PRODUCT INFORMATION

			M8	M10	M12	M16
Effective anchorage depth	h_{ef}	[mm]	47	50	68	85
Drill hole diameter	d_0	[mm]	8	10	12	16
Max. hole diameter in fixture	d_f	[mm]	9	12	14	18
Min. hole depth in the substrate	h_0	[mm]	65	70	90	110
Nominal embedment depth	h_{nom}	[mm]	55	60	80	100
Min. concrete thickness	h_{min}	[mm]	100	100	140	170
Installation torque	T_{ins}	[Nm]	15	30	50	100
Minimum spacing anchors	s_{min}	[mm]	50	70	75	95
Minimum edge distance	c_{min}	[mm]	40	60	65	85
Characteristic resistance, tension load	N_{rkp}	[kN]	13	15	25	34
Characteristic resistance, shear load	V_{rks}	[kN]	11	17,4	25,3	47,1

APPLICATION FOR DESIGN

EasyFix

Proprietary, free calculation application design. It allows you to perform the most complicated projects, taking into account the specific the needs of specific construction investments.

Division into thematic modules, dedicated to a specific one segments of execution works, including the PANEL module enables selection of new mechanical anchors R-XPTIII-HD with high corrosion resistance in the zinc coating 50 µm thick fireproof plate approved by ETA 21/0062 according to EAD.

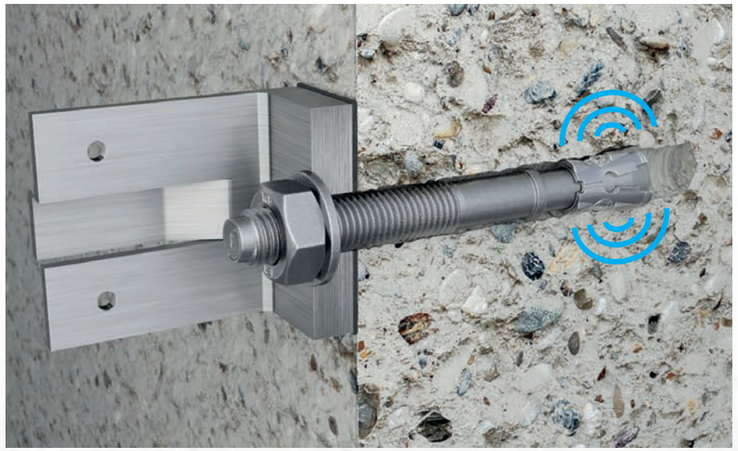
The operation of the EasyFix application is based on the latest guidelines.

EAD, ETAG and Eurocode, ensuring the computation is compliant with standards, precision and utmost usability. Each module allows you to perform calculations over time real, giving the user unlimited possibilities adjustments of fixings and attachments to the real needs at the moment.

Mechanical anchor
R-XPTIII-HD

INSTALLATION INSTRUCTIONS

1. Drill a hole of required diameter and depth.
2.Clear the hole of drilling dust and debris (using blowpump or equivalent method).
3.Lightly tap the throughbolt through the fixture into hole with a hammer, until fixing depth is reached.
4. Tighten to the required installation torque.



The R-XPTIII-HD anchor with increased corrosion resistance thanks to the 50 µm zinc coating fire resistance, as well as with increased resistance to impact. Through-hole expansion anchor with controlled torque in sizes M8, M10, M12, M16.

SUBSTRATE MATERIAL

Non-cracked concrete C20/25 - C50/60
Concrete reinforced and unreinforced
Natural stone after testing

DISTRIBUTION IN POLAND
Rawlplug S.A.
ul. Kwidzyńska 6
51-416 Wrocław

tel: + 48 (71) 32 56 590

Customer Service Office:
bok@rawlplug.com

www.rawlplug.com

R-XPTIII-HD

CORROSION RESISTANCE AND HIGH STRENGTH

New ETA-21/0062

Rawlplug at your service

THROUGHBOLT EXPANSION ANCHOR IN HOT DIP GALVANIZATION

Trust & Innovation

www.rawlplug.com

Mechanical anchor
R-XPTIII-HD

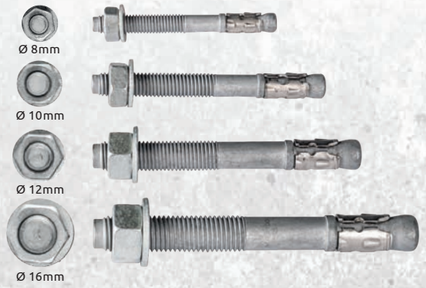
RAWLPLUG®

"HIGH CORROSIVE RESISTANCE. RELIABLE AND SIMPLE INSTALLATION.

THROUGHBOLTS

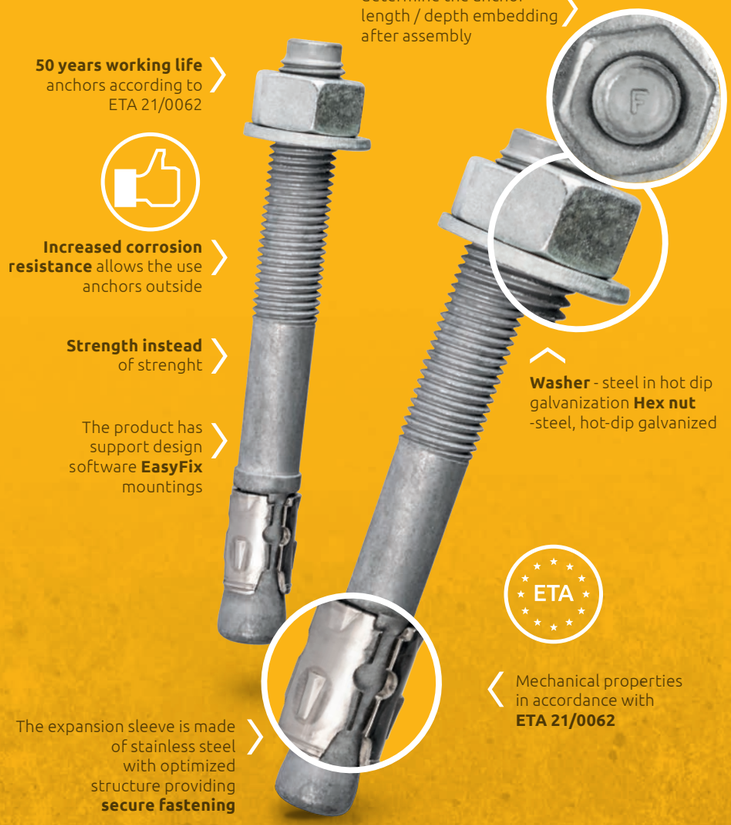
The R-XPTIII-HD anchor with increased corrosion resistance, thanks to the HDG hot zinc coating with a thickness of 50 µm, can be installed outdoors in accordance with EN ISO 9224. The special design of the anchor guarantees high load-bearing capacity and allows drilling and installation directly through the element being fixed, making installation easy and reducing time and effort.

Corrosivity category	Corrosivity	Durability
		Thickness hot dip galvanized according to Chapter 8.3 > 50 µm average Durability
C1	Very low	500 years
C2	Low	75 years
C3	Medium	25 years
C4	High	12,5 years
C5	Very high	5 years
C6	Extreme	2 years



www.rawlplug.com

Fast, effective and safe anchoring



Marking of the head to determine the anchor length / depth embedding after assembly

50 years working life anchors according to ETA 21/0062

Increased corrosion resistance allows the use anchors outside

Strength instead of strenght

The product has support design software **EasyFix** mountings

Washer - steel in hot dip galvanization **Hex nut** -steel, hot-dip galvanized

Mechanical properties in accordance with **ETA 21/0062**

The expansion sleeve is made of stainless steel with optimized structure providing **secure fastening**

PARAMETERS

One anchoring depth, 4 diameters, wide range of lengths allow you to choose the optimal solution for the application and element fastened, and mount them securely thanks to the perfect ones load capacity and installation parameters.

ANTI-CORROSION PROTECTION

50 µm thick hot dip galvanization provides excellent protection anti-corrosion in conditions of aggressive environment in accordance with with EN ISO 9224. The passage of time causes the coating to oxidize which leads to fading of the upper layers of zinc and reveals the alloy layers of iron and zinc, but the coating used is characterized by high durability, it is also resistant to impact and abrasion. Hot-dip galvanized has a gray, matt color.

SAFETY

The R-XPTIII-HD anchor meets the requirements of laboratory tests, which was confirmed by the European Technical Assessment 21/0062 in accordance with EAD 330232-01-0601. Thanks high technical parameters is an ideal solution to many construction connections, especially in aggressive environments.

RELIABILITY

The new generation of R-XPTIII-HD anchors has been designed to be reliable in all installation conditions. We have achieved this thanks to the appropriate shapes of the pin and the band, which ensure the ability to carry increased loads with low displacement, effectively distributing the forces acting on them on the ground.

RELATED PRODUCT

R-PRH18
RawlHammer 18V
SDS-PLUS 2,0J 5,0Ah

R-PID18
RawlWrench 18V
210Nm 5,0Ah

RT-SDSH
Hollow drill bits
Dustlessdrill SDS plus

RT-SDSA
Drill bits Agressor
SDS plus

RT-SDSR
Drill bits Rebardrill
SDS plus

RT-IS
Long impact sockets 1/2"

R-HTW-20-100
Torque wrench

RT-HAM-800
Locksmiths' Hammers