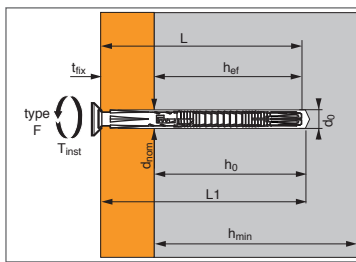
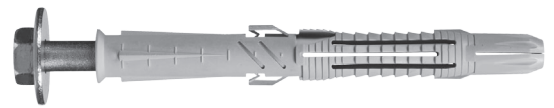


# SPIT PROLONG



## APPLICATION

- Roofing clamps
- Sanitary equipment
- Fixing wall plates
- Timbers

## MATERIAL

- **Body** : polyamid 6.6 (Ø10) / polyamid 6 (≥ Ø12) (halogene free)
- **Screw** : grade 6.8 (Ø10) and grade 5.8 (≥Ø12), zinc coated steel 5µm
- **Head type** :



**F** : Countersunk head TORX 40 (Ø10) and TORX 50 (Ø14)

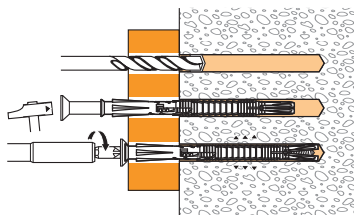


**H** : Hexagonal head + large washer  
Ø10-Sw = 13mm  
Ø12-Sw = 17mm  
Ø16-Sw = 19mm



**HS** : Hexagonal head + integrated washer  
Ø14-Sw = 17mm  
TORX 50

## INSTALLATION DATA



## Spacing data

### IN CONCRETE AND SOLID MASONRIES

SPIT PROLONG Minimum distance between anchors and from edges (mm)

	Scr,N	CCR,N	CCR,V	S <sub>mini</sub>	C <sub>mini</sub>
Ø 10	100	50	70	40	30
Ø12	120	60	90	50	50
Ø14	120	60	105	50	50
Ø16	120	60	105	65	75

### IN HOLLOW MASONRIES

The anchor must be installed at the minimum distance:  
- 250mm from another anchor,  
- 100mm from one edge.

## Universal Frame Fixing

### Technical data

SPIT PROLONG	Anchor depth (mm)	Maximum thick of part to be fixed (mm)	Anchor OD (mm)	Minimum thick of base material (mm)	Ø drill bit (mm)	Drilling depth (mm)	Min. drill depth through part to be fixed (mm)	Total sleeve lenght (mm)	Tightening torque (Nm)	Code		
										Head type F	Head type H	Head type HS
	$h_{ef}$	$t_{fix}$	$d_{nom}$	$h_{min}$	$d_o$	$h_o$	L1	L	T <sub>inst</sub>			
10x80		10					95	80		566653	566668	
10x100		30					115	100		566654	566669	
10x115		45					130	115		566655	566670	
10x145	70	75	10	140	10	85	160	145	13	566656	566671	
10x160		90					175	160		566657	566672	
10x185		115					200	185		566658	566673	
10x 210		140					225	210		566659	566674	
12x120		50					140	120			566675	
12x145		75					165	145			566676	
12x165	70	95	12	140	12	90	185	165	25		566677	
12x185		115					205	185			566678	
12x210		140					230	210			566679	
14x120		50					140	120		566660		566685
14x145		75					165	145		566661		566686
14x165	70	95	14	140	14	90	185	165	25	566662		566687
14x185		115					205	185		566663		566688
14x210		140					230	210		566664		566689
16x145		55					170	145			566680	
16x165		75					190	165			566681	
16x185	90	95	16	180	16	115	210	185	40		566682	
16x200		110					225	200			566683	
16x240		150					265	240			566428	
16x270		180					295	270			566684	

## Ultimate loads (N<sub>Ru,m</sub>, V<sub>Ru,m</sub>)

### TENSILE IN kN

### SHEAR IN kN

Base material	Anchor size	TENSILE IN kN				SHEAR IN kN				
		Ø10	Ø12	Ø14	Ø16	Ø10	Ø12	Ø14	Ø16	
<b>Concrete (C20/25)</b>										
	N <sub>Ru,m</sub>	7,6	7,8	8,0	11,0	V <sub>Ru,m</sub>	9,5	12,5	14,2	27,0
<b>Solid bricks (f<sub>c</sub> = 30 N/mm<sup>2</sup>)</b>										
	N <sub>Ru,m</sub>	7,2	7,4	7,5	10,4	V <sub>Ru,m</sub>	8,5	11,2	12,8	24,3
<b>Hollow concrete blocks type B40 (not rendered)</b>										
	N <sub>Ru,m</sub>	2,1	2,2	3,0	4,2	V <sub>Ru,m</sub> *	3,0	3,4	4,0	4,8
<b>Hollow clay bricks not rendered (BIOMUR R37)</b>										
	N <sub>Ru,m</sub>	0,65	1,2	1,2	1,2	V <sub>Ru,m</sub>	3,0	3,5	4,5	5,1
<b>Aerated concrete</b>										
	N <sub>Ru,m</sub>	1,4	1,9	2,2	2,6	V <sub>Ru,m</sub>	-	-	-	-

\*Value for application on internal partition

## Design loads (N<sub>Rd</sub>, V<sub>Rd</sub>) and Recommended loads (N<sub>Rec</sub>, V<sub>Rec</sub>) for one anchor without edge or spacing influence

### TENSILE IN kN

### SHEAR IN kN

Base material	Anchor size	TENSILE IN kN				SHEAR IN kN				
		Ø10	Ø12	Ø14	Ø16	Ø10	Ø12	Ø14	Ø16	
<b>Concrete (C20/25)</b>										
	N <sub>Rd</sub>	2,17	2,23	2,28	3,14	V <sub>Rd</sub>	2,7	3,57	4,05	7,71
	N <sub>Rec</sub>	1,52	1,56	1,60	2,20	V <sub>Rec</sub>	1,9	2,50	2,84	5,40
<b>Solid bricks (f<sub>c</sub> = 30 N/mm<sup>2</sup>)</b>										
	N <sub>Rd</sub>	2,06	2,11	2,14	2,97	V <sub>Rd</sub>	2,42	3,20	3,65	6,94
	N <sub>Rec</sub>	1,44	1,48	1,50	2,08	V <sub>Rec</sub>	1,7	2,24	2,56	4,86
<b>Hollow concrete blocks type B40 (not rendered)</b>										
	N <sub>Rd</sub>	0,6	0,63	0,85	1,20	V <sub>Rd</sub> *	0,85	0,97	1,14	1,37
	N <sub>Rec</sub>	0,42	0,44	0,60	0,84	V <sub>Rec</sub> *	0,6	0,70	0,80	0,96
<b>Hollow clay bricks not rendered (BIOMUR R37)</b>										
	N <sub>Rd</sub>	0,18	0,30	0,30	0,30	V <sub>Rd</sub>	0,85	1,00	1,28	1,45
	N <sub>Rec</sub>	0,13	0,24	0,24	0,24	V <sub>Rec</sub>	0,6	0,70	0,90	1,02
<b>Aerated concrete</b>										
	N <sub>Rd</sub>	0,40	0,54	0,63	0,74	V <sub>Rd</sub>	-	-	-	-
	N <sub>Rec</sub>	0,28	0,38	0,44	0,52	V <sub>Rec</sub>	-	-	-	-

\*Value for application on internal partition