



TECHNICAL SHEET

For detailed use of the data on the technical sheet consult the FIXING TECHNOLOGY

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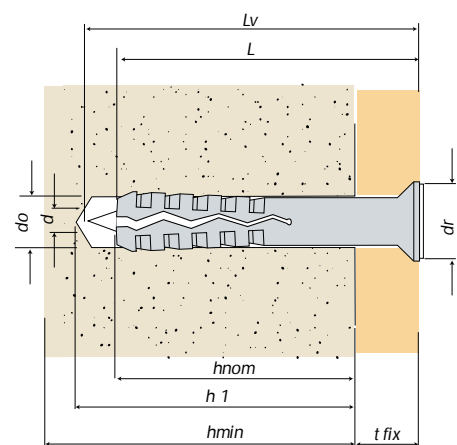
- **FAST APPLICATION:** the PREASSEMBLED nylon plug is set by hammering the nail screw into the plug creating an expansion force inside the base material.
- **NO PRE-EXPANSION:** due to the internal shape of the plug; a mechanism prevents any pre-expansion while setting the fixing.
- **THROUGH FIXING:** the countersunk plug collar helps to pull the fixing flush to the surface of the profile being fixed while the internal countersunk moulding of the plug accepts the head of the screw leaving a neat finish.
- **REMOVABLE FIXING:** due to the shape of the nail screw which allows the fixing to be dismantled.
- **WIDE RANGE:** the plug is available with yellow passivated or stainless steel nail screw, plug is available in grey colour RAL 9018. The product is also available with nail screw and external metric thread.

Countersunk Plug with pozidrive nail screw

size do x L	t fix	h1	hnom	hmin	d	Lv	dr	Code Zinc plated screw	Code Stainless steel screw
Ø5X30	5	35	25	50	3.4	35	8,5	62200d05030	62203x05030
Ø5X40	15	35	25	50	3.4	45	8,5	62200d05040	62203x05040
Ø5X50	25	35	25	50	3.4	55	8,5	62200d05050	62203x05050
Ø6X40	10	40	30	60	3.8	45	10	62200d06040	62203x06040
Ø6X50	20	40	30	60	3.8	55	10	62200d06050	62203x06050
Ø6X60	30	40	30	60	3.8	65	10	62200d06060	62203x06060
Ø6X80	50	40	30	60	3.8	85	10	62200d06080	62203x06080
Ø8X60	20	50	40	80	4.8	65	12	62200d08060	
Ø8X80	40	50	40	80	4.8	85	12	62200d08080	
Ø8X100	60	50	40	80	4.8	105	12	62200d08100	
Ø8X120	80	50	40	80	4.8	125	12	62200d08120	
Ø10X80	30	60	50	100	7	85	14	62200d10080	
Ø10X100	50	60	50	100	7	105	14	62200d10100	
Ø10X135	85	60	50	100	7	140	14	62200d10135	
Ø10X160	110	60	50	100	7	165	14	62200d10160	

Countersunk Plug with double threaded screw

size do x L	h1	hnom	hmin	d	Lv	dr	external thread	Code
Ø6X40	50	40	100	3.8	45	10	M6	62202d06040
Ø6X50	60	50	100	3.8	55	10	M6	62202d06050
Ø6X40	50	40	100	3.8	45	10	M7	62204d06040
Ø6X50	60	50	100	3.8	55	10	M7	62204d06050
Ø6X60	70	60	100	3.8	65	10	M7	62204d06060



- concrete
- hollow core concrete
- solid brick
- honeycomb brick
- cell like clay brick
- perforated brick
- light weight honeycomb brick
- dense aggregate block
- light aggregate block
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- plasterboard
- panels & sheets
- solid stone
- wood

- t fix = fixture thickness (mm)
- do = hole diameter (mm)
- dr = washer diameter (mm)
- h1 = min hole depth (mm)
- hnom = nominal embedment depth (mm)
- hmin = min support thickness (mm)
- Lv = screw length (mm)
- d = screw diameter (mm)
- L = anchor length (mm)



APPLICATIONS

TSS is a light duty preassembled through fixing suitable for repetitive jobs where speed of installation is important such as:- wooden battens, electrical components and trunking, plumbing fittings, door and window frames, skirting boards, wall plates, brickwork ties and signs.

The A2 stainless steel screw version is recommended for external fixings or where there are zones of high humidity.

The double threaded version is particularly suitable for fixing pipe collars, stand off fixings and elements to be clamped with nuts.

RECOMMENDED LOADS

(important: for detailed anchor selection using this table consult the chapter "Fixing Technology")

Base material type			Plug			
			Ø 5	Ø 6	Ø 8	Ø10
Concrete C20/25 (1)	Tensile load Nrec	kN (3)	0.15	0.18	0.38	0.40
	Shear load Vrec	kN	0.40	0.42	0.80	1.10
Solid brick (1)	Tensile load Nrec	kN	0.13	0.24	0.30	0.32
	Shear load Vrec	kN	0.40	0.42	0.80	1.10
Critical distance from the edge Ccr (2)		mm	50	60	70	90
Critical distance between anchors Scr (2)		mm	40	50	60	75
Bending moment Mrec		Nm	0.80	1.00	2.10	3.50

(1) Base materials without plaster.

(2) Indicative data.

(1) 1 kN=100 Kgf

