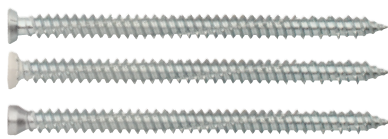


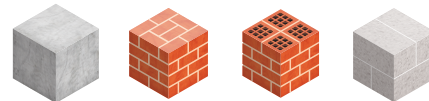
DIRECT FIXING SCREW

BETASPEED



COUNTERSUNK HEAD
BTS
WHITE PAINTED HEAD
VFD-F
WITHOUT HEAD
VFD-R

CONCRETE
SOLID BRICK
HOLLOW BRICK
AERATED CONCRETE



FEATURES

Direct fixing system allows screwing for light duties they allow a direct mounting, fast and sure of all types of window frames (wood, metal, PVC)

Materials:

electrogalvanised steel
(exists in A4 stainless steel version: code A4-BTS)

Support materials:

Concrete, solid and semi-solid masonry, aerated concrete dense natural stone (in that case in situ trials are recommended, use setting data for solid masonry)

Versions:

Countersunk head (BTS)
White painted head (VFD-F)
Version without head (VFD-R)

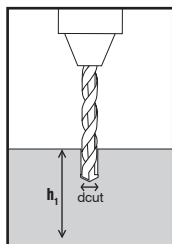
Applications:

- Fixing of frames and window frames
 - countersunk head is recommended for aluminium or PVC window frames
 - The version without head is recommended for wooden window frames (invisible)
- Fixing of joists...

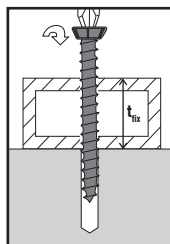
Advantages:

- Fast and easy setting without plug thanks to special thread
- No constraints in support materials when setting (reduced edge distance and spacing)
- Removable
- Torx socket guarantees excellent torque transmission - during installation
- Very wide range: 40-400mm

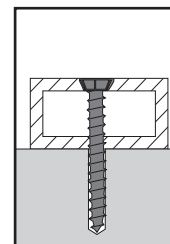
INSTALLATION



Drill according to the **dcut** diameter and depth **h₁**, clean the hole



Insert the **BETASPEED** screw through the material to be fixed



Screw until it is flush with the part to be fixed

INSTALLATION DATAS

h_{ef} : anchorage depth
h₁ : drill depth
t_{fix} : fixing part thickness

Ø	L mm	thread type	Ø perçage mm	Concrete			Solid Brick			Hollow Brick			Aerated Concrete			References		
				h ₁ mini	h _{ef} mini	t _{fix} maxi	h ₁ mini	h _{ef} mini	t _{fix} maxi	h ₁ mini	h _{ef} mini	t _{fix} maxi	h ₁ mini	h _{ef} mini	t _{fix} maxi	CK head	White head	Without head
Ø 7,5	42	full	6	40	30	12	50	40	2	-	-	-	-	-	VFD75040F	-		
	62	full	6	40	30	32	50	40	22	-	-	-	BTS75062F	VFD75060F	VFD75062R			
	72	full	6	40	30	42	50	40	32	70	60	12	BTS75072F	VFD75072F	VFD75072R			
	82	full	6	40	30	52	50	40	42	70	60	22	BTS75082F	VFD75082F	VFD75082R			
	92	full	6	40	30	62	50	40	52	70	60	32	BTS75092F	VFD75092F	VFD75092R			
	102	full	6	40	30	72	50	40	62	70	60	42	BTS75102F	VFD75102F	VFD75102R			
	112	full	6	40	30	82	50	40	72	70	60	52	BTS75112F	VFD75112F	VFD75112R			
	122	full	6	40	30	92	50	40	82	70	60	62	BTS75122F	VFD75122F	VFD75122R			
	132	full	6	40	30	102	50	40	92	70	60	72	BTS75132F	VFD75132F	VFD75132R			
	152	full	6	40	30	122	50	40	112	70	60	92	BTS75152F	VFD75152F	VFD75152R			
	182	full	6	40	30	152	50	40	142	70	60	122	BTS75182F	VFD75182F	VFD75182R			
	212	full	6	40	30	182	50	40	172	70	60	152	BTS75212F	-	-			
	252	full	6	40	30	222	50	40	212	70	60	192	BTS75252F	-	VFD75252R			
	302	full	6	40	30	272	50	40	262	70	60	242	BTS75302F	-	VFD75302R			
	372	partial	6	40	30	342	50	40	332	70	60	312	BTS75372F	-	-			
402	partial	6	40	30	372	50	40	362	70	60	342	BTS75402F	-	-				

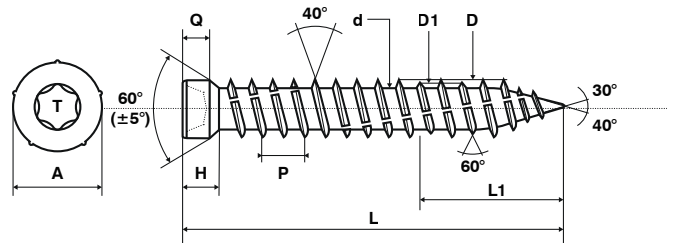
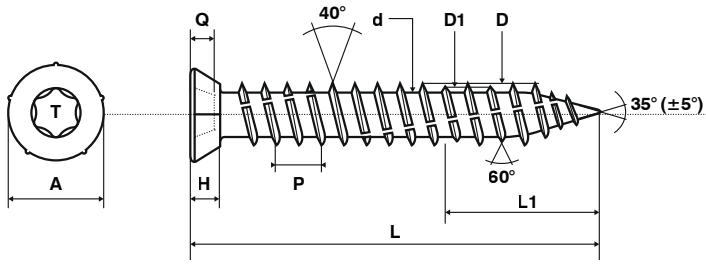
DIMENSIONS

COUNTERSUNK HEAD: BTS AND VFD-F

Length 42 mm to 302 mm (full threaded)

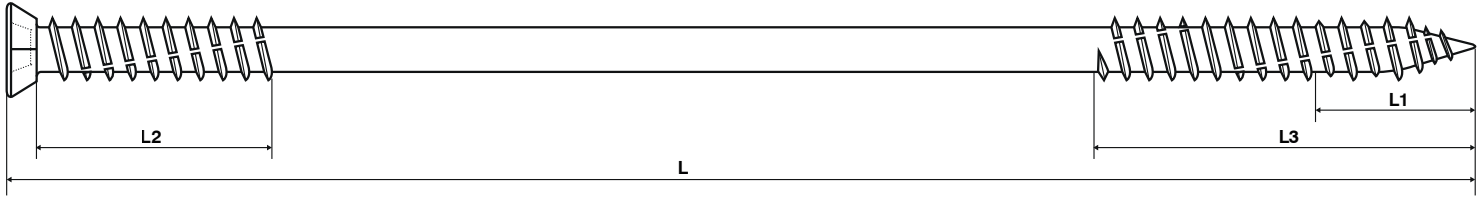
WITHOUT HEAD: VFD-R

Length 42 mm to 302 mm (full threaded)



COUNTERSUNK HEAD: BTS

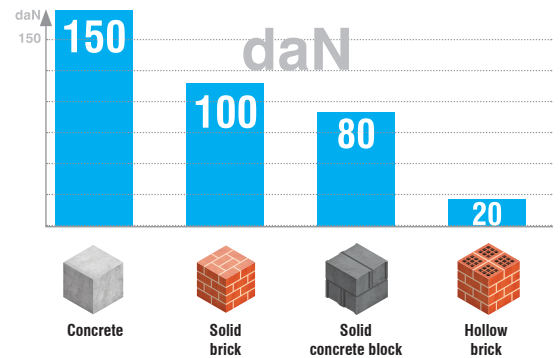
Length 372 mm to 402 mm (partially threaded)



TYPE	L	type de filetage	L1	L2	L3	d	D	D1	T	A	Q	H	P
	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
BTS / VFD-F	42 - 302 (+/- 1,5)	total	30 (+/- 3,0)	-	-	5,35 (+/- 0,15)	7,5 (+/- 0,1)	6,5 (+/- 0,2)	TX30	11,3 (+/- 0,5)	2,5 (+/- 0,2)	3,0 (+/- 0,2)	5,2
	372 - 402 (+/- 1,5)	partiel		50	175								
VFD-R	72 - 302 (+/- 2,0)	total	30 (+/- 3,0)	-	-	5,35 (+/- 0,15)	7,5 (+/- 0,1)	6,5 (+/- 0,2)	TX30	8,95 (+/- 0,25)	2,55 (+/- 0,25)	5,0 (+/- 0,5)	5,2

RECOMMENDED LOADS

The loads indicated are for information and based on construction site trials. These are tensile and shear values for standard anchorage depths l_{ef} indicated in the table of dimensions. the security coefficients are included;



ADDITIONNAL PRODUCTS



Colour	Reference	For
RAL 8014	BTS8014C	VFD-F, BTS
RAL 9005	BTS9005C	VFD-F, BTS
RAL 9010	BTS9010C	VFD-F, BTS
RAL 8014	VFD8014C	VFD-R



The cap fixes very well on to the screw head thanks to torx socket