



Concrete screw BTS6 Wide range of installations - fast and direct



Product advantages – BTS6



- Fast assembly Drill, screw in - finished.
- Simple system with special accessories Drilling and fixing with the same power tool without changing tools.

Removable

Also very suitable for temporary fixings.

Redundant fastening

i.e. if one anchor group is fastened, the load is transferred to the other fixing points if one anchor fails.

Redundant fastening

Number of fixing points	Number of fixings per fixing points	Load per fixing point [KN]
≥ 4	≥1	≤ 3
≥3	≥1	≤ 2



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Profile – BTS6







BTS6 PT



BTS6 PT

Assortment – BTS6

BTS6 B with	Packing							
Туре	Art-No	d _s x L	h₁ ≥	h _{nom} ≥	t _{fix} ≤	Drive	B	- AP
d _o - L		[mm]	[mm]	[mm]	[mm]		[pcs]	[pcs]
6-40/5	9ZG640BTSB	7,5 x 40	40	35	5	SW10	150	750
6-55/5	9ZG655BTSB	7,5 x 55	40/55	35/50	20/5	SW10	100	500

BTS6 PT wi	Packing							
Туре	Art-No	d _s x L	h₁ ≥	h _{nom} ≥	t _{fix} ≤	Recess	Ø	Ð
d _o - L		[mm]	[mm]	[mm]	[mm]		[pcs]	[pcs]
6-40/5	9ZG640BTSPT	7,5 x 40	40	35	5	TX30	150	750
6-55/5	9ZG655BTSPT	7,5 x 55	40/55	35/50	20/5	TX30	100	500

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BTS6 PTL w	Packing							
Туре	Art-No	d _s x L	h₁ ≥	h _{nom} ≥	t _{fix} ≤	Recess	Ø	Ø
d ₀ - L		[mm]	[mm]	[mm]	[mm]		[pcs]	[pcs]
6-40/5	9ZG640BTSPTL	7,5 x 40	40	35	5	TX30	150	750
6-55/5	9ZG655BTSPTL	7,5 x 55	40/55	35/50	20/5	TX30	100	500

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BTS6 E with	Packing							
Type d _o - L	Art-No	d _s x L [mm]	h₁ ≥ [mm]	h _{nom} ≥ [mm]	Connecting thread	Drive	[pcs]	[pcs]
6-35	9ZG635M6BTSE	7,5 x 35	40	35	M6 (L = 5 mm)	SW10	150	750
6-35	9ZG635M8BTSE	7,5 x 35	40	35	M8 (L = 15 mm)	SW10	100	500

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BTS6 H v	Packing							
Туре	Art-No	d _s xL	h₁ ≥	h _{nom} ≥	Internal	Drive	Ø	đ
d _o - L		[mm]	[mm]	[mm]	thread		[pcs]	[pcs]
6-35	9ZG635M6BTSH	7,5 x 35	40	35	M6 (L = 10 mm)	SW10	150	750
6-35	9ZG635M8BTSH	7,5 x 35	40	35	M8 (L = 15 mm)	SW10	100	500
6-50	9ZG650M8BTSH	7,5 x 50	55	50	M8 (L = 15 mm)	SW10	100	500
6-35	9ZG635M10BTSH	7,5 x 35	40	35	M10 (L = 15 mm)	SW13	100	500







BTS6 H

BTS6 E

Accessories – BTS6



Special adapter Put over the drill bit and the socket wrench Quick installation without changing tools.



Packing



Socket wrench Suitable for all sizes BTS6

Accessories for

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Туре	Art-No	d _o	L	Recess	Ø
		[mm]	[mm]		[pc]
Special drill bit SDS 6 mm	6115SDSTRBCA	6	175	SDS plus	1
Special adapter	9ATRBCA	13	145	2x hex-head	1
Socket wrench 10 (SW10)	910LLTRBCA	18	65	hexagon	1
Socket wrench 13 (SW13)	913M8LLTRB	20	65	hexagon	1

Loads and installation parameters - BTS 6



Loads, spacing and edge distance for multiple use for non-structural

applications	applications in precast concrete hollow core slabs C45/55												
Туре	Permissible load in any direction ^{1),2)} h _{nom} 35 mm	Permissible bending moment ²⁾	Spa	cing	Edge d	istance							
	F _{per} [kN]	M _{per} [Nm]	S _{cr} [mm]	S _{min} [mm]	C _{cr} [mm]	C _{min} [mm]							
BTS 6	1,02	5,7	200	200	150	150							
1)	1 1 51 5	· (I) (1 11 1									

Permissible loads without influence of spacing and edge distance

²⁾ Load figures include the resistances' partial safety factors as per approval and a partial safety factor on the action of $\gamma_F = 1.4$

If underrun the char. space or edge distance (C_{cr} or S_{cr}) the loads must be reduced. h_{min} , S_{min} and C_{min} must be observed.

Loads, spacing and edge distance for non-structural applications in precast concrete hollow core slabs: w/e \leq 4,2 / concrete \geq C45/5T / thickness of bottom flange \geq 35 mm

Loads, spacing and edge distance for multiple use for non-structural applications in cracked concrete C20/25-C50/60

Туре	Permissible load in any direction 1),2) h _{nom} 35 mm h _{nom} 50 mm		Permissible bending moment ²⁾	Spa	cing	Edge distance		Min. thickness of structural part	Max. torque of the impact wrench	Max. torque
	F _{per} [kN]	F _{per} [kN]	M _{per} [Nm]	S _{cr} [mm]	S _{min} [mm]	C _{cr} [mm]	C _{min} [mm]	h _{min} [mm]	T _{imp} ≤ [Nm]	T _{inst max} [Nm]
BTS 6-35	0,85	-	5,7	160	40	80	40	100	150	15
BTS 6-40	0,85	-	5,7	160	40	80	40	100	150	15
BTS 6-50	0,85	1,90	5,7	160	40	80	40	100	150	15
BTS 6-55	0,85	1,90	5,7	160	40	80	40	100	150	15

¹⁾ Permissible loads without influence of spacing and edge distance ²⁾ Load figures include the resistances' partial safety factors as per approval and a partial safety factor on the action of $v_F = 1.4$ If underrun the char. space or edge distance (C_{cr} or S_{cr}) the loads must be reduced. h_{min} S_{min} and C_{min} must be observed.



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