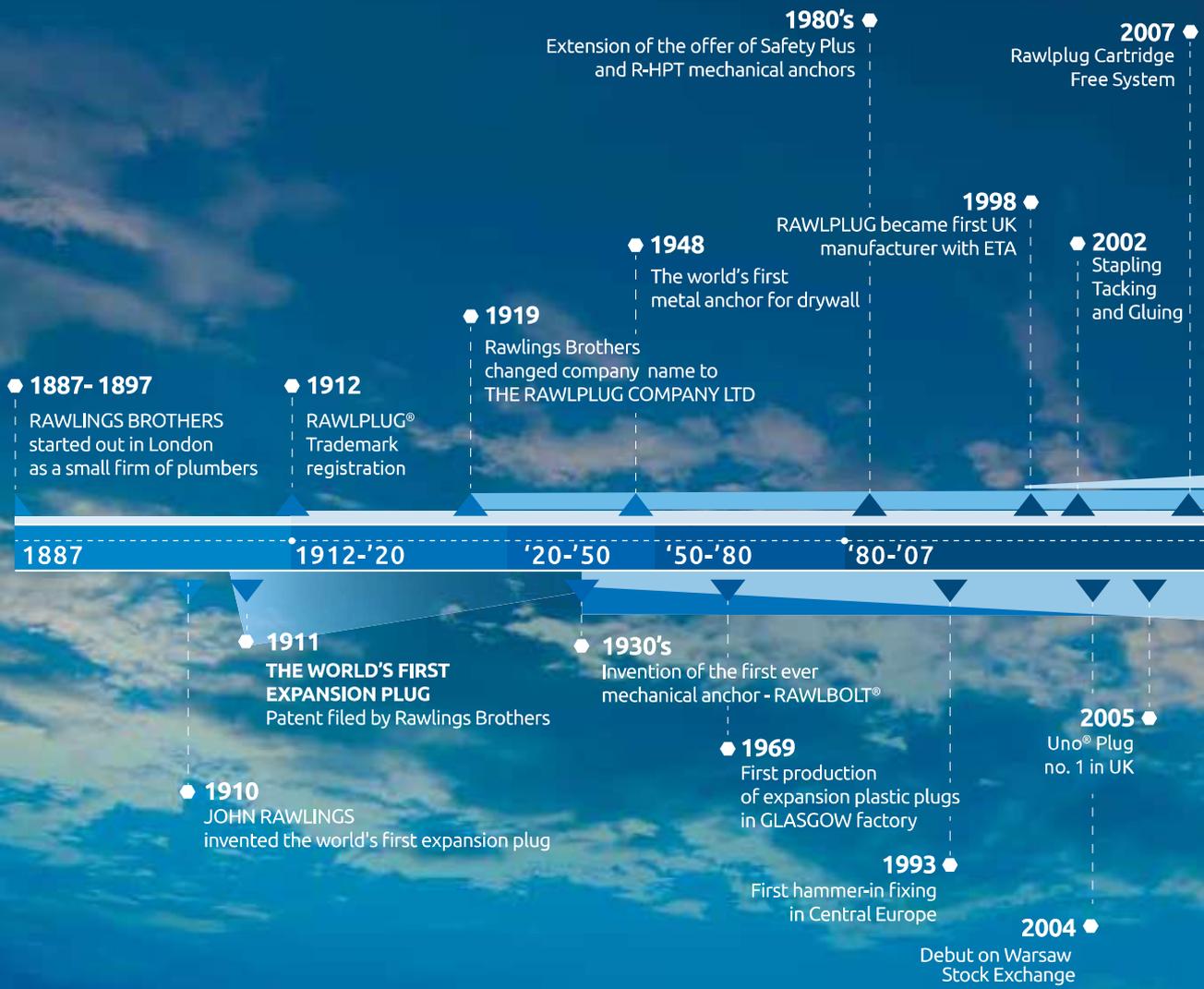


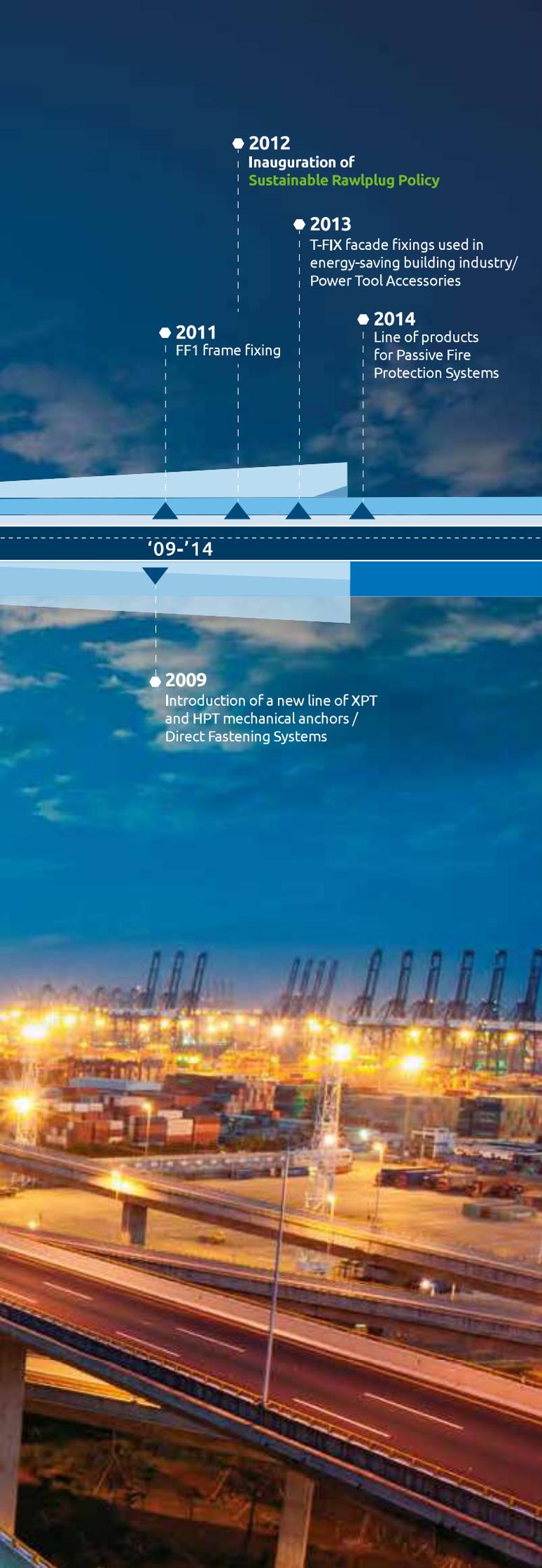


RAWLPLUG®

Product Catalogue
United Kingdom

Trust & Innovation





● **2012**
Inauguration of
Sustainable Rawlplug Policy

● **2013**
T-FIX facade fixings used in
energy-saving building industry/
Power Tool Accessories

● **2011**
FF1 frame fixing

● **2014**
Line of products
for Passive Fire
Protection Systems

'09-'14

● **2009**
Introduction of a new line of XPT
and HPT mechanical anchors /
Direct Fastening Systems

- Since 1911, when John Rawlings invented and filed an application to patent the world's first wall plug, the history of fixings has been inextricably linked with the RAWLPLUG® brand. Following the tremendous success of this revolutionary product in Europe, the RAWLPLUG company was founded in 1919 and quickly became renowned across the world for its innovative and reliable fixings.

Over the years, a small family company became an international organisation whose power is reflected in **13 companies** on four continents, over **1.900 employees** and almost **30.000 lines** making up our diverse range of products. The Group's present-day know-how is a synergy of knowledge and experience based on the best practices of its subsidiaries whose main activity is developing innovative solutions in the field of fixing technologies, including their **design, production and distribution**.

Since it was founded, Rawlplug has placed great emphasis on the **quality and innovation** of its products, developing research centres in Glasgow, Wroclaw and Lancut. R&D teams consisting of experienced engineers, in the quest to find innovative solutions, design products intended for a wide range of substrates and applications. Pioneering Rawlplug solutions, imitated all over the world, have been defining the direction for the entire fixings industry for over 100 years.

- Nowadays Rawlplug® products are used in the construction, automotive, machine and electro-machine, mining, shipyard, road, timber and power industries, including around 30.000 product listings divided into 3 key groups:

Fixings & Anchors

Thermal insulation fixings for facades and roofs, self-drilling screws, lightweight and domestic fixings, frame fixings, medium and heavy-duty anchors, resin-bonded anchors and many others.

Fasteners

DIN bolts, nuts & washers, special bolts and many others (including bespoke solutions).

Tools

Hand and power tools, power tool accessories (drills, saws, chisels, etc.) and direct fastening systems.

Today Rawlplug continues in its fine tradition of innovation through constant research and development of technologies and processes that minimise the company's impact on the natural environment, making sustainable development one of the pillars of its existence.

Sustainable Rawlplug:

- employs a strategy of successful management and ethical business practices;
- builds long-lasting relationships based on common respect and trust with customers, suppliers and business partners thanks to an effectively designed and operated supply chain;
- cares for its employees and provides help and support to develop local communities;
- is concerned for the natural environment, focusing on areas involving production processes, employee education and cooperation with experts in the field of waste management.

Thanks to its constant emphasis on innovative solutions and customer care together with keen concern over sustainable development and environmental issues, RAWLPLUG® products continue to be acknowledged around the globe making them a world-class, first choice for the fixings industry.

Sustainable **RAWLPLUG®**

Rawlplug Support

Construction

For nearly a century Rawlplug has been renowned for its high quality products and technical expertise within the Building and Civil Engineering Industry. Our heavy duty anchors have been specified for safety critical applications on many prestigious projects.

Our technical personnel liaise with Construction professionals daily, ensuring the most appropriate anchoring solutions are selected and that future product developments reflect the trends within the industry.

Our focus is on delivering the highest quality products cost effectively. Where ever our products are purchased around the world the quality remains consistent so engineers can specify with confidence. Whether you are a Specifier, Contractor, Distributor or User, you can contact Rawlplug for free advice plus Site Testing, Product Training and Technical Seminars.

Construction Fixings Association

Rawlplug is a proud member of the Construction Fixings Association (CFA) which represents major fixings suppliers within the UK.

Technical Advisory Service

The Rawlplug Specification Team provides a complete package of technical support from the Design stage of a project to its Completion.

Our national service involves the recommendation of an appropriate product taking into account the structure, life expectancy, location, load applied, and all other criteria.

We are very pleased to check the design and specification of any product from lightweight fixings to heavily loaded safety critical anchors. This ensures that the correct specification is written for any product and includes the required safety factors to ensure that the anchor works satisfactorily its lifetime.

Our Technical Advisory Service can be contacted in Glasgow, between the hours of 9.00am and 5.00pm. They will also provide information, technical data, samples etc., and arrange for one of our engineers to call to offices or sites.

We will also visit sites to conduct Pull-Out Tests. This is particularly useful where structures are unknown or potentially weak, for example solid or hollow, low-strength blockwork, which can be as thin as 100mm, and brickwork, where there could be voids and poor mortar strength. A series of tests is carried out in accordance with the engineering requirements and in compliance with BS 8539 and the Construction Fixings Association guidelines. A recommendation is then made based on the actual results obtained to enable an accurate specification to be done, and for product to be selected.

All CFA full members are committed to providing technically proven products manufactured to recognised Quality Assurance procedures and backed up with comprehensive technical support services including performance data, anchor selection software, application advice, on site testing and training in the correct use of our products.

The CFA is directly involved in the development of European and British Standards, contributing to the development of European Guidelines for Technical Approval of anchors. The CFA also ensures best fixings practice by publishing a series of free Guidance Notes, downloadable from the website which also carries articles, news and technical advice.



The Rawlplug Specification Team also conducts Product Training on site or at the client's premises and on request will visit site to periodically check the quality of installation.

All specifiers including Structural, Civil and Mechanical Engineers will be interested to know that we conduct Technical Seminars at lunchtime or in early evening. Subjects include the correct selection of Mechanical and Bonded Anchors and reference is made to applications and case studies. We also provide some details on our Design Software and new Technical Handbook. The seminar can be conducted for any number of people and is normally carried out at the clients premises, and focuses on relevant topics.

In Glasgow we have a newly refurbished Training Centre where groups of up to 12 people can be trained on the correct methods of installation and provided with technical knowledge and applications across the range of products

Rawlplug Support

Field Engineers

Highly skilled professional Technical Engineers cover all of the markets that we operate in and are available to offer fixing advice in the convenience of your office or building site. Our dedicated team of field engineers have many years of experience and offer a complete technical support service that includes:

Advice on anchor selection, usage and application

On site testing

Technical seminars

Distributor training



Site Testing

Rawlplug® provides a comprehensive site testing service. Pull-out tests can be conducted on any of the products in the range, and are normally done on site in the actual structure. Alternatively, we can demonstrate the anchor performance with test blocks in another location. Engineers and Contractors are encouraged to be present at the testing.

Testing is conducted in accordance with the guidelines of the Construction Fixings Association.

The Construction Fixings Association (CFA) represents the major quality manufacturers of anchoring products, ensuring good practice at all times. Rawlplug is a founder member of the CFA and have its personnel on the Technical Committee, Promotions Committee and on the Board of Directors (Vice Chairman). Since the company was founded over 94 years ago, Rawlplug has been respected as a top quality manufacturer, and this approach to quality and performance has never been compromised, even with the competition from imported products.

Free Site Testing Service

To encourage good practice, we offer the Site Testing Service free of charge. Based on the information supplied by the Structural Engineer, Civil Engineer or other specifier, a number of pull-out tests will be conducted using the most appropriate fixings.

These could include Mechanical and Bonded Anchors, Insulation Fixings-Facades and Roofing, Direct Fasteners or Lightweight Fixings depending on the application.

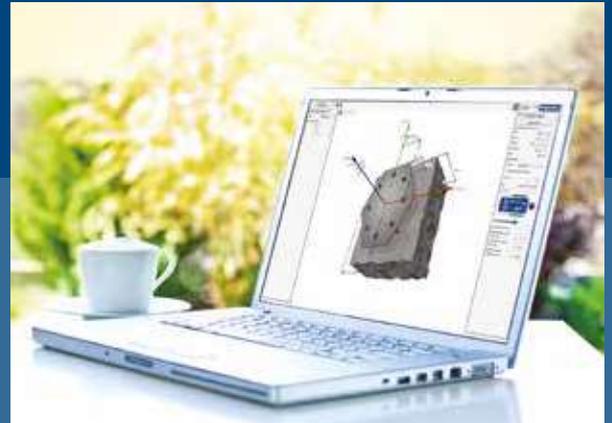
Anchor design software - EasyFix 3 Pro

It is with pleasure that we present an improved and updated version of our popular anchor design software EasyFix.

EasyFix 3 Pro is more intuitive and enables a simplified and faster anchor selection process for specialised constructions, providing different variants of anchors depending on the fixture geometry.

Main features of EasyFix 3 Pro:

- Enter different base plate geometries.
- Attach a variety of different sections to the base element.
- Add eccentricity to the anchorage by moving the point where the applied loads are acting to any point on the base element.
- Design stand-off applications by offsetting the base element from the surface of the substrate.
- Make use of slotted holes to increase performance by preventing shear forces acting on anchors close to an edge.
- Input data through a simple graphical user interface.
- Enter loads using characteristic or design values.
- Pre-filter results by anchor group, anchor material and diameter.
- View the load distribution across the anchorage and the percentage of capacity utilized by each anchor.



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BONDED ANCHORS

R-KEX II Pure Epoxy Resin		21	✓	✓												✓	
R-KER II Hybrid resin		23															
R-KER Vinylester Resin		24	✓	✓	✓												✓
R-KEM II Styrene free polyester resin		25		✓	✓	✓	✓	✓	✓								✓
R-KF2 Polyester resin		26		✓													✓
RV200 Vinylester resin (CFS+ system)		27	✓	✓	✓	✓											✓
RM50 Styrene free polyester resin (CFS+ system)		28		✓	✓	✓	✓	✓	✓								✓
RP30 (CFS+) Polyester resin		29		✓	✓	✓	✓	✓	✓								✓
R-CAS-V Spin-In capsule with threaded rods		30	✓	✓	✓												✓
R-HAC-V Hammer-In capsule		31		✓	✓												✓
R-STUDS Metric threaded rods		32															✓
R-ITS Internally threaded sockets		35	✓	✓	✓												✓
Wire mesh sleeves		36	✓	✓	✓	✓	✓	✓	✓								
Plastic mesh sleeves		36	✓	✓	✓	✓	✓	✓	✓								
Mixer nozzles		37															
R-BRUSH manual brushes		37	✓	✓	✓	✓	✓	✓	✓								
R-BLOWPUMP blow pump		39															
R-GUN Dispenser guns		39															

MECHANICAL ANCHORS

R-SPLII Safety Plus II		47	✓	✓													✓
R-SPL Safety Plus		48		✓	✓												✓
R-HPTIIA4 Stainless steel throughbolt		49		✓	✓												✓
R-HPTIIZF Zinc flake throughbolt		50		✓	✓												✓
R-XPTIIA4 Stainless steel throughbolt		52	✓	✓	✓												✓
R-XPT-HD Hot Dip Galvanized Throughbolt		53		✓	✓												✓
R-XPT Throughbolt		54	✓	✓	✓												✓
R-RBL Rawlbolt - loose bolt		56	✓	✓	✓		✓										✓
R-RBP Rawlbolt - bolt projecting		57	✓	✓	✓		✓										✓
R-RBL-PF, R-RBP-PF RAWLBOLT Collar		58															✓

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MECHANICAL ANCHORS

R-RBL-H Rawlbolt - hook bolt		59		✓	✓		✓										✓
R-RBL-E Rawlbolt - eye bolt		59		✓	✓		✓										✓
R-RB Rawlbolt shield		60		✓	✓		✓										
Sleeve anchor R-KT-SS Stainless steel, R-KT Zinc-plated, R-KT-HDG		60		✓	✓												✓
R-RLK Rawlok		62		✓		✓		✓									
R-LX Concrete screwbolt		64	✓	✓													pending
R-DCA / R-DCA-A4 Drop in anchor		66	✓	✓	✓												✓
R-DCL Lipped drop in anchor		67	✓	✓	✓												✓
Drop In Anchor Setting Tools		67															✓

LIGHTWEIGHT FIXINGS

FF1 Nylon frame fixing		74		✓	✓	✓	✓	✓	✓								✓
KKS-R Frame fixing with short expansion zone		76		✓	✓	✓											
WHO Frame screws		76		✓	✓		✓							✓			✓
O Metal frame anchor		77		✓	✓												✓
KO Cover CAP for metal frame anchor		77															
GS Ceiling wedge anchor		78	✓	✓	✓												✓
KMW Metal hammer fixing		78		✓		✓			✓								✓
SRS Ceiling fixing		79		✓	✓				✓								✓
TM Brass expansion sleeve		79	✓	✓	✓												
KGS Lightweight block anchor		80		✓		✓	✓				✓						
FX-N-K Nylon hammer-in fixing with mushroom head		80		✓		✓	✓	✓	✓	✓							✓
FX-N-L Nylon hammer-in fixing with countersunk head		81		✓		✓	✓	✓	✓	✓							✓
FX-N-C Nylon hammer-in fixing with cylinder head		82		✓		✓	✓	✓	✓	✓							✓
FX-N-A2 Stainless Steel Hammer-in fixing		82		✓		✓	✓	✓	✓	✓							✓
R-MNL Masonry nails		83															
UNO® Universal plug and Universal plug with screw		84		✓	✓	✓	✓	✓	✓		✓						✓
4ALL Universal nylon plug		86		✓	✓	✓	✓	✓	✓		✓						✓
4ALL Universal nylon plug with screw		86		✓	✓	✓	✓	✓	✓		✓						✓
FIX Nylon expansion plug		87		✓	✓	✓			✓								✓

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LIGHTWEIGHT FIXINGS

FIX Nylon expansion plug with screw		88	✓	✓	✓		✓									✓
FIX Nylon expansion plug with collar		88	✓	✓	✓	✓	✓	✓								
FIX-NF+ Nylon ekspansion plug with collar and screw		89	✓	✓	✓	✓	✓	✓								
FIX Nylon expansion plug with hex screw		89	✓	✓	✓	✓	✓	✓								✓
HDPE Contractors Plastic Plug		90	✓	✓	✓											
Scaffolding Eye Bolt & Nylon Plug		90														
Nylon self drill fixing for plasterboard		91									✓					
Metal self drill fixing for plasterboard		91									✓					
Interaset Hollow wall anchor		92								✓	✓					
AT Tool for interaset		92									✓					
Spring toggle		93								✓	✓	✓				
Plastic toggle		93														
RAWLNUT Flexi Plug		94			✓	✓	✓	✓		✓	✓	✓				
R-GPB Driven metal fixing for plasterboards		95										✓				

FACADE INSULATION FIXINGS

KI-10NS Screw-in insulation fixing with long expansion zone		100	✓		✓	✓	✓	✓								✓	✓
KI-10N Long expansion zone facade fixing with metal pin		101	✓		✓	✓	✓	✓								✓	✓
KI-10 Facade fixing with plastic pin		102	✓		✓	✓	✓	✓								✓	✓
MBA Steel facade fixing		102	✓		✓			✓									✓
MBA Stainless steel facade fixing		103	✓		✓			✓									✓
KIK Insulation fixings		104	✓		✓												
KC Insulation Washers		104															
KWL Insulation retaining plate		105											✓				
MKC/MKC-A2 Washers		105											✓				
ISO-PLUG Insulation fixings		107											✓				
PD Spacer disc		107															

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ROOFING INSULATION FIXINGS

GOK Telescopic sleeve with round plate		111	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		
GOK-PLUS Telescopic sleeve with additional fixing features		112	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		
GOK 75		113														
GOW Telescopic sleeve with oval plate		114														
WBT Screw for concrete		115	✓							✓						
WCS Screw for concrete		115	✓													
WB Self-drilling screws for steel		116	✓							✓					✓	
WO-T Screws for steel		117							✓	✓				✓	✓	
WX-T Self-drilling screws for steel		117							✓	✓					✓	
WW-T Screws for timber		118								✓				✓	✓	
POK Steel washers		119	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	
POW-05, POW-07 Oval steel washers		119	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	
PKW-07 Square Steel Washer 64mm		120	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	
RT-BIT-PH2 Phillips/RT-BIT-TORX25 T25 long screwdriver bits		120														
RT-ADAP Expanders SDS plus Roof System		121														
RT-TD Drill bits Roof System		121														
ADAPTER-MAG For steel washers		122														

FOAMS

RPS B3 Hand Held Expanding Foam		127														
RPS-PVC B3 Hand Held Foam - Low Expansion		127														
RPP-45 B3 GUN PU Foam		128														
RPP-65 B3 Super Efficient GUN PU Foam		128														
RPP-PVC B3 Low Expansion Gun PU Foam		129														
B1 Fire Resistant Gun PU Foam		129														
RPP-FIX B3 Styrofix		131														
RPP-MORTAR B3		131														
R-RPC-0500 Agent for removing uncured polyurethane foams		132														
RPP-GUN-NC Professional gun for expanding foams		132														

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LIGHTWEIGHT FIXINGS

R-CS Timber screws		137									✓				✓	
R-TS Chipboard screws		139									✓					
QCP High Performance screws		140							✓			✓				
WB Self-drilling screws for steel		142							✓			✓				
WX Self-drilling screws for steel		142							✓			✓				
WO Screws for timber and thin steel		143							✓	✓		✓				

DIRECT FASTENING SYSTEMS

R-RAWL-SC40 Gas powered steel and concrete nailer		146	✓									✓		✓		
R-RAWL-WW90CH Gas powered framing nailer		146								✓				✓		
R-RAWL-A2064 Gas powered second fix nailer		147								✓				✓		
R-RAWL-B1664 Gas powered second fix nailer		147								✓				✓		
R-RAWL-GMC38 Gas powered joist hanger nailer		148	✓									✓		✓		
R-KNC, R-KSC plastic collated concrete pins with fuel cells		148	✓								✓					
Brad nails		149								✓				✓		
Paper collated nails with fuel cells		150								✓				✓		
R-RAWL-GP1/ R-RAWL-GP2/ R-RAWL-GP3/ R-RAWL-GP4-2BL		154														
R-AW		155	✓									✓				
R-DFT double metal clip for low voltage fire protection systems		156	✓									✓				
R-FP single plastic clip		156	✓									✓				
R-FPD double plastic clip		157	✓									✓				
R-FT single metal clip for pipe installation		157	✓									✓				
R-PCC Pipe and cable clip		158	✓									✓				
R-PFT single metal clip for low voltage fire protection systems		158	✓									✓				
R-TPC plastic clip for twin and earth cable		159	✓									✓				
R-TPLC plastic clip for twin and earth cable		159	✓									✓				
R-UTC Pipe and cable plastic clip		160	✓									✓				
R-WDC double cable bow		160	✓									✓				
R-WSC single cable bow		161	✓									✓				
R-RAWL-PN-3490 Pneumatic framing nailer		161								✓						
R-RAWL-PRN-45 Pneumatic roofing nailer		162								✓						
R-RAWL-PN-57 Pneumatic coil nailer		162								✓						
R-RAWL-PN-70 Pneumatic coil nailer		163								✓						
R-RAWL-PN-83 Pneumatic coil nailer		163								✓						

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DIRECT FASTENING SYSTEMS

R-RAWL-PN-90 Pneumatic coil nailer		164									✓					
R-RAWL-PNP-130 Pneumatic framing nailer		164								✓						
R-RAWL-PSC40 Pneumatic steel and concrete nailer		165	✓									✓				
R-RAWL-C6 Oil free compressor		165														
R-RAWL-C24 Oil lubricated compressor		166														
R-RAWL-C50 Oil lubricated compressor		166														
R-RAWL-C50-10 Oil lubricated compressor		167														
R-RAWL-C100-P Oil lubricated compressor		167														
R-RAWL-C50 Oil lubricated compressor		168														
Hose reel		168														
Paper collated nails without fuel cells		169								✓						
R-GPG plastic collated nails		171								✓						
SPG-R-KNC, SPG-R-KSC plastic collated pins		172	✓									✓				
R-GDP wire collated nails		173								✓						
R-HDGT-3838 Paper collated joist hanger nails		173								✓						
SP-KSC plastic collated pins		174	✓									✓				
SP-KSC single pins		174	✓									✓				
R-RAWL-RB39 Rebar tier		175														
R-RAWL-RB3908 Rebar tie wire		175														

POWER TOOL ACCESSORIES

RT-MAXA Drill bits Aggressor SDS max		178	✓	✓	✓											✓
RT-MAXH Hollow drill bits Dustlessdrill SDS max		179	✓	✓	✓											✓
RT-MAXA-PC Point chisels SDS max		180	✓	✓	✓											
RT-MAXA-FC Flat chisels SDS max		180	✓	✓	✓											
RT-MAXA-CH Channel chisel SDS max		180	✓	✓	✓											
RT-MAXA-BH Channel chisel SDS max		181	✓	✓	✓											
RT-MAXA-BUSHH Bush hammer SDS max		181	✓	✓	✓											
RT-MAXC Connector SDS max		181														
RT-SDSA Drill bits Aggressor SDS plus		182	✓	✓	✓											✓
RT-SDSA-SET1 Drill bits set Aggressor SDS plus 3 pcs		184	✓	✓	✓											✓
RT-SDSA-SET2 Drill bits set Aggressor SDS plus 5 pcs		185	✓	✓	✓											✓
RT-SDSB Drill bits Brickdrill SDS plus		185				✓										✓
RT-SDSR Drill bits Rebardrill SDS plus		186	✓	✓	✓											✓

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POWER TOOL ACCESSORIES

RT-SDSR-SET1 Drill bits set Rebardrill SDS plus 3 pcs		187	✓	✓	✓											✓
RT-SDSR-SET2 Drill bits set Rebardrill SDS plus 5 pcs		188	✓	✓	✓											✓
RT-SDSF Drill bits Framedrill SDS plus		188	✓	✓	✓											✓
RT-SDSH Hollow drill bits Dustlessdrill SDS plus		189	✓	✓	✓											✓
RT-SDSD Drill bits SDS plus with collar		189	✓	✓	✓											✓
RT-ADAP Expanders SDS plus Roof System		190	✓	✓	✓											
RT-TD Drill bits Roof System		190	✓	✓	✓											
RT-TDR Drill bits Roof System		191	✓	✓	✓											
RT-TDC Drill bits Roof System with collar		191														
RT-SDSA-PC Point chisel SDS plus		192	✓	✓	✓											
RT-SDSA-FC Flat chisels SDS plus		192	✓	✓	✓											
RT-SDSA-CH Channel chisel SDS plus		192	✓	✓	✓											
RT-IMP Masonry drill bits Impactor		193	✓	✓	✓											✓
RT-HSSC HSS Cobalt drill bits		194							✓			✓				
RT-HSSP HSS drill bits		195							✓			✓				
RT-HSSL HSS long drill bits		196							✓			✓				
RT-HSSD Double ended HSS drill bits		197							✓			✓				
RT-AWD Auger bits		198								✓				✓		
RT-FWD Formwork drill bits		198								✓				✓		
RT-PDW Point drill bits		199								✓				✓		
RT-FLWD Flat drill bits		200								✓				✓		
RT-BIT Screwdriver bits		200														
RT-BIT-SET Screwdriver bits set		203														
RT-BIT-ADAP Bit holders		203														
RT-BIT-PH2 Phillips/RT-BIT-TORX25 T25 long screwdriver bits		205														
RT-IS Impact sockets drive		206														
RT-IBIT Impact screwdriver bits		207														
RT-JSB Jigsaw blades for wood		209								✓				✓		
RT-JSB-M Jigsaw blades for steel		211							✓			✓				
RT-JSB Reciprocating saw blades for wood		212								✓				✓		
RT-JSB Reciprocating saw blades for steel		213							✓			✓				
RT-RSB-AB Reciprocating saw blades for cutting aerated concrete		214				✓	✓	✓	✓							
RT-CSBW Circular saw blades for wood cutting		215								✓				✓		
Diamond discs		216	✓	✓	✓	✓										

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Content

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page																

POWER TOOL ACCESSORIES

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RT-HS-SET Hole Saws sets		220							✓	✓		✓		✓		
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RT-GG-080-AU Universal glue gun 80W		231														✓
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POS RAWLPLUG ESSENTIALS

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APPROVED BODY SYMBOLS

	European Technical Approval and European Technical Assessment		Polish Construction Sign (Poland, Warsaw)		FM Approved		Approval of Prüfgemeinschaft Mauerbahrer (PGM)
	CE Marking		Resistance to fire exposure		Earthquake Resistant		



Bonded Anchors

Overview of our range

										
BONDED ANCHOR SYSTEM:		R-KEX II with threaded rods	R-KEX II with ITS	R-KEX II with rebar as an anchor	R-KEX II with post- installed rebar	R-KER II with threaded rods	R-KER II with ITS	R-KER II with rebar as an anchor	R-KER with threaded rods	R-KER with ITS
ANCHOR MATERIAL	5.8 STEEL CLASS, ZINC PLATED	☑	-	-	-	☑	-	-	☑	-
	8.8 STEEL CLASS, ZINC PLATED	☑	-	-	-	☑	-	-	☑	-
	STAINLESS STEEL	☑	-	-	-	☑	-	-	☑	-
	REBAR	-	-	☑	☑	-	-	☑	-	-
	R-ITS	-	☑	-	-	-	☑	-	-	☑
SUBSTRATES	CONCRETE	☑	☑	☑	☑	☑	☑	☑	☑	☑
	CRACKED CONCRETE	☑	-	-	-	☑	-	-	☑	-
	SILICATE BRICK	-	-	-	-	-	-	-	-	-
	SOLID BRICK	-	-	-	-	-	-	-	-	-
	HOLLOW BRICK	-	-	-	-	-	-	-	-	-
	LIGHTWEIGHT CONCRETE BLOCKS	-	-	-	-	-	-	-	-	-
APPROVALS	 	☑ ETAG 001 Option 1	☑ ETAG 001 Option 7	☑ ETAG 001 Option 7	☑ ETAG 001 Option 7	☑ ETAG 001 Option 1	☑ ETAG 001 Option 7	☑ ETAG 001 Option 7	☑ ETAG 001 Option 1	☑ ETAG 001 Option 7
	IBDIM	☑	☑	☑	☑	☑	☑	☑	☑	☑
TENSION LOADS IN kN	[kN]	N_{Rd}	N_{Rd}	N_{Rd}	N_{Rd}	N_{Rd}	N_{Rd}	N_{Rd}	N_{Rd}	N_{Rd}
	10	M8 for 5.8	M6 for 5.8	Ø8 for A-II	Ø8 for A-II	M8 for 5.8	M6 for 5.8	M8 for A-II	M8 for 5.8	M6 for 5.8
	20									
	30									
	40		M16				M16			M16
	50									
	60									
	70									
	80									
	90									
	100									
	110					M30			M30	
	120									
	130							M32		
	140									
	150									
	160									
	170			Ø32	Ø32					
180										
190										
200										
210										
220										
230		M30								

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Overview of our range

BONDED ANCHORS - RESIN TYPES

PURE EPOXY	VINYLESTER HYBRID RESIN	VINYLESTER	POLYESTER STYRENE FREE	POLYESTER
<ul style="list-style-type: none"> • Most suitable for construction, as well as for deep anchorages. • Designed for heavy duty anchorages in cracked and non-cracked concrete • Suitable for use in dry and wet substrates as well as holes and substrates covered with water 	<ul style="list-style-type: none"> • Intended for medium and heavy-duty anchorages. • Approved for use with threaded rods, ITS and rebars in cracked and non-cracked concrete (ETAG001 Option 1, 7) • Suitable for use in dry and wet substrates as well as holes and substrates covered with water (approved for application in flooded sea water) • Excellent chemical resistance (durable for alkaline and sulphurous conditions) 	<ul style="list-style-type: none"> • Most common product for construction • Intended for medium and heavy-duty anchorages in cracked and non-cracked concrete • Suitable for use in low temperatures (down to -20° for winter option) enables use throughout the year • Suitable for use in dry and wet substrates as well as holes and substrates covered with water 	<ul style="list-style-type: none"> • The most contemporary general use bonded anchor • Intended for medium duty fixings in 15 types of substrate. • Low odour suitable for indoor applications • Product with wide spectrum of use in the medium load capacity area 	<ul style="list-style-type: none"> • Recommended for outdoor applications • Suitable for medium duty fixings in non-cracked concrete

BONDED ANCHORS ARE OFFERED IN A WIDE RANGE OF SYSTEMS:

GLASS CAPSULES	CARTRIDGES	FOILS
<p>Glass capsules containing both the resin and hardener, which mix and set after the stud or socket is driven in to the hole.</p>	<p>Tubular plastic cartridges containing resin. Various formats depending on resin components, which are kept separate within cartridge until delivered via mixer nozzle.</p> <ul style="list-style-type: none"> ▪ Foil cartridge system CHUBAPAC ▪ coaxial cartridge system COX ▪ cartridge system side by side SBS 	<p>CFS+ (Cartridge Free System) Innovative resin dispensing system with unique packaging solution, which reduces overall waste. Resin components contained separately within foil until delivered via mixer nozzle.</p>

FEATURES & BENEFITS OF DELIVERY SYSTEMS:

<ul style="list-style-type: none"> ▪ Quick and easy to install ▪ Only solid substrates ▪ Minimal packaging waste - Whole capsule installed in hole ▪ No waste resin ▪ No special tools required ▪ No time limitations - resin only begins to set after stud, rod or rebar is inserted 	<ul style="list-style-type: none"> ▪ For all substrates, including deep anchorages ▪ Many applications from one cartridge ▪ Ability to resume use after stoppages ▪ Small cartridges are compatible with standard, low-cost silicone guns ▪ Simple to store and transport 	<ul style="list-style-type: none"> ▪ For all substrates, including deep anchorages ▪ Easy to dispense ▪ Less waste - Recyclable packaging ▪ The cost-effective solution for many customers
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RESIN PRODUCTS AVAILABLE IN EACH SYSTEM:

VINYLESTER: R-HAC-V, R-CAS-V	PURE EPOXY: R-KEX II VINYLESTER R-KER II HYBRID RESIN VINYLESTER: R-KER POLYESTER: R-KEM II	POLYESTER: RM50, RP30 VINYLESTER: RV200
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BONDED ANCHORS - ACCESSORIES

STUDS & SOCKETS (ITS)	HOLE BRUSHES	DISPENSERS & HOLEPUMP

Resin consumption for bonded anchors

Cartridge size	Stud diameter	d	[mm]	M8	M10	M12	M16	M20	M24	M30
	Hole diameter in substrate	d _o	[mm]	10	12	14	18	24	28	35
175ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			42	28	19	11	4.7	3.2	1.8
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			32	22	14	9	3.4	4	2.1
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			26	17	11	6	2.4	1.6	0.8	
280 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			73	49	34	19	8.3	5.6	3.1
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			57	39	26	16	6.0	3.8	2.2
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			46	30	20	10	4.3	2.8	1.5	
300 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			79	53	37	21	9.0	6.0	3.4
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			61	42	28	17	6.5	4.1	2.4
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			50	32	21	11	4.6	3.0	1.6	
310 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			82	55	38	22	9.3	6.3	3.5
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			64	44	29	18	6.7	4.3	2.4
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			52	33	22	12	4.8	3.1	1.6	
345 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			93	62	43	24	10.5	7.1	4.0
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			72	49	32	20	7.6	4.8	2.8
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			59	38	25	13	5.4	3.5	1.9	
380 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			104	69	48	27	11.7	7.9	4.4
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			80	55	36	22	8.4	5.4	3.1
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			65	42	28	15	6.1	3.9	2.1	
385 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			105	70	49	28	11.8	8.0	4.5
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			81	56	37	22	8.5	5.4	3.1
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			66	43	28	15	6.1	4.0	2.1	
400 ml	Reduced Embedment	h _{nom}	[mm]	60	70	80	100	120	140	165
	Quantity of anchored studs			110	73	51.4	29.4	12.4	8.4	4.7
	Standard Embedment	h _{nom}	[mm]	80	90	110	125	170	210	240
	Quantity of anchored studs			85	58	38.8	23	8.9	5.7	3.2
	Maximum Embedment	h _{nom}	[mm]	100	120	145	190	240	290	360
Quantity of anchored studs			69	45	29.4	25.7	6.4	4.2	2.2	

Bonded Anchors

1

choose the
system of
bonded anchor

2

choose the
gun right for
the system

3

choose
drill-bits

4

complete
all
accessories

STEP 1

STEP 2

STEP 3

STEP 4



R-KEX II Pure epoxy resin

Pure epoxy resin 3:1 approved for use in cracked and non-cracked concrete



Installation
guide movie



Features and benefits

- Approved for cracked and non-cracked concrete with Threaded Rods
- Approved for non-cracked concrete in application with Sockets
- Approved for non-cracked concrete in application with Rebar as on Anchor
- Approved for for non-cracked concrete in application with Post-installed Rebar
- Suitable for variable embedment, recommended for deep anchorage
- Very high chemical resistance
- Can be used in damp condition and underwater applications
- High performance especially rebar/starter bar applications

Approvals and Reports

- ETA-13/0455
- ETA-13/0454
- ETA-13/0585



Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Applications

- Ideal for anchoring threaded rods and internally threaded sockets
- Safety barriers
- Temporary works/formworks support systems
- Curtain walling
- Racking systems
- Balustrading
- Barriers
- Cladding restraints
- Masonry support
- Machinery
- Platforms
- Steelwork

Setting times

Base Material Temperature	Working Time	Curing Time
°C	min	min
5	150	2880
10	120	1080
20	35	480
30	12	300

R-KEX II with Threaded Rods



R-KEX II with Rebar as an Anchor/ with Post-Installed Rebar



R-KEX II with Sockets



Rawplug code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Barcode
				Box pcs	Outer pcs	Pallet pcs	
R-KEX-II-385	385	R-GUN-385-P	1	10	10	380	
R-KEX-II-600	600	R-GUN-600-P	1	7	7	441	

R-KER II HYBRID RESIN



WIDE ARRAY OF ADVANTAGES



HIGH PERFORMANCE

- Cracked and non-cracked concrete
- Dry, wet, flooded by water (including sea water)



PERMANENT ANCHORING

- High exploitation temperature (up to +120C)
- High performance in concrete
- Very high chemical resistance



YIELD GUARANTEE

- Rapid bonding time enables quick execution of works
- Very high load capacity
- Suitable for multiple use. Partly used product can be reused after fitting new nozzle



COMFORTABLE WORK

- Homogenous consistency to facilitate application
- Dedicated nozzle for mixing two components



WIDE CERTIFICATE

- ETA
- WRAS
- C1 seismic action category
- F240 fire resistance classification
- Electrical conductivity



R-KER II Hybrid resin

High resistance vinylester hybrid resin approved for use in cracked and non-cracked concrete



Features and benefits

- Approved for use with threaded rods for use in cracked and non-cracked concrete (ETAG001 Option 1)
- Suitable for use in low temperatures (down to -20°C for winter option) enables use throughout the year
- Winter version can be used in warmer temperatures for faster curing
- Suitable for use in dry and wet substrates as well as holes and substrates covered with water
- Rapid bonding time enables quick execution of works
- Very high load capacity
- Anchor does not generate tensions in the substrate which enables R-KER to be specified where closer edge and spacing distances are required
- Suitable for multiple use. Partly used product can be reused after fitting new nozzle

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Applications

- Curtain walling
- Balustrading
- Handrails
- Canopies
- Cable conduits and trays
- Pipework/ductwork supports
- Platforms
- Pipelines systems
- Passenger lifts
- Fencing & gates manufacturing and installation

Approvals and Reports

- ETA - Pending
- Fire Test - Pending



Setting times

Base Material Temperature	Working Time	Curing Time
°C	min	min
-5	24h	40
0	3h	30
5	90	15
10	60	8
15	60	5
20	45	2.5
25	45	2
30	30	2
35	30	1.5
40	30	1.5



R-KER-II with Threaded Rods



R-KER-II with Rebar as an Anchor/ with Post-Installed Rebar



R-KER-II with Sockets



Rawlplug code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Packaging type	Barcode
				Box pcs	Outer pcs	Pallet pcs		
R-KER-II-345	345	R-GUN-345-N	1	12	12	1008	box	
R-KER-II-400	400	R-GUN-380-N	1	10	10	560	box	

R-KER Vinylester resin

High performance vinylester resin approved for use in cracked and non-cracked concrete



Features and benefits

- Approved for cracked and non-cracked concrete with Threaded Rods
- Approved for non-cracked concrete with Sockets
- Approved for non-cracked concrete with Post-Installed Rebar
- High performance in non-cracked concrete
- Expansion-free anchoring allows smaller spacing and edge distances
- Wide range of applications in the medium load range
- Available in standard and winter version. Winter version will cure at down to -20°C and, in other ambient temperatures, has the advantage of being rapid cure resin

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Applications

- Curtain walling
- Balustrading
- Handrails
- Canopies
- Large panel reinforcing system -Copy Eco
- Cable conduits and trays
- Fencing & gates
- Pipework/ductwork supports
- Platforms
- Pipelines systems
- Passenger lifts

Approvals and Reports

- ETA-10/0055
- ETA-13/0805
- ETA-12/0319



Setting times

Base Material Temperature	Working Time (min)		Curing Time (min)*		
	°C	R-KER	R-KERW	R-KER	R-KERW
-20	-	100	-	1440	
-15	-	60	-	960	
-10	-	30	-	480	
-5	60	16	360	240	
0	40	12	180	120	
5	20	8	120	60	
10	12	5	80	45	
15	8	3	60	30	
20	5	2	45	10	
25	3	-	30	-	
30	2	-	20	-	
40	0.5	-	10	-	



Installation guide movie



R-KER with Threaded Rods



R-KER with Rebar as an Anchor/ with Post-Installed Rebar



R-KER with Sockets



Rawlplug code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Barcode
				Box pcs	Outer pcs	Pallet pcs	
R-KER-345	345	R-GUN-345-N	1	10	50	840	
R-KER-400	400	R-GUN-380-N	1	10	10	560	
R-KER-400W	400	R-GUN-380-N	1	10	10	560	
R-KEV-380	380	R-GUN-380-N	1	12			

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R-KEM II Styrene free polyester resin

Universal polyester styrene free resin. Suitable for use in non-cracked concrete and wide range of solid or hollow masonry structures. ETA for 15 substrates



Features and benefits

- Wide range of applications in the medium load range
- Ideal for applications where conventional expansion anchors are not appropriate
- Can be used with standard silicone dispenser
- Suitable for repetitive use. Partly used product can be reused fitting a new mixing nozzle

Applications

- Staircases
- Gates
- High racks
- Canopies
- Sanitary appliances
- Steel constructions
- Window elements
- Railings
- Handrails
- Consoles
- Ladders
- Cable trays

Approvals and Reports

- ETA-12/0394
- ETA-12/0528



Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Solid Concrete Block
- Hollow-core Slab
- Solid Brick
- Solid Sand-lime Brick
- Hollow Sand-lime Brick
- Hollow Brick
- Vertically-perforated clay block
- Hollow Lightweight Concrete Block

Also suitable for use in:

- Natural Stone

Setting times

Base Material Temperature	Working Time	Curing Time
	min	min
-5 °C	70	460
0	45	240
5	25	120
10	15	90
15	9	60
20	5	45
30	2	30



Installation guide movie



R-KEM II with Threaded Rods for concrete



R-KEM II with Threaded Rods for masonry



Rawplug code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Barcode
				Box pcs	Outer pcs	Pallet pcs	
R-KEM-II-175	175	R-GUN-300-N	1	10	50	600	
R-KEM-II-300	300	R-GUN-300-N	1	10	10	840	
R-KEM-II-300W	300	R-GUN-300-N	1	10	50	600	
R-KEM-II-380	380	R-GUN-380-N	1	10	10	560	
R-KEM-II-410	410	R-GUN-380-N	1	10	10	560	
R-KEM-II-175-SET	175	R-GUN-300-N	1	5	-	525	
R-KEM-II-300-SET	300	R-GUN-300-N	1	5	-	320	

R-KF2 Polyester resin

Polyester, general purpose resin, suitable for use in non-cracked concrete, with relatively short curing time



Features and benefits

- Economical resin for medium duty load applications
- Can be used in damp condition and underwater applications
- Wide range of steel studs with different lengths and diameters
- Small edge and space distances
- Suitable for repetitive use. Partly used product can be reused fitting a new mixing nozzle

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Applications

- Guard rails
- Handrails
- Canopies
- Masonry support
- Balustrading
- Cable trays
- Fencing & gates
- Plasterboard

Approvals and Reports

- ETA-11/0141



Setting times

Base Material Temperature	Working Time	Curing Time
°C	min	min
-5	60	360
0	40	180
5	20	120
10	12	80
15	8	60
20	5	45
30	2	20



R-KF2 with Threaded Rods for concrete



Rawlplug code	Ireland code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Barcode
					Box pcs	Outer pcs	Pallet pcs	
R-KF2-345		345	R-GUN-345-N	1	10	40	480	
R-KF2-380	RKR0200UK	380	R-GUN-380-N	1	10	40	480	5010445602009
R-KF2-400		400	R-GUN-380-N	1	10	40	480	

R-KEA Epoxy acrylate resin

High performance, high quality epoxy acrylate/vinyl ester resin



Features and benefits

- Standards: conforms to European standards
- Easy to extrude
- Ideal for use in damp & corrosive conditions
- Short working & curing times
- Ideal for close to the edge spacing

Base materials

Suitable for use in:

- concrete

Applications

- Starter bars
- Barriers in marine environment
- Safety barriers
- Signage

Approvals and Reports



Setting times

Base Material Temperature	Working Time	Curing Time
°C	min	min
30	3	20
25	5	30
15	10	60
5	20	120

Stud information

Size (d×l)	Recommended torque (T _{inst})	Approximate no of holes per cartridge 380 ml
	Concrete	
mm	Nm	
M8×110	11	84
M10×130	22	61
M12×160	38	42
M16×190	95	28
M20×260	150	7



R-KEA with Threaded Rods for concrete



Rawplug code	Ireland code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Barcode
					Box pcs	Outer pcs	Pallet pcs	
	ACA0852UK	380		1	10			5010445608520

R-KEM+ Polyester styrene-free resin

High performance polyester styrene free resin



Features and benefits

- Wide range of applications in the medium load range
- Effortless extrusion due to patented self-opening system with manual or pneumatic dispenser guns
- Several embedment depths possible
- Suitable for repetitive use. Partly used product can be reused by fitting a new mixing nozzle
- Suitable for water filled holes, except sea water

Approvals and Reports

- ETA-12/0394
- ETA-12/0528



Base materials

Approved for use in:

- Hollow Sand-lime Brick
- Solid Brick
- Solid Sand-lime Brick
- Hollow Brick
- Hollow Lightweight Concrete Block
- Aerated Concrete Block

Applications

- Staircases
- Gates
- Window elements
- High racking
- Canopies
- Sanitary appliances
- Steel constructions
- Railings
- Handrails
- Consoles
- Ladders
- Cable trays

Stud information

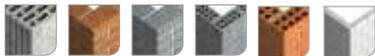
Size (d×l) mm	Recommended torque (T _{inst}) Nm		Approximate no of holes per cartridge 380 ml
	Concrete	Brickwork	
M8×110	11	2	66
M10×130	22	6	48
M12×160	38	11	33
M16×190	95	24	22
M20×260	150		6
M24×295	200		5

Setting times

Base Material Temperature °C	Working Time min	Curing Time min
30	3	25
20	7	50
10	22	90
5	30	200



Installation guide movie



R-KEM+ with Threaded Rods for masonry



Rawlplug code	Ireland code	Volume ml	Recommended gun	Selling unit pcs	Quantity			Barcode
					Box pcs	Outer pcs	Pallet pcs	
	ACA0271	300			10			5010445602719

RV200 Vinylester resin (CFS+ system)

High performance vinylester resin, nozzles and adapters. Suitable for cracked and non-cracked concrete and other solid masonry materials



Approvals and Reports

- ETA-10/0055
- ETA-12/0319
- ETA-13/0805



Features and benefits

- Approved for cracked concrete with Threaded Rods
- Approved for non-cracked concrete with Sockets
- Approved for non-cracked concrete with Post-Installed Rebar
- High performance in non-cracked concrete
- Expansion-free anchoring allows smaller spacing and edge distances
- Wide range of applications in the medium load range
- Available in standard and winter version. Winter version will cure at down to -20°C and, in other ambient temperatures, has the advantage of being rapid cure resin
- Each box contains 4x 300ml foils of resin 4x adapters and 4x nozzles to fit R-CFS-GUN

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- High-Density Natural Stone
- Natural Stone
- Solid Brick
- Solid Concrete Block
- Solid Sand-lime Brick
- Reinforced concrete

Applications

- Curtain walling
- Balustrading
- Handrails
- Canopies
- Cable trays
- Formwork supports
- Heavy machinery
- Lighting columns
- Machinery
- Public seating
- Large panel reinforcing system -Copy Eco



Installation guide movie



Setting times

Base Material Temperature °C	Working Time (min)		Curing Time (min)*	
	R-CFS+ RV200-4	R-CFS+ RV200W-4	R-CFS+ RV200-4	R-CFS+ RV200W-4
-20	-	100	-	1440
-15	-	60	-	960
-10	-	30	-	480
-5	60	16	360	240
0	40	12	180	120
5	20	8	120	60
10	12	5	80	45
15	8	3	60	30
20	5	2	45	10
25	3	-	30	-
30	2	-	20	-
40	0.5	-	10	-

RV200 with Threaded Rods



RV200 with Rebar as an Anchor/ with Post-Installed Rebar



RV200 with Sockets



Rawplug code	Volume in 1 foil capsules	Recommended gun	Box	Quantity				Barcode
				Box	Amount in box	Outer	Pallet	
	ml			pcs				
R-CFS+RV200-4	300	R-CFS+GUN	4 x 300ml foil capsules	1	4	12	96	
R-CFS+RV200-600-8	600	R-CFS+GUN-600	8 x 600ml foil capsules	1	8	8	36	
R-CFS+RV200W-4	300	R-CFS+GUN	4 x 300ml foil capsules	1	4	12	96	
R-CFS+RV200-4-FSTCUR	300	R-CFS+GUN	4 x 300ml foil capsules	1	4	-	-	

RM50 Styrene free polyester resin (CFS+ system)

Universal polyester styrene free resin, foils, nozzles and adapters. Suitable for solid and hollow substrates



Approvals and Reports

- ETA-13/0394
- ETA-13/0528



Features and benefits

- Wide range of applications in the medium load range
- Ideal for applications where conventional expansion anchors are not appropriate
- Easy pumping thanks to patented self opening system and manual or pneumatic dispensers
- Can be used with standard silicone dispenser
- Suitable for repetitive use. Partly used product can be reused fitting a new mixing nozzle
- Each box contains 4x 300ml foils of resin
4x adapters and 4x nozzles to fit R-CFS-GUN

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone

Applications

- Balustrading
- Handrails
- Canopies
- Curtain walling

Setting times

Base Material Temperature °C	Working Time	Curing Time
	min	min
-5	70	480
0	45	240
5	25	120
10	15	90
15	9	60
20	5	45
30	2	30



RM50 with Threaded Rods for concrete



RM50 with Threaded Rods for masonry



Rawlplug code	Volume in 1 foil capsules ml	Recommended gun	Box	Quantity				Barcode
				Box	Amount in box	Outer	Pallet	
				pcs				
R-CFS+RM50-4	300	R-CFS+GUN	4 x 300ml foil capsules	1	4	12	96	
R-CFS+RM50-600-8	600	R-CFSGUN-600	8 x 600ml foil capsules	1	8	8	36	

RP30 (CFS+) Polyester resin

Economy polyester resin approved for use in non-cracked concrete - Cartridge Free System (CFS+)



Approvals and Reports

- ETA-11/0141



Features and benefits

- Effortless extrusion due to patented self-opening system with manual or pneumatic dispenser guns
- Medium load capacity in non-cracked concrete
- Can be used in damp condition and underwater applications
- Wide range of steel studs with different lengths and diameters
- Small edge and spacing distances
- Suitable for repetitive and frequent use. Partly-used product can be reused after a break after fitting a new mixing nozzle.
- Each box contains 4x 300ml foils of resin
4x adapters and 4x nozzles to fit R-CFS-GUN

Applications

- Fixing into tarmac
- Cable trays
- Handrails
- Fencing & gates
- Pipework

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone
- Solid Concrete Block
- Solid Brick

Setting times

Base Material Temperature	Working Time	Curing Time
°C	min	min
-5	60	360
0	40	180
5	20	120
10	12	80
15	8	60
20	5	45
30	2	20



RP30 with Threaded Rods



Rawplug code	Volume in 1 foil capsules ml	Recommended gun	Box	Quantity				Barcode
				Box	Amount in box	Outer	Pallet	
				pcs				
R-CFS+RP30-4	300	R-CFS+GUN	4 x 300ml foil capsules	1	4	12	96	
R-CFS+RP30-600-8	600	R-CFS+GUN-600	8 x 600ml foil capsules	1	8	8	36	

R-CAS-V Spin-In capsule with threaded rods

R-CAS-V vinylester capsule resin for concrete



Approvals and Reports

- ETA-10/0108



Features and benefits

- High performance for use safety critical application - heavy-duty fastenings with small spacing and edge distances
- The system relies on the adhesion between the concrete and resin, which is free from expansion forces. This makes it an ideal choice where close edge and spacing distances
- Capsule contains exact amounts of ingredients making it a very consistent product
- Suitable for making fixings underwater. Adhesive strength is not affected by unpolluted water
- Suitable for dry or wet non-cracked concrete

Applications

- Threaded rods
- Balustrading
- Railings
- Heavy machinery
- Structural steel
- Steel columns
- Cladding restraints
- Curtain walling
- Fencing & gates
- Formwork supports
- Garage doors
- Guard rails

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone

Setting times

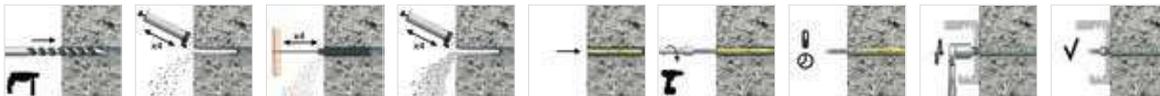
Base Material Temperature	Working Time	Curing Time
°C	min	min
-5	-	480
0	-	240
5	-	150
10	-	120
15	-	90
20	-	45
30	-	20
40	-	10



Installation guide movie



R-CAS-V Spin-In Capsule with Threaded Rods



Rawlplug code	Ireland code	Capsule		Drill size	Selling unit	Quantity			Barcode
		Diameter	Length			Box	Outer	Pallet	
			mm	mm	pcs	pcs	pcs	pcs	
R-CAS-V-08	ACA0428	M8	80	10	1	10	480	5760	5010445604287
R-CAS-V-10	ACA0430	M10	80	12	1	10	480	5760	5010445604300
R-CAS-V-12	ACA0432	M12	95	14	1	10	480	5760	5010445604324
R-CAS-V-16	ACA0436	M16	95	18	1	10	480	5760	5010445604362
R-CAS-V-20	ACA0440	M20	175	24	1	6	108	1296	5010445604409
R-CAS-V-24	ACA0444	M24	210	28	1	6	108	1296	5010445604447
R-CAS-V-30		M30		35	1	2	32	384	

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R-HAC-V Hammer-In capsule

R-HAC-V vinyl ester capsule resin for non-cracked concrete



Approvals and Reports

- ETA-11/0002



Features and benefits

- High performance anchor, for use in safety critical applications
- Can be used with Studs or Rebar
- The system relies on the adhesion between concrete and resin, which is free from expansion forces. This makes it an ideal choice where close edge and spacing distances are required
- Capsule contains exact amounts of ingredients making it a very consistent product
- Adhesive bond strength is not affected by unpolluted water
- Suitable for dry or wet non-cracked concrete

Applications

- Balustrading & handrails
- Cable trays
- Guard rails
- Machinery
- Threaded rods
- Cladding restraints
- Curtain walling
- Fencing & gates
- Reinforcement bars

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone

Setting times

Base Material Temperature	Working Time	Curing Time
°C	min	min
-5	-	1440
0	-	840
5	-	240
10	-	180
15	-	90
20	-	45
30	-	20
40	-	10



Installation guide movie



R-HAC-V Hammer-In with Threaded Rods



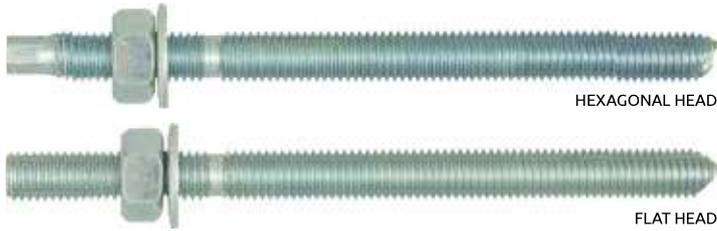
R-HAC-V Hammer-In with Rebar



Rawlplug code	Ireland code	Capsule length	Threaded Rod		Rebar		Selling unit	Quantity			Barcode
			Size	Drill diameter	Size	Drill diameter		Box	Outer	Pallet	
				mm		mm					
R-HAC-V-08			M8	10	8	10	1	10	480	5760	
R-HAC-V-10	HAC0601UK	85	M10	12	10	14	1	10	480	5760	5010445606014
R-HAC-V-12	HAC0602UK	95	M12	14	12	16	1	10	480	5760	5010445606021
R-HAC-V-16	HAC0603UK	95	M16	18	14	18	1	10	480	5760	5010445606038
R-HAC-V-20	HAC0604UK	140	M20	24	16	22	1	6	108	1296	5010445606045
R-HAC-V-24	HAC0605UK	215	M24	28	20	26	1	6	108	1296	5010445606052
R-HAC-V-30	HAC0606UK	270	M30	35	25	35	1	2	32	384	5010445606069

R-STUDS Metric threaded rods

Threaded rod with hexagonal head made of carbon steel class 5.8 for use with bonded anchors

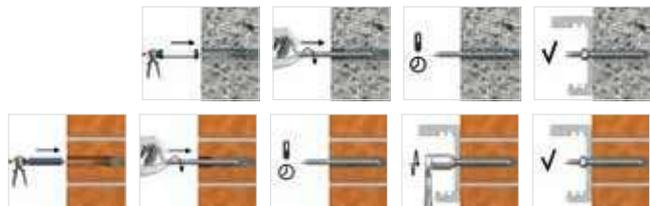


Features and benefits

- High load-bearing capacities when used with Rawlplug high-performance bonded anchor resins
- Hexagonal head for convenient use with torque wrench
- Flat head for quick manual installation
- A4 stainless steel version for use outdoors and in damp conditions
- Class 8.8 carbon steel version offers improved load-bearing capacities (relative to standard carbon steel)
- Version carbon steel class 8.8 is suitable for outdoor use and in damp conditions

Applications

- Balustrading & handrails
- Supports
- Barriers
- Racking systems
- Consoles
- Railings
- Window elements
- Scaffolding
- Machinery
- Copy-eco systems
- Facades
- Cable trays
- Curtain walling
- Formwork supports
- Heavy machinery
- Lamps
- Safety barriers
- Road Signs
- Railings
- Public seating



Size	Rawlplug code	Ireland code	Anchor		Selling unit pcs	Quantity [pcs]			Barcode
			Diameter [mm]	Length [mm]		Box	Outer	Pallet	
R-STUDS Metric Threaded Rods - Steel Class 5.8 with Hexagonal Head									
M8	R-STUDS-08110	ACA0708	8	110	1	10	10	4200	5010445607080
	R-STUDS-08160		8	160	1	10	10	4200	
M10	R-STUDS-10130	ACA0710	10	130	1	10	300	9000	5010445607103
	R-STUDS-10170		10	170	1	10	10	4200	
	R-STUDS-10190		10	190	1	10	250	9000	
M12	R-STUDS-12160	ACA0712	12	160	1	10	120	5400	5010445607127
	R-STUDS-12190		12	190	1	10	120	5760	
	R-STUDS-12220		12	220	1	10	120	5760	
	R-STUDS-12260		12	260	1	10	90	4200	
	R-STUDS-12300		12	300	1	5	125	4500	
M16	R-STUDS-16190	ACA0716	16	190	1	10	60	3600	5010445607165
	R-STUDS-16220		16	220	1	10	60	2880	
	R-STUDS-16260		16	260	1	10	60	1920	
	R-STUDS-16300		16	300	1	5	5	270	
	R-STUDS-16380		16	380	1	1	40	1300	
M20	R-STUDS-20260	ACA0720	20	260	1	5	40	1600	5010445607202
	R-STUDS-20300		20	300	1	5	5	870	
M24	R-STUDS-24300		24	300	1	2	12	1000	
M30	R-STUDS-30380		30	380	1	2	2	500	
R-STUDS Metric Threaded Rods - Steel Class 5.8 with Flat Head									
M8	R-STUDS-08110-FL		8	110	1	10	10	5040	
	R-STUDS-08160-FL		8	160	1	10	10	2030	
M10	R-STUDS-10130-FL		10	130	1	10	250	5040	
	R-STUDS-10170-FL		10	170	1	10	10	3780	

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R-STUDS Metric threaded rods (cont.)

Size	Rawlplug code	Ireland code	Anchor		Selling unit pcs	Quantity [pcs]			Barcode
			Diameter [mm]	Length [mm]		Box	Outer	Pallet	
R-STUDS Metric Threaded Rods - Steel Class 5.8 with Flat Head									
M12	R-STUDS-12160-FL		12	160	1	10	100	7200	
	R-STUDS-12190-FL		12	190	1	10	120	1000	
	R-STUDS-12220-FL		12	220	1	10	120	3200	
	R-STUDS-12260-FL		12	260	1	10	10	1100	
M16	R-STUDS-16190-FL		16	190	1	10	60	3840	
	R-STUDS-16220-FL		16	220	1	10	10	1920	
	R-STUDS-16260-FL		16	260	1	10	10	1920	
M20	R-STUDS-20260-FL		20	260	1	6	36	1728	
	R-STUDS-20300-FL		20	300	1	5	30	270	
	R-STUDS-20350-FL		20	350	1	10	10	960	
M24	R-STUDS-24300-FL		24	300	1	1	1	770	
M30	R-STUDS-30380-FL		30	380	1	1	1	500	
R-STUDS Metric Threaded Rods - Steel Class 8.8 with Hexagonal Head									
M8	R-STUDS-08110-88		8	110	1	10	10	5040	
	R-STUDS-08130-88		8	130	1	10	250	5040	
M10	R-STUDS-10130-88		10	130	1	10	250	5040	
	R-STUDS-10190-88		10	190	1	10	120	-	
M12	R-STUDS-12160-88		12	160	1	10	120	-	
M16	R-STUDS-16190-88		16	190	1	10	60	-	
	R-STUDS-16220-88		16	220	1	10	60	-	
M20	R-STUDS-20260-88		20	260	1	5	40	-	
	R-STUDS-20300-88		20	300	1	5	40	-	
M24	R-STUDS-24300-88		24	300	1	2	2	-	
M30	R-STUDS-30380-88		30	380	1	1	50	-	
R-STUDS Metric Threaded Rods - A4 with Hexagonal Head									
M8	R-STUDS-08110-A4		8	110	1	10	10	4200	
	R-STUDS-08160-A4		8	160	1	10	10	4200	
M10	R-STUDS-10130-A4		10	130	1	10	10	900	
	R-STUDS-10170-A4		10	170	1	10	10	900	
	R-STUDS-10190-A4		10	190	1	10	10	900	
M12	R-STUDS-12160-A4		12	160	1	10	120	5760	
	R-STUDS-12190-A4		12	190	1	10	10	5760	
	R-STUDS-12220-A4		12	220	1	10	10	5760	
	R-STUDS-12260-A4		12	260	1	10	10	5760	
	R-STUDS-12300-A4		12	300	1	10	10	5760	
M16	R-STUDS-16190-A4		16	190	1	10	10	4200	
	R-STUDS-16220-A4		16	220	1	10	10	4200	
	R-STUDS-16260-A4		16	260	1	10	60	1920	
	R-STUDS-16300-A4		16	300	1	10	60	1920	
	R-STUDS-16380-A4		16	380	1	10	60	1920	
M20	R-STUDS-20260-A4		20	260	1	5	5	1584	
	R-STUDS-20300-A4		20	300	1	2	2	1584	
	R-STUDS-20350-A4		20	350	1	2	2	1584	
M24	R-STUDS-24300-A4		24	300	1	1	1	1000	
M30	R-STUDS-30380-A4		30	380	1	1	4	500	

R-STUDS Metric threaded rods (cont.)

Size	Rawplug code	Ireland code	Anchor		Selling unit	Quantity [pcs]			Barcode
			Diameter [mm]	Length [mm]		pcs	Box	Outer	
R-STUDS Metric Threaded Rods - A4 Stainless Steel with Flat Head									
M8	R-STUDS-08110-A4FL		8	110	1	10	10	4200	
M10	R-STUDS-10130-A4FL	●	10	130	1	10	10	9600	●
	R-STUDS-10170-A4FL		10	170	1	10	10	5300	
M12	R-STUDS-12160-A4FL	●	12	160	1	10	120	1800	●
	R-STUDS-12190-A4FL		12	190	1	10	10	5760	
	R-STUDS-12220-A4FL		12	220	1				
M16	R-STUDS-16190-A4FL		16	190	1	10	10	960	
	R-STUDS-16220-A4FL		16	260	1	10	10	1920	
M24	R-STUDS-20260-A4FL		24	300	1	10	10	100	
M30	R-STUDS-24300-A4FL		30	380	1	2	2	770	
R-STUDS Metric Threaded Rods - Zinc Flake Steel Class 8.8 with Hexagonal Head									
M8	R-STUDS-08110-ZF		8	110	1	10	10	4200	
	R-STUDS-08160-ZF		8	160	1	10	10	4200	
M10	R-STUDS-10130-ZF		10	130	1	10	250	9000	
	R-STUDS-10170-ZF		10	170	1	10	10	4200	
	R-STUDS-10190-ZF		10	190	1	10	10	4200	
M12	R-STUDS-12160-ZF		12	160	1	10	120	1800	
	R-STUDS-12190-ZF		12	190	1	10	120	5760	
	R-STUDS-12220-ZF		12	220	1	10	120	5760	
M16	R-STUDS-16190-ZF		16	190	1	10	60	3600	
	R-STUDS-16220-ZF		16	220	1	10	60	2880	
	R-STUDS-16260-ZF		16	260	1	10	60	1920	
M20	R-STUDS-20260-ZF		20	240	1	5	40	1584	
	R-STUDS-20300-ZF		20	300	1	5	5	870	
M24	R-STUDS-24300-ZF		24	300	1	1	1	1000	
M30	R-STUDS-30380-ZF		30	380	1	1	1	500	
R-STUDS Metric Threaded Rods - Hot Deep Galvanized Steel Class 8.8 with Hexagonal Head									
M8	R-STUDS-08110-HDG		8	110	1	10	10	4200	
	R-STUDS-08160-HDG		8	160	1	10	10	4200	
M10	R-STUDS-10130-HDG		10	130	1	10	250	9000	
	R-STUDS-10170-HDG		10	170	1	10	10	4200	
	R-STUDS-10190-HDG		10	190	1	10	10	4200	
M12	R-STUDS-12160-HDG		12	160	1	10	120	1800	
	R-STUDS-12190-HDG		12	190	1	10	120	5760	
	R-STUDS-12220-HDG		12	220	1	10	120	5760	
M16	R-STUDS-16190-HDG		16	190	1	10	60	3600	
	R-STUDS-16220-HDG		16	220	1	10	60	2880	
	R-STUDS-16260-HDG		16	260	1	10	60	1920	
M20	R-STUDS-20240-HDG		20	240	1	5	40	1584	
	R-STUDS-20300-HDG		20	300	1	5	5	870	
M24	R-STUDS-24300-HDG		24	300	1	1	1	1000	
M30	R-STUDS-30380-HDG		30	380	1	1	1	500	

For impact socket drives dedicated to threaded rods with hexagonal heads please refer to page

RT-IS Impact sockets drive 1/4" (details - page 204)

Impact sockets designed to overcome the high torsional forces



R-ITS Internally threaded sockets

Internally threaded socket anchor, designed for use with bonded anchors



Features and benefits

- Allows removal of bolt to leave a re-usable socket in place
- High load-bearing capacity
- Close edge and spacing distances
- Expansion free functioning
- Available in zinc plated and A2 stainless steel (A4 available to order)

Applications

- For fastening of threaded rods or bolts
- Safety barriers
- Temporary works/formworks support systems

Base materials

Approved for use in:

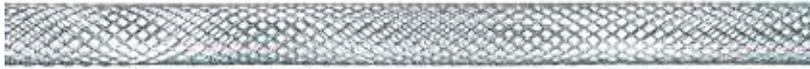
- Non-cracked concrete C20/25-C50/60



Rawlplug code	Ireland code	Anchor	Selling unit	Quantity			Barcode
		Length		Box	Outer	Pallet	
		mm		pcs	pcs	pcs	
R-ITS-Z Internally Threaded Sockets							
R-ITS-Z-06075		75	1	10	10	3780	
R-ITS-Z-08075		75	1	10	10	3780	
R-ITS-Z-08090		90	1	10	10	3780	
R-ITS-Z-10075		75	1	10	10	3780	
R-ITS-Z-10100		100	1	10	10	4200	
R-ITS-Z-12100		100	1	6	6	2400	
R-ITS-Z-16125		125	1	6	6	2400	
R-ITS-A2 Internally Threaded Sockets - Stainless Steel							
R-ITS-A2-06075		75	1	10	10	3780	
R-ITS-A2-08075		75	1	10	10	3780	
R-ITS-A2-08090		90	1	10	10	3780	
R-ITS-A2-10075		75	1	10	10	3780	
R-ITS-A2-10100		100	1	10	10	4200	
R-ITS-A2-12100		100	1	6	6	2400	
R-ITS-A2-16125		125	1	6	6	2400	

Wire mesh sleeves

Metal, zinc-plated mesh sleeve for use with bonded anchors in hollow substrates and concrete



SP-CE

Features and benefits

- Reduces consumption of resin and holds threaded rod in position
- Optimal mechanical interlock
- Dedicated for deep anchorage
- Available in 1M lengths (SP-CE) or pre-formed sizes (R-MS)



Applications

- For use with R-STUDS threaded rods.

Base materials

Approved for use in:

- Concrete C12/15-C50/60
- Hollow Brick
- Hollow-core Slab
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick



Rawplug code	Sleeve size mm	Stud size	Selling unit pcs	Quantity			Barcode
				Box pcs	Outer pcs	Pallet pcs	
SP-CE-R08	10x1000	M8	1	10	10	5430	
SP-CE-R10	12x1000	M8	1	10	10	1500	
SP-CE-R12	16x1000	M10	1	10	10	1300	
SP-CE-R16	22x1000	M12	1	10	10	384	
SP-CE-R20	28x1000	M16	1	5	5	280	
SP-CE-ED-1M	-	-	1	10	10	-	

Plastic mesh sleeves

The sleeve for reduced mortar consumption and optimal mechanical interlock



Features and benefits

- Ensures that the anchor rod is properly centred.
- Reduces consumption of resin
- User-friendly installation in hollow substrates
- Size must be adjusted to the hole depth and diameter
- Hole cleaning is not necessary



Applications

- For use with R-STUDS threaded rods.

Base materials

Approved for use in:

- Hollow Brick
- Hollow Sand-lime Brick
- Hollow Lightweight Concrete Block
- Hollow-core Slab



Rawplug code	Sleeve size mm	Stud size	Selling unit pcs	Quantity			Barcode
				Box pcs	Outer pcs	Pallet pcs	
R-PLS-12050-10	12x50	M8	1	10	700	8400	
R-PLS-16085-10	16x85	M10-M12	1	10	700	4800	
R-PLS-16130-10	16x130	M10-M12	1	10	400	4800	

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Mixer nozzles

Static mixer for bonded anchors in cartridges and CFS+ system



Features and benefits

- Convenient extrusion and mixing of resin and hardener
- Available with or without hanger
- Ideal for serial applications: rebar or anchoring
- One nozzle fits all cartridge delivery systems for bonded anchors, except R-KEX and R-KER
- Specially dedicated nozzles for epoxy and vinylester resins
- Possibility of extension- attach SP-CE-ED-1m extension nozzle



Rawlplug code	Ireland code	Suitable for	Selling unit	Quantity			Barcode
				Box	Outer	Pallet	
			pcs	pcs	pcs	pcs	
R-NOZ-KEX-II-10		R-KEM-II. R-KF2. R-KER (all except the epoxy mix)	1	10	100	2400	
R-NOZ-KEX-II-100		R-KEM-II. R-KF2. R-KER (all except the epoxy mix)	1	100	500	12000	
R-NOUSER-10		Bag X 10 Nozzles for R-KF2, R-KEM-II & R-KER	1	-	-	-	
R-NOUSER-100/100		Bag X 100 Nozzles for R-KF2, R-KEM-II & R-KER	1	-	-	-	
SP-CS-ED-1M		10 x 1metre Nozzle Extensions	1	-	-	-	

R-BRUSH manual brushes

Brush accessory for cleaning out holes prior to anchor installation



Features and benefits

- Ideal for cleaning dust from drilled holes prior to applying bonded anchors or installing mechanical anchors
- Hole cleaning is necessary for correct loads and to comply with ETA
- Suitable for variable anchor embedment depths.
- Suitable for repetitive and frequent use.



Rawlplug code	Ireland code	Drill diameter	Selling unit	Quantity			Barcode
				Box	Outer	Pallet	
		mm	pcs	pcs	pcs	pcs	
Plastic hole cleaning brushes							
R-BRUSH-M08/M		M8	1	1	10	300	
R-BRUSH-M10/M		M10	1	1	10	500	
R-BRUSH-M12/M		M12	1	1	10	500	
R-BRUSH-M16/M		M16	1	1	10	400	
R-BRUSH-M20/M		M20	1	1	10	250	
R-BRUSH-M24/M		M24	1	1	10	250	
R-BRUSH-M30/M		M30	1	1	10	300	
Wire hole cleaning brushes							
R-BRUSH-M08/10		M8-M10	1	1	1	3600	
R-BRUSH-M10/14		M12-M14	1	1	1	3600	
R-BRUSH-M16/28		M16	1	1	1	3600	

GUNS

DISPENSER GUNS



R-GUN 175-310 ml



Available for:

R-KEMII 300ml



R-GUN 345 ml



Available for:

R-KER 345ml
R-KERII 345ml



R-GUN 380 ml



Available for:

R-KEXII 385ml
R-KERII 380ml, 400ml
R-KER 400ml
R-KERII 400ml
R-KEMII 380ml, 410 ml
R-KF2 380ml, 400 ml



R-GUN 385 ml



Available for:

R-KERII 345ml



R-GUN 600 ml



Available for:

R-KEXII 600ml



R-CFS+-GUN 300 ml



Available for:

RV200 300ml
RM50 300ml
RP30 300ml



R-CFS+-GUN 300/600 ml



Available for:

RV200 600ml
RM50 600ml
RP30 600ml
RV200 600ml
RV200W 600ml



R-GUN 380 ml



Available for:

RV200 300ml, 600ml
RM50 300ml, 600ml
RP30 300ml, 600ml
RV200W 600ml

R-BLOWPUMP blow pump

Manual blow pump ideal for cleaning dust from drilled holes prior to applying bonded anchors or installing mechanical anchors



Features and benefits

- Ideal for cleaning dust from drilled holes prior to applying bonded anchors or installing mechanical anchors
- Hole cleaning is necessary for correct loads
- Manual, easy to use
- Serial application

Applications

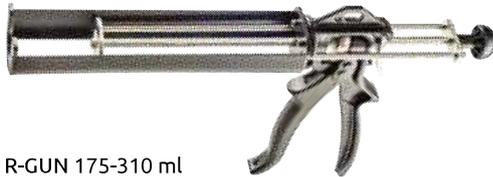
- Accessory used for cleaning out anchoring holes in concrete and masonry



Rawplug code	Ireland code	Selling unit pcs	Quantity			Barcode
			Box pcs	Outer pcs	Pallet pcs	
R-BLOW PUMP		1	1	12	-	

R-GUN Dispenser guns

Professional manual dispensing system for resin anchors in cartridges



R-GUN 175-310 ml



R-GUN 345 ml



R-GUN 380 ml

Applications

- Dispenser gun suitable for: 175ml, 280ml, 300ml, 310ml, 345ml, 380ml

Rawplug code	Selling unit pcs	Quantity			Barcode
		Box pcs	Outer pcs	Pallet pcs	
R-GUN-300-N	1	1	12	360	
R-GUN-345-N	1	1	12	300	
R-GUN-380-N	1	1	12	240	

BONDED ANCHORS

R-GUN Dispenser guns

Professional manual dispensing system for resin anchors in cartridges

R-GUN 385 ml



Applications

- Dispenser gun suitable for: R-KEX-II 385 ml

Rawlplug code	Selling unit	Quantity			Barcode
		Box	Outer	Pallet	
	pcs	pcs	pcs	pcs	
R-GUN-385-N	1	1	1	150	

R-GUN 385 ml



Applications

- Dispenser gun suitable for: R-KEX-II 385 ml

Rawlplug code	Selling unit	Quantity			Barcode
		Box	Outer	Pallet	
	pcs	pcs	pcs	pcs	
R-GUN-385-P	1	1	1	150	

R-GUN 600 ml



Applications

- Dispenser gun suitable for: 600 ml cartridges

Rawlplug code	Selling unit	Quantity			Barcode
		Box	Outer	Pallet	
	pcs	pcs	pcs	pcs	
R-GUN-600-P	1	1	1	35	

R-GUN Dispenser gun CFS+

Professional dispensing system for resin anchors in CFS+ foils

R-CFS+-GUN 300 ml



Applications

- Dispenser gun suitable for: 300 ml CFS+ system

Rawlplug code	Selling unit	Quantity			Barcode
		Box	Outer	Pallet	
	pcs	pcs	pcs	pcs	
R-CFS+-GUN	1	1	12	180	

R-GUN Pneumatic dispenser gun CFS+

Professional dispensing system for resin anchors in CFS+ foils

R-CFS+-GUN 300/600 ml



Applications

- Dispenser gun suitable for: 600 ml CFS+ system

Rawplug code	Selling unit	Quantity			Barcode
		Box	Outer	Pallet	
	pcs	pcs	pcs	pcs	
R-CFS+-GUN-PNEU	1	1	1	200	

R-GUN Electric Dispenser Gun for cartridges

Professional battery-powered cartridge bonded anchors dispenser gun

R-GUN 380 ml



Rawplug code	Selling unit	Quantity			Barcode
		Box	Outer	Pallet	
	pcs	pcs	pcs	pcs	
R-GUN-380-AKU	1	1	1	-	

Anchor design software - EasyFix 3 Pro

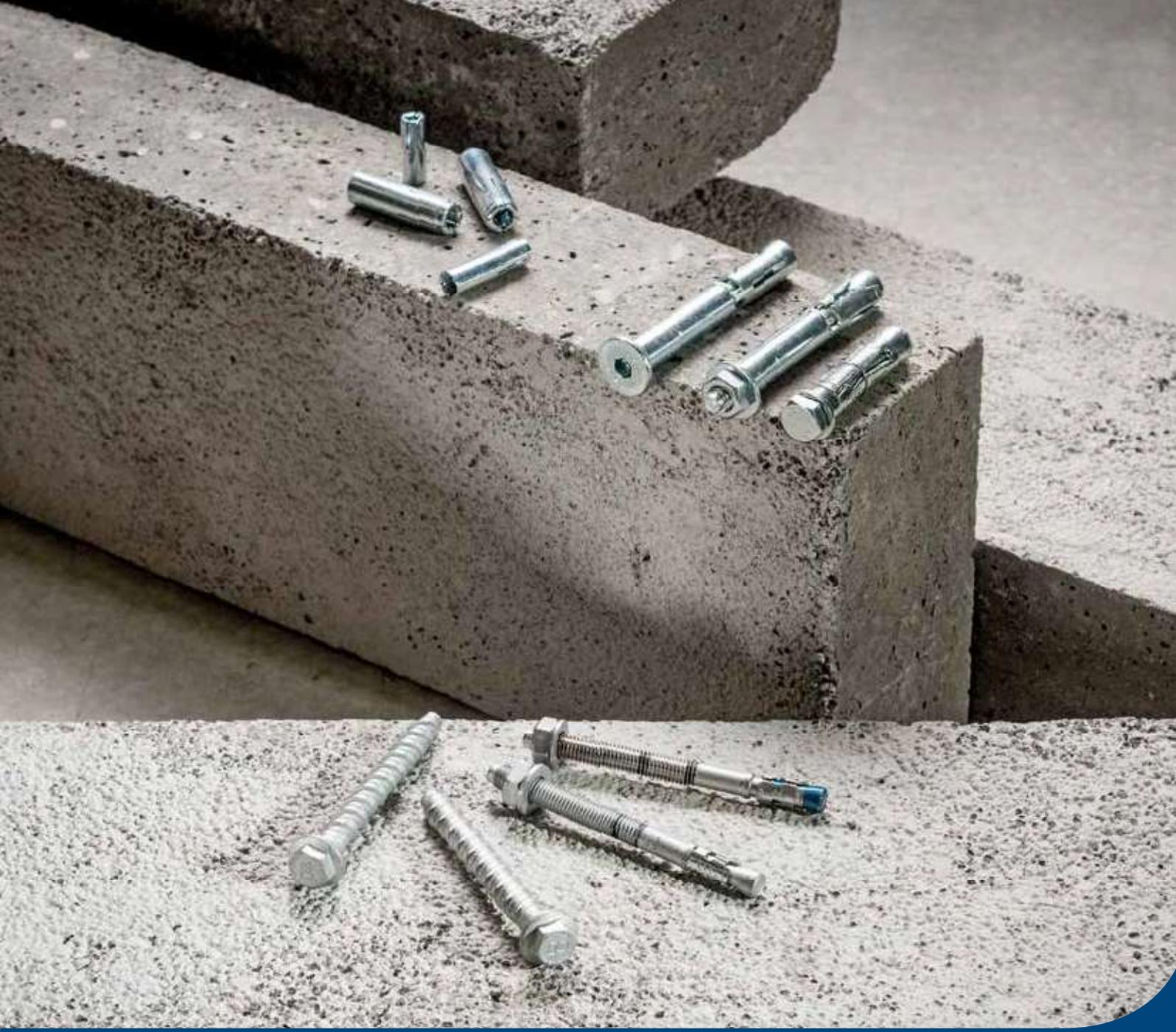


It is with pleasure that we present an improved and updated version of our popular anchor design software EasyFix.

EasyFix 3 Pro is more intuitive and enables a simplified and faster anchor selection process for specialised constructions, providing different variants of anchors depending on the fixture geometry.

Main features of EasyFix 3 Pro:

- Enter different base plate geometries.
- Attach a variety of different sections to the base element.
- Add eccentricity to the anchorage by moving the point where the applied loads are acting to any point on the base element.
- Design stand-off applications by offsetting the base element from the surface of the substrate.
- Make use of slotted holes to increase performance by preventing shear forces acting on anchors close to an edge.
- Input data through a simple graphical user interface.
- Enter loads using characteristic or design values.
- Pre-filter results by anchor group, anchor material and diameter.
- View the load distribution across the anchorage and the percentage of capacity utilized by each anchor.



Mechanical Anchors

Overview of our range

											
MECHANICAL ANCHORS:		SAFETY PLUS II	SAFETY PLUS	R-HPTIIA4	R-HPTIIF	R-XPTIIA4					
ANCHOR MATERIAL	5.8 STEEL CLASS, ZINC PLATED	-	-	-	<input checked="" type="checkbox"/>	-					
	8.8 STEEL CLASS, ZINC PLATED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-					
	STAINLESS STEEL	-	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>					
SUBSTRATES	CONCRETE 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	CRACKED CONCRETE 	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-					
	REINFORCED CONCRETE 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-					
	AERATED CONCRETE 	-	-	-	-	-					
	STONE 	-	-	-	-	-					
	SOLID BRICK 	-	-	-	-	-					
	HOLLOW BRICK 	-	-	-	-	-					
	LIGHTWEIGHT CONCRETE BLOCKS 	-	-	-	-	-					
APPROVALS		<input checked="" type="checkbox"/> ETAG001-2 Option 1	<input checked="" type="checkbox"/> ETAG001-2 Option 7	<input checked="" type="checkbox"/> ETAG 001-2 Option 1	<input checked="" type="checkbox"/> ETAG 001-2 Option 1	<input checked="" type="checkbox"/> ETAG001-2 Option 7					
		<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-					
		<input checked="" type="checkbox"/> C1, C2	-	-	-	-					
		-	-	-	-	-					
TENSION AND SHEAR LOADS IN kN	[kN]	N _{Rd}	V _{Rd}	N _{Rd}	V _{Rd}	N _{Rd}	V _{Rd}	N _{Rd}	V _{Rd}	N _{Rd}	V _{Rd}
	5	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8
	10										
	15										
	20			M20							
	25					M16				M16	
	30	M16			M20			M20			
	35						M16				M16
	40										
	45										
	50										
	60		M16						M20		
	70										
80											
90											
100											

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Overview of our range

															
R-XPT-HD		R-XPT		RAWLBOLT		KT		R-LX		R-DCA		R-DCL		R-DCA-A4	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		-		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		-	
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-		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		PENDING		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
-		-		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		-		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
-		-		-		-		-		-		-		-	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		-		-		-		-		-		-	
N_{Rd}	V_{Rd}	N_{Rd}	V_{Rd}	N_{Rd}	V_{Rd}			N_{Rd}	V_{Rd}	N_{Rd}	V_{Rd}	N_{Rd}	V_{Rd}	N_{Rd}	V_{Rd}
M8	M8	M8	M8	M6	M8			PENDING	PENDING	M6	M6	M6	M6	M6-M20	M6-M20
M24										M20	M20	M20	M20		
		M24													
				M20											
		M24													
				M24	M24										

Overview of our range

MECHANICAL ANCHORS - OUR RANGE

THROUGHBOLTS	SHIELD ANCHORS	HEAVY-DUTY EXPANSION ANCHORS
Throughbolt anchors designed for use in cracked and non-cracked concrete	World's most popular all-purpose expanding shield anchor for use in cracked and non-cracked concrete	Heavy-duty expansion anchor, suitable for demanding safety-critical applications



FEATURES AND BENEFITS

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> High performance in cracked and non-cracked concrete confirmed by ETA Option 1 or Option 7 Design allows drilling and installation directly through the fixture and reduces overall installation effort Embedment depth markings help to ensure precise installation Throughbolts are suitable for reduced embedment to avoid contact with reinforcement Head marking helps to determine anchor length and setting depth after installation Cold formed body ensures consistent dimensional accuracy Optimized expander design with six grip features allows for a high load-bearing capacity | <ul style="list-style-type: none"> Shield anchor (shield also available separately) Bolt lengths suitable for fixture thicknesses of up to 150mm Ferrule marked with hole diameter to ensure correct installation Optimum geometry for maximum expansion in all recommended substrates Excellent tolerance to variation in hole size | <ul style="list-style-type: none"> Design allows for easy through-fixing Integral controlled collapse and anti-rotation feature ensures fixture is firmly secured Unique zig-zag feature provides balanced expansion, ensuring secure setting and maximised load-bearing capacity Case-hardened nut with optimum taper angle for enhanced expansion |
|---|---|---|

ANCHOR PRODUCTS AVAILABLE:

R-XPT, R-XPT-A4, R-XPTII-A4, R-XPT-HD, R-HPTII-ZF, R-HPTII-A4

RAWLBOLT: R-RB, R-RBL, R-RBP, R-RBL-E, R-RBL-W

SAFETY PLUS: R-SPL, R-SPL-BP, R-SPL-C

DROP IN ANCHORS

Internally threaded drop in anchors for simple hammer-set installation



SCREW ANCHORS

Self-tapping and removable concrete screw anchor for through-fixing installation



FEATURES AND BENEFITS

- | | |
|--|---|
| <ul style="list-style-type: none"> Internally threaded to be used with threaded studs, rods or bolts Easy to install by hammer action Slotted sleeve and internal wedge component together facilitate easy setting and expansion Allows bolts or studs to be installed or removed without damaging the anchorage | <ul style="list-style-type: none"> Time-efficient installation through streamlined procedure - simply drill and drive Completely removable, allows repeatable use Unique design with patented threadform ensures high performance for relatively small hole diameter Integral washer ensures a neat overall appearance Non-expansion functioning ensures low risk of damage to base material and makes R-LX ideal for installation near edges and adjacent anchors Performance data at two embedment depths (reduced embedment to avoid contact with reinforcement) |
|--|---|

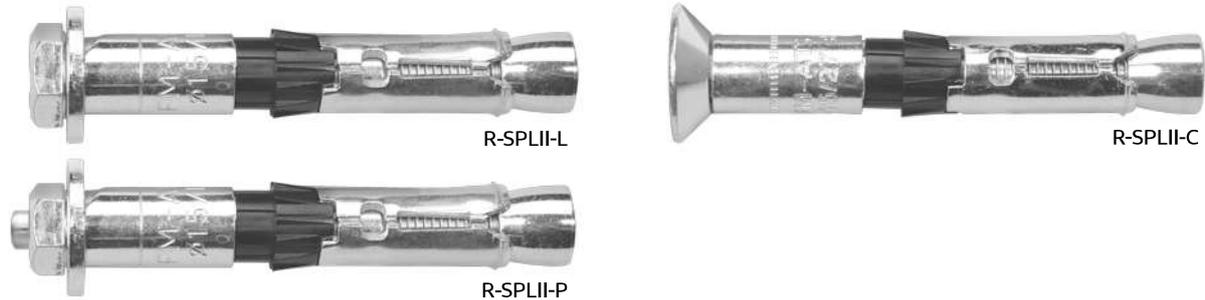
ANCHOR PRODUCTS AVAILABLE:

R-DCA, R-DCA-A4, R-DCL

R-LX

R-SPLII Safety Plus II

High performance mechanical anchor for cracked and non-cracked concrete



Approvals and Reports

- ETA-14/0345, Option 1
- C1 and C2 Seismic Approval



Features and benefits

- Mechanical anchor for highest tension and shear loads
- Seismic category C2 for Structural applications. Seismic category C1 for non-structural use in areas with low seismic risk
- Fire resistant
- Option 1 ETA for Cracked and Non-Cracked Concrete
- Antirotation brush to prevent rotation during installation
- Anchor's construction allows easy through-installation (drilling and installation through fixed material)
- Three types of tips (nut, flat or tapered bolt) allow simple fitment for installed element
- 8.8 grade steel material of anchor provides high durability

Applications

- Structural steel
- Masonry support
- Cladding restraints
- Road Signs
- Heavy machinery
- Racking systems
- Industrial doors
- Safety barriers

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Cracked concrete C20/25-C50/60
- Reinforced concrete
- Concrete subjected to seismic actions cat. C1/C2



Rawlplug code	Anchor			Fixture		Quantity		Barcode
	Drill size	Diameter	Length	Max. thickness	Hole diameter	Box	Outer	
	mm		mm	mm	mm	pcs	pcs	
R-SPLII-L - Loose Bolt								
R-SPL-II-06080/20L	10	M6	80	20	12	50	400	
R-SPL-II-06110/50L	10	M6	110	20	12	50	300	
R-SPL-II-08080/10L	12	M8	80	10	14	25	200	
R-SPL-II-08090/20L	12	M8	90	20	14	25	200	
R-SPL-II-08120/50L	12	M8	120	50	14	25	150	
R-SPL-II-10090/10L	15	M10	90	10	17	20	160	
R-SPL-II-10100/20L	15	M10	100	20	17	20	160	
R-SPL-II-10130/50L	15	M10	130	50	17	20	120	
R-SPL-II-12110/10L	18	M12	110	10	20	20	80	
R-SPL-II-12125/25L	18	M12	125	25	20	20	20	
R-SPL-II-12150/50L	18	M12	150	50	20	20	20	
R-SPL-II-16125/10L	24	M16	125	10	26	10	60	
R-SPL-II-16140/25L	24	M16	140	25	26	10	40	
R-SPLII-P - Bolt Projecting								
R-SPL-II-06080/20P	10	M6	80	20	12	50	400	
R-SPL-II-06110/50P	10	M6	110	50	12	50	300	
R-SPL-II-08090/20P	12	M8	90	20	14	25	200	
R-SPL-II-10100/20P	15	M10	100	20	17	20	160	
R-SPL-II-12125/25P	18	M12	125	25	20	20	20	
R-SPL-II-12150/50P	18	M12	150	50	20	20	20	
R-SPL-II-16125/10P	24	M16	125	10	26	10	60	
R-SPLII-C - Countersunk								
R-SPL-II-06080/25C	10	M6	80	25	12	50	400	
R-SPL-II-08080/16C	12	M8	80	16	14	25	200	
R-SPL-II-08090/26C	12	M8	90	26	21*/14	25	200	
R-SPL-II-10090/17C	15	M10	90	17	17	20	160	
R-SPL-II-10100/27C	15	M10	100	27	26*/17	20	160	
R-SPL-II-12125/33C	18	M12	125	33	31*/20	20	80	

R-SPL SafetyPlus

High performance mechanical anchor



Approvals and Reports

- ETA-11/0126
Option 7



Features and benefits

- Design of SafetyPlus allows for easy through fixing
- Integral controlled collapse and anti-rotation feature ensures fixture is firmly secured
- Unique zig-zag feature provides balanced expansion, ensuring secure setting and maximised load-bearing capacity
- Case-hardened nut with optimum taper angle for enhanced expansion

Applications

- Structural steel
- Masonry support
- Cladding restraints
- Road Signs
- Heavy machinery
- Racking systems
- Industrial doors
- Safety barriers

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Reinforced concrete

Also suitable for use in:

- Natural Stone



Rawlplug code	Ireland code	Anchor		Fixture		Minimum hole depth h _o	Hex driver size AF	Max. head diameter djsc	Quantity		Barcode
		Diameter	Length	Max. thickness	Hole diameter				Box	Outer	
R-SPL SafetyPlus - Loose Bolt											
R-SPL-08090/15		M8	90	15	14				50	50	
R-SPL-080110/40		M8	110	40	14				50	50	
R-SPL-10105/20		M10	105	20	17				50	50	
R-SPL-10120/40		M10	120	40	17				50	50	
R-SPL-10140/60		M10	140	60	17				50	50	
R-SPL-12120/25		M12	120	25	20				25	25	
R-SPL-12150/50		M12	150	50	20				25	25	
R-SPL-16145/25		M16	145	25	26				10	10	
R-SPL-16170/50		M16	170	50	26				10	10	
R-SPL-20175/30		M20	175	30	30				10	10	
R-SPL-BP SafetyPlus - Bolt Projecting											
R-SPL-BP-08095/15		M8	95	15	14				50	50	
R-SPL-BP-10110/20		M10	110	20	17				50	50	
R-SPL-BP-12135/25		M12	120	25	20				25	25	
R-SPL-BP-12160/50		M12	160	50	20				25	25	
R-SPL-BP-16160/25		M16	160	25	26				10	10	
R-SPL-BP-16185/50		M16	185	50	26				10	10	
R-SPL-BP-20190/30		M20	190	30	30				10	10	
R-SPL-C SafetyPlus - Countersunk											
R-SPL-C-08090/20	ASP0210	M8	90	20	14	80	6	22	50	50	5010445502101
R-SPL-C-10105/25	ASP0220UK	M10	105	25	17	90	8	28	50	50	5010445502200
R-SPL-C-12125/30	ASP0235UK	M12	120	30	20	105	10	33	25	25	5010445502354
R-SPL-C-16145/30	ASP0250UK	M16	145	30	26	125	12	40	10	10	5010445502507

R-HPTIIA4 Stainless steel throughbolt

Stainless steel throughbolt anchor for cracked and non-cracked concrete



Approvals and Reports

- ETA-12/0021



Installation guide movie

Features and benefits

- Stainless steel material for the highest corrosion resistance
- Highest quality to receive optimal load capability
- High performance in cracked and non-cracked concrete confirmed by ETA Option 1
- Fire resistant
- R-HPTIIA4 is suitable for reduced embedment to avoid contact with reinforcement
- Embedment depth markings help to ensure precise installation of the anchor
- Design of R-HPTIIA4 allows drilling and installing directly through the fixture and helps to reduce installation effort
- Available with large washer for fixing wooden or fixtures with elongated holes.

Applications

- Cladding restraints
- Consoles
- Barriers
- Structural steel
- Curtain walling
- Hand rails
- Heavy Plant
- Balustrading
- Passenger lifts
- Facades
- Fencing & gates
- Masonry support
- Platforms
- Public seating
- Racking systems

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone



Rawlplug code	Anchor		Fixture		Hole diameter	Quantity		Barcode
	Diameter	Length	Max. thickness			Box	Outer	
	mm	mm	$t_{fix,r}$ mm	$t_{fix,s}$ mm	pcs	pcs		
R-HPTIIA4 Stainless steel throughbolt								
R-HPTIIA4-08060/10	8	60	10	-	9	100	100	
R-HPTIIA4-08075/10	8	75	25	10	9	100	100	
R-HPTIIA4-08085/20	8	85	35	20	9	100	100	
R-HPTIIA4-08095/30	8	95	45	30	9	100	100	
R-HPTIIA4-08105/40	8	105	55	40	9	50	50	
R-HPTIIA4-08115/50	8	115	65	50	9	100	100	
R-HPTIIA4-10065/5	10	65	5	-	11	50	50	
R-HPTIIA4-10080/20	10	80	20	-	11	50	50	
R-HPTIIA4-10095/15	10	95	35	15	11	50	50	
R-HPTIIA4-10115/35	10	115	55	35	11	50	50	
R-HPTIIA4-10130/50	10	130	70	50	11	50	50	
R-HPTIIA4-10140/60	10	140	80	60	11	50	50	
R-HPTIIA4-12080/5	12	80	5	-	14	50	50	
R-HPTIIA4-12100/5	12	100	25	5	14	50	50	
R-HPTIIA4-12115/20	12	115	40	20	14	50	50	
R-HPTIIA4-12125/30	12	125	50	30	14	50	50	
R-HPTIIA4-12150/55	12	150	75	55	14	50	50	
R-HPTIIA4-12180/85	12	180	105	85	14	50	50	
R-HPTIIA4-16125/5	16	125	25	5	18	25	25	
R-HPTIIA4-16140/20	16	140	40	20	18	25	25	
R-HPTIIA4-16150/30	16	150	50	30	18	25	25	
R-HPTIIA4-16180/60	16	180	80	60	18	25	25	
R-HPTIIA4-20160/20	20	160	20	-	22	25	25	

R-HPTIIA4 Stainless steel throughbolt (cont.)

Rawlplug code	Anchor		Fixture			Quantity		Barcode
	Diameter	Length	Max. thickness		Hole diameter	Box	Outer	
	mm	mm	$t_{fix,r}$ mm	$t_{fix,s}$ mm	mm	pcs	pcs	
R-HPTIIA4 Stainless steel throughbolt - wide washer								
R-HPTIIA4D-08060/10	8	60	10	-	9	100	100	
R-HPTIIA4D-08075/10	8	75	25	10	9	100	100	
R-HPTIIA4D-08085/20	8	85	35	20	9	100	100	
R-HPTIIA4D-08095/30	8	95	45	30	9	100	100	
R-HPTIIA4D-08105/40	8	105	55	40	9	50	50	
R-HPTIIA4D-08115/50	8	115	65	50	9	100	100	
R-HPTIIA4D-10065/5	10	65	5	-	11	50	50	
R-HPTIIA4D-10080/20	10	80	20	-	11	50	50	
R-HPTIIA4D-10095/15	10	95	35	15	11	50	50	
R-HPTIIA4D-10115/35	10	115	55	35	11	50	50	
R-HPTIIA4D-10130/50	10	130	70	50	11	50	50	
R-HPTIIA4D-10140/60	10	140	80	60	11	50	50	
R-HPTIIA4D-12080/5	12	80	5	-	14	50	50	
R-HPTIIA4D-12100/5	12	100	25	5	14	50	50	
R-HPTIIA4D-12115/20	12	115	20	-	14	50	40	
R-HPTIIA4D-12125/30	12	125	50	30	14	50	50	
R-HPTIIA4D-12150/55	12	150	75	55	14	50	50	
R-HPTIIA4D-12180/85	12	180	105	85	14	50	50	
R-HPTIIA4D-16125/5	16	125	25	5	18	25	25	
R-HPTIIA4D-16140/20	16	140	40	20	18	25	25	
R-HPTIIA4D-16150/30	16	150	50	30	18	25	25	
R-HPTIIA4D-16180/60	16	180	80	60	18	25	25	
R-HPTIIA4D-20160/20	20	160	20	-	22	25	25	

R-HPTIIZF Zinc flake throughbolt

Throughbolt for cracked and non-cracked concrete



Approvals and Reports

- ETA-12/0309



Installation guide movie



Features and benefits

- New generation of throughbolts with unique protective layer
- Highest quality to receive optimal load capability
- High performance in cracked and non-cracked concrete confirmed by ETA Option 1
- Fire resistant
- R-HPTII-ZF is suitable for reduced embedment to avoid contact with reinforcement
- Embedment depth markings help to ensure precise installation of the anchor
- Design of R-HPTII allows drilling and installing directly through the fixture and helps to reduce installation effort
- Available with large washer for fixing wooden or fixtures with elongated holes.

Applications

- Cladding restraints
- Consoles
- Barriers
- Structural steel
- Curtain walling
- Hand rails
- Heavy Plant
- Balustrading
- Passenger lifts
- Facades

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60
- Concrete

Also suitable for use in:

- Natural Stone



R-HPTIIF Zinc flake throughbolt (cont.)

Rawplug code	Anchor		Fixture			Quantity		Barcode
	Diameter	Length	Max. thickness		Hole diameter	Box	Outer	
			t _{fix,r}	t _{fix,s}				
mm	mm	mm	mm	mm	pcs	pcs		
R-HPTIIF Zinc flake throughbolt								
R-HPTIIF-08050/5	8	50	-	-	-	100	100	
R-HPTIIF-08065/15	8	65	15	-	9	100	100	
R-HPTIIF-08080/15	8	80	30	15	9	100	100	
R-HPTIIF-08100/35	8	100	50	35	9	100	100	
R-HPTIIF-08115/50	8	115	65	50	9	100	100	
R-HPTIIF-10065/5	10	65	5	-	11	50	50	
R-HPTIIF-10080/20	10	80	20	-	11	50	50	
R-HPTIIF-10095/15	10	95	35	15	11	50	50	
R-HPTIIF-10115/35	10	115	55	35	11	50	50	
R-HPTIIF-10130/50	10	130	70	50	11	50	50	
R-HPTIIF-12080/5	12	80	5	-	14	50	50	
R-HPTIIF-12100/5	12	100	25	5	14	50	50	
R-HPTIIF-12120/25	12	120	45	25	14	50	50	
R-HPTIIF-12135/40	12	135	60	40	14	50	50	
R-HPTIIF-12150/55	12	150	75	55	14	50	50	
R-HPTIIF-16105/10	16	105	10	-	18	25	25	
R-HPTIIF-16140/20	16	140	40	20	18	25	25	
R-HPTIIF-16180/60	16	180	80	60	18	25	25	
R-HPTIIF-16220/100	16	180	100	80	18	25	25	
R-HPTIIF-20125/5	20	125	5	-	22	25	25	
R-HPTIIF-20160/20	20	160	40	20	22	25	25	
R-HPTIIF-20200/60	20	200	80	60	22	10	10	
R-HPTIIF Zinc flake throughbolt - wide washer								
R-HPTIIFD-08065/15	8	65	15	-	9	100	100	
R-HPTIIFD-08080/15	8	80	15	-	9	100	100	
R-HPTIIFD-08095/15	8	95	15	-	9	100	100	
R-HPTIIFD-08100/35	8	100	50	35	9	100	100	
R-HPTIIFD-08115/50	8	115	65	50	9	100	100	
R-HPTIIFD-10065/5	10	65	5	-	11	50	50	
R-HPTIIFD-10080/20	10	80	20	-	11	50	50	
R-HPTIIFD-10095/15	10	95	35	15	11	50	50	
R-HPTIIFD-10115/35	10	115	55	35	11	50	50	
R-HPTIIFD-10130/50	10	130	70	50	11	50	50	
R-HPTIIFD-12080/5	12	80	5	-	14	50	50	
R-HPTIIFD-12100/5	12	100	25	5	14	50	50	
R-HPTIIFD-12120/25	12	120	45	25	14	50	50	
R-HPTIIFD-12135/40	12	135	60	40	14	50	50	
R-HPTIIFD-12150/55	12	150	75	55	14	50	50	
R-HPTIIFD-16105/10	16	105	10	-	18	25	25	
R-HPTIIFD-16140/20	16	140	40	20	18	25	25	
R-HPTIIFD-16180/60	16	180	80	60	18	25	25	
R-HPTIIFD-16220/20	16	200	100	80	18	25	25	
R-HPTIIFD-20125/5	20	125	5	-	22	25	25	
R-HPTIIFD-20160/20	20	160	40	20	22	25	25	
R-HPTIIFD-20200/60	20	200	80	60	22	215	25	

R-XPTIIA4 Stainless steel throughbolt

Stainless steel throughbolt for non-cracked concrete



Approvals and Reports

- ETA-12/0384



Features and benefits

- Stainless steel anchor for the highest corrosion resistance
- Highest quality to receive optimal load capability
- High performance in non-cracked concrete confirmed by ETA Option 7
- R-XPTIIA4 is suitable for reduced embedment to avoid contact with reinforcement
- Design of R-XPTIIA4 allows drilling and installing directly through the fixture and helps to reduce installation effort

Applications

- Cladding restraint
- Curtain wall
- Balustrading
- Barriers
- Handrails
- Racking
- Structural steel
- Bollards

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone



Rawlplug code	Anchor		Fixture		Quantity		Barcode	
	Diameter	Length	Max. thickness		Hole diameter	Box		Outer
			t _{fix, r}	t _{fix, s}				
mm	mm	mm	mm	mm	pcs	pcs		
R-XPTIIA4-06050/5	6	50	5	-	7	100	100	
R-XPTIIA4-06085/25	6	85	25	5	7	100	100	
R-XPTIIA4-08060/10	8	60	10	-	9	100	100	
R-XPTIIA4-08075/10	8	75	25	10	9	100	100	
R-XPTIIA4-08085/20	8	85	35	20	9	100	100	
R-XPTIIA4-08095/30	8	95	45	30	9	100	100	
R-XPTIIA4-08105/40	8	105	55	40	9	100	100	
R-XPTIIA4-08115/50	8	115	65	50	9	100	100	
R-XPTIIA4-10065/5	10	65	5	-	11	50	50	
R-XPTIIA4-10080/20	10	80	20	-	11	50	50	
R-XPTIIA4-10095/15	10	95	35	15	11	50	50	
R-XPTIIA4-10115/35	10	115	55	35	11	50	50	
R-XPTIIA4-10130/50	10	130	70	50	11	50	50	
R-XPTIIA4-10140/60	10	140	80	60	11	50	50	
R-XPTIIA4-12080/5	12	80	5	-	11	50	50	
R-XPTIIA4-12100/5	12	100	5	25	14	50	50	
R-XPTIIA4-12125/30	12	125	50	30	14	50	50	
R-XPTIIA4-12150/55	12	150	75	55	14	50	50	
R-XPTIIA4-12180/85	12	180	105	85	14	50	50	
R-XPTIIA4-16125/5	16	125	5	-	18	25	25	
R-XPTIIA4-16140/20	16	140	40	20	18	25	25	
R-XPTIIA4-16150/30	16	150	50	30	18	25	25	
R-XPTIIA4-16180/60	16	180	80	60	18	25	25	
R-XPTIIA4-20125/5	20	125	5	-	22	25	25	
R-XPTIIA4-20160/20	20	160	40	20	22	25	25	
R-XPTIIA4-20200/60	20	200	80	60	22	10	10	
R-XPTIIA4-20300/16	20	300	180	160	22	10	10	
R-XPTIIA4-24260/10	24	260	120	100	26	10	10	

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R-XPT-HD Hot Dip Galvanized Throughbolt

Hot Dip Galvanized throughbolt for non-cracked concrete



Approvals and Reports

- AT-15-9326/2014



Features and benefits

- High performance in non-cracked concrete
- Stainless steel material for corrosion resistance
- Design of R-XPT allows drilling and installing directly through the fixture and helps to reduce installation effort
- Embedment depth markings help to ensure precise installation of the anchor
- R-XPT-A4 is suitable for reduced embedment to avoid contact with reinforcement
- Head marking helps to determine anchor length and setting depth after installation
- Optimized expander design with six grip features allows for a high load-bearing capacity
- Cold formed body ensures consistent dimensional accuracy

Applications

- Cladding restraint
- Curtain wall
- Balustrading
- Barriers
- Handrails
- Racking
- Structural steel
- Bollards

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone



Rawlplug code	Anchor		Fixture			Quantity		Barcode
	Diameter	Length	Max. thickness		Hole diameter	Box	Outer	
			t _{Fix, r}	t _{Fix, s}				
mm	mm	mm	mm	mm	pcs	pcs		
R-XPT-HD-06050/10	6	50	10	-	7	100	100	
R-XPT-HD-06085/25	6	85	45	25	7	100	100	
R-XPT-HD-06100/40	6	100	60	40	7	100	100	
R-XPT-HD-08050/5	8	50	5	-	9	100	100	
R-XPT-HD-08060/10	8	60	10	-	9	100	100	
R-XPT-HD-08065/15	8	65	15	-	9	100	100	
R-XPT-HD-08075/10	8	75	25	10	9	100	100	
R-XPT-HD-08080/15	8	80	30	15	9	100	100	
R-XPT-HD-08095/30	8	95	45	30	9	100	100	
R-XPT-HD-08115/50	8	115	65	50	9	100	100	
R-XPT-HD-08140/75	8	140	90	75	9	100	100	
R-XPT-HD-10065/5	10	65	5	-	11	50	50	
R-XPT-HD-10080/10	10	80	20	10	11	50	50	
R-XPT-HD-10095/25	10	95	35	25	11	50	50	
R-XPT-HD-10115/45	10	115	55	45	11	50	50	
R-XPT-HD-10130/60	10	130	70	60	11	50	50	
R-XPT-HD-10140/70	10	140	80	70	11	50	50	
R-XPT-HD-12080/5	12	80	5	-	14	50	50	
R-XPT-HD-12100/5	12	100	25	5	14	50	50	
R-XPT-HD-12120/25	12	120	45	25	14	50	50	
R-XPT-HD-12125/30	12	125	50	30	14	50	50	
R-XPT-HD-12135/40	12	135	60	40	14	50	50	
R-XPT-HD-12150/55	12	150	75	55	14	50	50	
R-XPT-HD-12180/85	12	180	105	85	14	50	50	
R-XPT-HD-12220/125	12	220	145	125	14	50	50	
R-XPT-HD-16100/5	16	100	5	-	18	25	25	
R-XPT-HD-16105/10	16	105	10	-	18	25	25	
R-XPT-HD-16125/5	16	125	25	5	18	25	25	
R-XPT-HD-16140/20	16	140	40	20	18	25	25	

R-XPT-HD Hot Dip Galvanized Throughbolt (cont.)

Rawlplug code	Anchor		Fixture			Quantity		Barcode
	Diameter	Length	Max. thickness		Hole diameter	Box	Outer	
			$t_{fix,r}$	$t_{fix,s}$				
mm	mm	mm	mm	mm	pcs	pcs		
R-XPT-HD-16150/30	16	150	50	30	18	25	25	
R-XPT-HD-16180/60	16	180	80	60	18	25	25	
R-XPT-HD-16220/100	16	220	120	100	18	25	25	
R-XPT-HD-20125/5	20	125	5	-	22	25	25	
R-XPT-HD-20160/20	20	160	40	20	22	25	25	
R-XPT-HD-20200/80	20	200	80	60	22	10	10	
R-XPT-HD-24260/100	24	260	115	100	26	10	10	

R-XPT Throughbolt

Throughbolt for non-cracked concrete



Approvals and Reports

- ETA-08/0339



Installation guide movie



Features and benefits

- High performance in non-cracked concrete confirmed by ETA Option 7
- High quality with simultaneous cost effectiveness
- Cold formed body ensures consistent dimensional accuracy
- R-XPT is suitable for reduced embedment to avoid contact with reinforcement
- Embedment depth markings help to ensure precise installation of the anchor

Applications

- Cladding restraint
- Curtain wall
- Balustrading
- Barriers
- Handrails
- Racking
- Structural steel
- Bollards

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Concrete

Also suitable for use in:

- Natural Stone



Rawlplug code	Nearest R-SPT equivalent	Anchor		Fixture			Hole diameter (h_o)	Minimum hole depth ($h_{o,1}$)		Recommended torque (T_{inst})	Quantity		Barcode
		Diameter	Length	Max. thickness		Hole diameter		Standard	Reduced		Box	Outer	
				$t_{fix,r}$	$t_{fix,s}$								
mm	mm	mm	mm	mm	mm	mm	mm	Nm	pcs	pcs			
R-XPT-06050/10	56104 M6×55	6	50	10	-	7	6	-	30	5	100	100	5906675233499
R-XPT-06065/5	56108 M6×70	6	65	25	5	7	6	50	30	5	100	100	5906675233505
R-XPT-06085/25	56110 M6×85	6	85	45	25	7	6	50	30	5	100	100	5906675233512
R-XPT-06100/40		6	100	60	40	7					100	100	
R-XPT-08050/5		8	50	5	-	9					100	100	
R-XPT-08060/10		8	60	10	-	9					100	100	
R-XPT-08065/15	56116 M8×65	8	65	15	-	9	8	-	40	15	100	100	5906675250335
R-XPT-08075/10	56120 M8×80	8	75	25	10	9	8	55	40	15	100	100	5906675233536
R-XPT-08080/15		8	80	30	15	9					100	100	
R-XPT-08085/20	56120 M8×85	8	85	35	20	9	8	55	40	15	100	100	5906675249636
R-XPT-08095/30	56122 M8×95	8	95	45	30	9	8	55	40	15	100	100	5906675233543
R-XPT-08115/50	56125 M8×115	8	115	65	50	9	8	55	40	15	100	100	5906675233550
R-XPT-08140/75	56123 M8×150	8	140	90	75	9	8	55	40	15	100	100	5906675233567

R-XPT Throughbolt (cont.)

Rawplug code	Nearest R-SPT equivalent	Anchor		Fixture			Hole diameter (h _o)	Minimum hole depth (h _e)		Recommended torque (T _{inst})	Quantity		Barcode
		Diameter	Length	Max. thickness		Hole diameter		Standard	Reduced		Box	Outer	
				t _{fix,r}	t _{fix,s}								
R-XPT-08150/85		8	150	100	85	9					100	100	
R-XPT-10065/5	56129 M10×65	10	65	5	-	11	10	-	49	30	50	50	5906675233574
R-XPT-10080/10	56128 M10×80	10	80	20	10	11	10	59	49	30	50	50	5906675233581
R-XPT-10095/25	56132 M10×95	10	95	35	25	11	10	59	49	30	50	50	5906675233598
R-XPT-10115/45	56136 M10×115	10	115	55	45	11	10	59	49	30	50	50	5906675233604
R-XPT-10130/60		10	130	70	60	11					50	50	
R-XPT-10140/70	56138 M10×130	10	140	80	70	11	10	59	49	30	50	50	5906675233611
R-XPT-10150/80		10	150	90	80	11					50	50	
R-XPT-10180/110		10	180	120	110	11					50	50	
R-XPT-12080/5	56139 M12×80	12	80	5	-	14	12	-	60	50	50	50	5906675233628
R-XPT-12100/5	56140 M12×100	12	100	25	5	14	12	80	60	50	50	50	5906675233635
R-XPT-12120/25	56144 M12×120	12	120	45	25	14	12	80	60	50	50	50	5906675233642
R-XPT-12125/30		12	125	50	30	14					50	50	
R-XPT-12135/40		12	135	60	40	14					50	50	
R-XPT-12140/45	56148 M12×135	12	140	65	45	14	12	80	60	50	50	50	5906675249667
R-XPT-12150/55	56150 M12×150	12	150	75	55	14	12	80	60	50	50	50	5906675233659
R-XPT-12180/85	56147 M12×180	12	180	105	85	14	12	80	60	50	50	50	5906675233628
R-XPT-12220/125	56149 M12×220	12	220	145	125	14	12	80	60	50	50	50	5906675233673
R-XPT-12250/130		12	250	150	130	14					-	-	
R-XPT-12280/160		12	280	180	160	14					-	-	
R-XPT-12300/205		12	300	225	205	14					10	10	
R-XPT-16090/10	56154 M16×90	16	90				16	-	65	100			5906675250397
R-XPT-16100/5		16	100	5	-	18					25	25	
R-XPT-16105/10	56153 M16×105	16	105	10	-	18	16	-	80	100	25	25	5906675250403
R-XPT-16125/5	56155 M16×125	16	125	25	5	18	16	100	80	100	25	25	5906675233697
R-XPT-16140/20		16	140	40	20	18					25	25	
R-XPT-16150/30	56152 M16×140	16	150	50	30	18	16	100	80	100	25	25	5906675249674
R-XPT-16160/40		16	160	60	40	18					25	25	
R-XPT-16180/60	56156 M16×180	16	180	80	60	18	16	100	80	100	25	25	5906675249681
R-XPT-16220/100	56158 M16×220	16	220	120	100	18	16	100	80	100	25	25	5906675233727
R-XPT-16280/160	56157 M16×280	16	280	180	160	18	16	100	80	100	15	15	5906675233727
R-XPT-20125/5	56159 M20×125	20	125	5	-	22	20	-	99	200	25	25	5906675233734
R-XPT-20160/20	56160 M20×160	20	160	40	20	22	20	119	99	200	25	25	5906675233741
R-XPT-20200/60	56164 M20×200	20	200	80	60	22	20	119	99	200	10	10	5906675233758
R-XPT-20300/160	56166 M20×300	20	300	180	160	22	20	119	99	200	10	10	5906675233765
R-XPT-24180/20	56168 M24×180	24	180	35	20	26	24	135	120	320	10	10	5906675233772
R-XPT-24260/100	56172 M24×260	24	260	115	100	26	24	135	120	320	10	10	5906675233789
R-XPT-24300/140	56175 M24×300	24	300	155	140	26	24	135	120	320	10	10	5906675233796

R-RBL Rawlbolt - loose bolt

World's most popular all-purpose expanding shield anchor - loose bolt version



Approvals and Reports

- ETA-11/0479



Installation guide movie

Features and benefits

- RAWLBOLT® - first ever mechanical anchor in the world, forerunner of all of the later mechanical anchors
- For use in cracked and non-cracked concrete (ETA option 1), hollow-core slabs, flooring blocks and ceramics
- Product recommended for applications requiring fire resistance
Three-pieces expanding sleeve of maximum expansion provides optimal load and safety of use in any substrate
- Bolt lengths suitable for fixture thickness up to 150mm
- Ferrule marked with hole diameter to ensure correct installation
- Optimum taper nut angle for optimum expansion in all recommended substrates
- Wide range of diameters (M6 to M24)

Applications

- Roller shutter doors
- Fire doors
- Structural steelwork
- Security grills
- Heavy machinery
- Pipework/ductwork supports

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60
- Unreinforced concrete
- Reinforced concrete

Also suitable for use in:

- Solid clay brick 20MPa
- Hollow Sand-lime Brick 15MPa
- Natural Stone
- Hollow Lightweight Concrete Block
- Hollow-core Slab
- Concrete hollow floor block (eg. Teriva)



Rawlplug code	Anchor		Fixture		Max fixture thickness (T _{fix})		Hole diameter (h _o)	Minimum hole depth (h _e)	Recommended torque (T _{inst})		Quantity		Barcode
			Max. thickness	Hole diameter	Max.	Min.			Concrete	Brickwork	Box	Outer	
	Diameter	Length					mm	mm					
R-RBL-M06/10W	M6	55	10	6.5	10	10	12	50	6.5	5	50	400	5906675283210
R-RBL-M06/25W	M6	70	25	6.5	25	25	12	50	6.5	5	50	400	5906675283234
R-RBL-M06/40W	M6	85	40	6.5	40	40	12	50	6.5	5	50	50	5906675283258
R-RBL-M08/10W	M8	65	10	9	10	10	14	55	15	7.5	50	400	5906675283272
R-RBL-M08/25W	M8	80	25	9	25	25	14	55	15	7.5	50	50	5906675283296
R-RBL-M08/40W	M8	95	40	9	40	40	14	55	15	7.5	50	50	5906675283319
R-RBL-M10/10W	M10	75	10	11	10	10	16	65	27	13	50	50	5906675283333
R-RBL-M10/25W	M10	90	25	11	25	25	16	65	27	13	50	50	5906675283357
R-RBL-M10/50W	M10	115	50	11	50	50	16	65	27	13	50	50	5906675283371
R-RBL-M10/75W	M10	140	75	11	75	75	16	65	27	13	50	50	5906675283395
R-RBL-M12/10W	M12	90	10	13	10	10	20	85	50	23	25	25	5906675283401
R-RBL-M12/25W	M12	105	25	13	25	25	20	85	50	23	25	25	5906675283418
R-RBL-M12/40W	M12	120	40	13	40	40	20	85	50	23	25	25	5906675283425
R-RBL-M12/60W	M12	140	60	13	60	60	20	85	50	23	25	25	5906675283432
R-RBL-M16/15W	M16	135	15	17	15	15	25	125	120	-	10	10	5906675283449
R-RBL-M16/30W	M16	150	30	17	30	10	25	125	120	-	10	10	5906675283456
R-RBL-M16/60W	M16	180	60	17	60	30	25	125	120	-	10	10	5906675283463
R-RBL-M20/60W	M20	195	60	22	60	25	32	140	230	-	10	10	5906675283487
R-RBL-M20/100W	M20	235	110	22	100	60	32	140	230	-	10	10	5906675283470
R-RBL-M24/100W	M24	255	100	26	100	25	38	160	400	-	5	5	5906675283494
R-RBL-M24/150W	M24	300	150	26	150	100	38	160	400	-	10	10	5906675283500

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R-RBP Rawlbolt - bolt projecting

World's most popular all-purpose expanding shield anchor - bolt projecting version



Approvals and Reports

- ETA-11/0479



Installation guide movie

Features and benefits

- RAWLBOLT® - first ever mechanical anchor in the world, forerunner of all of the later mechanical anchors
- For use in cracked and non-cracked concrete (ETA option 1), hollow-core slabs, flooring blocks and ceramics
- Product recommended for applications requiring fire resistance
Three-pieces expanding sleeve of maximum expansion provides optimal load and safety of use in any substrate
- Wide range of diameters (M6 to M24)

Applications

- Roller shutter doors
- Fire doors
- Steelwork
- Security grills
- Heavy machinery
- Pipework/duct work support

Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60
- Unreinforced concrete
- Reinforced concrete

Also suitable for use in:

- Solid clay brick 20MPa
- Hollow Sand-lime Brick 15MPa
- Natural Stone
- Hollow Lightweight Concrete Block
- Hollow-core Slab
- Concrete hollow floor block (eg. Teriva)



Rawlplug code	Anchor			Fixture		Max fixture thickness (T _{fix})		Hole diameter (d _o)	Minimum hole depth (h _o)	Recommended torque (T _{inst})		Quantity		Barcode
	Drill size	Diameter	Length	Max. thickness	Hole diameter	Maximum	Minimum			Concrete	Brickwork	Box	Outer	
R-RBP-M06/10W	12	M6	65	10	6.5	10		12	50	6.5	5	50	400	5906675283593
R-RBP-M06/25W	12	M6	80	25	6.5	25		12	50	6.5	5	50	400	5906675283616
R-RBP-M06/60W	12	M6	115	60	6.5	60		12	50	6.5	5	50	50	5906675283630
R-RBP-M08/10W	14	M8	75	10	9	10		14	55	15	7.5	50	400	5906675283654
R-RBP-M08/25W	14	M8	90	25	9	25		14	55	15	7.5	50	50	5906675283678
R-RBP-M08/60W	14	M8	125	60	9	60		14	55	15	7.5	50	50	5906675283692
R-RBP-M10/15W	16	M10	90	15	11	15		16	65	27	13	50	50	5906675283715
R-RBP-M10/30W	16	M10	105	30	11	30		16	65	27	13	50	50	5906675283739
R-RBP-M10/60W	16	M10	135	60	11	60		16	65	27	13	50	50	5906675283753
R-RBP-M12/15W	20	M12	110	15	13	15		20	85	50	23	25	25	5906675283760
R-RBP-M12/30W	20	M12	125	30	13	30		20	85	50	23	25	25	5906675283777
R-RBP-M12/75W	20	M12	170	75	13	75		20	85	50	23	25	25	5906675283784
R-RBP-M16/15W	25	M16	150	15	17	15		25	125	120	-	10	10	5906675283791
R-RBP-M16/35W	25	M16	170	35	17	35	10	25	125	120	-	10	10	5906675283807
R-RBP-M16/75W	25	M16	210	75	17	75	35	25	125	120	-	10	10	5906675283814
R-RBP-M20/15W	32	M20	170	15	22	15		32	140	230	-	10	10	5906675283821
R-RBP-M20/30W	32	WM20	185	30	22	30	10	32	140	230	-	10	10	5906675283838
R-RBP-M20/100W	32	M20	255	100	22	100	30	32	140	230	-	10	10	5906675284781
R-RBP-M24/75W	38	M24	255	75	26	75		38	160	400	-	5	5	5906675283852
R-RBP-M24/150W	38	M24	255	75	-							-	-	

R-RBL-PF, R-RBP-PF RAWLBOLT Collar

World's most popular all-purpose expanding shield anchor - bolt projecting version



Approvals and Reports

- AT-15-7280/2014



Features and benefits

- For use in concrete, hollowcore slabs, flooring blocks and ceramics
- Plastic ferrule simplifies installation in hollow substrates
- Product recommended for applications requiring fire resistance
- Wide range of diameters (M6 to M24)
- Three-piece expanding sleeve provides maximum expansion to ensure optimum loads and safety are achieved in various substrates

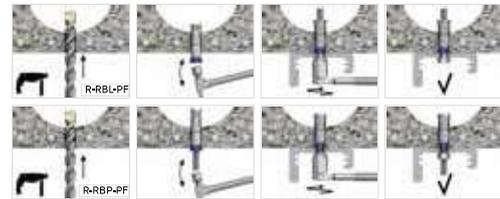
Applications

- Roller shutter doors
- Fire doors
- Steelwork
- Security grills
- Machinery
- Pipework/ductwork supports

Base materials

Approved for use in:

- Hollow concrete slab min. C20/25
- Solid brick
- Hollow sand-lime brick min. C20/25
- Hollow lightweight
- Concrete block



Size	Rawlplug code	Anchor		Fixture		Quantity [pcs]		Weight [kg]		Barcode
		Diameter [mm]	Length [mm]	Max. thickness mm	Hole diameter mm	Box	Outer	Box	Outer	
Rawlbolt R-RBL-PF Loose Bolt										
M6	R-RBL-PF-M06/10W	6	55	10	6.5	50	400	1.6	12.4	
	R-RBL-PF-M06/25W	6	70	25	6.5	50	400	1.6	12.8	
	R-RBL-PF-M06/40W	6	85	40	6.5	50	50	1.9	1.9	
M8	R-RBL-PF-M08/10W	8	65	10	9	50	400	2.7	21.6	
	R-RBL-PF-M08/25W	8	80	25	9	50	50	3.0	3.0	
	R-RBL-PF-M08/40W	8	95	40	9	50	50	3.3	3.3	
M10	R-RBL-PF-M10/10W	10	75	10	11	50	50	4.6	4.6	
	R-RBL-PF-M10/25W	10	90	25	11	50	50	5.0	5.0	
	R-RBL-PF-M10/50W	10	115	50	11	50	50	5.7	5.7	
	R-RBL-PF-M10/75W	10	140	75	11	50	50	6.4	6.4	
M12	R-RBL-PF-M12/10W	12	90	10	13	25	25	4.3	4.3	
	R-RBL-PF-M12/25W	12	105	25	13	25	25	4.6	4.6	
	R-RBL-PF-M12/40W	12	120	40	13	25	25	4.6	4.6	
	R-RBL-PF-M12/60W	12	140	60	13	25	25	5.2	5.2	
Rawlbolt R-RBP-PF Bolt Projecting										
M6	R-RBP-PF-M06/10W	6	65	10	6.5	50	400	2.8	22.4	
	R-RBP-PF-M06/25W	6	80	25	6.5	50	400	1.7	13.2	
	R-RBP-PF-M06/60W	6	115	60	6.5	50	50	2.0	2.0	
M8	R-RBP-PF-M08/10W	8	75	10	9	50	400	2.8	22.4	
	R-RBP-PF-M08/25W	8	90	25	9	50	50	3.1	3.1	
	R-RBP-PF-M08/60W	8	125	60	9	50	50	3.6	3.6	
M10	R-RBP-PF-M10/15W	10	90	15	11	50	50	4.9	4.9	
	R-RBP-PF-M10/30W	10	105	30	11	50	50	5.3	5.3	
	R-RBP-PF-M10/60W	10	135	60	11	50	50	6.0	6.0	
M12	R-RBP-PF-M12/15W	12	110	15	13	25	25	4.1	4.1	
	R-RBP-PF-M12/30W	12	125	30	13	25	25	5.0	5.0	
	R-RBP-PF-M12/75W	12	170	75	13	25	25	5.8	5.8	

R-RBL-H Rawlbolt - hook bolt

World's most popular all-purpose expanding shield anchor - hook bolt version



Installation guide movie



Features and benefits

- Hook designed & manufactured for maximum performance
- Ferrule marked with hole diameter to ensure correct installation
- Pressed steel segments ensure consistent dimensional accuracy
- Forged hook for strength and safety in use

Applications

- Supporting guy ropes, stays and cables
- Supporting ladder restraints

Base materials

Suitable for use in:

- Concrete
- Natural Stone
- Hollow-core Slab
- Hollow Brick



Rawlplug code	Anchor			Hole diameter (d _o)	Minimum hole depth (h _o)	Diameter in hook (H)	Recommended torque (T _{inst})		Quantity		Barcode
	code	Diameter	Length				Concrete	Brickwork	Box	Outer	
	mm	mm	mm								
R-RBL-06HW	12	M6	83	12	50	8	6.5	5	25	400	5906675283135
R-RBL-08HW	14	M8	98	14	55	10	15	7.5	25	25	5906675283159
R-RBL-10HW	16	M10	120	16	65	12	27	13	25	25	5906675283173
R-RBL-12HW	20	M12	145	20	85	16	50	23	25	25	5906675283197

R-RBL-E Rawlbolt - eye bolt

World's most popular all-purpose expanding shield anchor - eye bolt version



Installation guide movie



Features and benefits

- Eyebolt designed & manufactured for maximum performance
- Ferrule marked with hole diameter to ensure correct installation
- Pressed steel segments ensure consistent dimensional accuracy
- Forged eye for strength and safety in use

Applications

- Supporting guy ropes, stays and cables
- Supporting ladder restraints

Base materials

Suitable for use in:

- Concrete
- Natural Stone
- Hollow-core Slab
- Hollow Brick



Rawlplug code	Anchor			Hole diameter (d _o)	Minimum hole depth (h _o)	Diameter in eye (E)	Recommended torque (T _{inst})		Quantity		Barcode
	code	Diameter	Length				Concrete	Brickwork	Box	Outer	
	mm	mm	mm								
R-RBL-06EW	12	M6	73	12	50	10	6.5	5	25	400	5906675283128
R-RBL-08EW	14	M8	87	14	55	12	15	7.5	25	200	5906675283142
R-RBL-10EW	16	M10	108	16	65	14	27	13	25	25	5906675283166
R-RBL-12EW	20	M12	130	20	85	17	50	23	25	25	5906675283180

R-RB Rawlbolt shield

World's most popular all-purpose expanding shield anchor - shield



Installation guide movie



Features and benefits

- Optimum taper nut angle for optimum expansion in all recommended substrates
- Ferrule marked with hole diameter to ensure correct installation
- Pressed steel segments ensure consistent dimensional accuracy

Applications

- Roller shutter doors
- Fire doors
- Wall plates
- Security grills
- Signs
- Fencing
- Pipework/duct work support
- Machinery

Base materials

Suitable for use in:

- Concrete
- Natural Stone
- Hollow-core Slab
- Hollow Brick



Rawlplug code	Anchor			Fixture	Hole diameter (h _o)	Minimum hole depth (h _o)	Minimum substrate thickness (h _{min})	Minimum substrate thickness (h _{min})		Quantity		Barcode
	code	Diameter	Length	Hole diameter				Concrete	Brickwork	Box	Outer	
	mm											
R-RB-M06W	12	M6	45	6.5	12	50	70	6.5	5	100	800	5906675283517
R-RB-M08W	14	M8	50	9	14	55	80	15	7.5	100	100	5906675283524
R-RB-M10W	16	M10	60	11	16	65	100	27	13	100	100	5906675283531
R-RB-M12W	20	M12	75	13	20	85	120	50	23	50	50	5906675283548
R-RB-M16W	25	M16	115	17	25	125	190	120	-	25	25	5906675283555
R-RB-M20W	32	M20	130	22	32	140	220	230	-	15	15	5906675283562
R-RB-M24W	38	M24	150	26	38	160	240	400	-	5	5	5906675283579

Sleeve anchor R-KT-SS Stainless steel, R-KT Zinc-plated, R-KT-HDG

All purpose expansion anchor for use in applications in concrete and clay brick



Features and benefits

- Lightweight mechanical sleeve anchor
- Easy and fast installation
- Suitable for temporary fixings

Applications

- Radiators
- Satellite dishes
- Signs
- Shutter
- Garage doors

Base materials

Approved for use in:

- Solid Brick
- Concrete



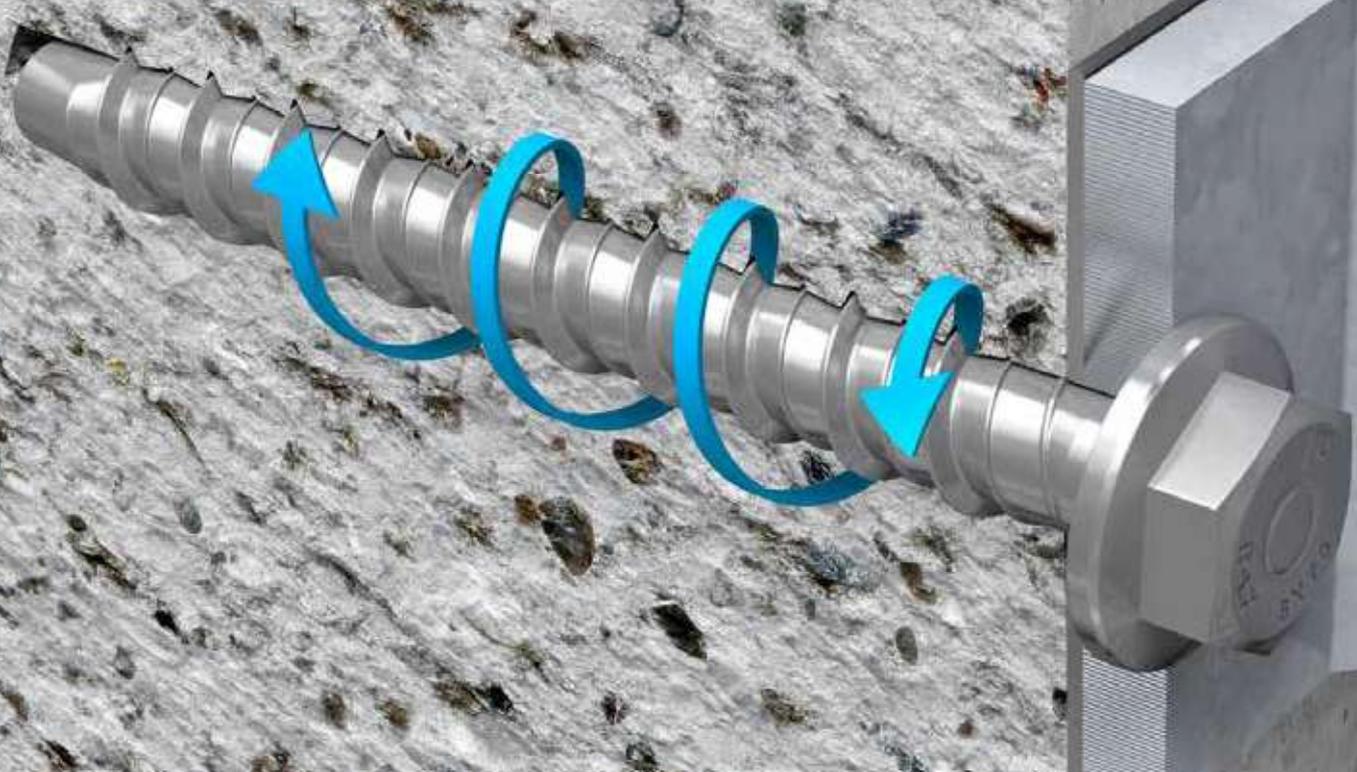
Size	Rawlplug code	Anchor			Fixture		Embedment depth	Hole depth	Barcode
		Thread diameter	External diameter	Length	Max. thickness	Hole diameter			
		[mm]	[mm]	[mm]	[mm]	[mm]			
R-KT-SS Stainless steel low weight mechanical sleeve anchor									
M4.5	R-KT-06040-SS	4.5	6	44.9	10	7	35	40	
	R-KT-06060-SS	4.5	6	66.4	21	7	35	40	

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Sleeve anchor R-KT-SS Stainless steel, R-KT Zinc-plated, R-KT-HDG (cont.)

Size	Rawlplug code	Anchor			Fixture		Embedment depth [mm]	Hole depth [mm]	Barcode	
		Thread diameter	External diameter	Length	Max. thickness	Hole diameter				
		[mm]	[mm]	[mm]	[mm]	[mm]				
M6	R-KT-08040-SS	6	8	46.1	10	9	35	40		
	R-KT-08065-SS	6	8	71.9	20	9	40	50		
M8	R-KT-10075-SS	8	10	80.3	23	11	45	55		
	R-KT-10080-SS	8	10	85.3	28	11	45	55		
	R-KT-10103-SS	8	10	110.3	53	11	45	55		
	R-KT-10125-SS	8	10	130.3	73	11	45	55		
M10	R-KT-12060-SS	10	12	68.9	10	14	50	60		
	R-KT-12070-SS	10	12	78.9	6	14	55	65		
	R-KT-12100-SS	10	12	107.9	35	14	55	65		
	R-KT-12125-SS	10	12	133.9	61	14	55	65		
R-KT Zinc-plated lightweight mechanical sleeve anchor										
M4.5	R-KT-06026	4.5	6	32.7	10	7	22	27		
	R-KT-06040	4.5	6	44.9	10	7	35	40		
	R-KT-06060	4.5	6	66.4	21	7	35	40		
M6	R-KT-08040	6	8	46.1	10	9	35	40		
	R-KT-08065	6	8	71.9	20	9	40	50		
	R-KT-08090	6	8	96.9	45	9	40	50		
M8	R-KT-10040	8	10	47.4	10	11	35	40		
	R-KT-10050	8	10	56.7	8	11	35	40		
	R-KT-10075	8	10	80.3	23	11	45	55		
	R-KT-10080	8	10	85.3	28	11	45	55		
	R-KT-10100	8	10	103	43	11	45	55		
	R-KT-10103	8	10	110.3	53	11	45	55		
M10	R-KT-10125	8	10	130.3	73	11	45	55		
	R-KT-12060	10	12	68.9	10	14	50	60		
	R-KT-12070	10	12	78.9	6	14	55	65		
	R-KT-12100	10	12	107.9	35	14	55	65		
M12	R-KT-12125	10	12	133.9	61	14	55	65		
	R-KT-16065	12	16	75.9	10	18	55	65		
	R-KT-16110	12	16	122.5	41	18	60	70		
M16	R-KT-16140	12	16	150.3	69	18	60	70		
	R-KT-20080	16	20	95.9	4	22	65	75		
	R-KT-20115	16	20	131.9	10	22	65	75		
M16	R-KT-20160	16	20	176.9	85	22	65	75		
	R-KT-HDG Hot dip galvanised lightweight mechanical sleeve anchor									
	M8	R-KT-10040-HDG	8	10	47.4	10	11	35	40	
R-KT-10050-HDG		8	10	56.7	8	11	35	40		
R-KT-10075-HDG		8	10	80.3	23	11	45	55		
R-KT-10100-HDG		8	10	103	43	11	45	55		
M10	R-KT-10125-HDG	8	10	130.3	73	11	45	55		
	R-KT-12060-HDG	10	12	68.9	10	14	50	60		
	R-KT-12070-HDG	10	12	78.9	6	14	55	65		
	R-KT-12100-HDG	10	12	107.9	35	14	55	65		
M12	R-KT-12125-HDG	10	12	133.9	61	14	55	65		
	R-KT-16065-HDG	12	16	75.9	10	18	55	65		
	R-KT-16110-HDG	12	16	122.5	41	18	60	70		
M16	R-KT-16140-HDG	12	16	150.3	69	18	60	70		
	R-KT-20080-HDG	16	20	95.9	4	22	65	75		
	R-KT-20115-HDG	16	20	131.9	10	22	65	75		

R-LX HIGH PERFORMANCE CONCRETE SCREW



WIDE ARRAY OF ADVANTAGES



QUICK INSTALLATION
Streamlined procedure
- drill&drive



REUSABLE
For temporary
fixing



**LOW SPACING
AND EDGE
DISTANCE**
For demanding applications



ADJUSTABLE
Whenever correction
is needed



**COMPLETELY
REMOVABLE**
Practical choice on site



**4 TYPES
OF HEADS**
For wide range
of application

- 1. R-LX-HF** HEXAGONAL HEAD WITH FLANGE
- 2. R-LX-H** HEXAGONAL HEAD WITHOUT FLANGE
- 3. R-LX-CS** COUNTERSUNK HEAD
- 4. R-LX-I** INTERNAL THREADED HEAD



R-LX Concrete screwbolt

Self-tapping concrete screwbolt



Approvals and Reports

- Pending



Installation guide movie

Features and benefits

- Time-efficient installation through streamlined procedure - simply drill and drive
- Completely removable
- Special zinc flake corrosion-resistant coating
- Unique design with patented threadform ensures high performance for relatively small hole diameter
- Integral washer ensures a neat overall appearance
- Non-expansion functioning ensures low risk of damage to base material and makes R-LX ideal for installation near edges and adjacent anchors

Applications

- Through-fixing
- Temporary anchorages
- Formwork supports
- Balustrading & handrails
- Fencing & gates
- Racking systems
- Public seating
- Scaffolding

Base materials

Approved for use in:

- Concrete
- Solid brick
- Solid concrete block
- Aerated concrete block
- High density natural stone



Size	Rawlplug code	Drill	Anchor		Fixture			Quantity [pcs]	Barcode
			Diameter	Length	Max. thickness		Hole diameter	Box	
			d [mm]	L [mm]	t _{fix,r} [mm]	t _{fix,s} [mm]	d _f [mm]		
R-LX-HF Hex with Flange Concrete Screw Anchor									
Ø6,3	R-LX-05X050-HF-ZP/R-LX-05X050-HF-ZF*	5.0	6.3	50	25	10	7	100	
	R-LX-05X075-HF-ZP/R-LX-05X075-HF-ZF*	5.0	6.3	75	50	35	7	100	
Ø7,5	R-LX-06X050-HF-ZP/R-LX-06X050-HF-ZF*	6.0	7.5	50	10	-	9	100	
	R-LX-06X075-HF-ZP/R-LX-06X075-HF-ZF*	6.0	7.5	75	35	20	9	100	
	R-LX-06X100-HF-ZP/R-LX-06X100-HF-ZF*	6.0	7.5	100	60	45	9	100	
	R-LX-06X130-HF-ZP/R-LX-06X130-HF-ZF*	6.0	7.5	130	90	75	9	100	
	R-LX-06X150-HF-ZP/R-LX-06X150-HF-ZF*	6.0	7.5	150	110	95	9	100	
Ø10	R-LX-08X060-HF-ZP/R-LX-08X060-HF-ZF*	8.0	10	60	10	-	12	100	
	R-LX-08X075-HF-ZP/R-LX-08X075-HF-ZF*	8.0	10	75	25	5	12	100	
	R-LX-08X090-HF-ZP/R-LX-08X090-HF-ZF*	8.0	10	90	40	20	12	100	
	R-LX-08X100-HF-ZP/R-LX-08X100-HF-ZF*	8.0	10	100	50	30	12	100	
	R-LX-08X130-HF-ZP/R-LX-08X130-HF-ZF*	8.0	10	130	80	60	12	50	
Ø12,5	R-LX-10X065-HF-ZP/R-LX-10X065-HF-ZF*	10.0	12.5	65	10	-	14	50	
	R-LX-10X075-HF-ZP/R-LX-10X075-HF-ZF*	10.0	12.5	75	20	-	14	50	
	R-LX-10X085-HF-ZP/R-LX-10X085-HF-ZF*	10.0	12.5	85	30	-	14	50	
	R-LX-10X100-HF-ZP/R-LX-10X100-HF-ZF*	10.0	12.5	100	45	15	14	50	
	R-LX-10X120-HF-ZP/R-LX-10X120-HF-ZF*	10.0	12.5	120	65	35	14	25	
	R-LX-10X140-HF-ZP/R-LX-10X140-HF-ZF*	10.0	12.5	140	85	55	14	25	
	R-LX-10X160-HF-ZP/R-LX-10X160-HF-ZF*	10.0	12.5	160	105	75	14	20	
Ø17	R-LX-14X080-HF-ZP/R-LX-14X080-HF-ZF*	14.0	17	80	5	-	18	20	
	R-LX-14X105-HF-ZP/R-LX-14X105-HF-ZF*	14.0	17	105	30	-	18	20	
	R-LX-14X115-HF-ZP/R-LX-14X115-HF-ZF*	14.0	17	115	40	-	18	20	
	R-LX-14X135-HF-ZP/R-LX-14X135-HF-ZF*	14.0	17	135	60	15	18	20	
R-LX-H Hex without Flange Concrete Screw Anchor									
Ø6,3	R-LX-05X050-H-ZP/R-LX-05X050-H-ZF*	5.0	6.3	50	25	10	7	100	
	R-LX-05X075-H-ZP/R-LX-05X075-H-ZF*	5.0	6.3	75	50	35	7	100	
Ø7,5	R-LX-06X050-H-ZP/R-LX-06X050-H-ZF*	6.0	7.5	50	10	-	9	100	
	R-LX-06X075-H-ZP/R-LX-06X075-H-ZF*	6.0	7.5	75	35	20	9	100	
	R-LX-06X100-H-ZP/R-LX-06X100-H-ZF*	6.0	7.5	100	60	45	9	100	
	R-LX-06X130-H-ZP/R-LX-06X130-H-ZF*	6.0	7.5	130	90	75	9	100	
	R-LX-06X150-H-ZP/R-LX-06X150-H-ZF*	6.0	7.5	150	110	95	9	100	
Ø10	R-LX-08X060-H-ZP/R-LX-08X060-H-ZF*	8.0	10	60	10	-	12	100	
	R-LX-08X075-H-ZP/R-LX-08X075-H-ZF*	8.0	10	75	25	5	12	100	
	R-LX-08X090-H-ZP/R-LX-08X090-H-ZF*	8.0	10	90	40	20	12	100	

R-LX Concrete screwbolt (cont.)

Size	Rawlplug code	Drill	Anchor		Fixture			Quantity [pcs]	Barcode
			Diameter	Length	Max. thickness		Hole diameter	Box	
			d [mm]	L [mm]	t _{fix,r} [mm]	t _{fix,s} [mm]	d _f [mm]		
Ø10	R-LX-08X100-H-ZP/R-LX-08X100-H-ZF*	8.0	10	100	50	30	12	100	
	R-LX-08X130-H-ZP/R-LX-08X130-H-ZF*	8.0	10	130	80	60	12	50	
	R-LX-08X150-H-ZP/R-LX-08X150-H-ZF*	8.0	10	150	100	80	12	50	
Ø12,5	R-LX-10X065-H-ZP/R-LX-10X065-H-ZF*	10.0	12.5	65	10	-	14	50	
	R-LX-10X075-H-ZP/R-LX-10X075-H-ZF*	10.0	12.5	75	20	-	14	50	
	R-LX-10X085-H-ZP/R-LX-10X085-H-ZF*	10.0	12.5	85	30	-	14	50	
	R-LX-10X100-H-ZP/R-LX-10X100-H-ZF*	10.0	12.5	100	45	15	14	50	
	R-LX-10X120-H-ZP/R-LX-10X120-H-ZF*	10.0	12.5	120	65	35	14	25	
	R-LX-10X140-H-ZP/R-LX-10X140-H-ZF*	10.0	12.5	140	85	55	14	25	
	R-LX-10X160-H-ZP/R-LX-10X160-H-ZF*	10.0	12.5	160	105	75	14	20	
Ø17	R-LX-14X080-H-ZP/R-LX-14X080-H-ZF*	14.0	17	80	5	-	18	20	
	R-LX-14X105-H-ZP/R-LX-14X105-H-ZF*	14.0	17	105	30	-	18	20	
	R-LX-14X115-H-ZP/R-LX-14X115-H-ZF*	14.0	17	115	40	-	18	20	
	R-LX-14X135-H-ZP/R-LX-14X135-H-ZF*	14.0	17	135	60	15	18	20	
R-LX-CS Countersunk Concrete Screw Anchor									
Ø6,3	R-LX-05X050-CS-ZP/R-LX-05X050-CS-ZF*	5.0	6.3	50	25	10	7	100	
	R-LX-05X075-CS-ZP/R-LX-05X075-CS-ZF*	5.0	6.3	75	50	35	7	100	
Ø7,5	R-LX-06X050-CS-ZP/R-LX-06X050-CS-ZF*	6.0	7.5	50	10	-	9	100	
	R-LX-06X075-CS-ZP/R-LX-06X075-CS-ZF*	6.0	7.5	75	35	20	9	100	
	R-LX-06X100-CS-ZP/R-LX-06X100-CS-ZF*	6.0	7.5	100	60	45	9	100	
	R-LX-06X130-CS-ZP/R-LX-06X130-CS-ZF*	6.0	7.5	130	90	75	9	100	
	R-LX-06X150-CS-ZP/R-LX-06X150-CS-ZF*	6.0	7.5	150	110	95	9	100	
Ø10	R-LX-08X060-CS-ZP/R-LX-08X060-CS-ZF*	8.0	10	60	10	-	12	100	
	R-LX-08X075-CS-ZP/R-LX-08X075-CS-ZF*	8.0	10	75	25	5	12	100	
	R-LX-08X090-CS-ZP/R-LX-08X090-CS-ZF*	8.0	10	90	40	20	12	100	
	R-LX-08X100-CS-ZP/R-LX-08X100-CS-ZF*	8.0	10	100	50	30	12	100	
	R-LX-08X130-CS-ZP/R-LX-08X130-CS-ZF*	8.0	10	130	80	60	12	50	
	R-LX-08X150-CS-ZP/R-LX-08X150-CS-ZF*	8.0	10	150	100	80	12	50	
Ø12,5	R-LX-10X065-CS-ZP/R-LX-10X065-CS-ZF*	10.0	12.5	65	10	-	14	50	
	R-LX-10X075-CS-ZP/R-LX-10X075-CS-ZF*	10.0	12.5	75	20	-	14	50	
	R-LX-10X085-CS-ZP/R-LX-10X085-CS-ZF*	10.0	12.5	85	30	-	14	50	
	R-LX-10X100-CS-ZP/R-LX-10X100-CS-ZF*	10.0	12.5	100	45	15	14	50	
	R-LX-10X120-CS-ZP/R-LX-10X120-CS-ZF*	10.0	12.5	120	65	35	14	25	
	R-LX-10X140-CS-ZP/R-LX-10X140-CS-ZF*	10.0	12.5	140	85	55	14	25	
	R-LX-10X160-CS-ZP/R-LX-10X160-CS-ZF*	10.0	12.5	160	105	75	14	20	
Ø17	R-LX-14X080-CS-ZP/R-LX-14X080-CS-ZF*	14.0	17	80	5	-	18	20	
	R-LX-14X105-CS-ZP/R-LX-14X105-CS-ZF*	14.0	17	105	30	-	18	20	
	R-LX-14X115-CS-ZP/R-LX-14X115-CS-ZF*	14.0	17	115	40	-	18	20	
	R-LX-14X135-CS-ZP/R-LX-14X135-CS-ZF*	14.0	17	135	60	15	18	20	

Size	Rawlplug code	Drill	Anchor			Fixture		Quantity [pcs]	Barcode
			Diameter	Length	Socket diameter	Max. thickness		Box	
			d [mm]	L [mm]	d _f [mm]	t _{fix,r} [mm]	t _{fix,s} [mm]		
R-LX-I Internal Threaded Head Screw Anchor									
Ø6,3	R-LX-05X035-I06-ZP/ R-LX-05X035-I06-ZF*	5.0	6.3	35	6	depending on application		100	
	R-LX-05X050-I06-ZP/ R-LX-05X050-I06-ZF*	5.0	6.3	50	6	depending on application		100	
Ø7,5	R-LX-06X035-I08-ZP/ R-LX-06X035-I08-ZF*	6.0	7.5	35	8	depending on application		100	
	R-LX-06X035-I10-ZP/ R-LX-06X035-I10-ZF*	6.0	7.5	35	10	depending on application		100	
	R-LX-06X055-I08-ZP/ R-LX-06X055-I08-ZF*	6.0	7.5	55	8	depending on application		100	
	R-LX-06X055-I10-ZP/ R-LX-06X055-I10-ZF*	6.0	7.5	55	10	depending on application		100	
Ø10	R-LX-08X060-I10-ZP/ R-LX-08X060-I10-ZF*	8.0	10	60	10	depending on application		100	
	R-LX-08X075-I10-ZP/ R-LX-08X075-I10-ZF*	8.0	10	75	10	depending on application		100	
Ø12,5	R-LX-10X065-I12-ZP/ R-LX-10X065-I12-ZF*	10.0	12.5	65	12	depending on application		50	

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R-RLK Rawlok

All purpose expansion anchor for use in medium weight applications.



R-RLK-L



R-RLK-P

Features and benefits

- 5.8 grade bolt for high performance.
- Bolt and drill size marked on sleeve for accurate installation.
- Integral collapse feature to ensure maximum clamping force is applied to the fixture.
- Anchor designed for optimum performance in most base materials.



Applications

- Stadium seating
- Radiators
- Signs
- Satellite dishes
- Wall plates
- Shutters
- Garage doors

Base materials

Suitable for use in:

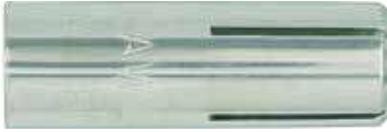
- Concrete
- Brickwork
- Blockwork
- Stone



Rawlplug code	Ireland code	Anchor			Fixture		Minimum hole depth (h _o)	Quantity	Barcode
		Drill size	Diameter	Length	Max. thickness	Hole diameter		Box	
								mm	
R-RLK Rawlok Loose Bolt - Zinc Plated									
R-RLK-L-08060	ARK9715UK	10	M8	60	15	12	45	50	5010445697142
R-RLK-L-08080	ARK9716	10	M8	80	35	12	45	50	5010445697166
	ARK9720	12	M10	60	15	14	55	25	5010445697203
R-RLK-L-10070	ARK9722	12	M10	70	14	14	55	25	5010445697227
R-RLK-L-10100		12	M10	100	44	14		25	
R-RLK Rawlok Bolt Projecting - Zinc Plated									
R-RLK-P-05056		6.5	M5	56	25	8		100	
R-RLK-P-06040	ARK9508	8	M6	40	10	10	35	100	5010445695087
R-RLK-P-06065	ARK9510	8	M6	65	35	10	35	50	5010445695100
R-RLK-P-08050	ARK9514	10	M8	50	10	12	40	50	5010445695148
R-RLK-P-08075	ARK9516	10	M8	75	36	12	40	50	5010445695162
R-RLK-P-08095	ARK9518	10	M8	95	55	12	40	25	5010445695186
R-RLK-P-10060	ARK9520	12	M10	60	10	14	55	25	5010445695209
R-RLK-P-10070	ARK9522	12	M10	75	27	14	55	25	5010445695223
R-RLK-P-10100	ARK9524	12	M10	100	50	14	55	10	5010445695247
R-RLK-P-10130	ARK9525	12	M10	130	80	14	55	10	5010445695254
R-RLK-P-12110	ARK9528	16	M12	110	55	18	60	10	5010445695285
R-RLK-P-12145	ARK9530	16	M12	145	85	18	60	10	5010445695308

R-DCA / R-DCA-A4 Drop in anchor

Internally threaded drop in anchor for simple hammer-set installation



Versions

- R-DCA - Steel
- R-DCA-A4 - Stainless Steel

Approvals and Reports

- ETA-13/0584
- A1 Fire Resistance (96/603/EC)



Installation guide movie



Features and benefits

- High performance in cracked and non-cracked concrete confirmed by ETA
- Product recommended for applications requiring fire resistance
- Stainless steel material for high resistance to corrosion
- Easy to install by hammer action
- Slotted sleeve and internal wedge component together facilitate easy setting and expansion

Applications

- Pipelines systems
- Ventilation systems
- Sprinkler systems
- Cable conduits and wires
- Gratings

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Unreinforced concrete
- Reinforced concrete



Rawplug code	Anchor			Fixture	Quantity		Barcode
	Drill size	Diameter	Length	Hole diameter	Box	Outer	
	mm		mm	mm	pcs	pcs	
R-DCA							
R-DCA-06-25	8	M6	25	7	100	1000	
R-DCA-08-30	10	M8	30	9	100	1000	
R-DCA-10-40	12	M10	40	12	50	50	
R-DCA-12-50	15	M12	50	14	50	50	
R-DCA-16-65	20	M16	65	18	25	100	
R-DCA-20-80	25	M20	80	22	15	90	
R-DCA-A4							
R-DCA-06-25-A4	8	M6	25	7	100	1000	
R-DCA-08-30-A4	10	M8	30	9	100	1000	
R-DCA-10-40-A4	12	M10	40	12	50	500	
R-DCA-12-50-A4	15	M12	50	14	50	400	
R-DCA-16-65-A4	20	M16	65	18	25	100	

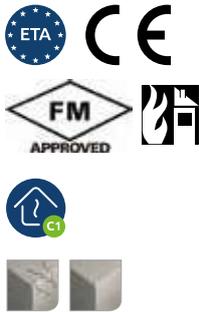
R-DCL Lipped drop in anchor

Internally threaded drop in anchor with lip for simple hammer-set installation



Approvals and Reports

- ETA-13/0584
- A1 Fire Resistance (96/603/EC)



Features and benefits

- High performance in cracked and non-cracked concrete confirmed by ETA
- Product recommended for applications requiring fire resistance
- Internally threaded to be used with threaded stud or bolt
- Easy to install by hammer action
- Slotted sleeve and internal wedge component together facilitate easy setting and expansion

Applications

- Pipelines systems
- Ventilation systems
- Sprinkler systems
- Cable conduits and wires
- Gratings

Base materials

Approved for use in:

- Concrete C20/25-C50/60
- Concrete



Installation guide movie



Rawplug code	Anchor			Fixture Hole diameter mm	Quantity		Barcode
	Drill size	Diameter	Length		Box	Outer	
	mm						
R-DCL-06	8	M6	25	7	100	100	
R-DCL-08	10	M8	30	9	100	100	
R-DCL-10	12	M10	40	12	50	50	
R-DCL-12	15	M12	50	14	50	50	
R-DCL-16	20	M16	65	18	25	25	

Drop In Anchor Setting Tools

Manual setting tool for drop in anchor installation



R-DCA-ST-PLUS



R-DCA-ST

Features and benefits

- Manual installation of drop in anchor

Applications

- Installation of drop in anchor



Rawplug code	Use with Anchor size	Diameter			Quantity		Barcode
		d ₁	d ₂	l ₂	Box	Outer	
		[mm]					
R-DCA-ST-06-PLUS/R-DCA-ST-06	M6	5.0	7.5	14.8	1	186	
R-DCA-ST-08-PLUS/R-DCA-ST-08	M8	6.6	9.5	18.0	1	1	
R-DCA-ST-10-PLUS/R-DCA-ST-10	M10	8.3	11.5	23.0	1	100	
R-DCA-ST-12-PLUS/R-DCA-ST-12	M12	10.2	14.5	28.0	1	1	
R-DCA-ST-16-PLUS/R-DCA-ST-16	M16	13.5	19.5	33.0	1	50	
R-DCA-ST-20-PLUS/R-DCA-ST-20	M20	16.8	24.5	47.0	1	50	



Lightweight Fixings

Overview of our range

FRAME FIXINGS

FRAME FIXINGS	FRAME SCREW	FRAME ANCHORS
Universal frame fixing for installation of door and window frames and many more applications	Frame screw for quick and easy window & door installation in concrete, perforated brick, solid brick and aerated block.	Metal frame anchor for distortion-free fixing of metal frames, directly through the fixture into the substrate
		
FEATURES & BENEFITS:		
<ul style="list-style-type: none"> ▪ The countersunk plug for flush fixing of soft material (eg. timber) ▪ The plug is collared for fixing of hard materials such as steel ▪ Specially-formulated Ultramid nylon allows best performance installation for use in all base material categories according to ETAG 020 (A, B, C, D) ▪ Internal plug geometry designed to fit the screw head and ensures multi-axis expansion. ▪ A4 stainless steel offers improved load-bearing capacities (relative to standard carbon steel) ▪ Special zinc flake corrosion-resistant coating ▪ Embedment depth markings facilitate precise installation ▪ Plug design ensures multi-axis expansion 	<ul style="list-style-type: none"> ▪ Flat head for the comfortable installation in metal window and door frames. ▪ No additional plugs required, making the WHO screw a user-friendly and time-efficient fixing solution ▪ Expansion-free fixing imposes less stress on substrate during installation ▪ Easily removed for temporary works 	<ul style="list-style-type: none"> ▪ Metal sleeve design guards against distortion of the frame ▪ Anti-rotation lugs prevent rotation during tightening ▪ Quick and easy installation. ▪ The cover caps (available separately) can be used to discreetly cover the head of anchor.
FRAME FIXINGS AVAILABLE:		
FF1-L , FF1-K	WHO, WHS	O

LIGHTWEIGHT METAL FIXINGS

CEILING WEDGE ANCHOR	METAL HAMMER FIXING	BRASS EXPANSION FIXING
Cost-effective anchor for fixing lightweight ceilings and suspended ceilings to solid building materials	Lightweight metal anchor consisting of a zinc alloy expanding body with hammer-in steel pin. For light duty fastenings in concrete and masonry.	Brass anchor for medium loads suitable for all screws and studs with a metric thread.
		
FEATURES & BENEFITS:		
<ul style="list-style-type: none"> ▪ This flush-sunk expansion nail signifies the complete expansion of the anchor, ensures minimum movement when under load. ▪ The two hit zone ensure correct installation and high safety in use. ▪ Approved to installation in cracked and non-cracked concrete. ▪ Fire resistance class A1 ▪ Reliable setting thanks to the big collar and simple visual check. 	<ul style="list-style-type: none"> ▪ Low-profile mushroom head provides a nice finish and tamper proof fastening ▪ Suitable for use in fire-rated applications ▪ Impact expansion by hammer, no setting tool is needed. ▪ Designed for easy push-through fastenings, even in bottomless holes. 	<ul style="list-style-type: none"> ▪ Fixing allows the attached item to be reusable ▪ Low installation depth reduces amount of drilling ▪ The internal thread allows for the use of standard metric screws or threaded rods, and for surface flush removal and reuse of the fixing point. This provides great flexibility.
LIGHTWEIGHT METAL FIXINGS AVAILABLE:		
GS	KMW	TM/SRS

All products listed in this publication are branded and distributed with RAWLPLUG® or RAWL® trademarks.

Overview of our range

HAMMER-IN FIXINGS

HAMMER-IN FIXINGS WITH CYLINDER HEAD

HAMMER-IN FIXING WITH MUSHROOM HEAD

HAMMER-IN FIXING WITH COUNTERSUNK HEAD

The hammer fixing with mushroom head for fast, simple, cost-effective installations.



FEATURES & BENEFITS:

- Rapid hammer-set installation reduces the time required and allows for cost-effective, high-volume installation.
- Combination of Phillips recess and the helical thread makes removal of the nail possible, facilitating disassembly when necessary.
- The extensive range of lengths and diameters mushroom head type plug ensures availability of the correct fixing for every scenario
- Designed for push-through installation.
- Nylon material for best quality

HAMMER-IN FIXINGS AVAILABLE:

FX-N-C

FX-N-K

FX-N-L

PLASTIC PLUG

TRULY UNIVERSAL PLUG

UNIVERSAL PLUG

Truly universal plug which fixes into any base material, solid or hollow with unique expands at the top giving instant grip.

High performance universal nylon plug which expands in solid materials and forms a reliable knot formation in all cavities.



FEATURES & BENEFITS:

- Unique geometry guarantees maximum expansion and grip.
- Instant grip resulting from split plug design.
- Anti-rotation features prevent spinning in the hole.
- Lip prevents plug slipping into over-sized holes.
- Unique internal design provides positive grip for screws.
- Anti-rotational lugs promote grip in wide range of substrates including soft masonry materials.
- Rib detail at plug head provides added grip.
- Expanding section designed to collapse in hollow materials and provide positive grip behind surfaces.
- Unique 4 way expansion allowing application in any substrate material and type.
- Solid head design provides strength whilst plug is installed.

PLASTIC PLUG PRODUCTS AVAILABLE:

UNO

4ALL

Overview of our range

PLASTERBOARD FIXING		
INTERSET CAVITY FIXINGS	SELF-DRILL FIXINGS FOR DRYWALL	SPRING TOGGLE
<p>Interaset fixing for permanent anchorages in cavity walls.</p>	<p>Self-drilling light-duty fixing for use in plasterboard sheets and gypsum fibreboards.</p>	<p>Spring toggle for cavity walls and large fixtures with pan head metric screw.</p>
		
FEATURES & BENEFITS:		
<ul style="list-style-type: none"> Due to extensive range the SM INTERSET is suitable for board building materials with a thickness 2-38mm, it allows for a number of different applications. One piece stamping, with integral thread and flange for increased reliability. Hinged legs designed to maximise load-bearing capacity in single or double thickness plasterboard. Fixtures can be removed and re-fitted. Combination head screw supplied. 	<ul style="list-style-type: none"> Flange prevents accidental push through in plasterboard. Short length ideally suited for dry lined walls. Can be used in single and double thickness plasterboard. Must only be used with screws provided. 	<ul style="list-style-type: none"> The long threaded rod of the toggle fixings allows for use with different board thickness and thick attachments, offers maximum flexibility. The wide transition beams ensure a good load distribution. This achieves a high load-bearing capacity. Allows easy installation for fastenings behind thick panels in very flat cavities.
PLASTERBOARD FIXINGS AVAILABLE:		
SM, SM-K, SN	DRA, DRA-M	SPO, SPO-K

FF1

NYLON FRAME FIXING



MULTI-SUBSTRATE PLUG WITH BEST PERFORMANCE



- TWO TYPES OF HEAD
- SPECIAL GRIP FEATURE UNDER WASHER
- SPECIAL ZINC FLAKE CORROSION-RESISTANT COATING
- INTERNAL PLUG GEOMETRY DESIGNED TO ENSURE MULTI-AXIS EXPANSION.
- SPECIALLY-FORMULATED NYLON
- OPTIMISED TIP DESIGN

MANY VERSIONS OF PRODUCT FOR WIDE RANGE APPLICATION:

2 TYPES OF HEAD:

hexagonal head with flange

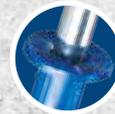
countersunk head



2 TYPES OF PLUG:

collared

countersunk



3 TYPES OF SCREW STANDARD:

A4 stainless steel

ZF zinc-flake coating

ZN zinc plate



FF1 Nylon frame fixing

Universal frame fixing for many applications



Version

- stainless steel
- delta-tone coating
- zinc-plated steel

Approvals and Reports

- ETA-12/0398



Installation guide movie

Features and benefits

- Specially-formulated Ultramid nylon allows best performance installation for use in all base material categories according to ETAG 020 (A, B, C, D)
- Internal plug geometry designed to fit the screw head and ensures multi-axis expansion.
- Embedment depth markings facilitate precise installation
- The countersunk plug for flush fixing of soft material (eg. timber)
- A4 stainless steel offers improved load-bearing capacities (relative to standard carbon steel)
- The plug is collared for fixing of hard materials such as steel
- Special zinc flake corrosion-resistant coating

Applications

- Door and window frames
- Garage doors
- Gates
- Industrial doors
- Facade (substructures made of wood and metal)
- Wall cabinets
- Satellite dishes
- Shelves
- Handrails
- Cable trays
- Gates, wickets, fences
- Trunking

Base materials

Approved for use in:

- Concrete
- Hollow-core Slab
- Solid Brick
- Solid Sand-lime Brick
- Vertically-perforated clay block
- Hollow Sand-lime Brick
- Aerated Concrete Block



Size	Rawlplug code	Plug		Screw		Fixture			Quantity			Barcode
		Diameter	Length	Diameter	Length	Max. thickness		Hole diameter	Box	Outer	Pallet	
						t _{fix,r}	t _{fix,s}					
mm	mm	mm	mm	mm	mm	mm	mm	pcs	pcs	pcs		
FF1-N-L Frame fixing countersunk - Stainless Steel screw, Torx head drive												
Ø8	R-FF1-N-08L080-A4	7.8	80	5.8	87	-	-	-	50	400	9600	
	R-FF1-N-08L100-A4	7.8	100	5.8	109	-	-	-	25	400	9600	
	R-FF1-N-08L120-A4	7.8	120	5.8	129	-	-	-	25	400	9600	
Ø10	R-FF1-N-10L080-A4	9.8	80	7	89	30	10	10	50	400	9600	
	R-FF1-N-10L100-A4	9.8	100	7	109	50	30	10	25	400	9600	
	R-FF1-N-10L120-A4	9.8	120	7	129	70	50	10	25	400	9600	
	R-FF1-N-10L140-A4	9.8	140	7	149	90	70	10	25	300	7200	
	R-FF1-N-10L160-A4	9.8	160	7	169	110	90	10	25	300	7200	
	R-FF1-N-10L200-A4	9.8	200	7	209	150	130	10	25	25	7800	
	R-FF1-N-10L240-A4	9.8	240	7	249	190	170	10	25	25	4800	
	R-FF1-N-10L300-A4	9.8	300	7	309	205	230	10	10	10	40800	
FF1-L-ZF Nylon frame fixing countersunk - Zinc Flake screw, T40 head drive												
Ø8	R-FF1-N-08L080/ZF	7.8	80	5.8	87	-	10	8	50	400	9600	
	R-FF1-N-08L100/ZF	7.8	100	5.8	109	-	30	8	25	400	9600	
	R-FF1-N-08L120/ZF	7.8	120	5.8	129	-	50	8	25	400	9600	
Ø10	R-FF1-N-10L080/ZF	7.8	80	7	89	89	10	10	50	400	9600	
	R-FF1-N-10L100/ZF	9.8	100	7	109	109	30	10	25	400	9600	
	R-FF1-N-10L120/ZF	9.8	120	7	129	129	50	10	25	400	9600	
	R-FF1-N-10L140/ZF	9.8	140	7	149	149	70	10	25	300	7200	
	R-FF1-N-10L160/ZF	9.8	160	7	169	169	90	10	25	300	7200	
	R-FF1-N-10L200/ZF	9.8	200	7	209	209	130	10	25	25	7800	
	R-FF1-N-10L240/ZF	9.8	240	7	249	249	170	10	25	25	4800	
	R-FF1-N-10L300/ZF	9.8	300	7	309	309	230	10	10	10	40800	

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FF1 Nylon frame fixing (cont.)

Size	Rawlplug code	Plug		Screw		Fixture			Quantity			
		Diameter	Length	Diameter	Length	Max. thickness		Hole diameter	Box	Outer	Pallet	
		mm	mm	mm	mm	t _{fix,r} mm	t _{fix,s} mm	mm	pcs	pcs	pcs	
FF1-N-L Frame fixing countersunk - Zinc Plated screw, Torx head drive												
Ø8	R-FF1-N-08L080	7.8	80	5.8	87	-	10	8	50	400	9600	
	R-FF1-N-08L100	7.8	100	5.8	107	-	30	8	25	400	9600	
	R-FF1-N-08L120	7.8	120	5.8	127	-	50	8	25	400	9600	
Ø10	R-FF1-N-10L080	9.8	80	7	89	30	10	10	50	400	9600	
	R-FF1-N-10L100	9.8	100	7	109	50	30	10	25	400	9600	
	R-FF1-N-10L120	9.8	120	7	129	70	50	10	25	300	7200	
	R-FF1-N-10L140	9.8	140	7	149	90	70	10	25	300	7200	
	R-FF1-N-10L160	9.8	160	7	169	110	90	10	25	25	5250	
	R-FF1-N-10L200	9.8	200	7	209	150	130	10	25	25	2250	
	R-FF1-N-10L240	9.8	240	7	249	190	170	10	25	25	4800	
	R-FF1-N-10L300	9.8	300	7	309	250	230	10	10	10	40800	
FF1-N-K Frame fixing with collar - Stainless Steel screw, Hex head with Torx drive												
Ø10	R-FF1-N-10K080-A4	9.8	80	7	89	30	10	10	50	400	9600	
	R-FF1-N-10K100-A4	9.8	100	7	109	50	30	10	25	400	9600	
	R-FF1-N-10K120-A4	9.8	120	7	129	70	50	10	25	400	9600	
	R-FF1-N-10K140-A4	9.8	140	7	149	90	70	10	25	300	7200	
	R-FF1-N-10K160-A4	9.8	160	7	169	110	90	10	25	300	7200	
	R-FF1-N-10K200-A4	9.8	200	7	209	150	130	10	25	25	7800	
	R-FF1-N-10K240-A4	9.8	240	7	249	190	170	10	25	25	4800	
	R-FF1-N-10K300-A4	9.8	300	7	309	250	230	10	10	10	40800	
	FF1-N-K Frame fixing with collar - Zinc Flake screw, Hex head with Torx drive											
Ø10	R-FF1-N-10K080/ZF	9.8	80	7	89	30	10	10	50	400	9600	
	R-FF1-N-10K100/ZF	9.8	100	7	109	50	30	10	25	400	9600	
	R-FF1-N-10K120/ZF	9.8	120	7	129	70	50	10	25	25	5250	
	R-FF1-N-10K140/ZF	9.8	140	7	149	90	70	10	25	300	7200	
	R-FF1-N-10K160/ZF	9.8	160	7	169	110	90	10	25	25	5250	
	R-FF1-N-10K200/ZF	9.8	200	7	209	150	130	10	25	25	7800	
	R-FF1-N-10K240/ZF	9.8	240	7	249	190	170	10	25	25	4800	
	R-FF1-N-10K300/ZF	9.8	300	7	309	250	230	10	10	10	40800	
Ø14	R-FF1-N-14K120/ZF	13.8	120	10.8	131	-	50	14	20	20	2560	
	R-FF1-N-14K160/ZF	13.8	160	10.8	171	-	90	14	20	20	1920	
	R-FF1-N-14K200/ZF	13.8	200	10.8	211	-	130	14	20	20	1920	
	R-FF1-N-14K240/ZF	13.8	240	10.8	251	-	170	14	20	20	1920	
FF1-N-K Frame fixing with collar - Zinc Plated screw, Hex head with Torx drive												
Ø10	R-FF1-N-10K080	9.8	80	7	89	30	10	10	50	400	9600	
	R-FF1-N-10K100	9.8	100	7	109	50	30	10	25	400	9600	
	R-FF1-N-10K120	9.8	120	7	129	70	50	10	25	300	7200	
	R-FF1-N-10K140	9.8	140	7	149	90	70	10	25	300	7200	
	R-FF1-N-10K160	9.8	160	7	169	110	90	10	25	300	7200	
	R-FF1-N-10K200	9.8	200	7	209	150	130	10	25	25	7800	
	R-FF1-N-10K240	9.8	240	7	249	190	170	10	25	25	4800	
	R-FF1-N-10K300	9.8	300	7	309	250	230	10	10	10	40800	
Ø14	R-FF1-N-14K120	13.8	120	10.8	131	-	50	14	20	20	2560	
	R-FF1-N-14K160	13.8	160	10.8	171	-	90	14	20	20	1920	
	R-FF1-N-14K200	13.8	200	10.8	211	-	130	14	20	20	1920	
	R-FF1-N-14K240	13.8	240	10.8	251	-	170	14	20	20	1920	

R-KKS Frame fixing with short expansion zone

Frame fixing with short expansion zone for installation of door and window frames



Features and benefits

- Durable, high quality PA6 grade nylon plug for extended fixing life
- Tough nylon sleeve prevents frame distortion during tightening
- Zig-zag design ensures enhanced expansion
- Special design with anti-rotation lugs
- No marking out required - drill straight through the frame



Applications

- Door and window frames



Base materials

Approved for use in:

- Concrete
- Solid Brick

Also suitable for use in:

- Natural Stone

Ireland code	Plug		Screw		Max fixture thickness (T _{fix})	Hole diameter	Hole depth	Quantity			Barcode
	Diameter	Length	Diameter	Length				Box	Outer	Pallet	
	mm	mm	mm	mm				pcs	pcs	pcs	
AFF1320	8	60	5.5	65	20	8	45	50	800	19200	5010445213205
AFF1323	8	80	5.5	85	40	8	45	50	800	19200	5010445213236
AFF1326	8	100	5.5	105	60	8	45	50	800	19200	5010445213267
AFF1329	8	120	5.5	125	80	8	45	50	800	19200	5010445213298
AFF1335	10	80	7	85	30	10	55	50	600	14400	5010445213359
AFF1338	10	100	7	105	50	10	55	50	600	14400	5010445213380
AFF1340	10	120	7	125	70	10	55	50	400	9600	5010445213403
AFF1344	10	135	7	140	85	10	55	50	400	9600	5010445213441
AFF1347	10	160	7	165	110	10	55	50	400	9600	5010445213472

WHO Frame screws

Special frame screws for window and door installation



Approvals and Reports

- AT-15-6977/2012
- AT-15-6977/2012 - ANNEX No 1



Features and benefits

- Flat head for the comfortable installation in metal window and door frames
- No additional plugs required, making the WHO screw a user-friendly and time-efficient fixing solution
- Expansion-free fixing imposes less stress on substrate during installation
- High load resistances from a relatively small hole diameter
- Easily removed for temporary works



Applications

- Door and window frames
- Securing formwork
- Suspended ceilings
- Lightweight steel angles
- Timber constructions

Base materials

Approved for use in:

- Concrete
- Solid Brick
- Hollow Brick
- Aerated Concrete Block

Also suitable for use in:

- Natural Stone
- Hollow-core Slab
- Timber



WHO Frame screws (cont.)

Rawlplug code	Screw			Quantity			Barcode
	Drill size	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
R-WHO-75052	6	7,5	52	100	1600	89600	5906675096124
R-WHO-75072	6	7,5	72	100	1600	38400	5906675096223
R-WHO-75092	6	7,5	92	100	100	36400	5906675096322
R-WHO-75112	6	7,5	112	100	100	36400	5906675096421
R-WHO-75132	6	7,5	132	100	100	36400	5906675096520
R-WHO-75152	6	7,5	152	100	100	36400	5906675096629
R-WHO-75182	6	7,5	182	100	100	36400	5906675096728
R-WHO-75202	6	7,5	202	100	100	27300	
R-WHO-75212	6	7,5	212	100	100	27300	

O Metal frame anchor

Metal frame anchor for window and door installation



Approvals and Reports

- AT-15-7553/2013
- AT-15-7553/2013 - ANNEX No 1



Features and benefits

- Metal sleeve design guards against distortion of the frame
- Anti-rotation lugs prevent rotation during tightening
- All-steel construction for strength and durability
- Quick and easy installation
- The cover caps (available separately) can be used to discreetly cover the head of anchor

Applications

- Door and window frames

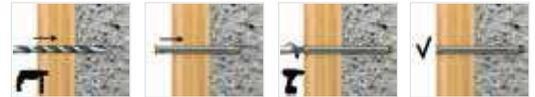
Base materials

Approved for use in:

- Reinforced concrete
- Concrete

Also suitable for use in:

- Natural Stone



Rawlplug code	Ireland code	Anchor		Max fixture thickness (T _{fix})	Hole diameter	Hole depth	Quantity			Barcode
		Diameter	Length				Box	Outer	Pallet	
		mm	mm				pcs	pcs	pcs	
R-O-10072	AMF1100	10	72	22	10	40	100	1200	28800	5010445211003
R-O-10092	AMF1101	10	92	42	10	40	100	100	36400	5010445211010
R-O-10112	AMF1102	10	112	62	10	40	100	100	36400	5010445211027
R-O-10132	AMF1104	10	132	82	10	40	100	100	16800	5010445211041
R-O-10152	AMF1106	10	152	102	10	40	100	100	22400	5010445211065
R-O-10182	AMF1108	10	182	132	10	40	100	100	36400	5010445211089

KO Cover CAP for metal frame anchor

Cover cap for aesthetic installation of metal frame anchor



Features and benefits

- Aesthetic finishing after installation of metal frame anchor

Applications

- Door and window frames

Rawlplug code	Cap	Quantity			Barcode
	Diameter	Box	Outer	Pallet	
	mm	pcs	pcs	pcs	
R-KO-WHITE	15	100	4800	230400	
R-KO-BROWN	15	100	4800	230400	

GS Ceiling wedge anchor

Ceiling wedge anchor



Approvals and Reports

- ETA-11/0268



F120



Features and benefits

- The flush-sunk expansion nail signifies the complete expansion of the anchor, ensures minimum movement when under load.
- The two hit zone ensure correct installation (especially in narrow drill holes) and high safety in use.
- Approved to installation in cracked and non-cracked concrete.
- Fire resistance class A1
- Reliable setting thanks to the big collar and simple visual check.

Applications

- Suspended ceilings
- Coffered ceilings
- Conduit and pipe clamps
- Ventilation systems
- Metal roof profiles
- Punched tapes

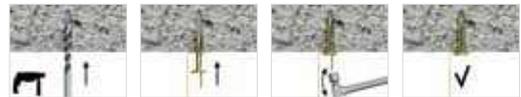
Base materials

Approved for use in:

- Cracked concrete C20/25-C50/60
- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Natural Stone
- Concrete



Rawplug code	Anchor		Quantity			Barcode
	Diameter	Length	Box	Outer	Pallet	
	mm	mm	pcs	pcs	pcs	
R-GS-06040	6	40	100	2000	72000	5906675169347
R-GS-06065	6	65	100	1000	28800	5906675158105

KMW Metal hammer fixing

For light duty fixings of metal constructions and sheet metal to solid building materials



Approvals and Reports

- AT-15-7637/2008 - ANNEX No 1
- AT-15-7637/2008 - ANNEX No 2
- AT-15-7637/2014



Features and benefits

- Low-profile mushroom head provides a nice finish and tamper proof fastening
- Consistent load values ensure safe light-duty fastenings in concrete and masonry
- Impact expansion by hammer, no setting tool is needed
- Designed for easy push-through fastenings, even in bottomless holes

Applications

- Metal roof profiles
- Pipework
- Cable trays
- Cable conduits and wires
- Cladding and panelling

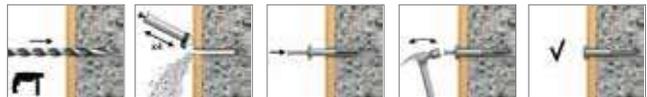
Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60

Also suitable for use in:

- Concrete Slab
- Solid Brick
- Solid Concrete Block



Rawplug code	Ireland code	Anchor		Quantity			Barcode
		Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
R-KMW-05020		5	20	100	3200	76800	
R-KMW-06030	BRKMW06030	6	30	100	1600	38400	5906675161389
R-KMW-06040	BRKMW06040x	6	40	100	1600	38400	5906675163642
R-KMW-06050	BRKMW06050	6	50	100	1600	38400	5906675161709
R-KMW-06065	BRKMW06065	6	65	100	1200	28800	5906675161723

SRS Ceiling fixing

Ceiling wire hanger for lightweight ceilings and suspended ceilings to solid building materials



Features and benefits

- Hanger for concrete soffit enabling suspended grid system to be hung with wire coil
- Special conical shape ensures an adequate anchor expansion
- Expansion of anchor occurs upon loading
- Material: electro-zinc coated steel
- Fire resistant

Applications

- Suspended ceilings

Base materials

Suitable for use in:

- Concrete
- Solid Concrete Block
- Concrete Slab
- Natural Stone

Rawlplug code	Hanger		Quantity			Barcode
	Diameter	Length	Box	Outer	Pallet	
	mm	mm	pcs	pcs	pcs	
R-SRS-06063	6	63	100	1600	38400	

TM Brass expansion sleeve

Brass anchor for medium loads suitable for all screws and studs with a metric thread



Features and benefits

- Fixing allows the attached item to be reusable
- Special surface structure prevents from rotating in the hole
- Low installation depth reduces amount of drilling
- The internal thread allows for the use of standard metric screws or threaded rods, and for surface flush removal and reuse of the fixing point. This provides great flexibility.
- Suitable for pre-positioned and push-through installation.

Applications

- Handrails
- Shelves
- Light shelving, brackets and hooks
- Curtain rails
- Bathroom fittings
- Control boxes

Base materials

Suitable for use in:

- Concrete
- Natural Stone
- Concrete Slab
- Solid Brick

Rawlplug code	Anchor	Hole diameter [mm]	Quantity			Barcode
	Length [mm]		Box	Outer	Pallet	
	mm		pcs	pcs	pcs	
R-TM-06/50	25	7	100	4000	150000	
R-TM-08/100	28	9	100	1600	38400	
R-TM-10/50	32	11	100	1600	38400	
R-TM-12/25	36	13	50	800	19200	

KGS Lightweight block anchor

The metal anchor for wood and chipboard screws in the lightweight blocks



Features and benefits

- External teeth expand in base materials ensures high pull-out loads.
- The ribbed internal geometry suitable for screws makes it possible to guide the screw securely.
- High holding strength even in oversized holes
- Used in areas where fire considerations disallow the use of plastic anchors
- Removable - screw may be removed and reinserted
- Quick and easy installation with wood and chipboard screws.

Applications

- Light shelving, brackets and hooks
- Water pipes
- Gas pipes
- Cable and pipe clamps

Base materials

Suitable for use in:

- Aerated Concrete Block
- Hollow Lightweight Concrete Block
- Lightweight Concrete Block
- Vertically-perforated clay block
- Hollow Sand-lime Brick
- Solid Sand-lime Brick
- Hollow Brick
- Solid Brick

Index	Plug	Plug	Screw	Quantity			Barcode
	Diameter	Length	Length	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
R-KGS-0632	6	32	32	200	3200	76800	
R-KGS-0838	8	38	38	200	3200	76800	
R-KGS-0860	8	60	60	100	1600	38400	
R-KGS-1060	10	60	60	50	800	19200	

FX-N-K Nylon hammer-in fixing with mushroom head

The nylon hammer fixing with mushroom head for fast, simple, cost-effective installations



Approvals and Reports

- ETA-12/0457



Features and benefits

- Rapid hammer-set installation reduces the time required and allows for cost-effective, high-volume installation.
- Combination of Phillips recess and the helical thread makes removal of the nail possible, facilitating disassembly when necessary.
- The extensive range of lengths and diameters mushroom head type plug ensures availability of the correct fixing for every scenario
- Designed for push-through installation.
- Nylon material for best quality

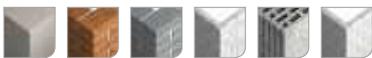
Applications

- Timber or metal battens
- Drywall structures
- Skirting / Dado railing
- Cable clamps
- Pipe clamps

Base materials

Approved for use in:

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block



Index	Plug		Quantity			Barcode
	Diameter	Length	Box	Outer	Pallet	
	mm	mm	pcs	pcs	pcs	
R-FX-N-06K040	6	40	100	1200	28800	
R-FX-N-06K060	6	60	100	1200	28800	

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FX-N-L Nylon hammer-in fixing with countersunk head

The nylon hammer fixing with countersunk head for fast, simple, cost-effective installations



Approvals and Reports

- ETA-12/0457



Features and benefits

- Rapid hammer-set installation reduces the time required and allows for cost-effective, high-volume installation.
- Combination of Phillips recess and the helical thread makes removal of the nail possible, facilitating disassembly when necessary.
- The extensive range of product lengths and diameters with countersunk head type ensures availability of the correct fixing for every scenario.
- Designed for push-through installation.

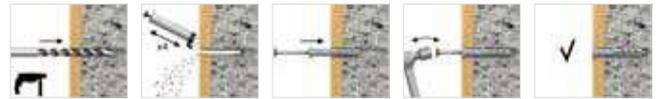
Applications

- Timber or metal battens
- Drywall structures
- Skirting / Dado railing
- Cable clamps
- Pipe clamps

Base materials

Approved for use in:

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Hollow Sand-lime Brick
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block



Rawlplug code	Ireland code	Plug		Quantity			Barcode
		Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
R-FX-N-05L025		5	25	100	2400	57600	
R-FX-N-05L030	FXN05L030	5	30	100	2400	57600	5906675177069
R-FX-N-05L035		5	35	100	2400	57600	
R-FX-N-05L040	FXN05L040	5	40	100	2400	57600	5906675177168
R-FX-N-05L050	FXN05L050	5	50	100	2400	57600	5906675177021
R-FX-N-06L035	FXN06L035	6	35	100	2400	57600	
R-FX-N-06L040	FXN06L040	6	40	100	1600	38400	5906675121024
R-FX-N-06L045		6	45	100	1600	38400	
R-FX-N-06L050	FXN06L050	6	50	100	1200	28800	5906675106823
R-FX-N-06L060	FXN06L060	6	60	100	1200	28800	5906675123820
R-FX-N-06L080	FXN06L080	6	80	100	1200	28800	5906675124629
R-FX-N-08L045		8	45	100	1200	28800	
R-FX-N-08L060	FXN08L060	8	60	100	1200	28800	5906675122021
R-FX-N-08L080	FXN08L080	8	80	50	600	14400	5906675122427
R-FX-N-08L100	FXN08L100	8	100	50	600	14400	5906675122823
R-FX-N-08L120	FXN08L120	8	120	50	600	14400	5906675123226
R-FX-N-08L140	FXN08L140	8	140	50	600	14400	5906675171708
R-FX-N-08L160		8	160	50	600	14400	
R-FX-N-10L100		10	100	25	300	7200	
R-FX-N-10L120		10	120	25	300	7200	
R-FX-N-10L140		10	140	25	300	7200	

FX-N-C Nylon hammer-in fixing with cylinder head

The nylon hammer fixing with cylinder head for fast, simple, cost-effective installations



Approvals and Reports

- ETA-12/0457



Features and benefits

- Rapid hammer-set installation reduces the time required and allows for cost-effective, high-volume installation.
- Cylinder head prevents plug slipping into over-sized holes and allows fix thin elements
- Combination of Phillips recess and the helical thread makes removal of the nail possible, facilitating disassembly when necessary.
- The extensive range of product lengths, diameters and head types ensures availability of the correct fixing for every scenario.
- Designed for push-through installation.

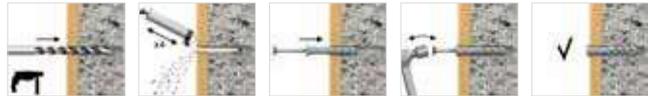
Applications

- Timber or metal battens
- Drywall structures
- Skirting / Dado railing
- Cable clamps
- Pipe clamps

Base materials

Approved for use in:

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Hollow Sand-lime Brick
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block



Rawplug code	Plug		Quantity			Barcode
	Diameter mm	Length mm	Box pcs	Outer pcs	Pallet pcs	
R-FX-N-05C030	5	30	100	2400	57600	
R-FX-N-05C035	5	35	100	2400	57600	
R-FX-N-05C050	5	50	100	2400	57600	
R-FX-N-06C035	6	35	100	2400	57600	
R-FX-N-06C040	6	40	100	1600	38400	
R-FX-N-06C055	6	55	100	1600	38400	
R-FX-N-06C060	6	60	100	1200	28800	
R-FX-N-06C080	6	80	100	1200	28800	
R-FX-N-08C045	8	45	100	1200	28800	
R-FX-N-08C060	8	60	100	1200	28800	
R-FX-N-08C080	8	80	50	600	14400	
R-FX-N-08C100	8	100	50	600	14400	
R-FX-N-08C120	8	120	50	600	14400	

FX-N-A2 Stainless Steel Hammer-in fixing

The nylon hammer fixing



R-FX-N-A2-L



R-FX-N-A2-K

Approvals and Reports

- ETA-12/0457



Features and benefits

- Rapid hammer-set installation reduces the time required and allows for cost-effective, high-volume installation.
- Combination of Phillips recess and the helical thread makes removal of the nail possible, facilitating disassembly when necessary.
- The extensive range of product lengths and diameters with countersunk head type ensures availability of the correct fixing for every scenario.
- Designed for push-through installation.

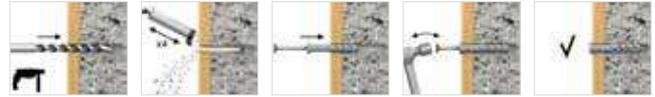
Applications

- Timber or metal battens
- Drywall structures
- Skirting / Dado railing
- Cable clamps
- Pipe clamps

Base materials

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Hollow Sand-lime Brick
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block

FX-N-A2 Stainless Steel Hammer-in fixing (cont.)



Rawlplug code	Box Contents	Drill Diameter (mm)	Barcode
Countersunk head			
-	100 x 6x40mm Plug & 6mm Screws	6	
-	100 x 6x60mm Plug & 6mm Screws	6	
-	100 x 8x60mm Plug & 8mm Screws	8	
-	100 x 8x80mm Plug & 8mm Screws	8	
-	100 x 8x100mm Plug & 8mm Screws	8	
Mushroom head			
-	100 x 6x40mm Plug & 6mm Screws	6	

Masonry nails



TMR



TMW

Features and benefits

- Heat treated- for hardness
- Tempered- for toughness & prevents fractures
- Zinc coated – prevents corrosion
- Can be driven directly into concrete

Applications

- Skirting & boarding

Base materials

- Concrete

Ireland code	Size diameter x length	Box quantity	Barcode
		pcs	
Masonry nail			
TMR4002	2.5x25	100	5010445040023
TMR4004	2.5x30	100	5010445040047
TMR4006	2.5x35	100	5010445040061
TMR4008	2.5x40	100	5010445040085
TMR4012	2.5x50	100	5010445040122
TMR4020	3.0x40	100	5010445040207
TMR4024	3.0x50	100	5010445040245
TMR4026	3.0x60	100	5010445040269
TMR4028	3.0x65	100	5010445040283
TMR4036	3.5x65	100	5010445504351
TMR4038	3.5x75	100	5010445040382
TMR4040	3.5x85	100	5010445040405
TMR4042	3.5x100	100	5010445040429
Masonry nail with washer			
TMW4044	100 x 3.7x25mm with washer	100	5010445041443
TMW4046	100 x 3.7x30mm with washer	100	5010445041467
TMW4048	100 x 3.7x35mm with washer	100	5010445041481
TMW4050	100 x 3.7x40mm with washer	100	5010445041504
TMW4052	100 x 3.7x50mm with washer	100	5010445041528
TMW4054	100 x 3.7x60mm with washer	100	5010445041559
TMW4056	100 x 3.7x75mm with washer	100	5010445040573

UNO® Universal plug and Universal plug with screw



Truly universal plug which fixes into any base material, solid or hollow



Approvals and Reports

- AT-15-8093/2009
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Installation guide movie

Features and benefits

- Unique geometry guarantees maximum expansion and grip.
- Instant grip resulting from split plug design.
- Anti-rotation features prevent spinning in the hole.
- Lip prevents plug slipping into over-sized holes.
- Recommended for uncertain substrates, irregular or worn-out holes.
- Short length enables effective installation in thin walls ("partition walls").

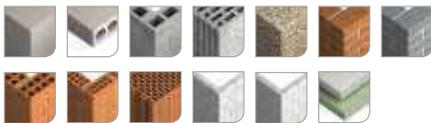
Applications

- Shelves
- Suspended ceilings
- Electrical fittings
- Cable trays
- Boilers
- Radiators
- Lighting
- Bathroom fittings

Base materials

Suitable for use in:

- Concrete
- Hollow-core Slab
- High-Density Natural Stone
- Solid Brick
- Solid Sand-lime Brick
- Hollow Brick
- Vertically-perforated clay block
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block
- Plasterboard



Description	Rawplug code	Ireland code	Screw Range	Plug	Hole	Quantity		Barcode
			Length	Length	Diameter	Box	Outer	
			mm	mm	mm	pcs	pcs	
YELLOW	UNO-YEL-96-C		3.0-4.5	24	5	96	10	
	UNO-YEL-1000	1000				1		
RED	UNO-RED-48-C		3.0-5.0	28	6	48	10	
	UNO-RED-96-C	96				10		
	UNO-RED-288	288				20		
	UNO-RED-1000	1000				1		
BROWN	UNO-BRN-48-C		4.0-6.0	30	7	48	10	
	UNO-BRN-96-C	96				10		
	UNO-BRN-288	288				20		
	UNO-BRN-1000	1000				1		
BLUE	UNO-BLU-80-C		4.5-6.0	32	8	80	10	
	UNO-BLU-CS-10-T	10				10		
	UNO-BLU-1000	1000				1		
GREY	UNO-GRY-40-C		4.5-6.0	32	8	80	10	
	UNO-GRY-80-C	80				10		
	UNO-GRY-1000	1000				1		
MIXED RED/ BROWN/BLUE	UNO-MIX-272		3.0-6.0	28/30/32	6/7/8	272	20	
	-	272				20		
MIXED YELLOW/ RED/BROWN	R-UNO-YR- BRMIX-144		3.0-6.0	24/28/30	5/6/7	144	10	

4ALL

UNIVERSAL NYLON PLUG



UNIQUE INTERNAL DESIGN



SOLID DETAILED HEAD PROVIDES STRENGTH WHILST PLUG IS INSTALLED

UNIQUE INTERNAL DESIGN PROVIDES POSITIVE GRIP FOR SCREWS

ANTI ROTATIONAL PLUGS PROMOTE GRIP IN ALL MATERIALS INCLUDING SOFT MASONRY MATERIALS

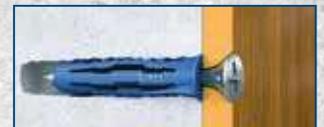
RIB DETAIL AT PLUG HEAD PROVIDES ADDED GRIP IN ALL SUBSTRATES

EXPANSION DETAIL DESIGNED TO COLLAPSE IN HOLLOW SURFACES AND PROVIDE POSITIVE GRIP IN HOLLOW SURFACES

UNIQUE 4 WAY EXPANSION ALLOWING APPLICATION IN ANY SUBSTRATE MATERIAL AND TYPE



HOLLOW BRICK



CONCRETE



PLASTERBOARD

4ALL Universal nylon plug

High performance nylon plug for all types of substrates



Installation guide movie

Features and benefits

- Unique internal design provides positive grip for screws.
- Anti-rotational lugs promote grip in wide range of substrates including soft masonry materials.
- Rib detail at plug head provides added grip.
- Expanding section designed to collapse in hollow materials and provide positive grip behind surfaces.
- Unique 4 way expansion allowing application in any substrate material and type.

Applications

- Lighting
- Wall cabinets
- Wardrobes
- Letterboxes
- TV brackets
- Bathroom fittings
- Electrical fittings
- Shelves

Base materials

Suitable for use in:

- Concrete
- Natural Stone
- Solid Brick
- Hollow Brick
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block
- Plasterboard



Rawplug code	Ireland code	Plug		Fixture	Quantity			Barcode
		Diameter	Length	Hole diameter	Box	Outer	Pallet	
		mm	mm	d _r	pcs	pcs	pcs	
4ALL-05		5	25	4,0 - 5,0	100	3200	204800	
4ALL-06		6	30	5,0 - 6,0	100	3200	179200	
4ALL-06050		6	50	5,0 - 6,0	50	3200	76800	
4ALL-08		8	40	6,0 - 8,0	100	1600	102400	
4ALL-08065		8	65	6,0 - 8,0	50	1600	4800	
4ALL-10		10	50	7,0 - 9,0	50	800	51200	
4ALL-12		12	60	9,0 - 11,0	20	640	15360	
4ALL-14		14	70	11,0	10	320	7680	
R-PFKT-4ALL-MIX		6/8/10	30/40/50	-	200	-	-	

4ALL Universal nylon plug with screw

High performance nylon plug with screw for all types of substrates.



Installation guide movie

Features and benefits

- Unique internal design provides positive grip for screws.
- Rib detail at plug head provides added grip.
- Expanding section designed to collapse in hollow materials and provide positive grip behind surfaces.
- Unique 4 way expansion allowing application in any substrate material and type.
- Solid head design provides strength whilst plug is installed.

Applications

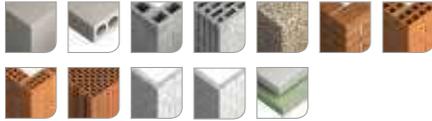
- Lighting
- Wall cabinets
- Wardrobes
- Letterboxes
- TV brackets
- Bathroom fittings
- Electrical fittings
- Shelves

Base materials

Suitable for use in:

- Concrete
- Hollow-core Slab
- High-Density Natural Stone
- Solid Brick
- Hollow Brick
- Vertically-perforated clay block
- Lightweight Concrete Block
- Hollow Lightweight Concrete Block
- Aerated Concrete Block
- Plasterboard

4ALL Universal nylon plug with screw



Rawlplug code	Box Contents	Plug		Screw		Fixture		Quantity			Barcode
		Diameter	Length	Diameter	Length	Max. thickness	Hole diameter	Box	Outer	Pallet	
		mm	mm	mm	mm	t _{fix}	d _f	pcs	pcs	pcs	
4ALL-05+3530	50 x 5x25mm Plugs & 3.5x30mm Screws	5	25	3.5	30	10	4	50	1600	102400	
4ALL-06+4540	50 x 6x30mm Plugs & 4.5x40mm Screws	6	30	4.5	40	10	5	50	1600	76800	
4ALL-06050+4560	50 x 6x50mm Plugs & 4.5x60mm Screws	6	50	4.5	60	10	5	50	1600	38400	
4ALL-08+5060	50 x 8x40mm Plugs & 5x60mm Screws	8	40	5	60	20	6	50	800	25600	
4ALL-08065+5080	50 x 8x65mm Plugs & 5x80mm Screws	8	65	5	80	15	6	50	1200	28800	
4ALL-10+6060	25 x 10x50mm Plugs & 6x60mm Screws	10	50	6	60	10	7	25	400	19200	
R-POR-4ALL-MIX	50 Plugs & 50 Screws – Plugs: 15 x 5x25mm, 15 x 6x30mm, 15 x 8x40mm, 5 x 10x50mm – Screws: 15 x 3.5x30mm, 15 x 4.5x40mm, 15 x 5.0x60mm, 5 x 6.0x60mm	5/6/8/10	25/30/40/50	3.5-6.0	30-60	-	-	200	-	-	

FIX Nylon expansion plug

Easy-to-install plug giving exceptional performance in solid base materials



Approvals and Reports

- AT-15-8093/2009
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Features and benefits

- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.
- Small edge distances achievable.

Applications

- Pictures
- Lighting
- Skirting / Dado railing
- Shelves
- Trunking
- Cable trays / Electrical fittings
- Letterboxes

Base materials

Suitable for use in:

- Concrete
- Solid Brick
- High-Density Natural Stone
- Solid Concrete Block
- Solid Sand-lime Brick



Rawlplug code	Box Contents	Plug		Quantity			Barcode
		Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
FIX Expansion Plugs							
R-FIX-N-05	Box of 100 x 5x25mm Plugs	5	25	100	3200	179200	
R-FIX-N-06	Box of 100 x 6x30mm Plugs	6	30	100	3200	179200	
R-FIX-N-08	Box of 100 x 8x40mm Plugs	8	40	100	3200	76800	
R-FIX-N-10	Box of 100 x 10x50mm Plugs	10	50	100	1600	38400	
R-FIX-N-12	Box of 50 x 12x60mm Plugs	12	60	50	1600	38400	
R-FIX-N-14	Box of 25 x 14x70mm Plugs	14	70	25	600	14400	
FIX Expansion Plug Tubs							
FKT-FIX-RED600	Tub of 600, 6x30mm Red plugs	6	30	600	-	-	
FKT-FIX-BRN400	Tub of 400, 7x35mm Brown plugs	7	35	400	-	-	
FKT-FIX360	Tub of 360 Red/Brown plugs + Screws – 100 x 6x30mm plugs, 100 x 4.5x45mm screws, 80 x 7x35mm plugs, 80 x 5.0x60mm screws	6/7	30/35	360	-	-	
FKT-FM520	Tub of 520 Red/Brown plugs + Screws – 160 x 6x30mm plugs, 160 x 4.0x35mm screws, 100 x 7x35mm plugs, 100 x 5.0x45mm screws	6/7	30/35	520	-	-	
FKT-FMIX560	Tub of 520 Yellow/Red/Brown plugs – 200 x 5x25mm plugs, 160 x 6x30mm plugs, 200 x 7x35mm plugs	5/6/7	25/30/35	520	-	-	

FIX Nylon expansion plug with screw

Easy-to-install plug giving exceptional performance in solid base materials



Approvals and Reports

- AT-15-8093/2009
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Features and benefits

- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.
- Small edge distances achievable.

Applications

- Pictures
- Lighting
- Skirting / Dado railing
- Shelves
- Trunking
- Cable trays / Electrical fittings
- Letterboxes

Base materials

Suitable for use in:

- Concrete
- Solid Brick
- High-Density Natural Stone
- Solid Concrete Block
- Solid Sand-lime Brick



Rawplug code	Plug		Screw		Quantity			Barcode
	Diameter	Length	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	mm	pcs	pcs	pcs	
R-FIX-N-05+	5	25	3,5	30	200	6400	153600	
R-FIX-N-06+440	6	30	4	40	200	4800	115200	
R-FIX-N-08+550	8	40	5	50	200	2400	57600	
FIX-N-10+660	10	50	6	60	100	1200	67200	

FIX Nylon expansion plug with collar

Easy-to-install nylon plug with collar giving exceptional performance in solid base materials



Approvals and Reports

- AT-15-8093/2009
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Features and benefits

- Flange ensures flush fit to surface.
- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.
- Small edge distances achievable.

Applications

- Pictures
- Lighting
- Skirting / Dado railing
- Shelves
- Trunking
- Cable trays
- Electrical fittings
- Letterboxes

Base materials

Suitable for use in:

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Aerated Concrete Block



Rawplug code	Plug	Quantity			Barcode
	Diameter	Box	Outer	Pallet	
	mm	pcs	pcs	pcs	
R-FIX-NF-06	6	100	3200	76800	
R-FIX-NF-08	8	100	2400	57600	
R-FIX-NF-10	10	100	1200	28800	
R-FIX-NF-12	12	50	600	14400	
R-FIX-NF-14-070	14	25	400	9600	

FIX-NF+ Nylon expansion plug with collar and screw

Easy-to-install plug with collar and screw giving exceptional performance in solid base materials



Approvals and Reports

- AT-15-8093/2009
- AT-15-8093/2009 - ANNEX No 1



Features and benefits

- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.
- Flange ensures flush fit to surface.

Applications

- Pictures
- Lighting
- Skirting / Dado railing
- Shelves
- Trunking
- Cable trays
- Electrical fittings
- Letterboxes

Base materials

Suitable for use in:

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Aerated Concrete Block



Rawlplug code	Plug		Screw		Quantity			Barcode
	Diameter	Length	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	mm	pcs	pcs	pcs	
R-FIX-NF-06+	6	30	3.5	30	200	6400	153600	
R-FIX-NF-06+340	6	30	3.5	40	200	6400	153600	
R-FIX-NF-06+350	6	30	3.5	50	200	6400	153600	
R-FIX-NF-06+440	6	30	4	40	200	3200	76800	
R-FIX-NF-06+450	6	30	4	50	200	2400	57600	
R-FIX-NF-08+	8	40	5	45	200	2400	57600	
R-FIX-NF-08+450	8	40	4.5	50	200	2400	57600	
R-FIX-NF-08+460	8	40	4.5	60	100	1600	38400	
R-FIX-NF-08+550	8	40	5	50	100	1600	38400	
R-FIX-NF-10+560	10	50	5	60	100	1200	28800	

FIX Nylon expansion plug with hex screw

Easy-to-install plug with hex head screw giving exceptional performance in solid base materials



Approvals and Reports

- AT-15-8093/2009
- AT-15-8093/2009 - ANNEX No 1



Features and benefits

- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.
- Hex head screw for many application scenarios.

Applications

- Lighting
- Skirting / Dado railing
- Shelves
- Trunking
- Cable trays
- Electrical fittings
- Letterboxes

Base materials

Suitable for use in:

- Concrete
- Solid Concrete Block
- High-Density Natural Stone
- Solid Brick
- Solid Sand-lime Brick



FIX Nylon expansion plug with hex screw (cont.)

Rawlplug code	Plug		Screw		Quantity			Barcode
	Diameter	Length	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	mm	pcs	pcs	pcs	
R-FIX-10/60	10	50	5	60	100	1200	43200	
R-FIX-12/70	12	60	8	70	50	600	21600	

HDPE Contractors Plastic Plug

Standard contractors plastic plugs for fixing of light weight loads



Ireland code	Description	Box Contents	Screw size	Plug Length	Hole diameter	Quantity		Barcode			
						mm	mm		mm	Box	Outer
						mm	mm		mm	pcs	pcs
APP7603	YELLOW						1000		5010445676031		
APP7600	RED						1000		5010445676000		
APP7602UK	BROWN						1000		5010445676024		

Scaffolding Eye Bolt & Nylon Plug

Easy-to-install plug giving exceptional performance in solid base materials



Features and benefits

- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.

Applications

- Scaffolding

Base materials

Suitable for use in:

- Concrete
- Solid Brick
- Natural Stone
- Solid Sand-lime Brick
- Vertically-perforated clay block



Rawlplug code	Box Contents	Drill Diameter (mm)	Barcode
Eyebolts			
	25 x 12x120mm Eye Bolts – Internal/external eye diameter 23/45mm	12	
	25 x 12x160mm Eye Bolts – Internal/external eye diameter 23/45mm	12	
	25 x 12x190mm Eye Bolts – Internal/external eye diameter 23/45mm	12	
	25 x 12x230mm Eye Bolts – Internal/external eye diameter 23/45mm	12	
	25 x 12x300mm Eye Bolts – Internal/external eye diameter 23/45mm	12	
	25 x 12x350mm Eye Bolts – Internal/external eye diameter 23/45mm	12	
Nylon plugs			
	25 x 14x70mm Nylon Plugs	14	
	25 x 14x100mm Nylon Plugs	14	
	25 x 14x135mm Nylon Plugs	14	

All products listed in this publication are branded and distributed with RAWLPLUG® or RAWL® trademarks.

Nylon self drill fixing for plasterboard

Nylon self-drill plasterboard fixing



Features and benefits

- Flange prevents accidental pull through in plasterboard.
- Can be used in single and double thickness plasterboard.
- Short length ideally suited for dry lined walls.
- Installation with a standard screwdriver means that no special tools are necessary.
- Recommended screw diameter: 3.5 - 4.2 mm

Applications

- Sockets, light switches and other electrical fittings
- Shelves and bathroom accessories on standard plasterboard.
- Installation of ceiling fixtures, such as light fittings
- Light shelving, brackets and hooks
- Pictures
- Wood battens

Base materials

Suitable for use in:

- Plasterboard
- Gypsum fibreboards



Rawplug code	Plug		Screw		Quantity			Barcode
	Diameter	Length	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	mm	pcs	pcs	pcs	
R-DRA-01	16	36	-	-	100	1800	57600	
R-DRA-01PLUS	16	36	3.9	32	100	1600	38400	

Metal self drill fixing for plasterboard

Metal self-drive plasterboard fixing



Features and benefits

- Flange prevents accidental pull through in plasterboard.
- Can be used in single and double thickness plasterboard.
- Short length ideally suited for dry lined walls.
- No drill required - simply pierce paper skin and screw home.
- Ideal for use with either a power or manual PZ screwdriver in hard surface of base materials.
- Must only be used with screws provided.

Applications

- Fixing electrical boxes, sanitary ware, cable trunking, etc.
- Shelves and bathroom accessories on standard plasterboard
- Sockets, light switches and other electrical fittings
- Light shelving, brackets and hooks
- Timber or metal battens
- Pictures

Base materials

Suitable for use in:

- Plasterboard
- Gypsum fibreboards
- Chipboard
- Oriented Strand Board
- Aerated Concrete Block



Rawplug code	Plug		Screw		Quantity			Barcode
	Diameter	Length	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	mm	pcs	pcs	pcs	
R-DRA-02	14	28	-	-	100	3200	76800	
R-DRA-02PLUS	14	28	4.2	32	100	1600	38400	



Interset Hollow wall anchor

Interset fixing for permanent anchorages in cavity walls. Zinc-plated metal fixing with metric screw



Features and benefits

- Due to extensive range the SM INTERSET is suitable for board building materials with a thickness 2-38mm, it allows for a number of different applications.
- The fixing can be installed using normal screwdriver, or installation pliers.
- One piece stamping, with integral thread and flange for increased reliability.
- Hinged legs designed to maximise load-bearing capacity in single or double thickness plasterboard.
- Large contact area of expanded arms increases load-bearing capacity and security.
- Integral anti-rotation lugs.
- Fixtures can be removed and re-fitted.
- Combination head screw supplied.

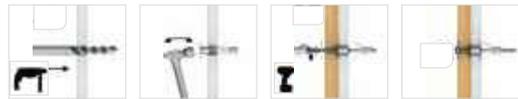
Applications

- Shelves and bathroom accessories on standard plasterboard
- Radiators and kitchen cabinets on double thickness and tiled plasterboard
- Pictures
- Lamps
- Towel rails
- Curtain rails
- Mirrors

Base materials

Suitable for use in:

- Plasterboard
- Chipboard
- Oriented Strand Board



Rawlplug code	Ireland code	Anchor			Quantity			Barcode
		Drill size	Dimensions	Wall thickness	Box	Outer	Pallet	
		mm	mm	mm	pcs	pcs	pcs	
R-SM-04020	AISSM04020	8	M4x20	2-5	100	3200	76800	5906675191126
R-SM-04032	AISSM04032	8	M4x32	2-10	100	3200	76800	5906675191225
R-SM-04038	AISSM04038	8	M4x38	8-15	100	1600	38400	5906675172361
R-SM-04046		8	M4x46	15-21	100	1600	38400	
R-SM-04059		8	M4x59	34-38	100	1600	38400	
R-SM-05037	AISSM05037	10	M5x37	5-13	100	1600	38400	5906675172385
R-SM-05052	AISSM05052	10	M5x52	6-16	100	1600	38400	5906675172408
R-SM-05065	AISSM05065	10	M5x65	15-28	100	1200	28800	5906675191928
R-SM-06037	AISSM06037	12	M6x37	8-12	100	1200	28800	5906675192123
R-SM-06052	AISSM06052	12	M6x52	13-15	100	1200	28800	5906675172460
R-SM-06065	AISSM06065BX50	12	M6x65	15-28	50	600	14400	5906675172484
R-SM-06080		12	M6x80	32-35	50	600	14400	
R-SM-08080		16	M8x80	32-35	50	600	14400	
R-SM-04032K		8	M4	2-10	100	1800	28 800	
R-SM-04032S		8	M4	2-10	100	1800	28 800	

AT Tool for interset

Setting tool for easy setting of Interset cavity fixings



Features and benefits

- Setting tool used to pull the screw head and expanding the fixing body of interset cavity fixings
- No screwdriver needed for installation

Applications

- Shelves and bathroom accessories on standard plasterboard
- Light shelving, brackets and hooks

Ireland code	Quantity			Barcode
	Box	Outer	Pallet	
	pcs	pcs	pcs	
AISS1540	1	30	540	5010445415456

Spring toggle

Spring toggle single or double thickness plasterboard and large fixtures



Features and benefits

- The long threaded rod of the toggle fixings allows for use with different board thickness and thick attachments, offers maximum flexibility.
- The wide transition beams ensure a good load distribution. This achieves a high load-bearing capacity.
- Allows easy installation for fastenings behind thick panels in very flat cavities.
- Self-acting anchor with easy installation.
- Suitable for overhead applications

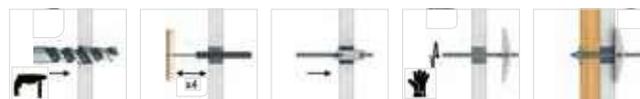
Applications

- Light shelving
- Brackets, grips and hooks
- Paintings
- Lamps
- Lighting
- Mirrors
- Shelves
- Other decorative elements

Base materials

Suitable for use in:

- Plasterboard
- Chipboard
- Oriented Strand Board
- Plastic



Rawlplug code	Ireland code	Anchor		Max fixture thickness (T _{fix}) mm	Quantity			Barcode
		Dimensions	Drill size		Box	Outer	Pallet	
		mm	mm		pcs	pcs	pcs	
Wing with Screw								
R-SPO-03050	AST4430	M3x50	11	30	100	1600	38400	5010445944307
R-SPO-05050	AST4436	M5x50	14	24	100	100	40000	5010445944369
R-SPO-05080	AST4439	M5x80	14	54	100	100	40000	5010445944390
R-SPO-06060	AST4442	M6x60	18	28	50	50	20000	5010445944420
R-SPO-06080	AST4445	M6x80	18	48	50	50	11500	5010445944451
R-SPO6-94410		M6x600	18		-	-	-	
Wing only								
R-SPO5-94406		M5x50	18		100	-	-	
R-SPO6-94410		M6x60	18		50	-	-	

Plastic toggle

Fixtures can be removed and replaced for redecoration



Features and benefits

- Easy installation with best performance in lightweight base materials.
- Hinged legs designed to maximise load-bearing capacity in plasterboard.
- Medium duty plasterboard fixing.
- Quick and easy installation for household applications.
- Fixing body made of impact resistant co-polymer of polypropylene.
- Suitable for use with 4mm wood screw.

Applications

- Shelves and bathroom accessories on standard plasterboard
- Pictures
- Towel rails
- Light shelving
- Brackets, grips and hooks
- Lamps

Base materials

Suitable for use in:

- Plasterboard
- Chipboard
- Oriented Strand Board
- Plywood



Rawlplug code	Anchor			Quantity			Barcode
	Drill diameter	Screw dimensions	Wall thickness	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
G Plastic toggle							
R-08G	8	8x35	-	100	1600	38400	
R-10G	10	10x35	9.5 - 12	100	1200	28800	
GK Plastic toggle with Angle Hook							
R-08GK	8	3,5 x 35	12.5	100	1600	38400	
R-10GK	10	4,0 x 50	9.5	50	800	19200	
GL Plastic Toggle with Countersunk Screw							
R-08GL	8	-	-	100	1600	38400	
R-10GL	10	-	-	50	800	19200	

RAWLNUT Flexi Plug



Features and benefits

- Resistant to vibration and corrosion.
- Ideal for unknown substrates and irregular or oversized holes.
- Rubber flange sets flush at the surface which guarantee tight fixing.
- Made from synthetic rubber (EPDM) for more severe corrosion environment.
- Bonded brass insert.

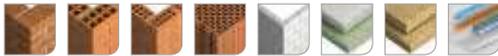
Applications

- Pictures
- Lighting
- Shelves
- Trunking
- Cable trays
- Electrical fittings

Base materials

Suitable for use in:

- Solid Brick
- Hollow Brick
- Vertically-perforated clay block
- Aerated Concrete Block
- Plasterboard
- Chipboard
- Plastic



Rawplug code	Anchor			Quantity			Barcode
	Drill size	Screw	Length	Box	Outer	Pallet	
	mm		mm	pcs	pcs	pcs	
RAWLNUT Flexi Plug							
R-RNT-M4/12	8	M4	12.6	50	900	21600	
R-RNT-M4/24	8	M4	24.0	50	900	21600	
R-RNT-M5/14	10	M5	14.1	50	900	21600	
R-RNT-M5/26	10	M5	26.1	50	900	21600	
R-RNT-M5/40	10	M5	39.8	50	900	21600	
R-RNT-M6/16	13	M6	16.0	50	900	21600	
R-RNT-M6/27	13	M6	26.7	50	900	21600	
R-RNT-M6/35	13	M6	35.0	50	900	21600	
R-RNT-M6/50	13	M6	50.0	50	900	21600	
R-RNT-M8/28	16	M8	27.9	50	900	21600	
R-RNT-M8/30	18	M8	30.0	50	900	21600	
R-RNT-M8/50	18	M8	50.0	50	900	21600	
R-RNT-M10/55	20	M10	55.0	25	360	8640	
R-RNT-M12/80	24	M12	75.0	20	360	8640	
RAWLNUT Flexi Plug with Screw							
R-RNT-M3X30	8	M3x30	24.0	50	900	21600	
R-RNT-M4X20	8	M4x20	12.6	50	900	21600	
R-RNT-M4X30	8	M4x30	24.0	50	900	21600	
R-RNT-M5X20	10	M5x20	14.1	50	900	21600	
R-RNT-M5X30	10	M5x30	26.1	50	900	21600	
R-RNT-M5X40-50	10	M5x50	39.8	50	900	21600	

TAP-IT Hammer-in fixing for plasterboard

Metal fixing for plasterboard



Versions:

- R-BP
- R-BP-PLUS with screw

Features and benefits

- Steel fixing for medium and heavy weights
- Simple installation due to introductory thread
- Corrugated tip simplifies installation without previous drilling
- Expanding construction of the fixing prevents spinning in the substrate during installation
- Flat head enables leveling fixing with the surface of the substrate
- Simple removal without harming the substrate

Applications

- Sanitary appliances
- Wardrobes
- Curtain rods support
- Shelves support
- Heaters
- Convector heaters
- Kitchen appliances

Base materials

Suitable for use in:

- Plasterboard

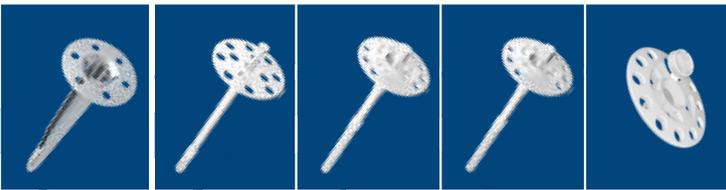


Rawlplug code	Fixing	Plug	Screw	Quantity			Barcode
	Dimension	Diameter	Length	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
TAP IT	30x12	10.5	-	100	1600	38400	
TAP IT-PLUS	30x12	10.5	40	100	1600	38400	



Facade Insulation Fixings

Overview of our range

						
		ETICS FIXINGS	INSULATION FIXINGS			
FASTENER NAME		MBA	KI-10	KI-10N	KI-10NS	KC
INSULATION MATERIAL	EXTRUDED OR EXPANDED POLYSTYRENE 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	MINERAL WOOL 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	LAMELLA WOOL + HOLDING FLANGE 					
	CORK BOARDS, WOOD FIBREBOARDS, LIGHTWEIGHT RECYCLED PANELS 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
SUBSTRATES	CONCRETE  A	<input checked="" type="checkbox"/> 0.8 kN	<input checked="" type="checkbox"/> 0.4 kN	-	-	<input checked="" type="checkbox"/> 1.0 kN
	SOLID BRICK, CALCIUMSILICATE BRICK, CONCRETE BLOCKS, STONE  B	<input checked="" type="checkbox"/> 0.6 kN	<input checked="" type="checkbox"/> 0.4 kN	<input checked="" type="checkbox"/> 0.9 kN	<input checked="" type="checkbox"/> 1.2 kN	<input checked="" type="checkbox"/> 1.0 kN
	HOLLOW BRICK, CHEQUER BRICK, CERAMIC HOLLOW BRICKS  C	-	<input checked="" type="checkbox"/> 0.3 kN	<input checked="" type="checkbox"/> 0.4 kN	<input checked="" type="checkbox"/> 0.4 kN	-
	LIGHTWEIGHT CONCRETE BLOCKS, E.G. LECA CONCRETE  D	-	<input checked="" type="checkbox"/> 0.5 kN	<input checked="" type="checkbox"/> 0.3 kN	<input checked="" type="checkbox"/> 0.73 kN	-
	AUTOCLAVED CELLULAR (GAS) CONCRETE  E	<input checked="" type="checkbox"/> 0.7 kN	<input checked="" type="checkbox"/> 0.1 kN	<input checked="" type="checkbox"/> 0.9 kN	<input checked="" type="checkbox"/> 0.75 kN	
	TIMBER, WOOD-BASED BOARDS 	-	-	-	-	<input checked="" type="checkbox"/> 1.0 kN
	TRAPEZOIDAL SHEET 	-	-	-	-	<input checked="" type="checkbox"/> 1.0 kN
APPROVALS		AT-15-8092/2009 and Annex No. 1	ETA 07/0291	ETA 07/0221	ETA 07/0221	AT-15-4627/2006
CHARACTERISTICS	AVAILABLE LENGTHS [MM]	MBA: 80, 110, 140, 170, 200, 240, 300, MBA-SS: 90, 110, 140, 170, 200, 250, 300	70, 90, 120, 140, 160, 180, 200, 220	120, 140, 160, 180, 200, 220, 240, 260, 300	140, 160, 180, 200, 220, 240, 260, 300	UC: 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 180, 200 WB: 80, 100, 120, 140, 160, 170, 180, 200, 220
	THERMAL INSULATION THICKNESSES RANGE [MM]	50 - 160	30 - 180	60 - 230	80 - 230	40 - 200
	DRILL DIAMETER [MM]	8 	10 	10 	10 	-
	ANCHORAGE DEPTH (MM)	50	25	60	60	30
	INSTALLATION TYPE	hammer set 	hammer set 	hammer set 	screw-in 	screw-in 
ADDITIONAL INFORMATION	Non-flammable fixings for ETICS-requiring installations.	The economical fixing for bonded ETICS applications.	Fastener for most demanding substrates. Screwed-in fixings are strongly recommended for large sections of insulation installed in porous materials, such as porous ceramic hollow bricks and the lightest form of a gas concrete.		The best choice for timber, sheathing board and trapezoidal sheet.	

Overview of our range

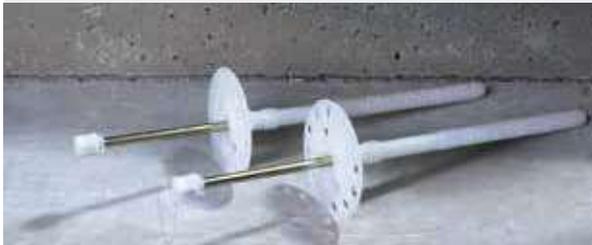
FACADE INSULATION FIXINGS

INSULATION FIXINGS



SCREW-IN FACADE FIXINGS

Screw-in facade fixing with 60mm long expansion zone for high performance in all base materials.

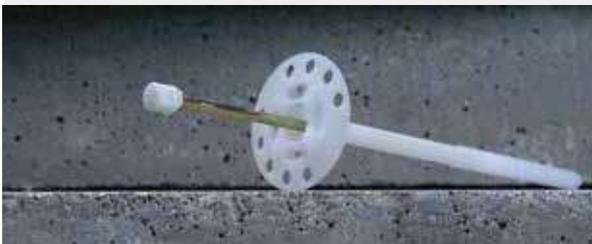


FEATURES AND BENEFITS:

- Quick and easy installation in all substrates
- Approved for use in all base material categories A, B, C, D, E
- Steel screw allows fast and trouble-free installation with correct expansion of the plug
- Reduction of thermal bridge formation (value 0.3W/K) through the integration of an impact-resistant plastic overmoulding on the screw head.
- Plate stiffness (value 0.5 kN/mm) ensures smooth elevation surface and stable insulation system.
- Can be used with additional KWL insulation holding plate, available in 90, 110 and 140mm flange sizes (recommended for soft insulation materials such as mineral wool).

HAMMER-IN FAÇADE FIXING WITH METAL NAIL

Hammer-in facade fixing 60mm long expansion zone for high performance in masonry, as well as lightweight and aerated concrete.



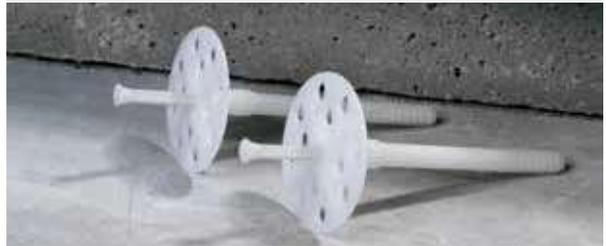
FEATURES AND BENEFITS:

- Easy installation with best performance in lightweight base materials
- Approved for use in base material categories B, C, D, and E
- Steel nail allows fast and trouble-free installation with correct expansion of the plug.
- Reduction of thermal bridge formation (value 0.3W/K) through the integration of an impact-resistant plastic overmoulding on the nail head.
- Plate stiffness (value 0.5 kN/mm) ensures smooth elevation surface and stable insulation system.
- Can be used with additional KWL insulation holding plate, available in 90, 110 and 140mm flange sizes.

FACADE INSULATION FIXINGS

HAMMER-IN FAÇADE FIXING WITH PLASTIC NAIL

Hammer-in fixing with reinforced plastic nail.



FEATURES AND BENEFITS:

- Installation in all substrates (categories A, B, C, D, E).
- The plastic nail reduces heat transmission (value 0.0W/K)
- Plastic nail reinforced with glass fibre allows fast and trouble-free installation with correct expansion of the plug.
- Expansion zone designed for low embedment depths, reducing the amount of drilling required.

INSULATION WASHER

Insulation washer with integral cap suitable for attachment of insulation layers to wooden and sheet metal substrates.



FEATURES AND BENEFITS:

- Recommended for the attachment of ETICS to wooden substrates using UC screws, or to sheet metal using WB screws.
- Special design of integral fastener cap allows reduction of thermal bridges.
 - Consistent and reliable holding force.
 - Quick, simple and clean installation.
 - Can be used in combination with additional KWL plate - 90, 110 or 140mm diameter.

INSULATION SUPPORT

FIRE-RESISTANT METAL INSULATION FIXINGS

Metal facade fixing, recommended for use when fire resistance (F120) is a requirement



INSULATION RETAINING PLATES

Insulation retaining plate for use in combination with facade fixings from TFIX and KI ranges



FACADE INSULATION ACCESSORIES

Tools, bits, insulation caps, adhesives and other accessories you need for external wall insulation.



KI-10NS Screw-in insulation fixing with long expansion zone



Approvals and Reports

- ETA-07/0221



Features and benefits

- Quick and easy installation in all substrates
- Approved for use in all base material categories A,B,C,D,E
- Steel screw allows fast and trouble-free installation with correct expansion of the plug
- Reduction of thermal bridge formation (value 0.3W/K) through the integration of an impact-resistant plastic overmoulding on the screw head.
- Plate stiffness (value 0.5 kN/mm) ensures smooth elevation surface and stable insulation system.
- Can be used with additional KWL insulation holding plate, available in 90, 110 and 140mm flange sizes (recommended for soft insulation materials such as mineral wool).

Applications

- External Thermal Insulation Composite Systems (ETICS)
- Polystyrene (EPS) boards
- Mineral wool
- Light wood wool building boards
- Polyurethane (PU) boards
- Lightweight recycled panels

Base materials

Approved for use in:

- Concrete C12/15-C50/60 (Use category A)
- Solid Brick (Use category B)
- Hollow Brick (Use category C)
- Vertically-perforated clay block (Use category C)
- Reinforced components of lightweight aggregate concrete (Use category D)
- Aerated Concrete Block (Use category E)



Rawplug code	Fixing			Fixture	Quantity			Barcode
	Diameter	Length	Plate diameter	Recommended thickness	Box	Outer	Pallet	
	mm	mm	mm	t _{fix} B, C, D, E mm	pcs	pcs	pcs	
R-KI-140NS	10	140	60	70	250	250	8000	
R-KI-160NS	10	160	60	90	250	250	8000	
R-KI-180NS	10	180	60	110	250	250	6000	
R-KI-200NS	10	200	60	130	250	250	6000	
R-KI-220NS	10	220	60	150	250	250	6000	
R-KI-260NS	10	260	60	190	200	200	4800	
R-KI-300NS	10	300	60	230	200	200	4800	

KI-10N Long expansion zone facade fixing with metal pin



Approvals and Reports

- ETA-07/0221



Features and benefits

- Easy installation with best performance in lightweight base materials
- Approved for use in base material categories B, C, D, and E
- Steel nail allows fast and trouble-free installation with correct expansion of the plug.
- Reduction of thermal bridge formation (value 0.3W/K) through the integration of an impact-resistant plastic overmoulding on the nail head.
- Plate stiffness (value 0.5 kN/mm) ensures smooth elevation surface and stable insulation system.
- Can be used with additional KWL insulation holding plate, available in 90, 110 and 140mm flange sizes.

Applications

- External Thermal Insulation Composite Systems (ETICS)
- Polystyrene (EPS) boards
- Mineral wool
- Light wood wool building boards
- Polyurethane (PU) boards
- Lightweight recycled panels

Base materials

Approved for use in:

- Solid Brick (Use category B)
- Hollow Brick (Use category C)
- Vertically-perforated clay block (Use category C)
- Lightweight Concrete Block (Use category C)
- Reinforced components of lightweight aggregate concrete (Use category D)
- Aerated Concrete Block (Use category E)



Rawplug code	Fixing			Fixture Recommended thickness t_{fix} B, C, D, E mm	Quantity			Barcode
	Diameter	Length	Plate diameter		Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs		
R-KI-120N	10	120	60		250	250	8000	
R-KI-140N	10	140	60	70	250	250	8000	
R-KI-160N	10	160	60	90	250	250	8000	
R-KI-180N	10	180	60	110	250	250	6000	
R-KI-200N	10	200	60	130	250	250	6000	
R-KI-220N	10	220	60	150	250	250	6000	
R-KI-260N	10	260	60	190	200	200	4800	
R-KI-300N	10	300	60	210	200	200	4800	

KI-10 Facade fixing with plastic pin



Approvals and Reports

- ETA-07/0291



Features and benefits

- Installation in all substrates (categories A,B,C,D,E).
- The plastic nail reduces heat transmission (value 0.0W/K)
- Plastic nail reinforced with glass fibre allows fast and trouble-free installation with correct expansion of the plug.
- Expansion zone designed for low embedment depths, reducing the amount of drilling required.
- Can be used with additional KWL insulation holding plate, available in 90, 110 and 140mm flange sizes (recommended for soft insulation materials such as mineral wool).
- Optimal product parameters enable cost-saving solutions.

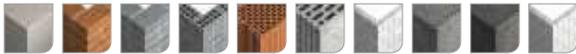
Applications

- External Thermal Insulation Composite Systems (ETICS)
- Polystyrene boards
- Mineral wool
- Light wood wool building boards
- Polyurethane boards
- Wood fibre boards
- Lightweight recycled panels

Base materials

Approved for use in:

- Concrete C12/15-C50/60 (Use category A)
- Solid Brick (Use category B)
- Solid Sand-lime Brick (Use category B)
- Hollow Sand-lime Brick (Use category C)
- Vertically-perforated clay block (Use category C)
- Hollow Lightweight Concrete Block (Use category C)
- Lightweight Concrete Block (Use category C)
- Reinforced components of lightweight aggregate concrete (Use category D)
- Aerated Concrete Block (Use category E)



Rawplug code	Fixing			Fixture Recommendwd thickness	Quantity			Barcode
	Diameter	Length	Plate diameter		Box	Outer	Pallet	
	mm	mm	mm	t_{fix} B, C, D, E mm				
R-KI-070	10	70	60	35	250	250	14000	
R-KI-090	10	90	60	55	250	250	14000	
R-KI-120	10	120	60	85	250	250	12000	
R-KI-140	10	140	60	105	250	250	10000	
R-KI-160	10	160	60	125	250	250	10000	
R-KI-180	10	180	60	145	250	250	7500	
R-KI-200	10	200	60	165	250	250	7500	
R-KI-220	10	220	60	185	250	250	7500	

MBA Steel facade fixing

Fire-resistant metal insulation fixing

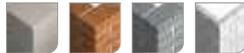


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MBA Steel facade fixing (cont.)

Approvals and Reports

- AT-15-8092/2009
- AT-15-8092/2009 - ANNEX No 1, 2 & 3



Features and benefits

- Metal facade fixing, recommended for use when fire resistance (F120) is a requirement
- Fast and simple hammer-set installation reduces working times.
- Extensive dimensional range allows anchorage of insulation boards up to 250mm thick
- Accessory spreader plate, MKC (80mm diameter) also available for installation of soft insulation materials such as mineral wool.

Applications

- Mineral wool
- Glass wool
- Lightweight wood wool building boards
- Lightweight recycled panels
- Polystyrene (EPS) boards
- Polyurethane (PU) boards

Base materials

Approved for use in:

- Concrete C12/15-C50/60 (Use category A)
- Solid Brick (Use category B)
- Solid Sand-lime Brick (Use category B)
- Aerated Concrete Block (Use category E)



Rawlplug code	Hole depth mm	Fixing			Fixture		Quantity			Barcode
		Diameter	Length	Plate diameter	Concrete, Solid brick	Aerated Concrete Block	Box	Outer	Pallet	
		mm	mm	mm	t _{fix} (mm)	t _{fix} (mm)	pcs	pcs	pcs	
MBA08050	60	8	50	40			250			539151282293
MBA08060	60	8	60	40			250			5391512826154
MBA08080	60	8	80	40			250			5391512821968
MBA-08090	60	8	80	40	60	40	250	250	4000	5391512822248
MBA-08110	60	8	110	40	80	60	250	250	4000	5391512821975
MBA-08140	60	8	140	40	110	90	250	250	4000	5391512821982
MBA-08170	60	8	170	40	150	130	250	250	4000	5391512822262
MBA-08200	60	8	200	40	170	150	250	250	4000	
MBA-08250	60	8	240	40	210	190	250	250	4000	
MBA-08300	60	8	300	40	270	250	250	250	5000	

MBA Stainless steel facade fixing

Fire-resistant stainless steel insulation fixing



Approvals and Reports

- AT-15-8092/2009
- AT-15-8092/2009 - ANNEX No 1
- AT-15-8092/2009 - ANNEX No 2



Features and benefits

- Metal facade fixing, recommended for use when fire resistance (F120) is a requirement
- Stainless steel material for high corrosion resistance
- Fast and simple hammer-set installation reduces working times.
- Extensive dimensional range allows anchorage of insulation boards up to 250mm thick
- Accessory spreader plate, MKC-A2 (80mm diameter) also available for installation of soft insulation materials such as mineral wool

Applications

- Mineral wool
- Glass wool
- Lightweight wood wool building boards
- Lightweight recycled panels
- Polystyrene (EPS) boards
- Polyurethane (PU) boards

Base materials

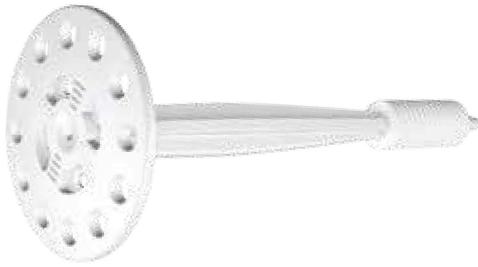
Approved for use in:

- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Aerated Concrete Block



Rawlplug code	Fixing			Fixture		Quantity			Barcode
	Diameter	Length	Plate diameter	Concrete, Solid brick	Aerated Concrete Block	Box	Outer	Pallet	
	mm	mm	mm	t _{fix} (mm)	t _{fix} (mm)	pcs	pcs	pcs	
MBA-SS-08090	8	90	40	60	40	250	250	4000	
MBA-SS-08110	8	110	40	80	60	250	250	4000	
MBA-SS-08140	8	140	40	110	90	250	250	4000	
MBA-SS-08170	8	170	40	150	130	250	250	4000	
MBA-SS-08200	8	200	40	170	150	250	250	4000	
MBA-SS-08250	8	250	40	210	190	125	125	4000	
MBA-SS-08300	8	300	40	270	250	125	125	4000	

KIK Insulation fixings



Features and benefits

- The simple hammer-set functioning allows for fast installation.
- Embedded portion of fixing grips inside of hole when hammered into base material.

Applications

- Foundation board
- Polystyrene (EPS) boards
- Polyurethane (PU) boards
- Cork boards
- Wood boards

Base materials

Approved for use in:

- Concrete
- Solid Brick
- Natural Stone
- Solid Sand-lime Brick



Rawplug code	Fixing			Fixture Recommended thickness t_{fix} (mm)	Quantity			Barcode
	Diameter	Length	Plate diameter		Box	Outer	Pallet	
	mm	mm	mm		pcs	pcs	pcs	
R-KIK-070	8	70	35	30	400	400	12800	
R-KIK-090	8	90	35	50	400	400	12800	

KC Insulation Washers



Features and benefits

- Recommended for the attachment of ETICS to wooden substrates using UC screws, or to sheet metal using WB screws.
- Special design of integral fastener cap allows reduction of thermal bridges.
- Consistent and reliable holding force.
- Quick, simple and clean installation.
- Can be used in combination with additional KWL plate - 90, 110 or 140mm diameter.

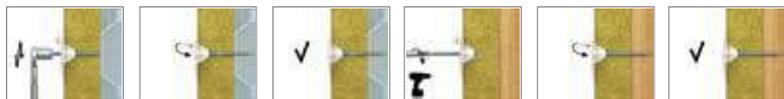
Applications

- External Thermal Insulation Composite Systems (ETICS)
- Polystyrene (EPS) boards
- Mineral wool
- Polyurethane (PU) boards

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Wood



Rawplug code	Washer			Quantity			Barcode
	Diameter	Max screw size	Height	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
R-KC	60	6	20	200	200	22 400	

KWL Insulation retaining plate



Approvals and Reports

- ETA-07/0221
- ETA-07/0291
- ETA-07/0336
- ETA-11/0144
- ETA-13/0845



Features and benefits

- Quick and easy application possible with all ETICS fixings.
- Nylon versions ideal for enhanced plate stiffness.
- Polypropylene standard versions are recommended for cost-effective applications.
- A versatile solution for many insulation scenarios.

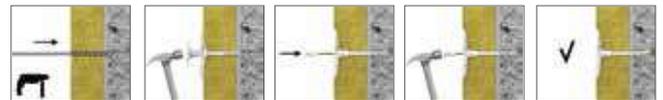
Applications

- External Thermal Insulation Composite Systems (ETICS)
- Polystyrene (EPS) boards
- Mineral wool
- Polyurethane (PU) boards

Base materials

Approved for use in:

- Polystyrene (EPS) boards
- Mineral Wool Boards



Rawlplug code	Fixing	Quantity			Barcode
	Diameter	Box	Outer	Pallet	
	mm	pcs	pcs	pcs	
R-KWL-090PP	90	200	200	11200	
R-KWL-110PP	110	200	200	3200	
R-KWL-140PP	140	200	200	2400	

MKC/MKC-A2 Washers



Approvals and Reports

- AT-15-8092/2009
- AT-15-8092/2009 - ANNEX No1
- AT-15-8092/2009 - ANNEX No 2



Features and benefits

- Fire resistant washer
- Washer to suit all types of compressible thermal insulation materials
- Quick and easy application
- A versatile solution for many insulation scenarios.

Applications

- Polystyrene (EPS) boards
- Polyurethane (PU) boards
- Mineral wool
- Light wood wool boards
- Cork boards



Rawlplug code	Ireland code	Fixing			Thickness	Quantity			Barcode
		Diameter	Length	Inside diameter	t	Box	Outer	Pallet	
		mm	mm	mm	mm	pcs	pcs	pcs	
MKC		80	3	8.5	0.5	250	250	12500	
MKC-A2		80	3	8.5	0.5	250	250	12500	

ISO-PLUG

Can be installed with commercial drill/drive tool.
No thermal bridging

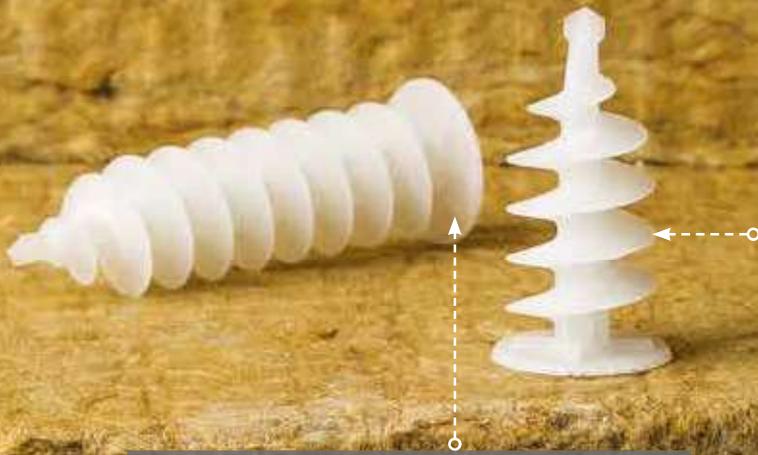
Ribs on the internal surface of plate provide locking in surface during driving screws in and out and even surface of plug with substrate after fixing

Unique construction of screw thread section provides support for wide variety of diameters, without limitation of screws' length.

Unique self-drilling point allow precise installation through any type of façade plaster, preventing from breaking its surface

Surface of the plate allows hiding installation hole and perfectly matches the surface of plaster layer, not deforming it

Proper shape of TX/HEX socket provides stabilization during the process of driving in by providing necessary grip for the bit

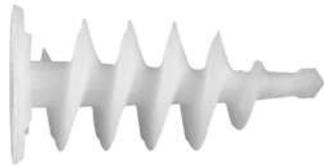


ISO-PLUG Insulation fixings

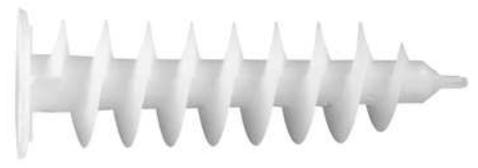
For fastening lightweight fixtures on insulated facades eliminating thermal bridging



ISO-PLUG 50



ISO-PLUG 80



Installation guide movie

Features and benefits

- No thermal bridging.
- Can be installed with commercial drill/drive tool
- The geometry of the ISO-PLUG allows for a simple installation in thin layers of plaster, without the need for pre-drilling, thus saving a stage of installation
- Use with 4,5mm chipboard screw

Applications

- Façade construction (ETICS)
- Attachments to insulation
- Lightweight recycled panels
- Electrical fittings
- Refrigeration and climate control

Base materials

Approved for use in:

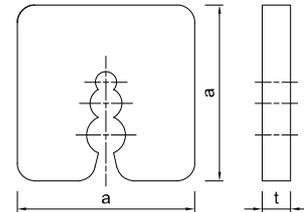
- Polystyrene (EPS) boards
- Mineral Wool Boards



Rawlplug code	Plug		Quantity			Barcode
	Length	Box	Outer	Pallet		
	mm	pcs	pcs	pcs		
ISO-PLUG-50	52	50	600	22000		
ISO-PLUG-80	82	40	480	8640		

PD Spacer disc

Essential for correct installation of base tracks and ETICS rails on uneven substrates



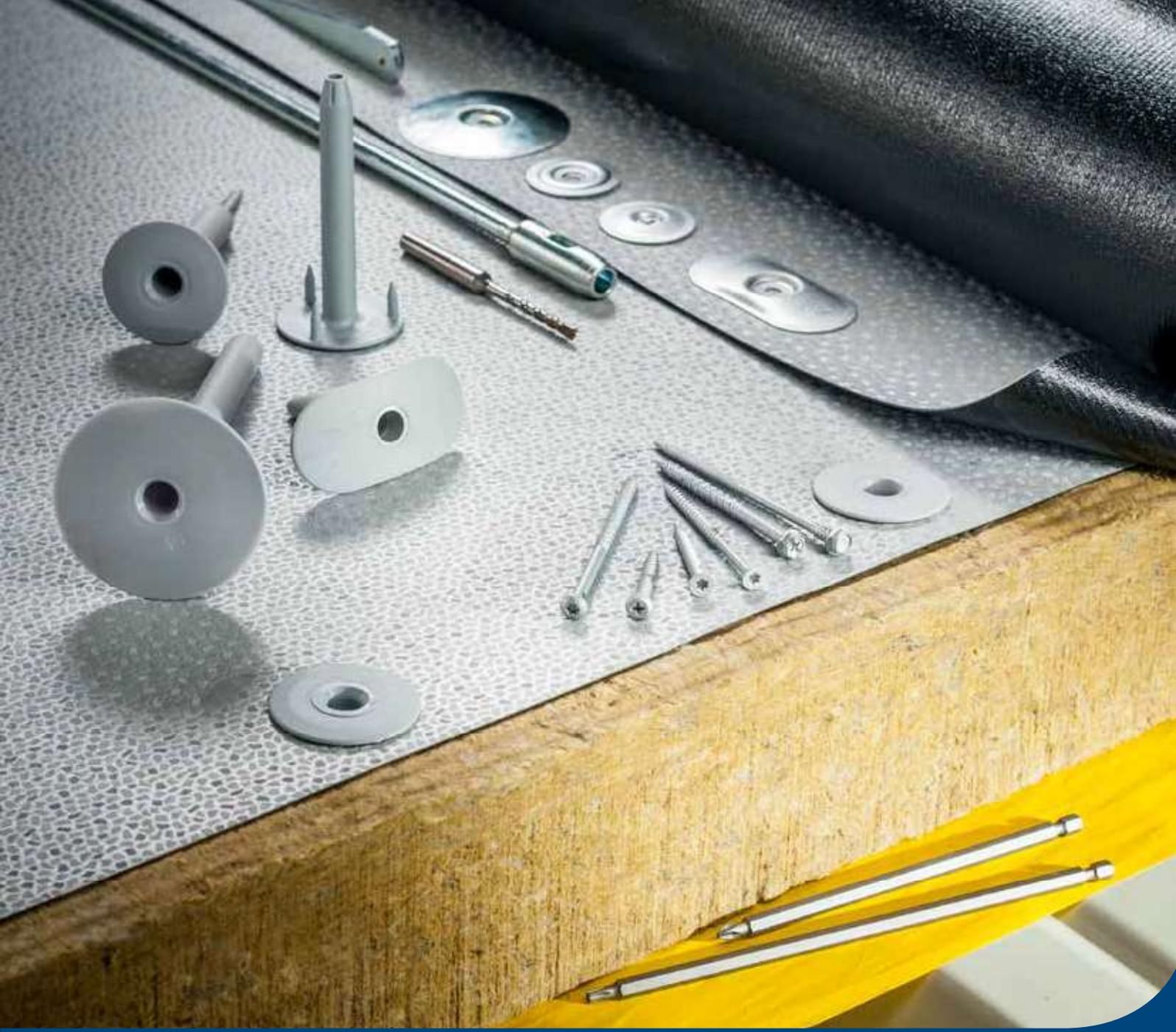
Features and benefits

- Designed for use with different fasteners in diameters 6,8 & 10mm
- Colour coded for quick and easy size identification
- For levelling out facade tolerances: lengths can be combined (3,5,8,10,15mm)
- Simple installation.

Applications

- ETICS rails
- Base track

Rawlplug code	Size a	Thickness	Quantity			Barcode
			Box	Outer	Pallet	
			pcs	pcs	pcs	
PD-03	40	3	25	600	19200	
PD-05	40	5	25	600	19200	
PD-08	40	8	25	450	14400	
PD-10	40	10	25	300	9600	
PD-15	40	15	25	300	9600	



Roofing Insulation Fixings

Fixing Range



ROOFING SCREWS:		WBT	WCS	WB	WO	WX	WX-A4	WX-5.8	WW
TELESCOPIC TUBES & WASHERS	GOK		✓	-	-	✓	✓	✓	✓
	GOK-PLUS		✓	-	-	✓	✓	✓	✓
	GOK-75		✓	-	-	✓	✓	✓	✓
	GOW		✓	-	-	✓	✓	✓	✓
	POK-041		✓	✓	✓	✓	✓	✓	✓
	POW-05		-	-	✓	✓	✓	✓	✓
	POW-07		✓	✓	✓	✓	✓	✓	✓
SIZE	SCREW LENGTH [mm]	50-300	28-230	80-220	60-300	50-300	50-100	40-300	20-120
	SCREW THREAD DIAMETER [mm]	6.1	6.3	4.8	4.8	4.8	4.8	5.8	5.0
	TELESCOPIC RANGE [mm]	15-725	-	-	15-725	15-725	15-725	15-725	15-725
BASE MATERIALS	CONCRETE		✓	✓	-	WO +K08L	-	-	-
	THIN-WALLED CONCRETE SLABS		✓	✓	-	-	-	-	-
	STEEL		-	-	✓	✓	✓	✓	-
	TIMBER		✓	-	-	✓	-	-	✓
	ORIENTED STRAND BOARD		-	-	-	✓	-	-	✓
	PLYWOOD		-	-	-	-	-	-	✓
APPROVALS		✓	✓	✓	✓	✓	-	-	✓

GOK Telescopic sleeve with round plate

Telescopic sleeve for flat roof insulation fixings. Combined together with the corresponding screw allows application in all types of substrates.



Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012
- AT-15-7476/2012 - ANNEX No 1



Features and benefits

- Impact-resistant material used ensures constant mechanical properties over the lifetime of a roof. Also, retains its properties over a wide temperature range.
- Round plate eliminates the need of positioning the fixing during the installation, the bottom part of the connection sleeve is designed to carry very heavy loads during operation of the roof.
- Internal sleeve design allows pre-assembly with any Rawlplug roofing screw, shortening installation.
- The lower part of the connector telescope has been designed in the shape of a cone with an optimum angle of inclination which significantly affects the speed of its installation.
- Guarantees the highest load capacity of the roof construction for both static and dynamic loads in accordance with ETAG006.

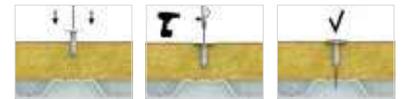
Applications

- Mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Concrete
- Concrete Slab
- Metal Sheet & Profiles
- Timber
- Plywood
- Chipboard



Rawlplug code	Plastic sleeve		Quantity		Barcode
	Diameter	Length	Box	Outer	
	mm	mm	pcs	pcs	
R-GOK-015	15,5	15	1100	1100	
R-GOK-035	15,5	35	600	600	
R-GOK-065	15,5	65	400	400	
R-GOK-075	15,5	75	300	300	
R-GOK-085	15,5	85	300	300	
R-GOK-095	15,5	95	250	250	
R-GOK-105	15,5	105	250	250	
R-GOK-125	15,5	125	200	200	
R-GOK-135	15,5	135	200	200	
R-GOK-165	15,5	165	150	150	
R-GOK-185	15,5	185	100	100	
R-GOK-225	15,5	225	100	100	
R-GOK-255	15,5	255	75	75	
R-GOK-285	15,5	285	75	75	
R-GOK-325	15,5	325	50	50	
R-GOK-385	15,5	385	50	50	
R-GOK-425	15,5	425	50	50	

GOK-PLUS Telescopic sleeve with additional fixing features

Telescopic sleeve with additional fixing features for fastening of synthetic membranes in the overlap with maximum design load.



Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012 - ANNEX No 1
- AT-15-7476/2012



Features and benefits

- Special additional fixing features improve windload to guarantee best parameters of roofing membrane system
- Can be combined with any Rawlplug roofing screws: WBT screws for concrete, WX or WO screws for trapezoidal metal sheet and WW screws for timber.
- Impact-resistant material used ensures constant mechanical properties over the lifetime of a roof. Also, retains its properties over a wide temperature range.
- Internal sleeve design allows pre-assembly with any Rawlplug roofing screw, shortening installation.
- The cone's optimal shape facilitates speed and ease of installation through the thermal insulation.
- Guarantees the highest load capacity of the roof construction for both static and dynamic loads in accordance with ETAG006.
- Best wind loads allows to minimise usage of fixing points per m²

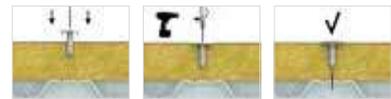
Applications

- Mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Concrete
- Concrete Slab
- Metal Sheet & Profiles
- Timber
- Plywood
- Chipboard



Rawlplug code	Plastic sleeve		Quantity		Barcode
	Diameter	Length	Box	Outer	
	mm	mm	pcs	pcs	
R-GOK-PLUS-015	15,5	15	1100	1100	
R-GOK-PLUS-035	15,5	35	600	600	
R-GOK-PLUS-065	15,5	65	400	400	
R-GOK-PLUS-075	15,5	75	300	300	
R-GOK-PLUS-085	15,5	85	300	300	
R-GOK-PLUS-095	15,5	95	250	250	
R-GOK-PLUS-105	15,5	105	250	250	
R-GOK-PLUS-125	15,5	125	200	200	
R-GOK-PLUS-135	15,5	135	200	200	
R-GOK-PLUS-165	15,5	165	150	150	
R-GOK-PLUS-185	15,5	185	100	100	
R-GOK-PLUS-225	15,5	225	100	100	
R-GOK-PLUS-255	15,5	255	75	75	
R-GOK-PLUS-285	15,5	285	75	75	
R-GOK-PLUS-325	15,5	325	50	50	
R-GOK-PLUS-385	15,5	385	50	50	
R-GOK-PLUS-425	15,5	425	50	50	

GOK 75

Telescopic nylon sleeve for fastening of thermal insulation boards or base layer.



Approvals and Reports

- ETA-09/0346



Features and benefits

- Impact-resistant material used ensures constant mechanical properties over the lifetime of a roof. Also, retains its properties over a wide temperature range.
- Round plate eliminates the need of positioning the fixing during the installation, the bottom part of the connection sleeve is designed to carry very heavy loads during operation of the roof.
- Internal sleeve design allows pre-assembly with any Rawlplug roofing screw, shortening installation.
- The cone's optimal shape facilitates speed and ease of installation through the thermal insulation.
- Guarantees the highest load capacity of the roof construction for both static and dynamic loads in accordance with ETAG006.

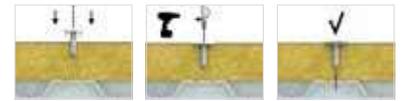
Applications

- Mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Concrete
- Concrete Slab
- Metal Sheet & Profiles
- Timber
- Plywood
- Chipboard



Rawlplug code	Plastic sleeve			Quantity		Barcode
	Diameter	Length	Plate diameter	Box	Outer	
	mm	mm	mm	pcs	pcs	
R-GOK75-015	15.5	15	75	1100	1100	
R-GOK75-035	15.5	35	75	600	600	
R-GOK75-065	15.5	65	75	400	400	
R-GOK75-075	15.5	75	75	300	300	
R-GOK75-085	15.5	85	75	300	300	
R-GOK75-095	15.5	95	75	250	250	
R-GOK75-105	15.5	105	75	250	250	
R-GOK75-125	15.5	125	75	200	200	
R-GOK75-135	15.5	135	75	200	200	
R-GOK75-165	15.5	165	75	150	150	
R-GOK75-185	15.5	185	75	100	100	
R-GOK75-225	15.5	225	75	100	100	

GOW Telescopic sleeve with oval plate

Telescopic sleeve for flat roof insulation fixings. The combination of the connector together with the corresponding screw allows application to all types of substrates.



Approvals and Reports

- ETA-09/0346



Features and benefits

- Impact-resistant material used ensures constant mechanical properties over the lifetime of a roof. Also, retains its properties over a wide temperature range.
- Internal sleeve design allows pre-assembly with any Rawlplug roofing screw, shortening installation.
- The lower part of the connector telescope has been designed in the shape of a cone with an optimum angle of inclination which significantly affects the speed of its installation.
- Guarantees the highest load capacity of the roof construction for both static and dynamic loads in accordance with ETAG006

Applications

- Mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Concrete
- Concrete Slab
- Metal Sheet & Profiles
- Timber
- Plywood
- Chipboard



Rawlplug code	Plastic sleeve			Quantity		Barcode
	Diameter	Length	Plate diameter	Box	Outer	
	mm	mm	mm	pcs	pcs	
R-GOW-015	15.5	15	80x40	1100	1100	
R-GOW-035	15.5	35	80x40	600	600	
R-GOW-065	15.5	65	80x40	350	350	
R-GOW-075	15.5	75	80x40	300	300	
R-GOW-085	15.5	85	80x40	300	300	
R-GOW-095	15.5	95	80x40	250	250	
R-GOW-105	15.5	105	80x40	250	250	
R-GOW-125	15.5	125	80x40	200	200	
R-GOW-135	15.5	135	80x40	150	150	
R-GOW-165	15.5	165	80x40	150	150	
R-GOW-185	15.5	185	80x40	100	100	
R-GOW-225	15.5	225	80x40	100	100	

WBT Screw for concrete

Screw for concrete substrates, TX25 head. Shape and type of the thread specially design to allow connecting to concrete and wood.



Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012
- AT-15-7476/2012 - ANNEX No 1



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to concrete and wood.
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Pre-assembly with other component is possible before installation

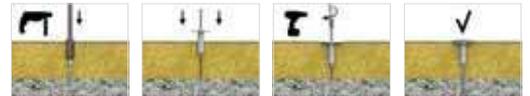
Applications

- Insulation materials in flat roof applications in conjunction with telescopic connector and steel washer

Base materials

Approved for use in:

- Concrete
- Concrete Slab
- Timber



Size	Rawlplug code	Screw	Quantity		Barcode
		Length	Box	Outer	
		mm	pcs	pcs	
Ø6.1	R-WBT-61075	75	100	1600	
	R-WBT-61090	90	100	1600	
	R-WBT-61100	100	100	1600	
	R-WBT-61120	120	100	1200	
	R-WBT-61140	140	100	1200	
	R-WBT-61160	160	100	1200	
	R-WBT-61180	180	100	100	
	R-WBT-61200	200	100	800	
	R-WBT-61220	220	100	100	
	R-WBT-61240	240	100	100	
	R-WBT-61260	260	100	800	
	R-WBT-61300	300	100	500	

WCS Screw for concrete

Screw for concrete substrates, HEX head. Specially designed thread for fastening to concrete.



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to concrete.
- Sharp point of the drill prevents movement of the surface of the fixture

Applications

- Speedy anchoring of different kind of material in concrete on roofs and facades

Base materials

Approved for use in:

- Concrete
- Concrete Slab



WCS Screw for concrete (cont.)

Size	Rawlplug code	Screw		Quantity		Barcode
		Length	Box	Outer		
		mm			pcs	
Ø6.1	R-WBT-61075	75	100	1600		
	R-WBT-61090	90	100	1600		
	R-WBT-61100	100	100	1600		
	R-WBT-61120	120	100	1200		
	R-WBT-61140	140	100	1200		
	R-WBT-61160	160	100	1200		
	R-WBT-61180	180	100	100		
	R-WBT-61200	200	100	800		
	R-WBT-61220	220	100	100		
	R-WBT-61240	240	100	100		
	R-WBT-61260	260	100	800		
R-WBT-61300	300	100	500			

WB Self-drilling screws for steel

Double-threaded screw for trapezoidal steel sheet – max thickness of 2 x 1.25mm



Approvals and Reports

- ETA-09/0346



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- The shape and type of thread is designed specifically for connecting to metal sheets
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Reduced drilling point ensures optimal tightness and correct hole diameter in thin metal sheets.
- Two types of threads: one designed for mounting into construction, second under head thread, prevents external panel dents and helps to seal the connection



Applications

- Installing insulation layers on flat roofs in conjunction with steel washer, which remains stable thanks to the double thread.

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Structural Steel



Rawlplug code	Screw			Quantity			Barcode
	Drive	Diameter	Length	Box	Outer	Pallet	
		mm	mm				
WB-48080	Hex 8mm	4.8	80	100	1200	28800	
WB-48100	Hex 8mm	4.8	100	100	1200	28800	
WB-48120	Hex 8mm	4.8	120	100	1200	28800	
WB-48140	Hex 8mm	4.8	140	100	1200	28800	
WB-48160	Hex 8mm	4.8	160	100	1200	28800	
WB-48170	Hex 8mm	4.8	170	100	1200	28800	
WB-48180	Hex 8mm	4.8	180	100	1200	28800	
WB-48200	Hex 8mm	4.8	200	100	1200	28800	
WB-48220	Hex 8mm	4.8	220	100	100	28800	
WB-48240	Hex 8mm	4.8	240	100	100	28800	

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WO-T Screws for steel

Screw for trapezoidal steel sheet substrate; max thickness of 0.9mm, TORX25 drive



Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012
- AT-15-7476/2012 - ANNEX No 1



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to metal sheets and wood
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Pre-assembly with other components is possible before installation

Applications

- Insulation layers on flat roofs together with an appropriate telescopic or steel washer

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Timber
- Chipboard
- Oriented Strand Board



Rawlplug code	Screw		Quantity		Barcode
	Diameter	Length	Box	Outer	
	mm	mm	pcs	pcs	
R-WO-48T060	4.8	60	250	4000	
R-WO-48T080	4.8	80	250	3000	
R-WO-48T100	4.8	100	200	2400	
R-WO-48T120	4.8	120	200	3200	
R-WO-48T140	4.8	140	200	2400	
R-WO-48T160	4.8	160	100	1200	
R-WO-48T180	4.8	180	100	100	
R-WO-48T200	4.8	200	100	100	
R-WO-48T240	4.8	240	100	500	
R-WO-48T300	4.8	300	100	500	

WX-T Self-drilling screws for steel

Screw for trapezoidal steel sheet – max thickness of 2 x 1.25mm, TORX25 drive



Approvals and Reports

- ETA-09/0346



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to metal sheets
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Reduced drilling point ensures optimal tightness and correct hole diameter in thin metal sheets.
- Pre-assembly with other components is possible before installation

Applications

- Insulation layers on flat roofs together with an appropriate telescopic or steel washer

Base materials

Approved for use in:

- Metal Sheet & Profiles



WX-T Self-drilling screws for steel (cont.)

Rawplug code	Screw		Quantity		Barcode
	Diameter	Length	Box	Outer	
	mm	mm	pcs	pcs	
R-WX-48T050	4.8	50	250	3000	
R-WX-48T060	4.8	60	250	3000	
R-WX-48T070	4.8	70	250	3000	
R-WX-48T080	4.8	80	250	3000	
R-WX-48T100	4.8	100	200	2400	
R-WX-48T120	4.8	120	200	2400	
R-WX-48T140	4.8	140	200	2400	
R-WX-48T160	4.8	160	100	1200	
R-WX-48T180	4.8	180	100	800	
R-WX-48T200	4.8	200	100	800	
R-WX-48T240	4.8	240	100	800	
R-WX-48T300	4.8	300	100	500	

WW-T Screws for timber

Shape and type of the thread specially designed for fixing to wood, TORX25 drive



Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012
- AT-15-7476/2012 - ANNEX No 1



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- The shape and type of screw's thread is designed specifically for connecting to wood.
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Pre-assembly with other components is possible before installation

Applications

- Insulation materials in flat roof applications in conjunction with telescopic connector and steel washer

Base materials

Approved for use in:

- Timber
- Plywood
- Chipboard
- Oriented Strand Board



Rawplug code	Screw		Quantity		Barcode
	Diameter	Length	Box	Outer	
	mm	mm	pcs	pcs	
R-WW-50T25	5.0	25	500	8000	
R-WW-50T35	5.0	35	500	8000	
R-WW-50T45	5.0	45	250	4000	
R-WW-50T55	5.0	55	200	3200	
R-WW-50T75	5.0	75	100	1600	
R-WW-50T90	5.0	90	100	1600	
R-WW-5T120	5.0	120	100	1600	

POK Steel washers

Steel washer with special form for roofing applications, for use with all types of roofing screws



POK-040



POK-041



POK-06

Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012
- AT-15-7476/2012 - ANNEX No 1



Features and benefits

- Aluzinc coating for corrosion resistance
- Formed profile for added stiffness
- Ideal for rigid insulation

Applications

- Mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Timber
- Chipboard
- Plywood
- Concrete
- Concrete Slab



Produkt Code TX25	Aluminum washer		Quantity			Barcode
	Hole diameter	Plate diameter	Box	Outer	Pallet	
	mm	mm	pcs	pcs	pcs	
R-POK-040-ALZN	2,5	40	1000	1000	54000	
R-POK-041-ALZN	7	40	1300	1300	18000	
R-POK-06	7	76	100	100	18000	

POW-05, POW-07 Oval steel washers

Steel pressure plates for fastening of single ply membrane systems



POW-05



POW-07

Approvals and Reports

- ETA-09/0346
- AT-15-7476/2012
- AT-15-7476/2012 - ANNEX No 1



Features and benefits

- Deep shape of the washer in connection with WB double-threaded screw is the solution for installation of roofing membrane system to steel sheet
- Oval washer made of aluminum and zinc sheet, which ensures a very high resistance against corrosion

Applications

- Systems of mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Timber
- Chipboard
- Plywood
- Oriented Strand Board
- Concrete
- Concrete Slab



Rawplug code TX25	Aluminum washer			Quantity			Barcode
	Hole diameter	Length	Width	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
R-POW-05-ALZN	5	82	40	100	100	16100	
R-POW-07-ALZN	7	82	40	100	100	36000	

PKW-07 Square Steel Washer 64mm

Steel washer with special form for roofing applications, for use with all types of roofing screws



Features and benefits

- Square washer made of aluminum and zinc sheet, which ensures a very high resistance against corrosion. Its sculpted shape allows for trouble-free installation using a dedicated rigid mounting screws for hard roof insulation.

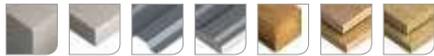
Applications

- Mechanically fastened flexible roof waterproofing membrane

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Timber
- Chipboard
- Plywood
- Concrete
- Concrete Slab



Rawlplug code	Aluminum washer			Quantity			Barcode
	Hole diameter	Length	Width	Box	Outer	Pallet	
	mm	mm	mm	pcs	pcs	pcs	
R-PKW-07	7	40	40	100	100	-	

RT-BIT-PH2 Phillips/RT-BIT-TORX25 T25 long screwdriver bits

Special long screwdriver bits designed for roof fixings applications



RT-BIT-PH2 Phillips



RT-BIT-TORX25 T25

Features and benefits

- Hard wearing for longer life, special steel S2
- Head tip subjected to additional heat treatment, increasing hardness to 63 HRC
- Precision milled head tip allows for precise fitting into the screw socket
- Anticorrosion coating with a satin finish enhances resistance to rust

Applications

- Installations of flat roof fixings

Rawlplug code	Size	Length	Quantity	Box weight	Outer weight	Barcode
		[mm]	[pcs]	kg	kg	
RT-BIT-PH2 Phillips						
RT-BIT-PH2/100	PH2	100	1	0.20	2.40	
RT-BIT-PH2/150	PH2	150	1	0.20	2.40	
RT-BIT-PH2/200	PH2	200	1	2.40	48.00	
RT-BIT-PH2/250	PH2	250	1	2.40	48.00	
RT-BIT-PH2/350	PH2	350	1	0.20	2.40	
RT-BIT-PH2/450	PH2	450	1	0.20	2.40	

RT-BIT-PH2 Phillips/RT-BIT-TORX25 T25 long screwdriver bits

Rawlplug code	Size	Length	Quantity	Box weight	Outer weight	Barcode
		[mm]	[pcs]	kg	kg	
RT-BIT-TORX25 T25						
RT-BIT-TORX25/100	T25	100	1	2.40	96.00	
RT-BIT-TORX25/150	T25	150	1	2.40	48.00	
RT-BIT-TORX25/200	T25	200	1	2.40	48.00	
RT-BIT-TORX25/250	T25	250	1	0.20	2.40	
RT-BIT-TORX25/350	T25	350	1	2.40	2.40	
RT-BIT-TORX25/450	T25	450	1	0.20	2.40	

RT-ADAP Expanders SDS plus Roof System

Special SDS plus adapters for tapered Roof System drill bits



Features and benefits

- The high rigidity of the drill adapter system enables accurate and axial drilling through a thick insulation layer
- Possibility of making small diameter holes by piercing through a thick insulation layer
- The kit includes a wedge to easily pull out the drill bit from the adapter holder

Applications

- Drilling holes through insulation for facade and roofing mounting
- Suitable for operation with SDS plus hammer drill

Rawlplug code	Length	Quantity	Box weight	Outer weight	Barcode
	[mm]	[pcs]	kg	kg	
RT-ADAP-500	500	1	0.42	0.42	
RT-ADAP-800	800	1	0.62	6.20	
RT-ADAP-1000	1000	1	0.98	9.80	

RT-TD Drill bits Roof System

Special tapered drill bits for flat roof fixings



Features and benefits

- Centring point for quick commencement of drilling without the drill slipping
- 160° angle tip allows for quick drilling in concrete
- Very deep seating of carbide plate significantly improves connection with the drill core, which affects quality
- Aggressive grooves allow fast extraction of material and increase the drilling speed
- The conical connection between drill and an SDS plus adapter allows the transfer of 100% of impact

Applications

- Drilling holes through insulation for facade and roofing mounting
- Suitable for operation with the RoofSystem adapter



Rawlplug code	Drill diameter	Length	Working length	Quantity	Box weight	Outer weight	Barcode
	[mm]	[mm]	[mm]	[pcs]	kg	kg	
RT-TD-50-110	5	110	50	1	0.04	0.04	
RT-TD-50-160	5	160	100	1	0.05	0.05	

ADAPTER-MAG For steel washers

Adapter for fixing steel washers type: POK-040/POK-041



Features and benefits

- Special design of the tip assembly guaranteeing quick and firm installation of steel washers in substrates

Applications

- Specialized bits dedicated for fixing insulation layers to flat roofs

Base materials

Approved for use in:

- Concrete
- Metal Sheet & Profiles
- Wood

Rawplug code	Length	Quantity	Box weight	Outer weight	Barcode
	[mm]	[pcs]	kg	kg	
ADAPTER-MAG-55	550	1	0.05	0.05	

ROOFIX Design Software

At RAWLPLUG we have used our extensive knowledge and experience to develop a powerful calculation tool for the convenience of our clients. Our „ROOFIX“ design software allows the user to quickly and easily determine the type of fixings and the minimum quantity required for their roofing insulation application.

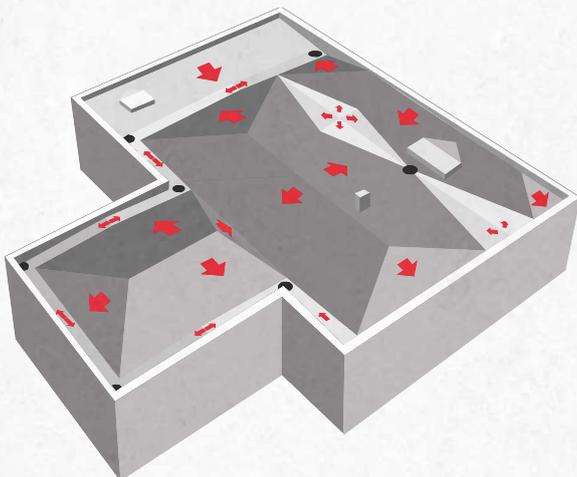
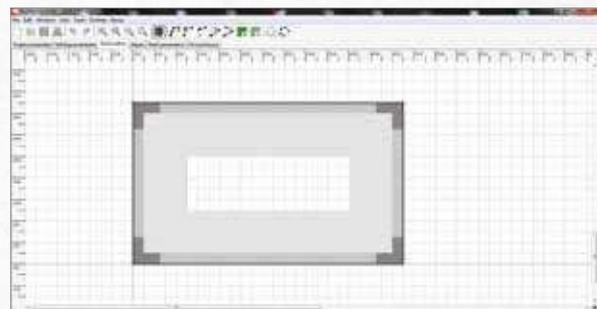
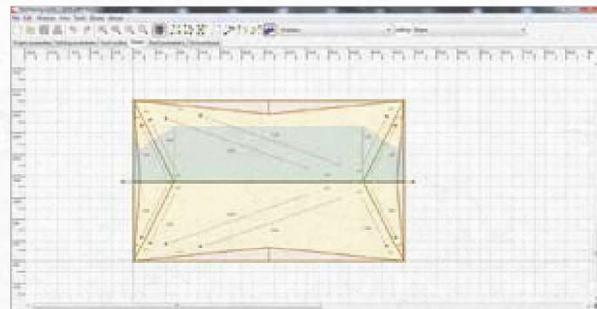
The programme is able to factor in many key parameters of the structure:

- Dimensions of the roof
- The base material
- The dimensions of the roofing system (e.g. insulating layers)

As well as geographical factors such as:

- Location
- Altitude
- Localised wind speeds

The following page gives a preview of the software and its intuitive user interface. If you would like to utilise this powerful tool on your project, contact us and our technical team will be happy to help.



Fixing selection according to insulation thickness

[mm]	STEEL		CONCRETE		TIMBER/WOOD
	Index	Index	Index	Index	Index
60	R-GOK-035+R-WX-48T060	R-GOK-035+R-WO-48T060	R-GOK-035+R-WBT-61075	R-GOK-035+R-WO-48080+R-K08L40	R-GOK-035+R-WW-5075
80	R-GOK-065+R-WX-48T050	R-GOK-065+R-WO-48T060	R-GOK-035+R-WBT-61090	R-GOK-065+R-WO-48080+R-K08L40	R-GOK-065+R-WW-5055
100	R-GOK-085+R-WX-48T050	R-GOK-085+R-WO-48T060	R-GOK-075+R-WBT-61075	R-GOK-085+R-WO-48080+R-K08L40	R-GOK-085+R-WW-5055
120	R-GOK-105+R-WX-48T050	R-GOK-105+R-WO-48T060	R-GOK-095+R-WBT-61075	R-GOK-105+R-WO-48080+R-K08L40	R-GOK-105+R-WW-5055
140	R-GOK-125+R-WX-48T050	R-GOK-125+R-WO-48T060	R-GOK-105+R-WBT-61090	R-GOK-125+R-WO-48080+R-K08L40	R-GOK-125+R-WW-5055
160	R-GOK-135+R-WX-48T060	R-GOK-135+R-WO-48T060	R-GOK-135+R-WBT-61075	R-GOK-135+R-WO-48080+R-K08L40	R-GOK-135+R-WW-5075
180	R-GOK-165+R-WX-48T050	R-GOK-165+R-WO-48T060	R-GOK-135+R-WBT-61090	R-GOK-165+R-WO-48080+R-K08L40	R-GOK-165+R-WW-5055
200	R-GOK-185+R-WX-48T050	R-GOK-185+R-WO-48T060	R-GOK-165+R-WBT-61090	R-GOK-185+R-WO-48080+R-K08L40	R-GOK-185+R-WW-5055
220	R-GOK-185+R-WX-48T070	R-GOK-185+R-WO-48T080	R-GOK-185+R-WBT-61090	R-GOK-185+R-WO-48100+R-K08L40	R-GOK-185+R-WW-5075
240	R-GOK-225+R-WX-48T050	R-GOK-225+R-WO-48T060	R-GOK-035+R-WBT-61075	R-GOK-225+R-WO-48080+R-K08L40	R-GOK-225+R-WW-5055
260	R-GOK-225+R-WX-48T070	R-GOK-225+R-WO-48T080	R-GOK-225+R-WBT-61090	R-GOK-225+R-WO-48100+R-K08L40	R-GOK-225+R-WW-5075
280	R-GOK-255+R-WX-48T060	R-GOK-255+R-WO-48T060	R-GOK-255+R-WBT-61075	R-GOK-255+R-WO-48080+R-K08L40	R-GOK-255+R-WW-5075
300	R-GOK-285+R-WX-48T050	R-GOK-285+R-WO-48T060	R-GOK-255+R-WBT-61090	R-GOK-285+R-WO-48080+R-K08L40	R-GOK-285+R-WW-5055
320	R-GOK-285+R-WX-48T070	R-GOK-285+R-WO-48T080	R-GOK-285+R-WBT-61090	R-GOK-285+R-WO-48100+R-K08L40	R-GOK-285+R-WW-5075
340	R-GOK-325+R-WX-48T050	R-GOK-325+R-WO-48T060	R-GOK-285+R-WBT-61100	R-GOK-325+R-WO-48080+R-K08L40	R-GOK-325+R-WW-5055
360	R-GOK-325+R-WX-48T060	R-GOK-325+R-WO-48T080	R-GOK-325+R-WBT-61090	R-GOK-325+R-WO-48100+R-K08L40	R-GOK-325+R-WW-5075
380	R-GOK-325+R-WX-48T100	R-GOK-325+R-WO-48T100	R-GOK-325+R-WBT-61090	R-GOK-325+R-WO-48120+R-K08L40	R-GOK-325+R-WW-5055
400	R-GOK-385+R-WX-48T050	R-GOK-385+R-WO-48T060	R-GOK-385+R-WBT-61075	R-GOK-385+R-WO-48080+R-K08L40	R-GOK-385+R-WW-5055
420	R-GOK-385+R-WX-48T070	R-GOK-385+R-WO-48T080	R-GOK-385+R-WBT-61090	R-GOK-385+R-WO-48100+R-K08L40	R-GOK-385+R-WW-5055
440	R-GOK-425+R-WX-48T050	R-GOK-425+R-WO-48T060	R-GOK-385+R-WBT-61100	R-GOK-425+R-WO-48080+R-K08L40	R-GOK-425+R-WW-5055
460	R-GOK-425+R-WX-48T070	R-GOK-425+R-WO-48T080	R-GOK-425+R-WBT-61090	R-GOK-425+R-WO-48100+R-K08L40	R-GOK-425+R-WW-5075
480	R-GOK-425+R-WX-48T100	R-GOK-425+R-WO-48T100	R-GOK-425+R-WBT-61100	R-GOK-425+R-WO-48120+R-K08L40	R-GOK-425+R-WW-5090
500	R-GOK-425+R-WX-48T120	R-GOK-425+R-WO-48T120	R-GOK-425+R-WBT-61120	R-GOK-425+R-WO-48140+R-K08L40	R-GOK-425+R-WW-5120
520	R-GOK-425+R-WX-48T140	R-GOK-425+R-WO-48T140	R-GOK-425+R-WBT-61140	R-GOK-425+R-WO-48160+R-K08L40	R-GOK-425+R-WO-48140
540	R-GOK-525+R-WX-48T050	R-GOK-525+R-WO-48T060	R-GOK-525+R-WBT-61075	R-GOK-525+R-WO-48080+R-K08L40	R-GOK-525+R-WW-5055
560	R-GOK-525+R-WX-48T070	R-GOK-525+R-WO-48T080	R-GOK-525+R-WBT-61090	R-GOK-525+R-WO-48100+R-K08L40	R-GOK-525+R-WW-5075
580	R-GOK-525+R-WX-48T100	R-GOK-525+R-WO-48T100	R-GOK-525+R-WBT-61100	R-GOK-525+R-WO-48120+R-K08L40	R-GOK-525+R-WW-5090
600	R-GOK-525+R-WX-48T120	R-GOK-525+R-WO-48T120	R-GOK-525+R-WBT-61120	R-GOK-525+R-WO-48140+R-K08L40	R-GOK-525+R-WW-5120
620	R-GOK-525+R-WX-48T140	R-GOK-525+R-WO-48T140	R-GOK-525+R-WBT-61140	R-GOK-525+R-WO-48160+R-K08L40	R-GOK-525+R-WO-48140
640	R-GOK-625+R-WX-48T050	R-GOK-625+R-WO-48T060	R-GOK-625+R-WBT-61075	R-GOK-625+R-WO-48080+R-K08L40	R-GOK-625+R-WW-5055
660	R-GOK-625+R-WX-48T070	R-GOK-625+R-WO-48T080	R-GOK-625+R-WBT-61090	R-GOK-625+R-WO-48100+R-K08L40	R-GOK-625+R-WW-5075
680	R-GOK-625+R-WX-48T100	R-GOK-625+R-WO-48T100	R-GOK-625+R-WBT-61100	R-GOK-625+R-WO-48120+R-K08L40	R-GOK-625+R-WW-5090
700	R-GOK-625+R-WX-48T120	R-GOK-625+R-WO-48T120	R-GOK-625+R-WBT-61120	R-GOK-625+R-WO-48140+R-K08L40	R-GOK-625+R-WW-5120
720	R-GOK-625+R-WX-48T140	R-GOK-625+R-WO-48T140	R-GOK-625+R-WBT-61140	R-GOK-625+R-WO-48160+R-K08L40	R-GOK-625+R-WO-48140
740	R-GOK-725+R-WX-48T050	R-GOK-755+R-WO-48T060	R-GOK-725+R-WBT-61075	R-GOK-725+R-WO-48080+R-K08L40	R-GOK-725+R-WW-5055
760	R-GOK-725+R-WX-48T070	R-GOK-725+R-WO-48T080	R-GOK-725+R-WBT-61090	R-GOK-725+R-WO-48100+R-K08L40	R-GOK-725+R-WW-5075
780	R-GOK-725+R-WX-48T100	R-GOK-725+R-WO-48T100	R-GOK-725+R-WBT-61100	R-GOK-725+R-WO-48120+R-K08L40	R-GOK-725+R-WW-5090
800	R-GOK-725+R-WX-48T120	R-GOK-725+R-WO-48T120	R-GOK-725+R-WBT-61120	R-GOK-725+R-WO-48140+R-K08L40	R-GOK-725+R-WW-5120
820	R-GOK-725+R-WX-48T140	R-GOK-725+R-WO-48T140	R-GOK-725+R-WBT-61140	R-GOK-725+R-WO-48160+R-K08L40	R-GOK-725+R-WO-48140
840	R-GOK-725+R-WX-48T160	R-GOK-725+R-WO-48T160	R-GOK-725+R-WBT-61160	R-GOK-725+R-WO-48180+R-K08L40	R-GOK-725+R-WO-48160
860	R-GOK-725+R-WX-48T180	R-GOK-725+R-WO-48T180	R-GOK-725+R-WBT-61180	R-GOK-725+R-WO-48200+R-K08L40	R-GOK-725+R-WO-48180
880	R-GOK-725+R-WX-48T200	R-GOK-725+R-WO-48T200	R-GOK-725+R-WBT-61200	R-GOK-725+R-WO-48240+R-K08L40	R-GOK-725+R-WO-48200
900	R-GOK-725+R-WX-48T240	R-GOK-725+R-WO-48T240	R-GOK-725+R-WBT-61240	R-GOK-725+R-WO-48240+R-K08L40	R-GOK-725+R-WO-48240
920	R-GOK-725+R-WX-48T240	R-GOK-725+R-WO-48T240	R-GOK-725+R-WBT-61240	R-GOK-725+R-WO-48300+R-K08L40	R-GOK-725+R-WO-48240
940	R-GOK-725+R-WX-48T240	R-GOK-725+R-WO-48T240	R-GOK-725+R-WBT-61300	R-GOK-725+R-WO-48300+R-K08L40	R-GOK-725+R-WO-48300
960	R-GOK-725+R-WX-48T300	R-GOK-725+R-WO-48T300	R-GOK-725+R-WBT-61300	R-GOK-725+R-WO-48300+R-K08L40	R-GOK-725+R-WO-48300
980	R-GOK-725+R-WX-48T300	R-GOK-725+R-WO-48T300	R-GOK-725+R-WBT-61300	-	R-GOK-725+R-WO-48300
990	R-GOK-725+R-WX-48T300	R-GOK-725+R-WO-48T300	-	-	R-GOK-725+R-WO-48300



Foams

Overview of our range

									
PRODUCT TYPE		R-RPS	R-RPS-PVC	R-RPP-45	R-RPP-65	R-RPP-PVC	R-RPP-FIX	R-RPP-B1	R-RPP MORTAR
PRODUCT		HAND HELD EXPANDING UNIVERSAL	HAND HELD EXPANDING LOW EXPANSION	GUN FOAM UNIVERSAL	GUN FOAM SUPER EFFICIENT	GUN FOAM LOW EXPANSION	ADHESIVE FOR POLYSTYRENE STYROFIX	GUN FOAM FIRE RESISTANT	POLYURETHANE MORTAR GUN VERSION
	Installation & sealing of windows & doors	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-				
	Installation and sealing of sills and thresholds	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-				
	Insulation of roofs and flat roofs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-				
	Filling gaps and cavities in most building materials	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-				
	Sealing around garage doors & shutters	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-				
	Filling around pipework and ducting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-				
	Thermal insulation and soundproofing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-				
	Bonding of insulation for facades and foundations	-	-	-	-	-	<input checked="" type="checkbox"/>	-	-
	To meet fire regulations class B1 according to DIN 4102	-	-	-	-	-	-	<input checked="" type="checkbox"/>	-
	Bricklaying load-bearing & partition walls	-	-	-	-	-	-	-	<input checked="" type="checkbox"/>

APPLICATIONS

RPS B3 Hand Held Expanding Foam

Self-expanding, single component polyurethane foam adhering to all common building materials



Features and benefits

- High thermal and acoustic insulation
- Internal and external use
- Fast curing, workable in 40 minutes
- Excellent adhesion to most construction materials
- High yield - up to 45 litres from 750ml can
- Low temperature version "W" works at -15°C
- Resistant to mould and fungi
- Also available in convenient 500ml cans

Applications

- Ideal for filling, sealing & sound proofing
- Thermal insulation in roof cavities
- Gap filling around plumbing & heating pipework
- Filling any awkward gap or cavity
- Installation of doors & windows

Approvals and Reports

- AT-15-9800/2016



Base materials

- Chipboard
- Concrete
- Concrete Slab
- Cracked Concrete
- High-Density Natural Stone
- Hollow Brick
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick
- Hollow-core Slab



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPS	12	12	672	
RPS-W	12	12	672	
RPS-500	12	12	672	
RPS-500-W	12	12	672	

RPS-PVC B3 Hand Held Foam - Low Expansion

Low expansion formula single component polyurethane foam with controlled expansion rate.



Features and benefits

- Low expansion forces will not distort frames or profiles
- The low expansion rate means that the yield is given out in more linear metres than a standard PU foam, so the best solution for narrow joints around windows and doors.
- Excellent thermal and acoustic insulation properties
- Rapid curing, workable in 40 minutes
- Excellent adhesion to most construction materials
- High yield - up to 45 litres from 750ml can
- Low temperature version „W“ works at -10°C
- Resistant to mould and fungi

Applications

- Particularly suitable for installation of UPVC frames and PVC elements
- Ideal for mounting sealing and soundproofing
- Installation of doors and windows
- Sealing window sills
- Filling around plumbing & heating pipework
- Filling any awkward gap or cavity

Approvals and Reports

- AT-15-9800/2016



Base materials

- Chipboard
- Concrete
- Concrete Slab
- Cracked Concrete
- High-Density Natural Stone
- Hollow Brick
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick
- Hollow-core Slab



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPS-PVC	12	12	672	
RPS-PVC-W	12	12	672	

RPP-45 B3 GUN PU Foam

Self-expanding, single component polyurethane foam adhering to all common building materials



Features and benefits

- High thermal and acoustic insulation
- Internal and external use
- Fast curing, workable in 40 minutes
- Excellent adhesion to most construction materials
- High yield - up to 45 litres from 750ml can
- Low temperature version "W" works at -10°C
- Resistant to mould and fungi

Applications

- Ideal for mounting, sealing & sound proofing
- Installation of doors & windows
- Thermal insulation in roof cavities
- Gap filling around plumbing & heating pipework
- Filling any awkward gap or cavity

Base materials

- Plastic
- Aerated Concrete Block
- Concrete, Concrete Slab
- High-Density Natural Stone
- Hollow Brick
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick
- Hollow-core Slab
- Chipboard



Approvals and Reports

- AT-15-9800/2016



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPP-45	12	12	672	
RPP-45-W	12	12	672	

RPP-65 B3 Super Efficient GUN PU Foam

High Yield Gun PU foam for use in all building materials.



Features and benefits

- High yield – up to 65 litres from one can
- Much lower cost per 1 litre of cured foam
- Fast curing, workable in 40 minutes
- Ideal solution for installation of multiple windows
- Excellent adhesion to most construction materials
- Winter version works in winter conditions as low as -10°C
- No need for frequent change of cans, thus saving time

Applications

- Ideal for mounting, sealing and soundproofing
- Installation of a large number of doors and windows
- Thermal insulation in roof cavities
- Gap filling around plumbing and heating pipework
- Filling any awkward gap or cavity

Base materials

- Plastic
- Aerated Concrete Block
- Concrete, Concrete Slab
- High-Density Natural Stone
- Hollow Brick
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick
- Hollow-core Slab
- Chipboard



Approvals and Reports

- AT-15-9800/2016



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPP-65	12	12	672	
RPP-65-W	12	12	672	

All products listed in this publication are branded and distributed with RAWLPLUG® or RAWL® trademarks.

RPP-PVC B3 Low Expansion Gun PU Foam

Low expansion formula, single component polyurethane foam with controlled expansion rate



Features and benefits

- Low-pressure formula eliminates risk of deformation frames or profiles and ensures proper gaps filling
- Excellent thermal and acoustic insulation properties
- Good adhesion to most construction materials
- Winter version works in winter conditions (at -10°C)
- Fast curing, workable in 40 minutes
- Internal and external use

Applications

- Ideal for mounting, sealing & sound proofing
- Installation of a large amount doors & windows
- Thermal insulation in roof cavities
- Gap filling around plumbing & heating pipework
- Filling any awkward gap or cavity

Approvals and Reports

- AT-15-9800/2016



Base materials

- Plastic
- Aerated Concrete Block
- Concrete, Concrete Slab
- High-Density Natural Stone
- Hollow Brick
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick
- Hollow-core Slab
- Chipboard



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPP-PVC	12	12	672	
RPP-PVC-W	12	12	672	

B1 Fire Resistant Gun PU Foam

Fire Resistant Gun PU foam with EI 120 classification



Features and benefits

- Fire resistance up to 120 min (EI 120)
- Efficient seal against smoke and gas
- Self-extinguishing
- Excellent thermal and acoustical insulation properties
- Fast curing, workable in 40 minutes
- Can be painted or plastered when cured
- Excellent adhesion to most construction materials
- Foam colour: Pink

Base materials

- Aerated Concrete Block
- Concrete, Concrete Slab
- High-Density Natural Stone
- Hollow Brick
- Hollow Lightweight Concrete Block
- Hollow Sand-lime Brick
- Hollow-core Slab

Applications

- Fire retardant installation of window - and doorframes
- Fire- and smoke retardant sealing of connections between partition walls, ceilings and floors
- Filling of cavities
- All applications where fire retardant characteristics are required such as:
 - sealing of all openings in roof constructions
 - sealing of cable- and pipe penetrations
 - creation of a sound-proof screen
 - bonding of insulation materials
 - application of sound-deadening layers
 - improving thermal insulation in cold store area's



Rawplug code	Colour	Quantity [pcs]			Barcode
		Box	Outer	Pallet	
RPP-B1	Pink	12	12	672	

New Polyurethane Mortar



Easy application



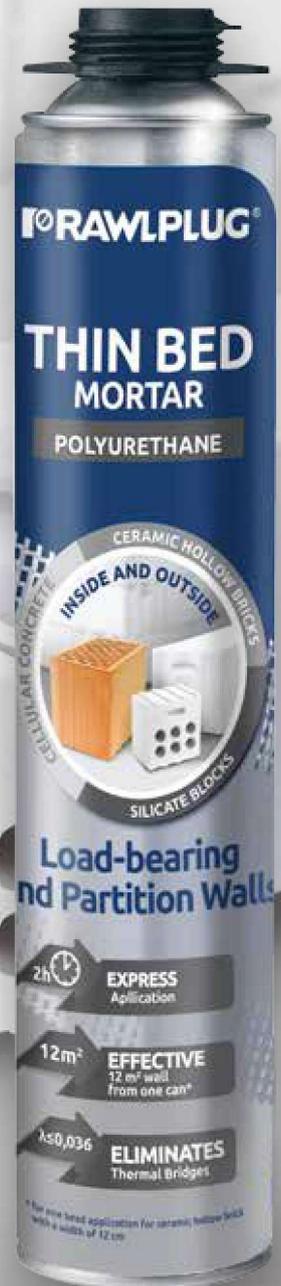
Extends building season



Saves your time & money



Modern



Parameter		Value	Methods
Application temperature	[°C]	5÷30	
Can temperature	[°C]	5÷30 (optimum 20)	
Adhesive coverage	[m ²]	max. 12	
Colour	-	light grey	
Skin formation time	[min]	5÷12 20°C,	RH 50%
Open time	[min]	3÷10 20°C	RH 50%
Complete hardening time	[h]	24	
Water absorption after 24h	[%]	0,3	PN-EN 1609:1999
Thermal resistance (upon hardening)	[°C]	-50÷90	
Thermal conductivity	[W/mK]	≤0,036	
Dimensional stability - length	[%]	±2	
Dimensional stability - width	[%]	±2	
Dimensional stability - thickness	[%]	±4	
Preparations solubility	-	Acetone, before hardening	Cleaner RPC-0500
Density	[kg/m ³]	19÷23	
Volume	[ml]	750	
Tensile strength	[kPa]	200÷300	silicate brick
Tensile strength	[kPa]	100÷200	ceramic hollow block
Tensile strength	[kPa]	200÷400	aerated concrete block

RPP-FIX B3 Styrofix

PU adhesive for bonding polystyrene and other insulation materials and decorative substrates



Features and benefits

- One can replaces 25 kg of mortar for ETICS applications - saves time and reduces the insulation weight made compared with traditional methods
- One can is enough to cover 8-12 m² of insulated Surface - highly efficient
- Excellent adhesion to common building substrates and insulating materials
- Works at low temperatures (-5 °C) – longer working season
- High initial force & excellent insulation - does not create thermal or acoustic bridges

Applications

- Bonding insulation boards on facades and foundations
- Suitable for ETICS* systems with mechanical fixings
- Bonding and insulating of wall panels, roofing sheets & tiles
- Sealing gaps between foamed polystyrene
- Sealing cracks in walls
- Filling & sealing expansion joints in thermal insulation
- Can stick to plasterboard

Base materials

- Brick walls
- Hollow blocks
- Concrete
- Acrylic and mineral plasters
- Wood and Metal
- Foamed polystyrene
- PCV and rigid PUR foams and other insulation materials

Approvals and Reports

- AT-15-8153/2012



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPP-FIX	12	12	672	

RPP-MORTAR B3

PU mortar for thin joints designed for internal and external walls of cellular concrete in dimensional class TLMB, hollow ceramic blocks and silicate blocks



NEW!



Features and benefits

- One can replaces 25 kg of mortar for ETICS applications - saves time and reduces the insulation weight made compared with traditional methods
- One can is enough to cover 8-12 m² of insulated surface - highly efficient
- Excellent adhesion to common building substrates and insulating materials
- Works at low temperatures (-5°C) – longer working season
- High initial force & excellent insulation - does not create thermal or acoustic bridges

Base materials

Suitable for bricklaying to use with:

- Aerated concrete
- Silicate blocks
- Hollow ceramic

Also excellent adhesion to the typical construction materials, like:

- Cellular concrete blocks
- Ceramic bricks
- Hollow blocks
- Concrete

Applications

- Raising walls with thin joints, made of high-accuracy materials (Flatness/height deviation not larger than 3 mm per running meter)
- Dedicated both for load-bearing walls and partition walls
- For internal and external applications
- Approved for aerated concrete, silicate blocks, hollow ceramic
- Suitable also for other the typical construction materials

- Acrylic and mineral plasters
- Wood
- Metal
- Foamed polystyrene



Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPP-MORTAR	12	12	672	

R-RPC-0500 Agent for removing uncured polyurethane foams

High power cleaner for removing uncured polyurethane foams or adhesives and cleaning equipment



Features and benefits

- Dissolves uncured polyurethane completely
- Perfectly degrease work surfaces (steel, glass, wood) before application of polyurethane or silicone
- Safe for the surface of PVC and most plastics

Applications

- Cleaning of the gun after use with PU Expanding Foam
- Cleaning of the valves of the PU aerosol gun
- Removal of uncured foam

Rawplug code	Color	Volume [ml]	Quantity [pcs]			Barcode
			Box	Outer	Pallet	
R-RPC-0500	transparent	500	12	12	672	

RPP-GUN-NC Professional gun for expanding foams

Professional grade metal polyurethane applicator gun for use with gun foams



Features and benefits

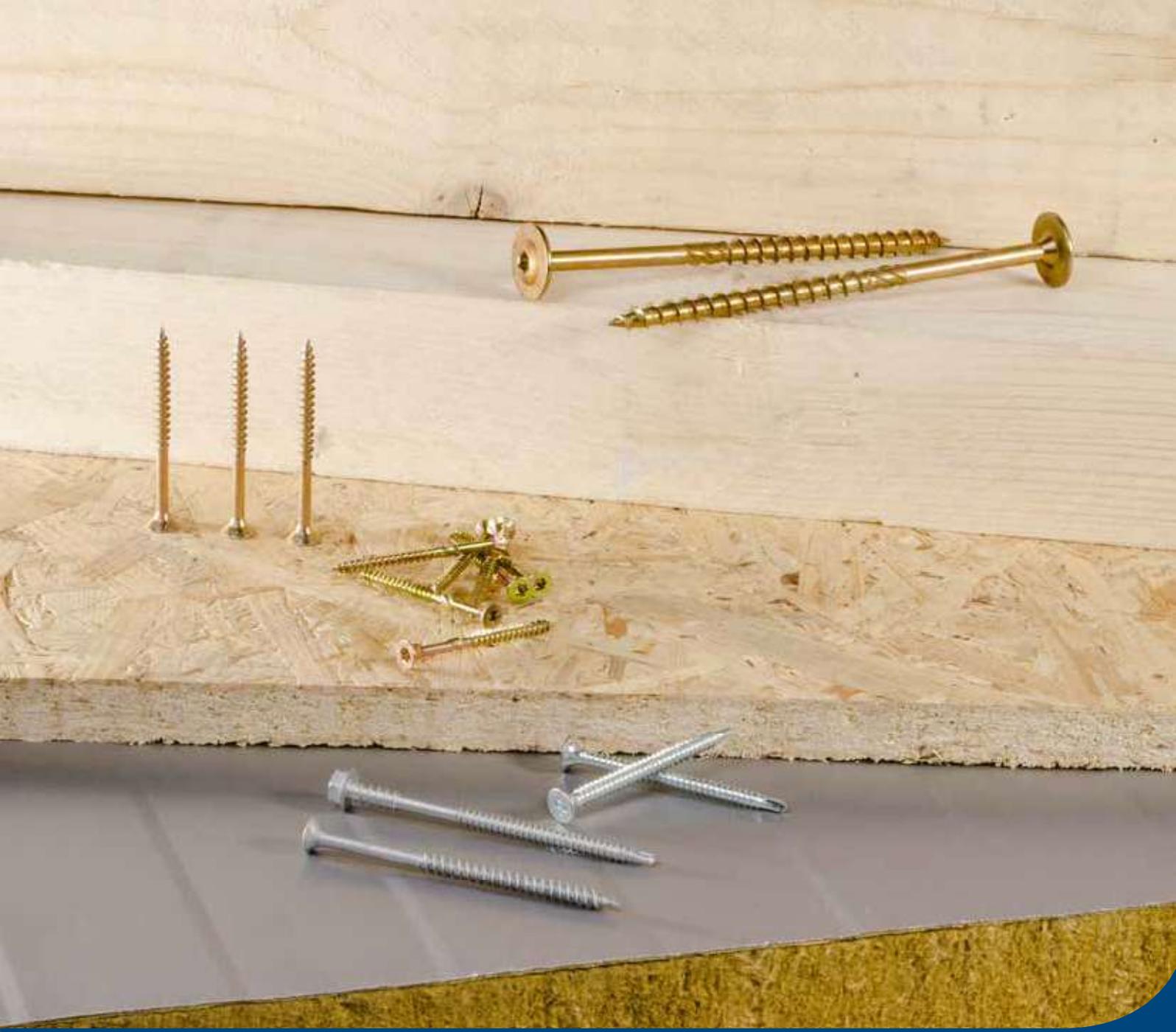
- Solid construction
- Easy application
- Simple maintenance
- Adjusting the flow out of the foam
- Durability

Applications

- For the application of PU foams and cleaners

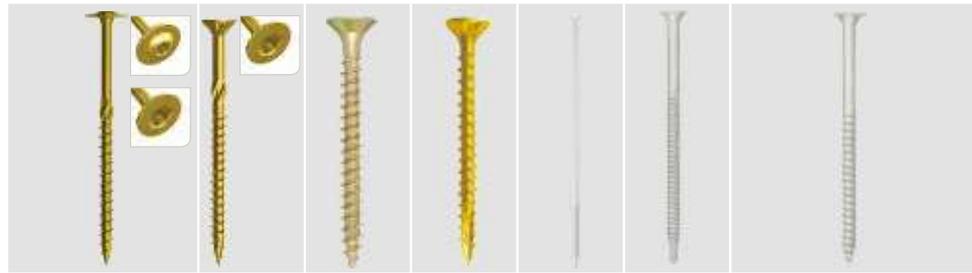
Rawplug code	Quantity [pcs]			Barcode
	Box	Outer	Pallet	
RPP-GUN-NC	1	-	-	





Screws

Overview of our range



SCREWS		R-CS	R-TS	R-UC	R-QCP	WB	WX	WO		
HEAD	COUNTERSUNK, PZ DRIVE		-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-		
	COUNTERSUNK, PH2 DRIVE		-	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	COUNTERSUNK, TX DRIVE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-		
	WASHER HEAD, TX DRIVE		<input checked="" type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>	-		
	HEX DRIVE		-	-	-	-	<input checked="" type="checkbox"/>	-		
TECH. DATA	LENGTH [mm]	80-400	16-200	16 - 200	16 - 150	100 - 220	50 - 300	60 - 300		
	DIAMETER [mm]	8.0	3,0/3,5 4,0/5,0/6,0	3,0/3,5 4,0/5,0/6,0	3,0/3,5 4,0/5,0/6,0	4.8	4.8	4.8		
SUBSTRATES	TIMBER		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	
	CHIPBOARD		-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	
	PLYWOOD		-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	
	EXOTIC WOOD		-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	
	LAMINATE		-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	
	PVC		-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	
	METAL		-	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
APPROVALS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	CE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
MECHANICAL PROPERTIES		TIMBER C24 $f_{ax,k}$ [N/mm ²]			TIMBER C24 [kN]		STEEL 0,75mm [kN]		TIMBER C24 [kN]	
	Characteristic perpendicular pull-out resistance	Ø 3,0	-	17	1,68	-	-	-	-	
		Ø 3,5	-	21,21	1,56	-	-	-	-	
		Ø 4,0	-	19,56	2,66	-	-	-	-	
		Ø 4,8	-	-	2,54	-	0,96	1,01	0,93	
		Ø 5,0	-	17,85	3,65	-	-	-	-	
		Ø 6,0	-	26,18	-	-	-	-	-	
		Ø 8,0	17,01	-	-	-	-	-	-	
	Characteristic parallel pull-out resistance	Ø 3,0	-	9,48	-	-	-	-	-	
		Ø 3,5	-	11,49	-	-	-	-	-	
		Ø 4,0	-	9,97	-	-	-	-	-	
		Ø 5,0	-	9,9	-	-	-	-	-	
		Ø 6,0	-	14,92	-	-	-	-	-	
		Ø 8,0	10,05	-	-	-	-	-	-	
			TIMBER C24 $R_{tor,k}$ [Nmm]							
	Characteristic screw-in resistance	Ø 3,0	-	0,37	-	-	-	-	-	
		Ø 3,5	-	0,58	-	-	-	-	-	
		Ø 4,0	-	1,24	-	-	-	-	-	
		Ø 5,0	-	3,46	-	-	-	-	-	
		Ø 6,0	-	1,62	-	-	-	-	-	
Ø 8,0		6,5	-	-	-	-	-	-		

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R-CS Timber screws

High reliability hardened screws for timber constructions

NEW PRODUCT!



Approvals and Reports

- PN-EN 14592 + A1:2012



Installation guide movie



Features and benefits

- Easy to screw-in
- Partially threaded for increased clamping strength
- Cutting notches and wax coating for reduced friction
- Crack avoidance
- Power and battery saving application

Applications

- Fastening timber and wood construction elements
- Rafter fastening to the purlins
- Fastening chipboards to wooden elements
- General wood joints
- Pergolas, bowers, sheds

Base materials

Approved for use in:

- Wood
- Timber



Rawplug code	Screw			Quantity			Barcode
	Drive	Length	Diameter	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
R-CS-80080-WH	T40	80	8.0	50	600	14400	
R-CS-80100-WH	T40	100	8.0	50	600	14400	
R-CS-80120-WH	T40	120	8.0	50	600	14400	
R-CS-80140-WH	T40	140	8.0	50	600	14400	
R-CS-80160-WH	T40	160	8.0	50	600	14400	
R-CS-80180-WH	T40	180	8.0	50	400	9600	
R-CS-80200-WH	T40	200	8.0	50	400	9600	
R-CS-80220-WH	T40	220	8.0	50	400	9600	
R-CS-80240-WH	T40	240	8.0	50	400	9600	
R-CS-80260-WH	T40	260	8.0	50	400	9600	
R-CS-80280-WH	T40	280	8.0	50	50	6400	
R-CS-80300-WH	T40	300	8.0	50	50	6400	
R-CS-80320-WH	T40	320	8.0	50	50	6400	
R-CS-80340-WH	T40	340	8.0	25	25	3200	
R-CS-80360-WH	T40	360	8.0	25	25	3200	
R-CS-80380-WH	T40	380	8.0	25	25	4550	
R-CS-80400-WH	T40	400	8.0	25	25	4550	

HARDENED SCREWS

for wood constructions and fastening of wooden elements

The partial thread on the shaft of the screw allows multiple elements to be clamped together securely without separation

No pre-drilling required

Special milling cutter to reduce the required screw-in torque

Production of hardened carbon steel with electroplated zinc layer guarantees

Drilling point to the very top of the screw for fast start

Washer head effects on high pull-through resistance

Waxed surface for lower screw-in torque

TX drive for secure transmission of screw-in torque and no pop-out of the bit

R-TS Chipboard screws

Hardened screws for new generation wood composites and timber

NEW PRODUCT!



Approvals and Reports

- PN-EN 14592 + A1:2012



Installation guide movie



Features and benefits

- Easy to screw-in
- Underhead cutting ribs for easy countersinking and a precise flush finish
- Partially threaded for increased clamping strength
- Cutting notches and wax coating for reduced friction
- Crack avoidance

Applications

- Chipboards
- Laminated wood and exotic wood construction
- Plywood
- Anchoring of wood connection elements
- Wooden fences
- Wooden elements

Base materials

Approved for use in:

- Chipboard
- Wood
- Exotic Wood
- Timber
- Plywood



Rawlplug code	Screw			Quantity			Barcode
	Drive	Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
R-TS-3016	T10	3.0	16	500	32000	1000000	
R-TS-3020	T10	3.0	20	500	32000	1000000	
R-TS-3025	T10	3.0	25	500	32000	1000000	
R-TS-3030	T10	3.0	30	500	16000	512000	
R-TS-3035	T10	3.0	35	500	16000	512000	
R-TS-3040	T10	3.0	40	500	16000	512000	
R-TS-3516	T20	3.5	16	500	32000	1000000	
R-TS-3520	T20	3.5	20	500	32000	1000000	
R-TS-3525	T20	3.5	25	500	16000	512000	
R-TS-3530	T20	3.5	30	500	16000	512000	
R-TS-3535	T20	3.5	35	500	16000	512000	
R-TS-3540	T20	3.5	40	500	12000	384000	
R-TS-3545	T20	3.5	45	250	8000	256000	
R-TS-3550	T20	3.5	50	250	8000	256000	
R-TS-4016	T20	4.0	16	500	32000	1000000	
R-TS-4020	T20	4.0	20	500	16000	512000	
R-TS-4025	T20	4.0	25	500	16000	512000	
R-TS-4030	T20	4.0	30	250	16000	512000	
R-TS-4035	T20	4.0	35	250	8000	256000	
R-TS-4040	T20	4.0	40	250	8000	256000	
R-TS-4045	T20	4.0	45	250	8000	256000	
R-TS-4050	T20	4.0	50	250	6000	192000	
R-TS-4060	T20	4.0	60	250	6000	192000	
R-TS-4070	T20	4.0	70	100	3200	102400	
R-TS-5020	T25	5.0	20	250	16000	512000	
R-TS-5025	T25	5.0	25	250	16000	512000	
R-TS-5030	T25	5.0	30	250	8000	256000	
R-TS-5035	T25	5.0	35	250	8000	256000	
R-TS-5040	T25	5.0	40	100	3200	102400	

R-TS Chipboard screws (cont.)

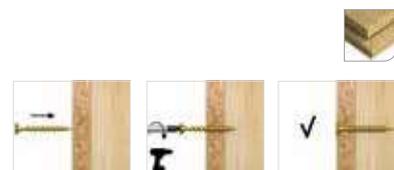
Rawplug code	Screw			Quantity			Barcode
	Drive	Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
R-TS-5050	T25	5.0	50	100	3200	102400	
R-TS-5060	T25	5.0	60	100	3200	102400	
R-TS-5070	T25	5.0	70	100	3200	102400	
R-TS-5080	T25	5.0	80	50	1600	51200	
R-TS-5090	T25	5.0	90	50	1600	51200	
R-TS-5100	T25	5.0	100	50	1600	51200	
R-TS-5120	T25	5.0	120	50	1600	51200	
R-TS-6030	T30	6.0	30	100	3200	102400	
R-TS-6040	T30	6.0	40	100	3200	102400	
R-TS-6050	T30	6.0	50	100	3200	102400	
R-TS-6060	T30	6.0	60	100	3200	102400	
R-TS-6070	T30	6.0	70	50	1600	51200	
R-TS-6080	T30	6.0	80	50	1600	51200	
R-TS-6090	T30	6.0	90	50	1600	51200	
R-TS-6100	T30	6.0	100	50	1600	51200	
R-TS-6120	T30	6.0	120	50	1200	38400	
R-TS-6140	T30	6.0	140	50	1200	38400	
R-TS-6160	T30	6.0	160	50	1200	38400	
R-TS-6180	T30	6.0	180	50	1200	38400	
R-TS-6200	T30	6.0	200	50	800	25600	

QCP High Performance screws



Features and benefits

- Material - Carbon Steel SAE C1018/C1022
- Head - Double Flat Head with ribs (6) under head
- Thread - Chipboard/Coarse TY-17
- Bending Angle - 15° Breaking



Rawplug code	Thread	Screw			Quantity		Barcode
		Drive	Diameter	Length	Box	Pallet	
			mm	mm	pcs		
R-QCP-3016	Full	PZ1	3.0	16	200		
R-QCP-3020	Full	PZ1	3.0	20	200		
R-QCP-3025	Full	PZ1	3.0	25	200		
R-QCP-3516	Full	PZ2	3.5	16	200		
R-QCP-3520	Full	PZ2	3.5	20	200		
R-QCP-3525	Full	PZ2	3.5	25	200		
R-QCP-3530	Full	PZ2	3.5	30	200		
R-QCP-3540	Full	PZ2	3.5	40	200		
R-QCP-3550	Full	PZ2	3.5	50	200		
R-QCP-4016	Full	PZ2	4.0	16	200		
R-QCP-4020	Full	PZ2	4.0	20	200		

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QCP High Performance screws (cont.)

Rawlplug code	Thread	Screw			Quantity	Barcode
		Drive	Diameter	Length	Box	
			mm	mm	pcs	
R-QCP-4025	Full	PZ2	4.0	25	200	
R-QCP-4030	Full	PZ2	4.0	30	200	
R-QCP-4040	Full	PZ2	4.0	40	200	
R-QCP-4050	Full	PZ2	4.0	50	200	
R-QCP-4060	Partial	PZ2	4.0	60	200	
R-QCP-4070	Partial	PZ2	4.0	70	200	
R-QCP-4080	Partial	PZ2	4.0	80	200	
R-QCP-4530	Full	PZ2	4.5	30	200	
R-QCP-4540	Full	PZ2	4.5	40	200	
R-QCP-4550	Full	PZ2	4.5	50	200	
R-QCP-4560	Partial	PZ2	4.5	60	200	
R-QCP-5025	Full	PZ2	5.0	25	200	
R-QCP-5030	Full	PZ2	5.0	30	200	
R-QCP-5040	Full	PZ2	5.0	40	200	
R-QCP-5050	Full	PZ2	5.0	50	200	
R-QCP-5060	Partial	PZ2	5.0	60	200	
R-QCP-5070	Partial	PZ2	5.0	70	200	
R-QCP-5080	Partial	PZ2	5.0	80	200	
R-QCP-5100	Partial	PZ2	5.0	100	200	
R-QCP-6030	Full	PZ3	6.0	30	200	
R-QCP-6040	Full	PZ3	6.0	40	200	
R-QCP-6050	Full	PZ3	6.0	50	200	
R-QCP-6060	Partial	PZ3	6.0	60	200	
R-QCP-6070	Partial	PZ3	6.0	70	200	
R-QCP-6080	Partial	PZ3	6.0	80	200	
R-QCP-6100	Partial	PZ3	6.0	100	200	
R-QCP-6130	Partial	PZ3	6.0	130	100	
R-QCP-6150	Partial	PZ3	6.0	150	100	

WB Self-drilling screws for steel

Double-threaded screw for trapezoidal steel sheet – max thickness of 2 x 1.25mm



Approvals and Reports

- ETA-09/0346



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- The shape and type of thread is designed specifically for connecting to metal sheets
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Reduced drilling point ensures optimal tightness and correct hole diameter in thin metal sheets.
- Two types of threads: one designed for mounting into construction, second under head thread, prevents external panel dents and helps to seal the connection

Applications

- Installing insulation layers on flat roofs in conjunction with steel washer, which remains stable thanks to the double thread.

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Structural Steel



Rawlplug code	Screw			Quantity			Barcode
	Drive	Diameter mm	Length mm	Box pcs	Outer pcs	Pallet pcs	
WB-48080	Hex 8mm	4.8	80	100	1200	28800	
WB-48100	Hex 8mm	4.8	100	100	1200	28800	
WB-48120	Hex 8mm	4.8	120	100	1200	28800	
WB-48140	Hex 8mm	4.8	140	100	1200	28800	
WB-48160	Hex 8mm	4.8	160	100	1200	28800	
WB-48170	Hex 8mm	4.8	170	100	1200	28800	
WB-48180	Hex 8mm	4.8	180	100	1200	28800	
WB-48200	Hex 8mm	4.8	200	100	1200	28800	
WB-48220	Hex 8mm	4.8	220	100	100	28800	
WB-48240	Hex 8mm	4.8	240	100	100	28800	

WX Self-drilling screws for steel

Screw for trapezoidal steel sheet – max thickness of 2 x 1.25mm



Approvals and Reports

- ETA-09/0346



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to metal sheets
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Reduced drilling point ensures optimal tightness and correct hole diameter in thin metal sheets.
- Pre-assembly with other components is possible before installation

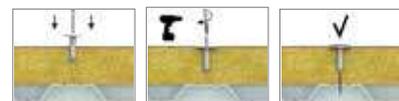
Applications

- Insulation layers on flat roofs together with a appropriate telescopic or steel washer

Base materials

Approved for use in:

- Metal Sheet & Profiles



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WX Self-drilling screws for steel (cont.)

Rawplug code	Screw			Quantity			Barcode
	Drive	Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
WX-48050	PH2	4.8	50	250	3000	72000	
WX-48060	PH2	4.8	60	250	3000	72000	
WX-48070	PH2	4.8	70	250	3000	72000	
WX-48080	PH2	4.8	80	250	3000	72000	
WX-48100	PH2	4.8	100	200	2400	57600	
WX-48120	PH2	4.8	120	200	2400	57600	
WX-48140	PH2	4.8	140	200	2400	57600	
WX-48160	PH2	4.8	160	100	1200	28800	
WX-48180	PH2	4.8	180	100	1200	19200	
WX-48200	PH2	4.8	200	100	100	19200	
WX-48300	PH2	4.8	300	100	500	19200	

WO Screws for timber and thin steel

Screw for timber structures and trapezoidal sheet steel max thickness 0.9mm



Approvals and Reports

- ETA-09/0346



Features and benefits

- Hardened thread surface
- High quality anti-corrosion coating guarantees resistance of 15 Kesternich cycles.
- Shape and type of the thread specially design to allow connecting to metal sheets and wood
- The drill point is designed to provide a fast and hassle-free installation. Sharp point of the drill prevents movement of the surface of the fixture.
- Pre-assembly with other components is possible before installation

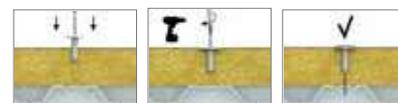
Applications

- Insulation layers on flat roofs together with a appropriate telescopic or steel washer

Base materials

Approved for use in:

- Metal Sheet & Profiles
- Timber
- Chipboard
- Oriented Strand Board



Rawplug code	Screw			Quantity			Barcode
	Drive	Diameter	Length	Box	Outer	Pallet	
		mm	mm	pcs	pcs	pcs	
WO-48060	PH2	4.8	60	250	4000	96000	
WO-48080	PH2	4.8	80	250	4000	96000	
WO-48100	PH2	4.8	100	200	3200	76800	
WO-48120	PH2	4.8	120	200	3200	76800	
WO-48140	PH2	4.8	140	200	3200	76800	
WO-48160	PH2	4.8	160	100	1600	38400	
WO-48180	PH2	4.8	180	100	1200	16100	
WO-48200	PH2	4.8	200	100	100	15000	
WO-48240	PH2	4.8	240	100	500	28800	
WO-48300	PH2	4.8	300	100	500	15000	



Direct Fastening Systems

R-RAWL-SC40 Gas powered steel and concrete nailer

High performance gas powered steel and concrete nailer



Features and benefits

- Pin range from 15mm to 40mm provides wide range of application
- Tool free depth adjustment. The operator can easily adjust the depth that the nail is driven into timber to produce a precise fixing
- Removable magnetic nose tip for attaching metal clips and ceiling hangers. User can safely and comfortably perform in all overhead applications
- Belt hook for safe storage while not in use
- LED display for monitoring battery status and preventing battery depletion
- Rear loading aluminium magazine with a capacity of 40 pins provides durability and less reload operations



Applications

- Applicable for fixing steel and aluminium profiles in drywall structures
- Cable conduits and wires installation
- Installation of all types of MEP clips and clamps

Certificate



Rawplug code	Fastener length range mm	Fastener type	Substrate	Dimensions mm	Fuel cell type	Weight	Magazine capacity	Battery charge	Shots per charge	Noise level	Box Weight	Outer Weight	Barcode
						kg	nail	h		dB	kg	kg	
R-RAWL-SC40	15 - 40	Round head pin	Concrete C20/25 - C50/60	370 x 420 x 108	GP2	3.5	40	2	4000	92	8.54	17.09	

R-RAWL-WW90CH Gas powered framing nailer

High performance gas powered framing nailer for timber framing and roofing applications



R-KIT-WW90/SC40

R-RAWL-WW90CH

Features and benefits

- Nail range from 50mm to 90mm for wide range of applications
- Removable no mark nose for protecting the timber surface. Especially important when securing timber cladding or facades
- Sequential firing mode for operators safety and fixing precision
- Rear loading magazine with a capacity of 60 nails. Quick and simple to load thanks to one hand operation feeder spring. A safety clip at the rear prevents the nails from falling out and ensures safe reloading
- Tool free depth adjustment. The operator can easily adjust the depth that the nail is driven into timber to produce a precise fixing



Applications

- Timber frame stud work in timber framing industry
- Installation of battens and sheathing in roof construction
- Installation of soffits and other roof finishing elements

Certificate



Rawplug code	Fastener length range mm	Fastener type	Substrate	Dimensions mm	Fuel cell type	Weight	Magazine capacity	Battery charge	Shots per charge	Noise level	Box Weight	Outer Weight	Barcode
						kg	nail	h		dB	kg	kg	
R-RAWL-WW90CH	50 - 90	Clipped head nail	Timber	367x372x108	GP1	3.4	60	2	4000	94	8.61	17.23	590667522240

R-RAWL-A2064 Gas powered second fix nailer

Gas powered angled brad nailer for all second fix applications



Features and benefits

- 16 gauge Brad range from 32mm to 64mm for broad range of applications
- Tool free depth adjustment. The operator can easily adjust the depth that the nail is driven into timber to produce a precise fixing
- Quick release mechanism for clearing obstructions and jams without the use of any tools. Allows also to perform simple maintenance
- Removable no mark nose for protecting the timber surface. Especially important in all second fix applications in which undamaged elements will be visible. A spare nose tip cover is stored on the back of the magazine
- LED display for monitoring battery status and preventing battery depletion



Applications

- Installation of wooden facades
- Installation of soffits and other roof finishing elements
- Installation of skirting, architraves and other internal trim
- Manufacturing of furniture, wooden packaging and timber trim

Certificate



Rawplug code	Fastener length range	Fastener type	Substrate	Dimensions	Fuel cell type	Weight	Magazine capacity	Battery charge	Shots per charge	Noise level	Box Weight	Outer Weight	Barcode
	mm			mm									
R-RAWL-A2064	32 - 64	16 gauge angled brad	Timber	320x280x86	GP4	2.15	100	2	4500	92	5.06	10.12	

R-RAWL-B1664 Gas powered second fix nailer

Gas powered angled brad nailer for all second fix applications



Features and benefits

- 16 gauge Brad range from 19mm to 64mm
- Tool free depth adjustment. The operator can easily adjust the depth that the nail is driven into timber to produce a precise fixing
- Quick release mechanism for clearing obstructions and jams without the use of any tools. Allows also to perform simple maintenance
- Removable no mark nose for protecting the timber surface. Especially important in all second fix applications in which undamaged elements will be visible. A spare nose tip cover is stored on the back of the magazine
- LED display for monitoring battery status and preventing battery depletion



Applications

- Installation of wooden facades
- Installation of soffits and other roof finishing elements
- Installation of skirting boards and architraves
- Manufacturing of furniture, wooden packaging and timber trim

Certificate



Rawplug code	Fastener length range	Fastener type	Substrate	Dimensions	Fuel cell type	Weight	Magazine capacity	Battery charge	Shots per charge	Noise level	Box Weight	Outer Weight	Barcode
	mm			mm									
R-RAWL-B1664	19 - 64	16 gauge straight brad	Timber	315x274x86	GP4	2.15	100	2	4500	92	5.06	10.12	

R-RAWL-GMC38 Gas powered joist hanger nailer

Efficient and durable gas powered metal connectors nailer



Features and benefits

- Nail range from 35 to 60mm provides broad range of applications
- Sequential firing mode for operators safety and fixing precision
- Nose with probe mechanism tip locates in the pre-drilled hole for a precise and quick fixing. Easy to operate even in limited access areas
- Capable of accepting both paper and plastic collated nails for freedom of choice
- Rear loading magazine with a capacity of 60 nails. Quick and simple to load thanks to one hand operation feeder spring. A safety clip at the rear prevents the nails from falling out and ensures safe reloading



Applications

- Installation of all types of metal connectors
- Installation of truss supports and angled joints
- Installation of perforated steel tapes

Certificate



Rawlplug code	Fastener type	Fuel cell type	Magazine capacity	Battery charge	Shots per charge	Noise level	Weight	Dimensions	Fastener length range	Substrate	Box Weight	Outer Weight	Barcode
			nail	h		dB					kg	kg	
R-RAWL-GMC38	34° paper laminated	GP1	30	2	4000	94	3.8	355x108x393	35 - 60	Timber	11.00	22.00	

R-KNC, R-KSC plastic collated concrete pins with fuel cells

Smooth shank galvanised pins for concrete applications and for lightWeight steel applications



Certificate



Features and benefits

- Ballistic point increases performance into the base material. This special design is responsible for providing best load bearing values for this type of fixing
- Smooth shank and toughness of 57 - 60 HRC provides great penetration ability and give best result in hard substrates
- Plastic collation provides protection from deterioration by weather conditions or high humidity
- Compatible with leading manufactures tools present on the marketplace
- Full round head for a secure fixing with the highest performance achieved

Applications

- Fixing steel or aluminium profiles into concrete in drywall systems
- Fixing electrical boxes, sanitary ware, cable trunking, etc.
- Cable conduits and wires installation



Rawlplug code	Fastener diameter	Length	Head type	Shank type	Finish	Protection	Collation	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
	mm	mm						pcs	pcs	pcs	kg	kg	
R-KNC													
R-KNC-6/22	2.7	22	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.85	0.85	
R-KNC-6/25	2.7	25	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	1.67	1.67	
R-KNC-6/27	2.7	27	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.90	0.90	
R-KNC-6/32	2.7	32	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.95	0.95	
R-KNC-6/38	2.7	38	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	1.00	1.00	
R-KNC-6/22	2.7	22	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.85	0.85	
R-KNC-6/25	2.7	25	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	1.67	1.67	
R-KNC-6/27	2.7	27	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.90	0.90	
R-KNC-6/32	2.7	32	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.95	0.95	
R-KNC-6/38	2.7	38	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	1.00	1.00	

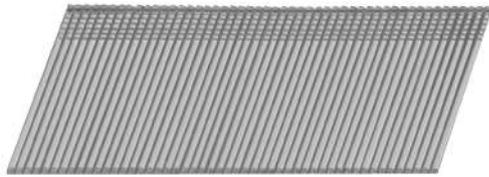
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R-KNC, R-KSC plastic collated concrete pins with fuel cells (cont.)

Rawlplug code	Fastener diameter	Length	Head type	Shank type	Finish	Protection	Collation	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
	mm	mm						pcs	pcs	pcs	kg	kg	
R-KSC													
R-KSC	2.7	17	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.60	0.60	
R-KSC	2.7	19	Full Round	Smooth	Electro galvanised	Up to 4 microns	Plastic strip	10	1000	1	0.70	0.70	

Angled brad nails

16 gauge angled brad nails for all second fix applications



Features and benefits

- Smooth nail shank for low penetration resistance
- Chisel point to prevent timber from splitting
- T type head provides a concealed fixing
- The glue laminated collation ensures a lack of residue in the tool and on the work surface
- Available in galvanised or stainless steel for higher corrosion protection
- Compatible with all leading manufactures 16ga tools

Applications

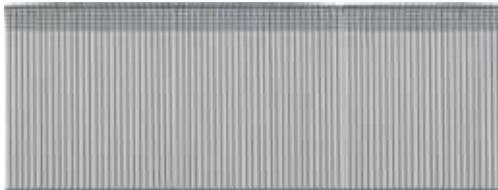
- Installation of wooden facades and other external trim applications
- Installation of soffits and other roof finishing elements
- Installation of timber decorative elements on facades and other timber structures



Rawlplug code	Gauge	Length	Finish	Collation	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
		mm			pcs	pcs	pcs	kg	kg	
BRADS2032	16 Gauge	32	Galvanised	20° glue laminated	50	2000	2	0.3		5010445004667
BRADS2038	16 Gauge	38	Galvanised	20° glue laminated	50	2000	2	0.3		5010445004674
BRADS2045	16 Gauge	45	Galvanised	20° glue laminated	50	2000	2	0.4		5010445004681
BRADS2050	16 Gauge	50	Galvanised	20° glue laminated	50	2000	2	0.4		5010445004698
BRADS2050SS	16 Gauge	50	Stainless Steel	20° glue laminated	50	2000	2	0.5		5010445004728
BRADS2064	16 Gauge	64	Galvanised	20° glue laminated	50	2000	2	0.5		5010445004704

Straight brad nails

16 gauge straight brad nails for all second fix applications



Features and benefits

- Smooth nail shank for low penetration resistance
- Chisel point to prevent timber from splitting
- T type head provides a concealed fixing
- The glue laminated collation ensures a lack of residue in the tool and on the work surface
- Available in galvanised or stainless steel for higher corrosion protection
- Compatible with all leading manufactures 16ga tools

Applications

- Installation of wooden facades and other external trim applications
- Installation of soffits and other roof finishing elements
- Installation of timber decorative elements on facades and other timber structures



Rawlplug code	Gauge	Length	Finish	Collation	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
		mm			pcs	pcs	pcs	kg	kg	
BRADS1619	16 Gauge	19	Galvanised	0° glue laminated	50	2000	2	0.78	0.78	5010445004629
BRADS1625	16 Gauge	25	Galvanised	0° glue laminated	50	2000	2	0.94	0.94	5010445004636
BRADS1625SS	16 Gauge	25	Stainless Steel	0° glue laminated	50	2000	2	0.94	0.94	5010445005305
BRADS1632	16 Gauge	32	Galvanised	0° glue laminated	50	2000	2	1.14	1.14	50100445004643
BRADS1638	16 Gauge	38	Galvanised	0° glue laminated	50	2000	2	1.30	1.30	5010445003585
BRADS1638SS	16 Gauge	38	Stainless Steel	0° glue laminated	50	2000	2	1.32	1.32	5010445005312
BRADS1645	16 Gauge	45	Galvanised	0° glue laminated	50	2000	2	1.50	1.50	5010445004650
BRADS1650	16 Gauge	50	Galvanised	0° glue laminated	50	2000	2	1.63	1.63	5010445003592
BRADS1650SS	16 Gauge	50	Stainless Steel	0° glue laminated	50	2000	2	1.68	1.68	5010445004711
BRADS1664	16 Gauge	64	Galvanised	0° glue laminated	50	2000	2	2.04	2.04	5010445003608

R-DPK, R-DRK paper collated nails with fuel cells

Smooth and ring shank bright nails for timber framing, roofing and other timber applications



Certificate



Features and benefits

- 34° angle collation with a clipped head ensures the nail is compatible with all leading manufactures tools
- Special coating at the base of the shank improves the drive of the nail and ensures a secure fixing
- Diamond point prevents the timber from splitting
- Waxed paper collation avoids deterioration in wet conditions
- Paper tape collation ensures that no collating material is left on the work site
- Depending on the quantity of nails box contains 1, 2 or 3 fuel cells
- A wide variety of combinations of nail coatings and finishes allows everyone to find the right solution for a particular application

Applications

- Timber frame stud work in timber framing industry
- Installation of battens and sheathing in roof construction
- Installation of soffits and other roof finishing elements
- Installation of wooden facades



Rawlplug code	Fastener diameter mm	Length mm	Head type	Shank type	Finish	Collation method	Protection	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
								pcs	pcs	pcs	kg	kg	
R-DPK													
R-DPK-2851	2.8	51	Clipped head	Smooth	Bright	34° paper collated	None	44	3300	3	9.56	9.56	
R-DPK-2863	2.8	63	Clipped head	Smooth	Bright	34° paper collated	None	44	3300	3	11.47	11.47	
R-DPK-3163	3.1	63	Clipped head	Smooth	Bright	34° paper collated	None	44	3300	3	13.25	13.25	
R-DPK-2870	2.8	70	Clipped head	Smooth	Bright	34° paper collated	None	44	3300	3	12.48	12.48	
R-DPK-2875	2.8	75	Clipped head	Smooth	Bright	34° paper collated	None	44	3300	3	13.20	13.20	
R-DPK-3175	3.1	75	Clipped head	Smooth	Bright	34° paper collated	None	44	2200	2	10.34	10.34	
R-DPK-3190	3.1	90	Clipped head	Smooth	Bright	34° paper collated	None	44	2200	2	12.38	12.38	
R-DRK													
R-DRK-2851	2.8	51	Clipped head	Ring	Bright	34° paper collated	None	44	3300	3	9.26	9.26	5906675225661
R-DRK-2863	2.8	63	Clipped head	Ring	Bright	34° paper collated	None	44	3300	3	11.15	11.15	5906675225678
R-DRK-3163	3.1	63	Clipped head	Ring	Bright	34° paper collated	None	44	3300	3	13.34	13.34	
R-DRK-2870	2.8	70	Clipped head	Ring	Bright	34° paper collated	None	44	3300	3	12.09	12.09	
R-DRK-2875	2.8	70	Clipped head	Ring	Bright	34° paper collated	None	44	3300	3	12.98	12.98	
R-DRK-3175	3.1	75	Clipped head	Ring	Bright	34° paper collated	None	44	2200	2	10.33	10.33	5906675225685
R-DRK-3190	3.1	90	Clipped head	Ring	Bright	34° paper collated	None	44	2200	2	12.27	12.27	5906675225654

R-DPG, R-DRG paper collated nails with fuel cells

Smooth and ring shank galvanised nails for timber framing, roofing and other timber applications



R-DPG, R-DRG paper collated nails with fuel cells (cont.)

Certificate



Features and benefits

- 34° angle collation with a clipped head ensures the nail is compatible with all leading manufactures tools
- Special coating at the base of the shank improves the drive of the nail and ensures a secure fixing
- Diamond point prevents the timber from splitting
- Waxed paper collation avoids deterioration in wet conditions
- Paper tape collation ensures that no collating material is left on the work site
- Minimum of 10 microns zinc coating provides great corrosion protection
- Depending on the quantity of nails box contains 1, 2 or 3 fuel cells

Applications

- Timber frame stud work in timber framing industry
- Installation of battens and sheathing in roof construction
- Installation of soffits and other roof finishing elements
- Installation of wooden facades



Rawlplug code	Fastener diameter	Length	Head type	Shank type	Finish	Collation method	Protection	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
	mm	mm						pcs	pcs	pcs	kg	kg	
R-DPG													
R-DPG-2851	2.8	51	Clipped head	Smooth	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	28.71	28.71	
R-DPG-3163	3.1	63	Clipped head	Smooth	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	13.38	13.38	
R-DPG-2875	2.8	75	Clipped head	Smooth	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	28.71	28.71	
R-DPG-3175	3.1	75	Clipped head	Smooth	Silver Galvanised	34° paper laminated	Min. 10 microns	44	2200	2	10.61	10.61	
R-DPG-3190	3.1	90	Clipped head	Smooth	Silver Galvanised	34° paper laminated	Min. 10 microns	44	2200	2	12.35	12.35	
R-DRG													
R-DRG-2851	2.8	51	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	9.13	9.13	5906675225746
R-DRG-2863	2.8	63	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	11.14	11.14	5906675225753
R-DRG-3163	3.1	63	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	8.99	8.99	
R-DRG-2870	2.8	70	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	12.12	12.12	
R-DRG-2875	2.8	75	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	3300	3	12.88	12.88	
R-DRG-3175	3.1	75	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	2200	2	10.42	10.42	5906675225760
R-DRG-3190	3.1	90	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	2200	2	12.71	12.71	5906675225739

Smooth and ring shank hot dipped galvanised nails for timber framing, roofing and wooden facades installation



Certificate



Features and benefits

- 34° angle collation with a clipped head ensures the nail is compatible with all leading manufactures tools
- Special coating at the base of the shank improves the drive of the nail and ensures a secure fixing
- Diamond point prevents the timber from splitting
- Waxed paper collation avoids deterioration in wet conditions
- Paper tape collation ensures that no collating material is left on the work site
- Minimum of 50 micron zinc coating provides high corrosion protection
- Depending on the quantity of nails box contains 1, 2 or 3 fuel cells

Applications

- Timber frame stud work in timber framing industry
- Roof battens installation
- Decking
- Cladding and panelling and installation of other external trim
- Floor boarding



R-DPHDG, R-DRHDG paper collated nails with fuel cells (cont.)

Rawlplug code	Fastener diameter	Length	Head type	Shank type	Finish	Collation	Protection	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
	mm	mm						pcs	pcs	pcs	kg	kg	
R-DPHDG													
R-DPHDG-3190	3.1	90	Clipped head	Smooth	Hot dipped galvanised	34° paper laminated	Min. 50 microns	44	2200	2	13.14	13.14	
R-DRHDG													
R-DRHDG-2851	2.8	51	Clipped head	Ring	Hot dipped galvanised	34° paper laminated	Min. 50 microns	44	3300	3	10.14	10.14	
R-DRHDG-2863	2.8	63	Clipped head	Ring	Hot dipped galvanised	34° paper laminated	Min. 50 microns	44	3300	3	11.33	11.33	
R-DRHDG-3175	3.1	75	Clipped head	Ring	Hot dipped galvanised	34° paper laminated	Min. 50 microns	44	2200	2	10.47	10.47	
R-DRHDG-3190	3.1	90	Clipped head	Ring	Hot dipped galvanised	34° paper laminated	Min. 50 microns	44	2200	2	12.45	12.45	

R-DPGH, R-DRGH paper collated nails with fuel cells

Smooth and ring shank galvanised nails for timber framing, roofing and other timber applications



Certificate



Features and benefits

- 34° angle collation with a clipped head ensures the nail is compatible with all leading manufactures tools
- Special coating at the base of the shank improves the drive of the nail and ensures a secure fixing
- Diamond point prevents the timber from splitting
- Waxed paper collation avoids deterioration in wet conditions
- Paper tape collation ensures that no collating material is left on the work site
- Minimum of 10 micron zinc coating provides great corrosion protection
- Depending on the quantity of nails box contains 1, 2 or 3 fuel cells

Applications

- Timber frame stud work in timber framing industry
- Installation of battens and sheathing in roof construction
- Installation of soffits and other roof finishing elements
- Installation of wooden facades



Rawlplug code	Fastener diameter	Length	Head type	Shank type	Finish	Collation	Protection	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
	mm	mm						pcs	pcs	pcs	kg	kg	
R-DPGH													
R-DPGH-3190	3.1	90	Clipped head	Smooth	Silver Galvanised	34° paper laminated	Min. 10 microns	44	1100	1	6.18	6.18	
R-DRGH													
R-DRGH-2851	2.8	51	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	1100	1	3.17	3.17	
R-DRGH-2863	2.8	63	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	1100	1	3.78	3.78	
R-DRGH-3163	3.1	63	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	1100	1	4.52	4.52	
R-DRGH-3175	3.1	75	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	1100	1	5.12	5.12	
R-DRGH-3190	3.1	90	Clipped head	Ring	Silver Galvanised	34° paper laminated	Min. 10 microns	44	1100	1	6.23	6.23	

R-DRS paper collated nails with fuel cells

Ring shank Stainless steel nails for timber framing, roofing and wooden facades installation



Certificate



Features and benefits

- 34° angle collation with a clipped head ensures the nail is compatible with all leading manufactures tools
- Special coating at the base of the shank improves the drive of the nail and ensures a secure fixing
- Diamond point prevents the timber from splitting
- Waxed paper collation avoids deterioration in wet conditions
- Paper tape collation ensures that no collating material is left on the work site
- A2 Stainless steel ensures the highest corrosion protection
- Depending on the quantity of nails box contains 1, 2 or 3 fuel cells

Applications

- Timber frame stud work in timber framing industry
- Installation of battens and sheathing in roof construction
- Installation of soffits and other roof finishing elements
- Installation of wooden facades



Rawlplug code	Fastener diameter	Length	Head type	Shank type	Finish	Collation	Protection	Fasteners per strip	Carton quantity	Fuel cells per carton	Box Weight	Outer Weight	Barcode
	mm	mm						pcs	pcs	pcs	kg	kg	
R-DRS-2851	2.8	51	Clipped head	Ring	Stainless Steel -A2	34° paper laminated	Full protection	44	3300	3	9.32	9.32	
R-DRS-2863	2.8	63	Clipped head	Ring	Stainless Steel -A2	34° paper laminated	Full protection	44	3300	3	11.37	11.37	

R-HDGT-3838 Paper collated joist hanger nails

Twist shank galvanised nails for metal connectors applications



Certificate



Features and benefits

- 34° angle collation with a clipped head ensures the nail is compatible with all leading manufactures tools
- Waxed paper collation avoids deterioration in wet conditions
- Paper tape collation ensures that no collating material is left on the work site
- Diamond point prevents the timber from splitting
- Twisted shank eases driving the nail into timber and provides better performance
- Full round head provides a secure fixing and high pull through value
- Tapered shank at the nail head provides tight fitting of the metal connector

Applications

- Fixing all types of metal wood connectors



Rawlplug code	Fastener diameter	Length	Head type	Head diameter	Shank type	Finish	Collation	Carton quantity	Pallet quantity	Box Weight	Outer Weight	Barcode
	[mm]	mm		mm				pcs		kg	kg	
R-HDGT-3838	3.8	38	Full Round	8.5	Twist	Hot Dip Galvanised	Paper collated	2200	50	3.44	3.44	

R-RAWL-GP1

Fuel cell for use in R-RAWL-WW90CH and R-RAWL-GMC38 gas powered nailer



Features and benefits

- Clean Propane & Butane mixture reduces carbon residue
- High quality propellant for increased performance
- Contains a fully synthetic oil for lubricating the tool
- Functions from -5°C to 35°C to elongate the work site capability of the system
- Compatible with leading manufactures tools

Applications

- Powering gas powered timber framing nailers

Rawlplug code	Fuel type	Lubrication	Size	Weight	Operating temperatures	Efficiency	Box Weight	Outer Weight	Barcode
			mm	g	°C	shots	kg	kg	
SP-RAWL-GP1	Propane & Butane	Yes	165	40	-5 - 35	min. 1100	0.09	0.09	

R-RAWL-GP2

Fuel cell for use in R-RAWL-SC40, R-RAWL-WW90CH and R-RAWL-GMC38 gas powered nailer



Features and benefits

- Clean Propane & Butane mixture reduces carbon residue
- High quality propellant for increased performance
- Contains a fully synthetic oil for lubricating the tool
- Functions from -5°C to 35°C to elongate the work site capability of the system
- Manufactured in accordance with European Regulations
- Compatible with leading manufactures tools

Applications

- Powering gas powered steel and concrete nailers

Rawlplug code	Fuel type	Lubrication	Size	Weight	Operating temperatures	Efficiency	Box Weight	Outer Weight	Barcode
			mm	g	°C	shots	kg	kg	
SP-RAWL-GP2	Propane & Butane	Yes	68	34	-5 - 35	min. 1000 shots	1.11	11.05	

R-RAWL-GP3

Fuel cell for use in Pulsa 700 type gas nailers



Features and benefits

- Clean Propane & Butane mixture reduces carbon residue
- High quality propellant for increased performance
- Contains a fully synthetic oil for lubricating the tool
- Functions from -5°C to 35°C to elongate the work site capability of the system
- Manufactured in accordance with European Regulations
- Compatible with leading manufactures tools

Applications

- Powering gas powered steel and concrete nailers with PULSA700 type valve

Rawlplug code	Fuel type	Lubrication	Size	Weight	Operating temperatures	Efficiency	Box Weight	Outer Weight	Barcode
			mm	g	°C	shots	kg	kg	
R-RAWL-GP3	Propane & Butane	Yes	40	25	-5 - 35	min. 1000 shots	0.79	7.89	

R-RAWL-GP4-2BL

Fuel cell x2 for use in R-RAWL-A2064 or R-RAWL-B1664 second fix nailers



Features and benefits

- Clean Propane & Butane mixture reduces carbon residue
- High quality propellant for increased performance
- Contains a fully synthetic oil for lubricating the tool
- Functions from -5°C to 35°C to elongate the work site capability of the system
- Manufactured in accordance with European Regulations
- Compatible with leading manufactures tools

Applications

- Powering gas powered second fix timber brad nailers

Rawlplug code	Ireland code	Fuel type	Lubrication	Size	Weight	Operating temperatures	Efficiency	Box Weight	Outer Weight	Barcode
				mm	g	°C	shots	kg	kg	
SP-RAWL-GP4-2BL	RRAWLGP42BL	Propane & Butane	Yes	30	20	-5 - 35	min. 1000 shots	0.30	1.50	5906675274287

R-AW

Steel thrust washer for installation applications.



Certificate

RoHS

Features and benefits

- Plastic insert allows to place it in the nose piece and operate with one hand overhead
- A minimum of 5 micron zinc plating for optimal corrosion protection
- Washers available in two diameters 15 and 25mm for best performance in any application
- Product compatible with most of the gas tools available on the market which allows matching accessories with your equipment
- Plastic insert made out of recyclable HDPE
- A wide range of applications reached, thanks to large pressure surface. Especially important when securing elements made out of plastic

Applications

- Fixing steel or aluminium profiles into concrete in drywall systems
- Fixing electrical boxes, sanitary ware, cable trunking, etc.
- Fastening plastic elements liable to damage while installing



Rawlplug code	Material	Diameter	Thickness	Finish	Box Weight	Outer Weight	Barcode
		mm	mm		kg	kg	
R-AW-15	Steel	15	1	Electro galvanised	0.32	5.11	
R-AW-25	Steel	25	1	Electro galvanised	0.45	7.20	

R-DFT double metal clip for low voltage fire protection systems

Double metal clip for low voltage electric installations



Certificate



RoHS

Features and benefits

- With its special design and issued certificates it is dedicated to fasten low-voltage installations, e.g. CCTV, alarm or fire protection systems
- Proven to provide full functionality of the fire resistant cable up to maximum required time(120 min)
- Equipped with plastic insert allowing to place it firmly in the nose piece of the tool and perform one hand over head installation
- With its special design and issued certificate it is dedicated to secure low-voltage electrical systems, e.g. CCTV, alarm or fire protection systems
- 5 microns of zinc coating provides good protection against corrosion

Applications

- Installation of low voltage cables in alarm, CCTV, IT and fire protection systems



Rawplug code	Carton quantity	Internal diameter	Class fire reaction	Box Weight	Outer Weight	Barcode
	mm	mm	mm	mm	cm	
R-DFT-6	100	6	90	0.90	14.40	
R-DFT-8	100	8	90	0.92	14.72	
R-DFT-10	100	10	90	0.50	7.50	

R-FP single plastic clip

Single plastic clip for MEP applications

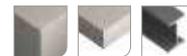


Features and benefits

- Designed to be used for fixing installation pipes ex. underfloor heating
- Applicable for electrical installations on technical floors, walls and ceilings
- Manufactured in accordance to RoHS from halogene free PA6
- Product compatible with most of the tools available on the market
- Thanks to its special design, it provides secure fixing of installed parts
- Special slot for tools nose peice provides good positioning and precision of fixing
- Product compatible with majority of the gas powered tools available on the market, which allows to match accessories with your equipment

Applications

- Pipework installation
- Underfloor heating installation



Rawplug code	Carton quantity	Internal diameter	Box Weight	Outer Weight	Barcode
	mm	mm	mm	cm	
R-FP-16	16	100	0.23	3.60	
R-FP-18	18	100	0.47	7.52	
R-FP-20	20	100	0.50	8.00	
R-FP-22	22	100	0.55	8.80	
R-FP-25	25	100	0.58	5.80	
R-FP-28	28	100	0.08	0.75	
R-FP-32	32	50	0.17	2.64	
R-DFT-10	100	10	0.50	7.50	

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R-FPD double plastic clip

Double plastic clip for MEP applications



Features and benefits

- Designed to be used for fixing installation pipes ex. underfloor heating
- Applicable for electrical installations on technical floors, walls and ceilings
- Manufactured in accordance to RoHS from halogene free PA6
- Product compatible with majority of the gas powered tools available on the market, which allows to match accessories with your equipment
- Thanks to its special design, it provides secure fixing of installed parts
- Special slot for tools nose peice provides good positioning and precision of fixing

Applications

- Pipework installation
- Underfloor heating installation



Rawlplug code	Carton quantity	Internal diameter	Box Weight	Outer Weight	Barcode
	mm	mm	mm	cm	
R-FPD-16	16	100	0.52	5.20	
R-FPD-20	20	50	0.18	2.80	
R-FPD-25	25	50	0.25	2.45	

R-FT single metal clip for pipe installation

Single metal clip for MEP applications



Certificate

RoHS

Features and benefits

- A clip designed to be used with SC40 gas nailer equipped with magnetic nose tip allowing to operate with one hand overhead
- Wide range of available diameters allows to select ideal clip for each application. Suitable for installation of metric, imperial(inch), copper, multilayer, PE, PP, PB and stainless pipes
- A minimum of 5 microns of zinc coating for better corrosion protection
- Single metal clip for pipe installation ensures cost savings and time effectiveness
- Product compatible with most of the gas tools available on the market which allows matching accessories with your equipment

Applications

- Pipe installation in plumbing
- Fixing pipes and cables in HVAC systems
- Installing cables in pipes and corrugated conduits



Rawlplug code	Carton quantity	Internal diameter	Box Weight	Outer Weight	Barcode
	mm	mm	mm	cm	
R-FT-10	100	10	0.28	4.48	
R-FT-16	100	16	0.50	7.50	
R-FT-18	100	18	0.65	9.75	
R-FT-20	100	20	0.92	13.80	
R-FT-22	100	22	1.10	11.00	
R-FT-25	100	25	1.14	11.40	
R-FT-28	100	28	1.37	13.70	
R-FT-32	100	32	1.55	15.50	

R-PCC Pipe and cable clip

Single plastic clip for MEP applications



Certificate



RoHS

Features and benefits

- The clip allows to use it in multiple applications thanks to adjustable diameter
- Equipped with countersink cavity allowing to place it firmly onto the nose piece of the tool and perform one hand over head installation
- The clip made out of recyclable PA6 provides sustainability
- Possibility to use the clip for hot water pipes thanks to special groove in the clip base and an installation railing
- Suitable for installing metric, copper, steel, multilayer, PE, PP, PB and stainless pipes
- Product compatible with majority of the gas powered tools available on the market, which allows to match accessories with your equipment

Applications

- Fixing pipes and cables in HVAC systems
- Installing cables in pipes and corrugated conduits
- Installation of metal and plastic pipes in all pipework installations



Rawplug code	Bag quantity	Description	Diameter range	Dimensions	Operating temperatures	Box Weight	Outer Weight	Barcode
			mm	mm	°C	kg	kg	
R-PCC-18	100 pcs	Adjustable pipe and cable clip	14 - 18	20x24x35,6	-10 - + 90	0.69	24.17	
R-PCC-25	50 pcs	Adjustable pipe and cable clip	20 - 25	20X29X45,5	-10 - + 90	0.49	7.33	
R-PCC-32	50 pcs	Adjustable pipe and cable clip	26 - 32	20x36x53,6	-10 - + 90	0.60	21.11	
R-PCC-42	25 pcs	Adjustable pipe and cable clip	35 - 42	24x45x66,4	-10 - + 90	0.46	6.85	

R-PFT single metal clip for low voltage fire protection systems



Certificate



RoHS

Features and benefits

- With its special design and issued certificates it is dedicated to fasten low-voltage installations, e.g. CCTV, alarm or fire protection systems
- Proven to provide full functionality of the fire resistant cable up to maximum required time (120 min)
- A minimum of 5 microns of zinc coating for better corrosion protection
- Equipped with plastic insert allowing to place it firmly in the nose piece of the tool and perform one hand over head installation
- Product compatible with most of the gas tools available on the market which allows matching accessories with your equipment

Applications

- Installation of low voltage cables in alarm, CCTV, IT and fire protection systems



Rawplug code	Carton quantity	Internal diameter	Class fire reaction	Box Weight	Outer Weight	Barcode
	mm	mm	mm	mm	cm	
R-PFT-6	50	6	90	0.16	0.80	
R-PFT-8	50	8	90	0.10	0.48	
R-PFT-10	50	10	90	0.20	3.20	
R-PFT-12	100	12	90	0.90	14.40	

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