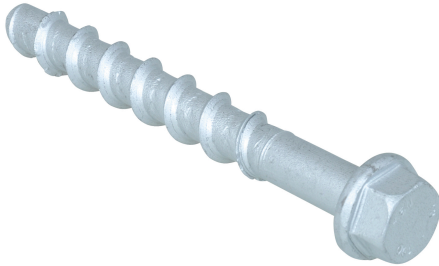


# WCS1H Concrete Screw

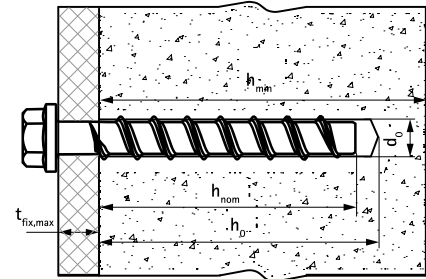
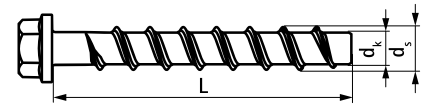
(L 03 75)

high performance corrosion resistant concrete screw with hexagon head



## Features and Benefits

- high load capacity
- through-fixing
- approved for use in precast prestressed hollow core slabs
- up to 3 anchoring depths provide maximum installation flexibility
- reduced edge and anchor spacing distances
- material: steel
- surface treatment: zinc flake coated
- ETA Option 1 approval for cracked and non-cracked concrete
- ETA ETAG001 Part 6 approval for multiple use for non-structural applications
- fire resistance class R30-R120 for design of anchorages under exposure to fire
- seismic performance category C1 for design of anchorages under seismic action
- substrate type:
  - cracked concrete
  - non-cracked concrete
  - precast pre-stressed hollow core slabs



Part No.	Code	Size	L	dk	ds	d0	h0	hmin	hnom	tfix,max	Rec. Tension Load C20/25 Uncracked Concrete (kN)	Rec. Tension Load C20/25 Cracked Concrete (kN)	Partial Safety Factor (yMc)	Pack 1
				(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
625 3 304	WCS1H 6x40	6	40 mm	5.1	7.5	6	40	80	35	5	0.60**	0.60**	1.80	100
625 3 306	WCS1H 6x60	6	60 mm	5.1	7.5	6	60	100	55	5	4.29*	1.90*	1.50	100
625 3 408	WCS1H 8x70	8	70 mm	7.1	10.6	8	75	100	65	5	7.62*	5.71*	1.50	50
625 3 418	WCS1H 8x80	8	80 mm	7.1	10.6	8	75	100	65	15	7.62*	5.71*	1.50	50
625 3 428	WCS1H 8x100	8	100 mm	7.1	10.6	8	75	100	65	35	7.62*	5.71*	1.50	50
625 3 438	WCS1H 8x120	8	120 mm	7.1	10.6	8	75	120	65	55	7.62*	5.71*	1.50	50
625 3 506	WCS1H 10x60	10	60 mm	9.1	12.6	10	65	100	55	5	5.71*	4.29*	1.50	50
625 3 509	WCS1H 10x90	10	90 mm	9.1	12.6	10	95	100	85	25	11.90*	9.60*	1.50	50
625 3 510	WCS1H 10x100	10	100 mm	9.1	12.6	10	95	130	85	35	11.90*	9.60*	1.50	50
625 3 512	WCS1H 10x120	10	120 mm	9.1	12.6	10	95	130	85	55	11.90*	9.60*	1.50	50

\* = Recommended loads: are stated for single anchors; apply to anchors correctly installed at maximum embedment depth; include partial safety factor and an overall partial safety factor for action of 1.4.

\*\* = Recommended load is stated for multiple use for non-structural applications according to ETAG001, Part 6.

The partial safety factor for action depends on the type of loading and shall be taken from national regulations. All anchor failure modes and the entire relevant product European Technical Assessment must be considered for anchor design.

For more information, please refer to the ETA report.

### Complementary

- WIS Brush
- WIS Blow Pump
- WSDS+ 3CE Concrete Drill Bit

### Complementary

- WSDS+ HB Hollow Block Drill Bit