000
6000001006030		Ø10x60	75	60	120	120	6	8	-	1800
6000001206030		Ø12x60*	75	60	120	120	8	10	-	1200

* Previous version geometry

Product Dimension - Polypropylene Plug - Rimless plug

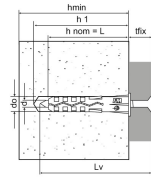
References	Product Reference	Hole diameter x anchor length [d _o xL] [mm]	Qty per box	Qty per outer box
6010000502500	TU	Ø5x25	100	3200
6010000603000	TU	Ø6x30	100	3200
6010000804000	TU	Ø8x40	100	1600
6010001005000	TU	Ø10x50	50	800
601000080400C	TU	Ø8x40	1000	5000
601000100500C	TU	Ø10x50	500	2500
6010000502530	TU	Ø5x25	-	15000
6010000603030	TU	Ø6x30	-	10000
6010000804030	TU	Ø8x40	-	4000
6010001005030	TU	Ø10x50	-	2000
6010001006030	TU	Ø10x60	-	1800
6010001206030	TU	Ø12x60*	-	1200
6010001408030	TU	Ø14x80*	-	600

* Previous version geometry

Technical data sheet



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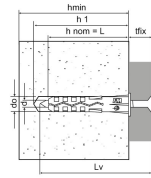


Recommended loads - TU plug with wood thread screw

References	Product Reference	Hole diameter x anchor length [d _o xL] [mm]	Recommended capacity											
			TU plug with wood thread screw											
			Screw diameter	Tension - N _{rec} [kN]					Shear - V _{rec} [kN]					Characteristic edge distance [ccr,N] [mm]
				Concrete C20/25	Solid brick	Aerated concrete G4	Hollow clay brick double UNI	Cell like clay brick	Concrete C20/25	Solid brick	Aerated concrete G4	Hollow clay brick double UNI	Cell like clay brick	
6000100402000	TU	Ø4x20*	-	-	-	-	-	-	-	-	-	-	-	-
6000100502500	TU	Ø5x25	3.5	0.33	0.33	0.11	0.21	0.14	0.56	0.42	0.11	0.28	0.21	45
6000100603000	TU	Ø6x30	4	0.39	0.39	0.11	0.36	0.22	0.7	0.7	0.21	0.49	0.28	55
6000100703500	TU	Ø7x35*	5	0.54	0.51	0.18	0.39	0.35	0.7	0.7	0.21	0.5	0.42	60
6000100804000	TU	Ø8x40	4.5	0.63	0.63	0.25	0.42	0.35	0.84	0.84	0.39	0.56	0.42	70
6000101005000	TU	Ø10x50	6	-	-	-	-	-	-	-	-	-	-	-
6000101006000	TU	Ø10x60	-	-	-	-	-	-	-	-	-	-	-	-
6000101206000	TU	Ø12x60*	8	1.68	1.54	0.49	0.91	0.63	2.1	1.96	0.7	1.4	0.84	105
6000101408000	TU	Ø14x80*	10	2.37	-	0.56	-	-	3.5	-	0.84	-	-	140
6000101608000	TU	Ø16x80*	12	3.64	-	-	-	-	4.2	-	-	-	-	-
6010100402000	TU	Ø4x20*	-	-	-	-	-	-	-	-	-	-	-	-
6010100502500	TU	Ø5x25	3.5	0.33	0.33	0.11	0.21	0.14	0.56	0.42	0.11	0.28	0.21	45
6010100603000	TU	Ø6x30	4	0.39	0.39	0.11	0.36	0.22	0.7	0.7	0.21	0.49	0.28	55
6010100703500	TU	Ø7x35*	5	0.54	0.51	0.18	0.39	0.35	0.7	0.7	0.21	0.5	0.42	60
6010100804000	TU	Ø8x40	4.5	0.63	0.63	0.25	0.42	0.35	0.84	0.84	0.39	0.56	0.42	70
6010101005000	TU	Ø10x50	6	1.18	1.12	0.3	0.56	0.49	1.4	1.4	0.53	0.98	0.63	90
6010101006000	TU	Ø10x60	-	-	-	-	-	-	-	-	-	-	-	-
6010101206000	TU	Ø12x60*	8	1.68	1.54	0.49	0.91	0.63	2.1	1.96	0.7	1.4	0.84	105
6010101408000	TU	Ø14x80*	10	2.37	-	0.56	-	-	3.5	-	0.84	-	-	140
6010101608000	TU	Ø16x80*	12	3.64	-	-	-	-	4.2	-	-	-	-	-
6000000603000	TU	Ø6x30	4	0.39	0.39	0.11	0.36	0.22	0.7	0.7	0.21	0.49	0.28	55
6000000804000	TU	Ø8x40	4.5	0.63	0.63	0.25	0.42	0.35	0.84	0.84	0.39	0.56	0.42	70
6000001005000	TU	Ø10x50	6	1.18	1.12	0.3	0.56	0.49	1.4	1.4	0.53	0.98	0.63	90
6000001006000	TU	Ø10x60	-	-	-	-	-	-	-	-	-	-	-	-
6000001206000	TU	Ø12x60*	8	1.68	1.54	0.49	0.91	0.63	2.1	1.96	0.7	1.4	0.84	105
6000001408000	TU	Ø14x80*	10	2.37	-	0.56	-	-	3.5	-	0.84	-	-	140

*These values are for guidance only

TU Plug Nylon/Polypropylene Plug



Recommended loads - TU plug with chipboard thread screw

References	Product Reference	Hole diameter x anchor length [d _o xL] [mm]	Recommended capacity											Characteristic edge distance [c _{cr,N}] [mm]
			TU plug with chipboard thread screw											
			Screw diameter	Tension - N _{rec} [kN]					Shear - V _{rec} [kN]					
				Concrete C20/25	Solid brick	Aerated concrete G4	Hollow clay brick double UNI	Cell like clay brick	Concrete C20/25	Solid brick	Aerated concrete G4	Hollow clay brick double UNI	Cell like clay brick	
6000100402000	TU	Ø4x20*	-	-	-	-	-	-	-	-	-	-	-	-
6000100502500	TU	Ø5x25	3.5	0.25	0.25	0.11	0.17	0.11	0.42	0.28	0.17	0.21	0.14	40
6000100603000	TU	Ø6x30	4	0.35	0.35	0.17	0.28	0.21	0.56	0.45	0.22	0.42	0.28	55
6000100703500	TU	Ø7x35*	5	0.42	0.51	0.14	0.39	0.28	0.7	0.63	0.18	0.49	0.35	60
6000100804000	TU	Ø8x40	5	0.7	0.63	0.22	0.42	0.31	0.91	0.98	0.31	0.56	0.35	60
6000101005000	TU	Ø10x50	6	0.7	0.7	0.27	0.48	0.42	1.29	1.26	0.49	0.7	0.56	75
6000101006000	TU	Ø10x60	-	-	-	-	-	-	-	-	-	-	-	-
6000101206000	TU	Ø12x60*	8	1.4	1.01	0.42	0.98	0.63	1.54	1.54	0.7	0.84	0.7	90
6000101408000	TU	Ø14x80*	-	-	-	-	-	-	-	-	-	-	-	-
6000101608000	TU	Ø16x80*	-	-	-	-	-	-	-	-	-	-	-	-
6010100402000	TU	Ø4x20*	-	-	-	-	-	-	-	-	-	-	-	-
6010100502500	TU	Ø5x25	3.5	0.25	0.25	0.11	0.17	0.11	0.42	0.28	0.17	0.21	0.14	40
6010100603000	TU	Ø6x30	4	0.35	0.35	0.17	0.28	0.21	0.56	0.45	0.22	0.42	0.28	55
6010100703500	TU	Ø7x35*	5	0.42	0.51	0.14	0.39	0.28	0.7	0.63	0.18	0.49	0.35	60
6010100804000	TU	Ø8x40	5	0.7	0.63	0.22	0.42	0.31	0.91	0.98	0.31	0.56	0.35	60
6010101005000	TU	Ø10x50	6	0.7	0.7	0.27	0.48	0.42	1.29	1.26	0.49	0.7	0.56	75
6010101006000	TU	Ø10x60	-	-	-	-	-	-	-	-	-	-	-	-
6010101206000	TU	Ø12x60*	8	1.4	1.01	0.42	0.98	0.63	1.54	1.54	0.7	0.84	0.7	90
6010101408000	TU	Ø14x80*	-	-	-	-	-	-	-	-	-	-	-	-
6010101608000	TU	Ø16x80*	-	-	-	-	-	-	-	-	-	-	-	-
6000000603000	TU	Ø6x30	4	0.35	0.35	0.17	0.28	0.21	0.56	0.45	0.22	0.42	0.28	55
6000000804000	TU	Ø8x40	5	0.7	0.63	0.22	0.42	0.31	0.91	0.98	0.31	0.56	0.35	60
6000001005000	TU	Ø10x50	6	0.7	0.7	0.27	0.48	0.42	1.29	1.26	0.49	0.7	0.56	75
6000001006000	TU	Ø10x60	-	-	-	-	-	-	-	-	-	-	-	-
6000001206000	TU	Ø12x60*	8	1.4	1.01	0.42	0.98	0.63	1.54	1.54	0.7	0.84	0.7	90
6000001408000	TU	Ø14x80*	-	-	-	-	-	-	-	-	-	-	-	-

*These values are for guidance only

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Installation

