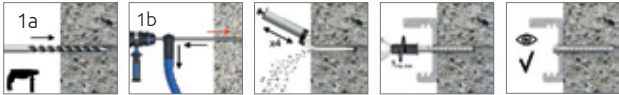


PRODUCT INFORMATION

Items		Coating		Diameter					Anchor Length
		ZP	ZF	6.0	8.0	10	12	14	[mm]
	R-HLX-HF	-	✓	✓	✓	✓	✓	✓	40 - 180
	R-HLX-CS	-	✓	✓	✓	✓	-	-	50 - 160
	R-HLX-P	-	✓	✓	-	-	-	-	40
	R-HLX-PX	-	✓	✓	-	-	-	-	40 - 60
	R-HLX-I	✓	-	✓	✓	-	-	-	35 - 70
									
Certificates	R-HLX-HF	✓ ETA-23/0707 Option 1		✓	✓	✓	✓	✓	
	R-HLX-CS			✓	✓	✓	✓	✓	
	R-HLX-P			✓	✓	✓*	✓	✓	
	R-HLX-PX			✓	✓	✓*	✓	✓	
	R-HLX-I			✓	✓	✓	✓	✓	

INSTALLATION INSTRUCTIONS

INSTALLATION



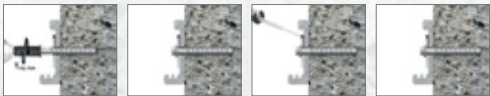
1. Drill the hole with a hammer drill (1a) or a dust-free drill (1b) to the required depth according to the table.
2. Clean the hole (blow dust at least 4 times with the hand pump). When using a dust-free drill bit (1b), it is not necessary to clean the hole. When installing using a hammer drill and without cleaning the holes, the hole should be 25 mm deeper.
3. Screw the concrete screw into the hole with an impact wrench and a suitable impact socket. Tighten until the fixture is clamped to the substrate. Installation with any tangential impact wrench.
4. Finish screwing when the screw head touches the fastened element/substrate. The screw head must not be damaged.

ADJUSTABLE



1. Possibility to unscrew the fixed anchor to a maximum height of 10 mm. In the adjustment process, the permissible thickness of the fastened elements (Tfix) must be observed.
2. Adjust the element and tighten until the fixture is clamped to the substrate. Installation with any impact wrench with tangential impact.
3. Finish screwing when the anchor presses the fastened element (substrate). The adjustment operation can be performed twice.

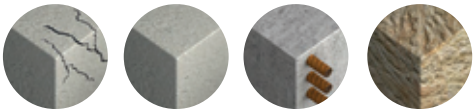
INSTALLATION WITH SEISMIC KIT



1. Place the sealing ring on the fixture. Screw the concrete screw into the hole using an impact wrench and an appropriate impact socket. Tighten until the element is pressed to the surface. Installation using any impact wrench with a tangential impact.
2. Finish screwing in when the screw head and the ring are in contact with the fastened element/substrate. The screw head must not be damaged.
3. Place the dispensing nozzle in the opening of the sealing ring. Fill the annular gap with resin.
4. Correctly installed screw with a sealing ring filled with resin.

SUBSTRATE

Cracked concrete, uncracked concrete, reinforced concrete, Unreinforced concrete, Solid masonry (after testing)



DESIGNING APPLICATION



Original, free application for performing calculations design. It enables the execution of the most complex projects, taking into account the specific needs of specific construction investments. Division into thematic modules, dedicated to specific segments of construction works, including the plate module enabling the selection of new R-HLX mechanical anchors.

The operation of the Easyfix application is based on the latest EAD, ETAG and Eurocode guidelines, ensuring standard compliance, precision and highest usability of calculations. Each module allows you to perform calculations in real time, giving the user unlimited possibilities to adapt the fastenings and fastened elements to the real needs at any given moment.

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RWL-R-HLX-EN

R-HLX

NEW SINGLE THREAD, HIGHEST PERFORMANCE, AND FAST ASSEMBLY SPEED

Induction-hardened concrete screws
R-HLX Rawlplug®



NEW

Trust & Innovation
www.rawlplug.co.uk



NEW SINGLE THREAD. HIGHEST PARAMETERS AND SPEED OF ASSEMBLY



Wide installation possibilities



SELF-TAPPING CONCRETE SCREW



The R-HLX concrete screw is a new, innovative single thread spiral which ensures speed and ease of screwing, even in the hardest concrete. Induction hardening technology guarantees us the highest load capacities and safe installation. Small distances from the edge and between anchors mean that it has no competitors in many applications. They are ideally suited everywhere where a large number of fastenings need to be made in a short time.



Hexagonal head screw with washer
R-HLX-HF



Countersunk head screw
R-HLX-CS



Panhead screw
R-HLX-P



Panhead XL screw
R-HLX-PX



Internally threaded head screw
R-HLX-I

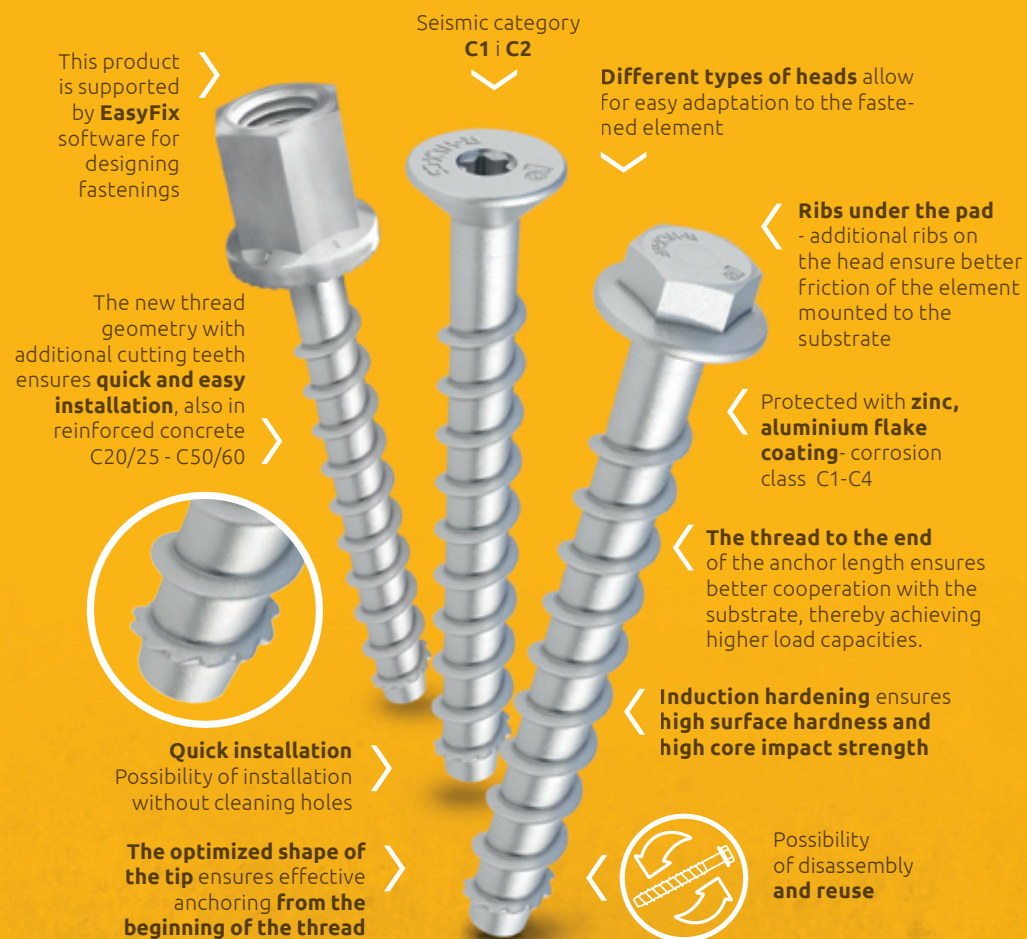
100% Polish production.

Production of screws takes place in one of the largest and most reputable cold forging factories in Europe, with experience in the automotive and industrial sectors.

Carbon steel in the form of bar stock is supplied from a Steel Mill based in Poland

www.rawlplug.co.uk

Quick and safe anchoring in any concrete



RELATED PRODUCT

R-PRH26850
Hammer drill
SDS-PLUS, 850W,
2,5J



R-PRH18
Hammer drill
18V SDS-PLUS
2,0J



R-PID18-315
Impact wrench
18 V, 315 Nm 1/2"



R-PIW18-XL2
Impact driver 18V
1000Nm 2x5,0Ah



RT-SDSA
Drill bit Aggressor
SDS plus



RT-SDSR
Drill bit Rebar drill
SDS plus



RT-IS
Impact bits 1/2"



RT-IBIT-T
T type impact
screwdriver bit



HIGHEST PARAMETERS

Specialized heat treatment, as well as the proper pitch and geometry of the thread, guarantee the achievement of solid and durable fastening. Concrete screws do not use expansion but undercutting in order to obtain the ability to carry increased loads. Moreover, the design of the screws is such that the effective anchoring depth begins in the concrete from the very start of the anchor. The thread geometry distributes the forces acting on it evenly along the entire screw. In practice, this means that the force in the substrate is analogous to that of embedded elements. The effect? The R-HLX anchors achieve the highest possible load-bearing capacity in concrete, depending on its strength. **STRONG CONNECTION.**

HARDNESS AND IMPACT STRENGTH

The strength of our solution lies in the innovative process of forging and heat treatment. This ensures a high grade of steel in the finished product and its impact strength. Rawlplug does not use acid etching in the process of applying Zinc Flake coating, thus avoiding hydrogen embrittlement of screws. **100% PROTECTION.**

SPEED OF ASSEMBLY

Simply drill a hole with a diameter slightly smaller than the screw itself. If you use a dustless drill or a hammer drill with the hole drilled 25mm deeper, you can skip the hole cleaning step. Follow the clear guidelines regarding the drill size included in the product code. This way, the prepared hole ensures proper guidance of the screw, while the thread angles, notches, and new design precisely undercut the substrate material during screwing. The anchor operates on the principle of undercutting the concrete, not by expansion. It is a one-piece fastening, there is no need to use washers and nuts. Moreover, the installation of screws does not require the use of special tools, and crucially - if necessary, there is the possibility of their complete, non-invasive disassembly. Additionally, it can be adjusted twice to 1 cm in height while maintaining full load-bearing capacity. **JUST LIKE THAT.**

MEETS THE NEEDS OF EVERY CONTRACTOR

The R-HLX screws are designed for use in high-class concrete. Their single-thread design with an optimal pitch allows for faster installation and efficient removal of excess debris during assembly. Induction hardening provides a high surface hardness and core toughness, enabling trouble-free and fast installation even in the highest concrete classes up to C50/60.

