

WHC Hollow Core Anchor

Product overview

WCH is a torque-controlled expansion anchor made of galvanized steel for use in precast pre-stressed hollow core concrete slabs.



Technical Approval



Fire Resistance
R120

Material

Steel, zinc plated



Features and benefits

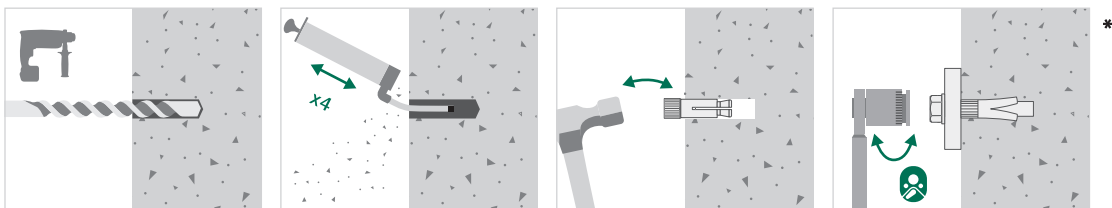
- ☑ DIBt Technical Approval
- ☑ Designed specifically for use in precast pre-stressed hollow core concrete slabs
- ☑ Very high load capacity
- ☑ VdS certificate for applications in stationary water extinguishing systems
- ☑ Fire resistance class R30-R120 for design of anchorages under exposure to fire
- ☑ Easy installation

Substrate type

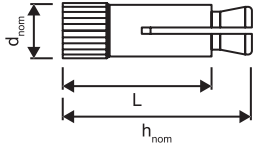
- ☑ Precast pre-stressed hollow core concrete slabs



Installation guide



Product information



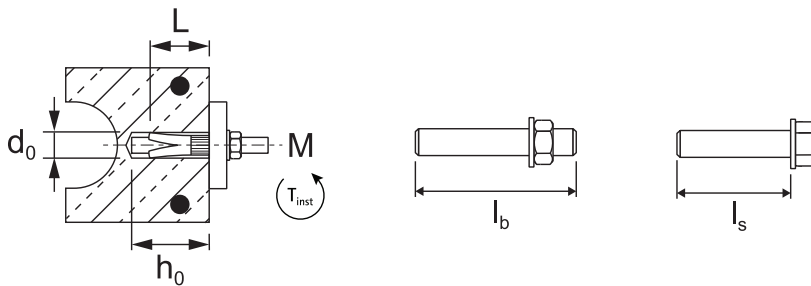
Part No.	Description	Anchor Size	L (mm)	d _{nom} (mm)
6096408	WHC	M8	35	12
6096410	WHC	M10	40	16
6096412	WHC	M12	45	18

Refer to the product data sheet available on walraven.com for complete details on performance recommended loads of WHC anchor.

Recommended loads

Refer to the product data sheet available on walraven.com for complete details on performance recommended loads of WHC anchor.

Installation data



Anchor Type			WHC		
Anchor Size			M10	M12	M12
Nominal drill hole diameter	d ₀	(mm)	12	16	18
Cutting diameter of drill bit	d _{cut}	(mm)	12.5	16.5	18.5
Depth of drill hole	h ₀	(mm)	55	60	70
Diameter of clearing hole in the fixture	d _r	(mm)	9	12	15
Screw length	l _{s,min}	(mm)	47 + t _{fix}	55 + t _{fix}	61 + t _{fix}
(in solid material)	l _{s,max}	(mm)	55 + t _{fix}	50 + t _{fix}	70 + t _{fix}
Threaded rod length	l _{b,max}	(mm)	53 + t _{fix}	63 + t _{fix}	71 + t _{fix}
Min. Property class of screw / stud			5.8	5.8	5.8
Max fixture thickness	t _{fix,max}	(mm)	According to screw or threaded rod length		
Installation torque	T _{inst}	(Nm)	20	30	40

Refer to the product data sheet available on walraven.com for complete details on installation of WHC anchor.

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