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LAL GROUP

Introduction

We think that we do our share in holding the world together. In past 70 years, Lal Group has earned a reputation for being place to find “impossible”. If you ever have tough time finding the right nut or bolt, you’ll be glad you found us. When no one else has it, we usually do and in stock! We carry nuts, bolts, all kinds of industrial fasteners and some stuff that’s just plain weird. Whether you are building a space shuttle or working on your ‘57 Chevy, we have the right fasteners you’re looking for. We also sell all of your everyday fasteners at the lowest price you will find.

we are a company with genuine commitment to professional, affordable and personalized service. We are dedicated to meet your needs and making your job a little easier. Our staff is made up of well trained and competent individuals who are concerned with helping you achieve your goals. We at Lal Group have worked on certain turkey projects which made us equipped enough for any task in front of us. It is our continuous endeavor to reach more and more people/companies and provide them with our quality services at the most competitive rates.

Mission

The people in this company work with a single mission of quality and satisfaction. It is our mission to continuously understand the requirements of our customers and provide them with all the correct solutions available in the market. It is our mission to learn new ways of handling our clients and better ways of manufacturing precious equipment, which will in return, enhance our quality. We believe in quality and we thrive on our very best of quality.

Vision

Our vision is to become a global entity in the field of production and sales in steel fasteners. It is our vision to spread our wings all over the world and make a global name by providing world with best quality products in the best known ways for the best of customers. We want to establish a new meaning to quality and service, that of Lal Group.

Group Companies

Six companies come under the umbrella of Lal Group naming H.b.lal & Co., H & b fasteners, Maxgrip technologies, Victory hardware, Altech prime engineering, English premier fasteners.



In 1930's Mr. Haji Lal Din established a small company named H.B.Lal & Co. with the aim to provide quality fasteners and fixing system to the customers at competitive prices. The head office was it Brandreth Road (now called Nishtar Road). Main products were of local origin and later imports from different Asian countries filled the bucket of merchandises.

H & B Fasteners



With the passage of time and true commitment of the management, the company established another sister company under the name of H & B Fasteners. This new company explored new horizons in the rapidly growing industry of Pakistan by starting manufacturing its own fasteners in the factory based at the outskirts of Lahore. The aim of this new company was also the same, 'Quality at cheaper prices for the satisfaction of customer'. These new operations were not only being admired by the local industry but also by the foreign markets. Soon after H & B Fasteners started the manufacturing job, it became the exporter too, with most of its exports to Afghanistan and African nations.

Maxgrip Technologies

MAXGRIP TECHNOLOGIES
Sole Importers & Distributors in Pakistan

Lal Group then focused on providing customers in Pakistan with those high quality products which are widely recognized not in Asia but around the world. To realize this dream, management established another company under the name of **Maxgrip Technologies**. This new company became the sole importer and distributor of K.A.L.M. in Pakistan. where, K.A.L.M. is a German company which manufactures fixing systems and fasteners and has all the widely accepted European and Russian approvals (like ETA, DEBT, Fire resistance etc) for its products. Maxgrip Technologies is now among those very few companies in Pakistan which provides products with European and Russian approvals.

Victory Hardware Mart



Fasteners the tiny little items which help to keep your normal every day use items intact, and from falling apart, are our specialty. With over twenty years of experience in Victory, we place immense emphasis on service quality and value, at the most competitive prices. If you can't find what you require, you can find it with us. And even if you can't find it readily available in our stock, we can manufacture it, tailored to your detail and specifications, in any material, ensuring your satisfaction within no time!
Just email us at vhms_1932@hotmail.com

We understand the importance of the precision and exactness required in meeting the specifications of your order. This is why at Victory Hardware Mart, we place as much importance on our service as on our products. We don't believe in one time services, we believe in building long lasting relationships.

Chairman
Mian Javiad Ali

ALTECH Prime Engineering



The AL-Tech Prime Group was founded in 1971 and has since pursued an unstinted path of growth despite national and international competition. Growth and positive social consequences has been our motto. Our long-term dream of building a multi-product, multi-brand company has now become a reality with the bricks of inveterate faith in ourselves. We laid the foundation of the AL-Tech Prime Group (APG), and have since built an industry where a bright future is churned out every instant.

APG is an organization of highly motivated, disciplined and trained team of engineers, technicians and managers who, day-in -day-out, strive to implement cutting edge solutions in the myriad fields of:

Engineering
Manufacturing / Fabrication / Machining / Formatting
Project Management
Construction

AUTHORIZATION



Registration of Explosives
Department Govt. Of Pakistan
Ministry Of Industries



Registration of Oil & Gas Regulatory
Authority (OGRA) Pakistan



Registration of Pakistan
Engineering Council)



Registration of ISO 9001 2008



Serial No. **272164**
PEC-11

PAKISTAN ENGINEERING COUNCIL

License No: 04592 Category: C3 Validity: 31st December, 2013

LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR

(Under the bye-laws of Pakistan Engineering Council 1987)

This is to certify that M/s **PRIME ENGINEERING WORKS** (Licensee), with its registered office at **18KM MULTAN ROAD LAHORE** has/have been licensed under Construction and Operation of Engineering Works Bye-laws 1987, until the validity date to construct/operate engineering works, the construction/capital cost of which does not exceed Rs. **250 (TWO HUNDRED & FIFTY) million** provided the licensee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering work; and subject to the licensee continuing to fulfill all the requirements of the bye-laws.

Field of Specialization **CE10 - ME07 (GENERAL MECHANICAL WORK ONLY) - (TWO ONLY)** (Specialization Code Nos. for detail see overleaf)

Date of Issue : March 15, 2013



[Signature]
Registrar
Pakistan Engineering Council,
Islamabad.

Note:

1. This Certificate of Registration is valid until 31st December 2013. It should be renewed on payment of the required fee for the next year. Application of renewal for the next year should be submitted by 05 November 2013.
2. Names of Professional Engineers working with the firm are shown on the reverse. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor and inform the Council accordingly.
3. This licence shall be renewed before 31st March 2014 without late payment surcharge.

English Premier Fasteners



ENGLISH PREMIER FASTENERS

Fasteners, the tiny little items which help to keep your normal every day use items intact, and from falling apart, are our specialty. With over twenty years of experience in fasteners, we place immense emphasis on service quality and value, at the most competitive prices. If you can't find what you require, you can find it with us. And even if you can't find it readily available in our stock, we can manufacture it, tailored to your detail and specifications, in any material, ensuring your satisfaction within no time!

Just email us at info@epfcanada.com

We understand the importance of the precision and exactness required in meeting the specifications of your order. This is why at English Premier Fasteners, we place as much importance on our service as on our products. We don't believe in one time services, we believe in building long lasting relationships.

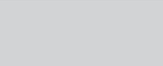


CANADA



Products		Page #	concrete	solid brick	honeycomb brick	cell like clay brick	light weight honeycomb brick	hollow dense aggregate block	hollow light aggregate block	aerated concrete	plasterboard	panels and sheets	solid stone	wood	metal profiles
EPF - MAX-F Heavy duty safety bolt for cracked concrete			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - MHD Heavy duty through anchor for cracked concrete			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - MSK Heavy duty through anchor			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - WA Heavy duty Wedge anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - WAC Through bolt anchor			●	●	●	●	●	●	○	○	○	○	●	○	○
EPF - WHD Heavy duty through anchor			●	●	●	●	●	●	○	○	○	○	●	○	○
EPF - TWA Anchor for suspended ceiling			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - TMA Concrete screw															
EPF - SA Heavy duty sleeve anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - SAB Heavy duty sleeve anchor			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - SAC Sleeve anchor with anti-spin, for heavy duty fixings			●	●	●	●	●	●	●	○	○	○	●	○	○
EPF - HAS Heavy duty shell anchor			●	●	●	●	●	●	○	○	○	○	●	○	○
EPF - DA Heavy duty drop in anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - BDA Brass anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - CA Heavy duty cut anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF-CLP Chemical fixing vinylster			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF-TR Chemical anchor															
EPF - XY			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - VL			●	●	○	○	○	○	○	○	○	○	●	○	○

Products		Page #	concrete	solid brick	honeycomb brick	cell like clay brick	light weight honeycomb brick	hollow dense aggregate block	hollow light aggregate block	aerated concrete	plasterboard	panels and sheets	solid stone	wood	metal profiles
EPF - PL			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - MG Injection gun for KEM-UP - KEM cartridges			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - GC Epoxy putty sticks			●	●	●	●	●	●	●	○	○	○	●	○	○
EPF - PS Polyester and epoxy grouts and mortars			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - HDE Heavy duty expansion anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - SF Scaffold fixing			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - SFF Scaffold fixing			●	●	○	○	○	○	○	○	○	○	○	●	○
EPF - MFA Long metal sleeve frame anchor			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - NF Nylon Rimless plug			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - NFS Countersunk preassembled nylon plug			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - EXP Universal Nylon plug			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - EXF Multi-expansion long plug - high load values			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - XF Nylon plug with eye white zinc plated metal washer			○	○	○	○	○	○	○	○	○	○	○	○	●
EPF - XM Metallic anchor with eye white zinc plated			●	●	○	○	○	○	○	○	○	○	●	○	○
EPF - SNP Self drilling nylon plug for plasterboard			○	○	○	○	○	○	○	○	●	○	○	○	○
EPF - NI Nail - in insulation anchor			●	●	○	○	○	○	○	○	○	○	○	○	○
EPF - IF Insulation fastener			●	●	○	○	○	○	○	○	○	○	○	○	○

Products		Page #	concrete	solid brick	honeycomb brick	cell like clay brick	light weight honeycomb brick	hollow dense aggregate block	hollow light aggregate block	aerated concrete	plasterboard	panels and sheets	solid stone	wood	metal profiles
EPF - MIF Metal insulation fastener			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - ICF Installation channel			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - IBF Bracket			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - KBN Drive pin for fixings in concrete			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - KBN-M Nails in magazine for fixings in concrete			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - CSC Caliber strip			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSF Self drilling screw - DIN 7504 N			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSC Self drilling screw - DIN 7504 P			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSH Self drilling screw - DIN 7504 K			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSG Self drilling screw Stainless Steel A4 Bimetal			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSL Self drilling screw - EN ISO 15480			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSW Wing self drilling screw for fixing wood on metal supports			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DSK Hex head wood screw - DIN 571 - UNI 704			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - LS Corner screw for wood - NF E 25-611			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - LC Hook screw for wood - NF E 25-610			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - LR Screw eye for wood - NF E 25-609			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - BU Countersunk head chipboard screw - fully threaded			○	○	○	○	○	○	○	○	○	○	○	○	○

Products		Page #	concrete	solid brick	honeycomb brick	cell like clay brick	light weight honeycomb brick	hollow dense aggregate block	hollow light aggregate block	aerated concrete	plasterboard	panels and sheets	solid stone	wood	metal profiles
EPF - HWA Hollow wall anchor			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - TMC Metal anchor for plasterboard			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - ECN Eye coupling nuts			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - SDA Split drive anchor			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - TAB Toggle bolts			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - GTA Gravity spring toggle anchor			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - TSA Sleeve anchor one piece with unlosable nut			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - LWS Lead wood screw anchor			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - CSA saw anchor			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - PCI Pre cast insert			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - FCA Ceiling anchor			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - CP Construct pin			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - SWW Steel anchor with two wings			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - ENX Express nail anchor			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - LBK Perforated banding steel galvanized			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF- LBK - E Perforated banding stainless steel			○	○	○	○	○	○	○	○	○	○	○	○	○

Products		Page #	concrete	solid brick	honeycomb brick	cell like clay brick	light weight honeycomb brick	hollow dense aggregate block	hollow light aggregate block	aerated concrete	plasterboard	panels and sheets	solid stone	wood	metal profiles
EPF - ER Drainpipe clamp			●	○	○	○	○	○	○	○	○	○	●	○	○
EPF - AR Reinforced pipe clamp			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - AI Opened isophonic pipe clamp			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - RI Isophonic pipe clamp fast-clip			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - AG Yellow coated pipe clamp for gas			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - PH Pipe Hanger			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - SP Sprinkler pipe clamp			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - CD Cast-in down pipe clamp			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - DC Down pipe clamp to screw			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - U U-bolt			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - SA U-bolt support			○	○	○	○	○	○	○	○	○	○	○	○	○
EPF - RC Robust clamp			○	○	○	○	○	○	○	○	○	○	○	○	○
HOUSE CLAMPS Metallic band clamp - DIN 3017			○	○	○	○	○	○	○	○	○	○	○	○	○
BOLTS White zinc plated screw > DIN 933, 931, 6921, 603 > GR 5.8, 8.8, 10.9, 12.9 > ASTM A307, A325, 449 Finish: Electro > Black > HDG			○	○	○	○	○	○	○	○	○	○	○	○	○
HEX NUT White zinc plated nuts > DIN 934, A563 > GR 8, 10, 2H, DH ETC. Finish: Electro > Black > HDG			○	○	○	○	○	○	○	○	○	○	○	○	○
ANCHOR BOLTS A307 & A1554-9 STEEL A36, 55, 105 Finish: Electro > Black > HDG			○	○	○	○	○	○	○	○	○	○	○	○	○

Products		Page #	concrete	solid brick	honeycomb brick	cell like clay brick	light weight honeycomb brick	hollow dense aggregate block	hollow light aggregate block	aerated concrete	plasterboard	panels and sheets	solid stone	wood	metal profiles
SOCKET HEAD CAPS SCREW > DIN 912, 913 > GR 8.8, 10.9, 12.9 > GR 5.8, 8.8, 87, L7			○	○	○	○	○	○	○	○	○	○	○	○	○
THREADED ROD DIN 975															
RIVIT Aluminium body white zinc plated steel nail															
SPRING NUT Indextrut channel spring nut															
BEAM BOLTS Steel beam clamps															
CONNECTORS Channel U-fittings															
LOCK NUT Self-locking nut - DIN 982															
WING NUT Wing nut - UNI 5448															
CONNECTING NUT Hex connecting nut															
FLANGED NUT Flanged nut - DIN 6923															
CAP NUT Cap nut - DIN 1587															
EPF - TNN Tee nut															
EPF - SS Steel pipe scaffold															
STAINLESS STEEL FASTENERS															
STAINLESS STEEL FASTENERS (descriptions)															
COMPARISON															
EPF - TR Treaded Rod - DIN 976-1															
EPF - SG Steel Grating															
EPF - RB Rock Bolt															
EPF - WM Wire Mesh															

METALLIC HEAVY DUTY FIXINGS

EPF-MAX-F

HEAVY DUTY SAFETY BOLT FOR CRACKED CONCRETE



Certified for use in seismic areas

Maximum safety with
greater loading capacity.

SAFE INSTALLATION

Optimal expansion guaranteed by
the coupling of the cone and body



UNIFORM EXPANSION

Single piece
three expanding segments



ANTIROTATION

The special bush shape
prevents rotation



METALLIC HEAVY DUTY FIXINGS

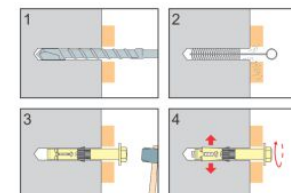
EPF-MAX-F

Heavy duty safety bolt for cracked concrete

- concrete
- solid stone



Certified for use in seismic areas



For cracked concrete

Certified for use in seismic areas

Hex head screw
grade 8.8
white zinc plated

Code	Type	Plug Cheville Ø x L	Screw Vis	Wrench S/plat	Fixing thickness Épais. fixable max	Pkg.
EPF-MAX-F-10070	10/10-M6	10x70	M6	10	10	50
EPF-MAX-F-10080	10/20-M6	10x80	M6	10	20	50
EPF-MAX-F-10110	10/50-M6	10x110	M6	10	50	50
EPF-MAX-F-12080	12/10-M8	12x80	M8	13	10	25
EPF-MAX-F-12090	12/20-M8	12x90	M8	13	20	25
EPF-MAX-F-12120	12/50-M8	12x120	M8	13	50	25
EPF-MAX-F-15090	15/10-M10	15x90	M10	17	10	20
EPF-MAX-F-15100	15/20-M10	15x100	M10	17	20	20
EPF-MAX-F-15130	15/50-M10	15x130	M10	17	50	20
EPF-MAX-F-15080	15/100-M10	15x180	M10	17	100	20
EPF-MAX-F-18110	18/10-M12	18x110	M12	19	10	20
EPF-MAX-F-18125	18/25-M12	18x125	M12	19	25	20
EPF-MAX-F-18150	18/50-M12	18x150	M12	19	50	20
EPF-MAX-F-18200	18/100-M12	18x200	M12	19	100	20
EPF-MAX-F-24125	24/10-M16	24x125	M16	24	10	10
EPF-MAX-F-24140	24/25-M16	24x140	M16	24	25	10
EPF-MAX-F-24165	24/50-M16	24x165	M16	24	50	10
EPF-MAX-F-24215	24/100-M16	24x215	M16	24	100	10

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



EPF-MHD

HEAVY DUTY THROUGH ANCHOR FOR CRACKED CONCRETE



The specialist for
cracked concrete.

SOLID EXPANSION
Stainless steel clip
with innovative design

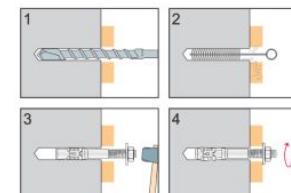
GREATER STABILITY
Nine gripping dents
for adhesion to hole walls



EPF-MHD

Heavy duty through anchor for cracked concrete

- concrete
- solid stone



For cracked concrete

Assembled
Hardened and tempered
anchor body
Stainless steel A4 clip

Code	Dimension Ø x L	Thread length	Fixing thickness	Box q.ty	Pkg.
EPF-MHD-08068	M8x68	30	4	100	800
EPF-MHD-08075	M8x75	30	10	100	800
EPF-MHD-08090	M8x90	40	25	100	500
EPF-MHD-08115	M8x115	60	50	100	500
EPF-MHD-08135	M8x135	80	70	100	500
EPF-MHD-08165	M8x165	80	100	50	250
EPF-MHD-10090	M10x90	40	10	50	400
EPF-MHD-10105	M10x105	55	25	50	250
EPF-MHD-10115	M10x115	55	35	50	250
EPF-MHD-10135	M10x135	85	55	50	250
EPF-MHD-10155	M10x155	85	75	50	250
EPF-MHD-10185	M10x185	85	105	25	125
EPF-MHD-12110	M12x110	65	10	50	250
EPF-MHD-12120	M12x120	65	20	50	250
EPF-MHD-12145	M12x145	85	45	25	200
EPF-MHD-12170	M12x170	85	70	25	125
EPF-MHD-12200	M12x200	85	100	25	125
EPF-MHD-16130	M16x130	65	10	20	120
EPF-MHD-16150	M16x150	85	30	20	100
EPF-MHD-16185	M16x185	85	60	20	80
EPF-MHD-16220	M16x220	85	100	15	90

● suitable applications

● partially suitable applications

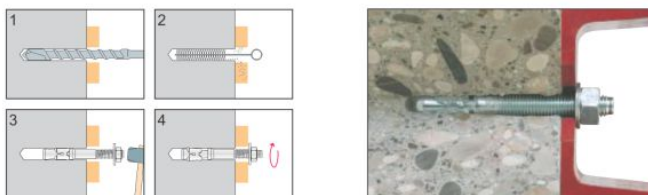
▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-MSK

Heavy duty through anchor

- concrete
- solid stone



Assembled
white zinc plated

Code*	Dimension Ø x L	Thread length	Fixing thickness	Box q.ty	Pkg.
EPF-MSK-06045 (1)(2)	M6x45	20	3	200	2000
EPF-MSK-06065	M6x65	40	15	100	1000
EPF-MSK-06085	M6x85	60	35	100	1000
EPF-MSK-06100	M6x100	60	50	50	500
EPF-MSK-08050 (1)(2)	M8x50	23	5	100	1000
EPF-MSK-08065	M8x65	38	7	100	800
EPF-MSK-08075	M8x75	48	15	100	800
EPF-MSK-08090	M8x90	63	30	100	500
EPF-MSK-08115	M8x115	83	55	100	500
EPF-MSK-08135	M8x135	88	75	100	500
EPF-MSK-08165	M8x165	88	105	50	250
EPF-MSK-10060 (1)(2)	M10x60	28	5	50	500
EPF-MSK-10075	M10x75	43	5	50	500
EPF-MSK-10090	M10x90	55	20	50	400
EPF-MSK-10100	M10x100	60	30	50	400
EPF-MSK-10120	M10x120	85	50	50	250
EPF-MSK-10145	M10x145	85	75	50	250
EPF-MSK-10170	M10x170	85	100	50	200
EPF-MSK-10210 (2)	M10x210	85	140	25	200
EPF-MSK-12080 (1)(2)	M12x80	40	7	50	300
EPF-MSK-12100	M12x100	58	10	50	250
EPF-MSK-12110	M12x110	68	20	50	250
EPF-MSK-12135	M12x135	93	45	25	200
EPF-MSK-12160	M12x160	93	70	25	150
EPF-MSK-12185	M12x185	93	100	25	150
EPF-MSK-12200 (2)	M12x200	93	115	20	120
EPF-MSK-12220 (2)	M12x220	93	135	20	120
EPF-MSK-12240 (2)	M12x240	93	155	20	120
EPF-MSK-12255 (2)	M12x255	93	170	20	100
EPF-MSK-12285 (2)	M12x285	93	200	20	100
EPF-MSK-12300 (2)	M12x300	93	215	20	100
EPF-MSK-12325 (2)	M12x325	93	240	20	75
EPF-MSK-12355 (2)	M12x355	93	270	20	75
EPF-MSK-14100	M14x100	50	3	25	150
EPF-MSK-14110	M14x110	60	10	25	150
EPF-MSK-14130	M14x130	85	30	25	150
EPF-MSK-14150	M14x150	90	50	25	100
EPF-MSK-14170	M14x170	90	70	25	100
EPF-MSK-14200	M14x200	90	100	25	100
EPF-MSK-16110 (1)(2)	M16x110	53	15	20	100
EPF-MSK-16125	M16x125	68	10	20	100
EPF-MSK-16145	M16x145	88	30	20	100
EPF-MSK-16175	M16x175	88	60	20	80
EPF-MSK-16215	M16x215	88	100	15	60
EPF-MSK-16230 (2)	M16x230	88	115	10	50
EPF-MSK-16250 (2)	M16x250	88	135	10	50
EPF-MSK-16270 (2)	M16x270	88	155	10	50
EPF-MSK-16285 (2)	M16x285	88	170	10	50
EPF-MSK-16320 (2)	M16x320	88	205	10	50
EPF-MSK-20170 (2)	M20x170	60	30	10	80
EPF-MSK-20215 (2)	M20x215	60	75	10	50
EPF-MSK-24160 ▲ (1)(2)	M24x160	60	10	10	
EPF-MSK-24180 ▲ (2)	M24x180	60	10	10	
EPF-MSK-24200 ▲ (2)	M24x200	80	30	10	
EPF-MSK-24220 ▲ (2)	M24x220	100	50	10	
EPF-MSK-24260 ▲ (1)(2)	M24x260	100	90	10	
EPF-MSK-24310 ▲ (2)	M24x310	100	140	10	

*Large washer DIN 9021 version is available upon request. For information contact the Export office.

(1) Anchors with reduced embedment depths

(2) Sizes not covered by CE certification

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



METALLIC HEAVY DUTY FIXINGS

EPF-WA

Heavy duty wedge anchor

- concrete
- solid brick
- solid stone



Code	Anchor Size	Thred Length Min.	Embedment Min.	Fast Thickness Max.	Pull Out Load (kgs)	Lathe Anchor (kgs)
EPF-WA-06040	M6 x 40	15	27	3	900	850
EPF-WA-06055	M6 x 55	30	35	15	900	850
EPF-WA-06070	M6 x 70	45	35	30	900	850
EPF-WA-06095	M6 x 95	60	35	55	900	850
EPF-WA-08050	M8 x 50	20	35	10	1300	1150
EPF-WA-08065	M8 x 65	35	40	20	1300	1150
EPF-WA-08080	M8 x 80	50	40	35	1300	1150
EPF-WA-08095	M8 x 95	65	40	50	1300	1150
EPF-WA-08105	M8 x 105	75	40	60	1300	1150
EPF-WA-08120	M8 x 120	95	40	75	1300	1150
EPF-WA-08165	M8 x 165	100	40	135	1300	1150
EPF-WA-10065	M10 x 65	30	40	15	1700	1500
EPF-WA-10080	M10 x 80	45	50	20	1700	1500
EPF-WA-10095	M10 x 95	60	50	35	1700	1500
EPF-WA-10115	M10 x 115	80	50	55	1700	1500
EPF-WA-10125	M10 x 120	85	50	60	1700	1500
EPF-WA-10130	M10 x 130	95	50	70	1700	1500
EPF-WA-12080	M12 x 80	35	50	20	2500	2300
EPF-WA-12100	M12 x 115	55	60	30	2500	2300
EPF-WA-12120	M12 x 120	75	60	50	2500	2300
EPF-WA-12135	M12 x 135	90	60	65	2500	2300
EPF-WA-12150	M12 x 150	100	60	80	2500	2300
EPF-WA-16105	M16 x 105	50	70	15	4000	3400
EPF-WA-16140	M16 x 140	85	80	40	4000	3400
EPF-WA-16180	M16 x 180	100	80	80	4000	3400
EPF-WA-20125	M20 x 125	65	85	15	5800	5400
EPF-WA-20160	M20 x 160	100	100	40	5800	5400
EPF-WA-20180	M20 x 180	100	100	80	5800	5400

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

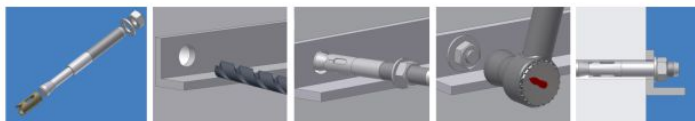


METALLIC HEAVY DUTY FIXINGS

EPF-WAC

Through bold anchor

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- solid stone



Code	Dimension Ø x L	Thread length	Fixing thickness	Weight kgs per 1000pcs	Pull Out Load (kgs)
EPF-WAC-06045	M-6 x 45	20,30	2	200	1.200
EPF-WAC-06055	M-6 x 55	22,03	-	200	1.250
EPF-WAC-06060	M-6 x 60	22,23	2	200	1.200
EPF-WAC-06065	M-6 x 65	22,50	7	200	1.250
EPF-WAC-06070	M-6 x 70	22,67	12	200	1.200
EPF-WAC-06080	M-6 x 80	24,17	22	200	1.200
EPF-WAC-06085	M-6 x 85	25,41	27	200	1.250
EPF-WAC-06090	M-6 x 90	25,71	32	200	1.200
EPF-WAC-06100	M-6 x 100	26,79	42	200	800
EPF-WAC-06110	M-6 x 110	29,77	52	200	800
EPF-WAC-06120	M-6 x 120	31,41	62	100	600
EPF-WAC-06130	M-6 x 130	31,52	72	100	600
EPF-WAC-06140	M-6 x 140	39,16	82	100	600
EPF-WAC-06150	M-6 x 150	43,60	92	100	600
EPF-WAC-06160	M-6 x 160	46,14	102	100	400
EPF-WAC-06170	M-6 x 170	62,34	112	100	400
EPF-WAC-06180	M-6 x 180	64,79	122	100	300
EPF-WAC-08050	M-8 x 50	29,80	5	100	800
EPF-WAC-08060	M-8 x 60	32,70	5	100	800
EPF-WAC-08065	M-8 x 65	34,42	-	100	600
EPF-WAC-08075	M-8 x 75	34,57	5	100	600
EPF-WAC-08090	M-8 x 90	37,47	20	100	600
EPF-WAC-08115	M-8 x 115	45,97	45	100	400
EPF-WAC-08120	M-8 x 120	45,50	50	100	400
EPF-WAC-08130	M-8 x 130	50,56	60	100	400
EPF-WAC-08155	M-8 x 155	60,63	85	100	200
EPF-WAC-10065	M-10 x 65	42,65	-	100	400
EPF-WAC-10070	M-10 x 70	44,83	5	100	400
EPF-WAC-10080	M-10 x 80	47,85	-	100	400
EPF-WAC-10090	M-10 x 90	50,40	10	100	400
EPF-WAC-10100	M-10 x 100	54,12	20	100	400
EPF-WAC-10120	M-10 x 120	59,90	40	50	300
EPF-WAC-10140	M-10 x 140	69,25	60	50	200
EPF-WAC-10150	M-10 x 150	77,90	70	50	200
EPF-WAC-10160	M-10 x 160	88,68	80	50	200

● suitable applications

● partially suitable applications

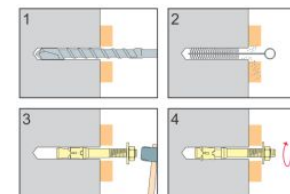
▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-WHD

Heavy duty through anchor

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- solid stone

Assembled
stainless steel A4

Code	Dimension Ø x L	Thread length	Fixing thickness	Box q.ty	Pkg.
EPF-WHD-06065 ⁽²⁾	M6x65	40	15	100	1000
EPF-WHD-06085 ⁽²⁾	M6x85	60	35	100	1000
EPF-WHD-08050 ⁽¹⁾⁽²⁾	M8x50	23	5	100	1000
EPF-WHD-08065	M8x65	38	7	100	800
EPF-WHD-08075	M8x75	48	15	100	800
EPF-WHD-08090	M8x90	63	30	100	500
EPF-WHD-08115	M8x115	83	55	100	500
EPF-WHD-08135	M8x135	88	75	50	500
EPF-WHD-08165	M8x165	88	105	50	250
EPF-WHD-10060 ⁽¹⁾⁽²⁾	M10x60	28	5	50	500
EPF-WHD-10075	M10x75	43	5	50	500
EPF-WHD-10090	M10x90	55	20	50	400
EPF-WHD-10120	M10x120	85	50	50	250
EPF-WHD-12080 ⁽¹⁾⁽²⁾	M12x80	40	7	50	300
EPF-WHD-12100	M12x100	58	10	50	250
EPF-WHD-12110	M12x110	68	20	50	250
EPF-WHD-12135	M12x135	93	45	25	200
EPF-WHD-12160	M12x160	93	70	25	150
EPF-WHD-12185	M12x185	93	100	25	150
EPF-WHD-16110 ⁽¹⁾⁽²⁾	M16x110	53	15	20	100
EPF-WHD-16125	M16x125	68	10	20	100
EPF-WHD-16145	M16x145	88	30	20	100
EPF-WHD-16175	M16x175	88	60	20	80

⁽¹⁾ Anchors with reduced embedment depths⁽²⁾ Sizes not covered by CE certification

● suitable applications

● partially suitable applications

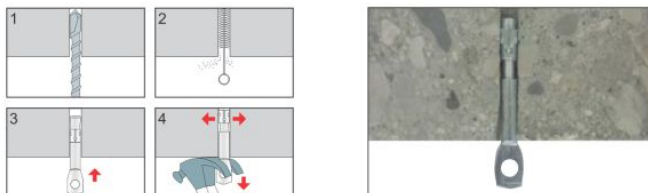
▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-TWA

Anchor for suspended ceiling

- concrete
- solid brick
- solid stone



White zinc plated



Code	Anchor Size	Drill Dia	Eye Size	Min Embedment	Pull Out Load (kgs)
EPF-TWA-060	M6 x 60L	6.0	6.3	35	480
EPF-TWA-220	1/4x2-1/4L	1/4	9/32	1-1/8	550
EPF-TWA-203	1/4x2-1/32L	1/4	9/32	1-1/8	550
EPF-TWA-210	1/4x2-1/8L	1/4	9/32	1-1/8	550
EPF-TWA-230	1/4x2-1/4	1/4	9/32	1-1/8	550

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

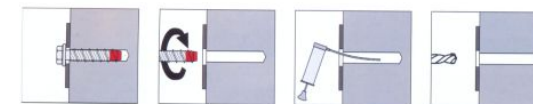
EPF-TMA

Concrete screw

- Base Material
- concrete
 - natural stone

Applications

- formwork
- steel constructions
- protections
- handrails
- temporary constructions



Item	Art. No.	Drill Dia	Anchor Length	Wrench Size	Box Qty	Carton Qty
EPF-TMA 14 x 80	54151	14	80	21	30	120
EPF-TMA 14 x 100	54152	14	80	21	20	80
EPF-TMA 14 x 115	54153	14	115	21	20	80
EPF-TMA 14 x 135	54154	14	135	21	15	60
EPF-TMA 14 x 180	54155	14	160	21	10	40
EPF-TMA 14 x 200	54156	14	200	21	10	40

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-SA

Heavy duty sleeve anchor

- concrete
- solid brick
- solid stone
- carbon steel & stainless steel.
preassembled for quick and easy installation,
can be used in thin sections of concrete or solid.
- head styles for every application.
the test values listed were obtained
using 200-250kg/cm² concrete (on aggregate).
a safe working load should not exceed
25% of stated values.



Code	Dimension Ø x L	Thread length	Qty. Per Box/Ctn	Weight kgs per. 100pcs	Pull Out Load (kgs)
EPF-SA-65018	M6.5 x 18	3mm	100/1000	7.0	200
EPF-SA-65036	M6.5 x 36	8	100/1000	9.9	500
EPF-SA-65056	M6.5 x 56	28	100/1000	13.6	600
EPF-SA-65075	M6.5 x 75	47	50/500	17.3	600
EPF-SA-65100	M6.5 x 100	72	50/500	22.0	600
EPF-SA-80025	M8 x 25	3	100/1000	14.5	300
EPF-SA-80040	M8 x 40	12	100/1000	17.6	800
EPF-SA-80065	M8 x 65	37	50/500	24.0	800
EPF-SA-80085	M8 x 85	57	50/500	31.0	800
EPF-SA-10040	M10 x 40	3	50/500	32.0	1300
EPF-SA-10050	M10 x 50	12	50/500	36.0	1300
EPF-SA-10060	M10 x 60	15	50/500	40.0	1300
EPF-SA-10077	M10 x 77	39	50/500	46.0	1300
EPF-SA-10097	M10 x 97	59	50/500	59.0	1300
EPF-SA-12060	M12 x 60	15	50/250	64.0	1800
EPF-SA-12075	M12 x 75	27	50/250	72.0	1800
EPF-SA-12099	M12 x 99	51	25/250	88.0	1800
EPF-SA-12129	M12 x 129	81	25/125	105.0	1800
EPF-SA-16065	M16 x 65	20	25/250	110.0	2400
EPF-SA-16111	M16 x 111	65	10/100	168.0	2400
EPF-SA-16147	M16 x 147	102	10/100	214.0	2400
EPF-SA-20075	M20 x 75	25	10/100	266.0	3200
EPF-SA-20107	M20 x 107	57	5/50	333.0	3200
EPF-SA-20151	M20 x 151	101	5/50	426.0	3200

● suitable applications

● partially suitable applications

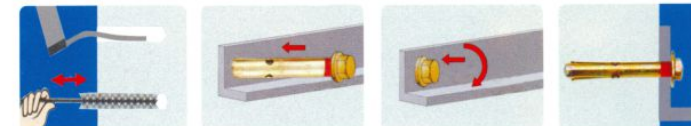
▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-SAB

Heavy duty sleeve anchor

- concrete
- solid stone



carbon steel.
the screws of the anchor have
been manufactured under the
DIN-933 standard and their
quality-hardness is
6.8 (i.e. 60 to 80 kg./mm).
the washer is wide which gives
a bigger allowance for pieces or
structures to be fastened.
while performing the fixing of the anchor, the plastic part or ring gets deformed which fills and blocks
the hole of the piece or structure to be fastened; this plastic absorbs material irregularities and in
addition it is a useful damp-proof piece to protect the inner mechanism of the anchor.
any screw head available as your requirement.
the cone has some grooves (milling) in order to prevent the anchor from loose or
spin movement after fixing into the hole and ready to expansion.



Screw (HT)



Bolt Projecting (HE)



Eye (HA)



Hook (HG)

Code	Dimension Ø x L	Drill Diameter	Minimum hole depth	Max fixture thickness	Length pipe	Pull Out Load (kgs)
EPF-SAB-08C	M6 x 45	8	43	2	30	500
EPF-SAB-08L	M6 x 60	8	43	15	45	500
EPF-SAB-10C	M8 x 60	10	55	5	41	800
EPF-SAB-10L	M8 x 80	10	55	15	62	800
EPF-SAB-12C	M10 x 70	12	70	2	48	1200
EPF-SAB-12L	M10 x 100	12	70	25	75	1200
EPF-SAB-16C	M12 x 80	16	80	2	55	2400
EPF-SAB-16L	M12 x 110	16	80	25	87	2400
EPF-SAB-20C	M16 x 110	20	90	15	82	3600
EPF-SAB-25C	M20 x 130	25	105	25	100	4800
EPF-SAB-08C	M6 x 45	8	43	2	30	500
EPF-SAB-10C	M8 x 60	10	55	5	41	800
EPF-SAB-10L	M8 x 80	10	55	25	62	800
EPF-SAB-12C	M10 x 70	12	70	2	48	1200
EPF-SAB-12L	M10 x 100	12	70	25	75	1200
EPF-SAB-08C	M6 x 45	8	43	2	30	80
EPF-SAB-10C	M8 x 60	10	55	5	41	150
EPF-SAB-12C	M10 x 70	12	70	2	48	300
EPF-SAB-16C	M12 x 80	16	80	2	55	600
EPF-SAB-08C	M6 x 45	8	43	5	30	80
EPF-SAB-10C	M8 x 60	10	55	6	41	150
EPF-SAB-12C	M10 x 70	12	70	10	48	300
EPF-SAB-16C	M12 x 80	16	80	20	55	600

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

EPF-SAC

HEAVY DUTY SLEEVE ANCHOR WITH ANTI-SPIN



Certified for use in seismic areas

Universal metallic anchor works correctly also on hollow base materials.

SAFE SHELL BODY

Through anchor steel body.
greater shear resistance.
greater stability of fixed piece.

CORRECT INSTALLATION

Reduced edge and spacing
distances than those of other
anchors in its field.

EXCLUSIVE CONE CONTAINING SYSTEM

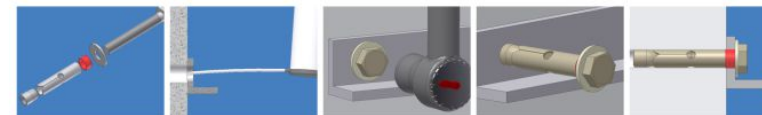
No risk of cone detachment even in
demanding applications. Guaranteed
antirotation also in presense of dust.



EPF-SAC

Heavy duty sleeve anchor with anti-spin

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- solid stone
- wood



carbon steel & stainless steel.
preassembled for quick and easy
installation, can used in thin
sections of concrete of solid masonry.
head styles for every application.
the test values listed were obtained
using 200-250kg/cm² concrete
(on aggregate).
a safe working load should not
exceed 25% of stated values.

Code	Dimension Ø x L	Thread length Longueur filet	Qty Per Box/Ctn	Weight kgs per. 100pcs	Pull Out Load (kgs)
EPF-SAC-08C	M6 x 45	8mm	200	21,13	1,200
EPF-SAC-08L	M6 x 60	8	200	23,80	800
EPF-SAC-09C	M6 x 45	9	200	23,77	800
EPF-SAC-09L	M6 x 60	9	200	27,00	800
EPF-SAC-10C	M8 x 60	10	100	34,20	600
EPF-SAC-10L	M8 x 60	10	100	40,07	400
EPF-SAC-11C	M8 x 60	11	100	37,60	400
EPF-SAC-11L	M8 x 80	11	100	44,23	400
EPF-SAC-12C	M10 x 70	12	100	54,00	200
EPF-SAC-12L	M10 x 100	12	50	68,40	200
EPF-SAC-14C	M10 x 70	14	100	63,90	200
EPF-SAC-14L	M10 x 100	14	50	79,67	200
EPF-SAC-16C	M12 x 80	16	50	104,43	200
EPF-SAC-16L	M12 x 110	16	50	127,53	100
EPF-SAC-20C	M16 x 110	20	25	219,10	50
EPF-SAC-25C	M20 x 130	25	15	608,77	50

● suitable applications

○ partially suitable applications

▲ Quantity and delivery terms to be agreed



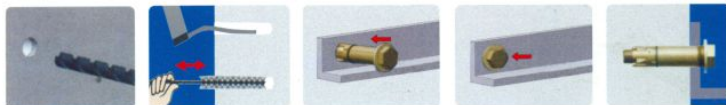
METALLIC HEAVY DUTY FIXINGS

EPF-HAS

Heavy duty shell anchor

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- solid stone

heavy duty shell anchor 4 pcs shells made of steel pressed used to dirt & moisture is appreciated high retaining power & can be removed easily, when tightening the nut or screw the section is pulled into the anchor shells expanding it & wedging it inside the anchor base.



Code	Anchor Size	Anchor Length (mm)	Drill Dia (mm)	Drill Depth Min (mm)	Setting Depth Min (mm)	Torque	Qty Per Box/Ctn	Pull Out Load (kgs)
EPF-HAS-06	M6(1/4")	45	12.0	50.0	45.0	49	50/200	1000
EPF-HAS-08	M8(5/16")	55	14.0	60.0	55.0	120	50/1000	1200
EPF-HAS-10	M10(3/8")	60	16.0	65.0	60.0	240	25/500	1600
EPF-HAS-12	M12(1/2")	75	20.0	85.0	75.0	390	25/300	2500
EPF-HAS-16	M16(5/8")	115	25.0	125.0	115.0	980	15/150	3300
EPF-HAS-20	M20(3/4")	130	32.0	140.0	130.0	1950	9/108	4800



Screw Type S



Screw Type B



Screw Type O



Screw Type c

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-DA

HEAVY DUTY DROP IN ANCHOR



Certified for use in seismic areas



Perfect expansion and specially designed built in plug ensures full expansion of anchor.



SINGLE SHELL BODY

The only through anchor composed of steel monolithic body. Greater shear resistance. Greater stability of fixed piece.



EXCLUSIVE CONTAINING SYSTEM

No risk of cone detachment even in demanding applications. Guaranteed antirotation also in presence of dust.



METALLIC HEAVY DUTY FIXINGS

EPF-DA

Heavy duty drop in anchor

- concrete
- solid brick
- solid stone



carbon steel & stainless steel.
perfect expansion and specially designed built
in plug ensures full expansion of anchor.
the test values listed were obtained using
200-250kgs/cm² concrete (on aggregate).
a safe working load should not exceed 25%
of stated values.



Code	Thread Size (A)	Anchor O. Dig. (B)	Thread Depth (D)	Anchor Length (C)	Pull Out Load (kgs)	Qty-per Box/Ctn	Weight kgs per 1000 pcs	Number Setting Tool
EPF-DA-20a	1/4-20	3/8"	1/2"	1"	1000	100/2000	11.0	DIT-14
EPF-DA-30a	3/8-16	1/2"	5/8"	1-9/16"	2000	50/1000	28.0	DIT-38
EPF-DA-40a	1/2-13	5/8"	3/4"	2"	2900	50/500	54.0	DIT-12
EPF-DA-50a	5/8-11	7/8"	7/8"	2-1/2"	5400	25/200	141.0	DIT-58
EPF-DA-60a	3/4-10	1"	1-1/4"	3-1/8"	5900	25/150	227.0	DIT-34
EPF-DA-06a	M6	8.0	10.0	25	950	100/2000	6.3	DMT-06
EPF-DA-20b	(W1/4)							
EPF-DA-08a	M8	10.0	14.0	30	1350	100/2000	12.5	DMT-08
EPF-DA-25a	(W5/16)							
EPF-DA-10a	M10	12.0	15.0	40	1950	50/1000	25.0	DMT-10
EPF-DA-30b	(W3/8)							
EPF-DA-12a	M12	16.0	20	50	2900	50/500	51.0	DMT-12
EPF-DA-40b	W1/2)							
EPF-DA-16a	M16	20.2	25	65	4850	25/200	112.0	DMT-16
EPF-DA-50b	(W5/8)							
EPF-DA-20b	M20	25.0	35	80	5900	25/150	235.0	DMT-20
EPF-DA-60b	(W3/4)							

● suitable applications

● partially suitable applications

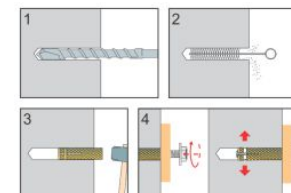
▲ Quantity and delivery terms to be agreed

SPECIAL FIXINGS

EPF-BDA

Brass anchor

- concrete
- solid brick
- solid stone
- wood



Brass anchor with knurling

Code	Type d x L	Box q.ty
EPF-BDA-04000	M4x15	200
EPF-BDA-05000	M5x20	200
EPF-BDA-06000	M6x23	200
EPF-BDA-08000	M8x28	100
EPF-BDA-10000	M10x32	100
EPF-BDA-12000	M12x38	100
EPF-BDA-14000	M14x42	50

To fix wooden columns of banisters, see studscrews page 228 and 229

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-CA

Heavy duty cut anchor

- concrete
- solid brick
- solid stone



carbon steel cut anchor is an improved expansion anchor with internal thread and a plug and is the most popular anchor. anchor can be installed with hex bolt, stud and hookbolt etc. after installation concrete will not be effected in appearance as a rise on the surface. the test values listed were obtained using 200-250kgs/cm² concrete (on aggregate). a safe working load should not exceed 25% of stated values.



Code	Anchor Size (A)	Anchor Dia. (B)	Anchor Length (C)	Thread Length (D)	Bolt Thread Fit Length	Drill Dia	Pull Out Load (kgs)
EPF-CA-06	M6	11(10.05)	30	9	8	11.5	980
EPF-CA-20a	(W1/4)						
EPF-CA-08	M8	12.0	35	12	10	12.5	1500
EPF-CA-25	(W5/16)						
EPF-CA-10	M10	14.0	40	14	12	14.5	2000
EPF-CA-30	(W3/8)						
EPF-CA-12	M12	17.5	52	20	16	18	3200
EPF-CA-40	(W1/2)						
EPF-CA-16	M16	21.5	63	24	20	22	4300
EPF-CA-50	(W5/8)						
EPF-CA-20b	M20	25.5	83	31	25	26	5600
Code	Anchor Size (mm)		Anchor Length		Drill Dia		Pull Out Load (kgs)
EPF-CA-10	10.0		40,45,50,55,60		10.5		1650
EPF-CA-12	12.0		40,45,50,55,60		12.5		2450

● suitable applications

● partially suitable applications

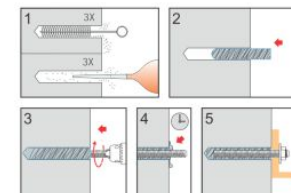
▲ Quantity and delivery terms to be agreed

CHEMICAL FIXINGS

EPF-CLP

Chemical fixing vinylster

- concrete
- solid brick
- solid stone



Code	Per bar	Hole	Hole depth	Box q.ty
EPF-CLP-08	M8	10	80	10
EPF-CLP-10	M10	12	90	10
EPF-CLP-12	M12	14	110	10
EPF-CLP-16	M16	18	125	10
EPF-CLP-20	M20	24	170	6
EPF-CLP-24	M24	28	210	6
EPF-CLP-30	M30	35	270	2

● suitable applications

● partially suitable applications

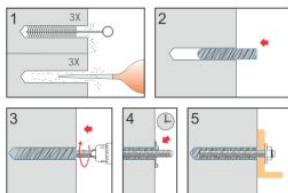
▲ Quantity and delivery terms to be agreed

CHEMICAL FIXINGS

● EPF-TR

Chemical fixing anchor

- concrete
- solid brick
- solid stone



Code	Clamping Range mm	Steel Galvanized Art No.	Steel Hot Dip Galvanized Art No.	Stainless steel Art No.	Qty.
EPF-TR M8 x 110	13	701 08 110	703 08 110	704 08 110	10/200
EPF-TR M8 x 190	93			704 08 190	10/200
EPF-TR M10 x 130	20	701 10 130	703 10 130	704 10 130	10/200
EPF-TR M10 x 165	57	701 10 165		704 10 165	10/200
EPF-TR M10 x 190	82	701 10 190		704 10 190	10/100
EPF-TR M12 x 160	25	701 12 160	703 12 160	704 12 160	10/100
EPF-TR M12 x 180	45	701 12 180		704 12 180	10/100
EPF-TR M12 x 200	65	701 12 200			10/80
EPF-TR M12 x 220	90	701 12 220		704 12 220	10/100
EPF-TR M12 x 250	120	701 12 250		704 12 250	10/80
EPF-TR M12 x 300	170	701 12 300		704 12 300	10/60
EPF-TR M14 x 170	22	701 14 170		704 14 170	10/100
EPF-TR M16 x 165	13	701 16 165	703 16 165	704 16 165	10/50
EPF-TR M16 x 190	35	701 16 190	703 16 190	704 16 190	10/50
EPF-TR M16 x 230	75	701 16 230			10/40
EPF-TR M16 x 250	98	701 16 250		704 16 250	10/40
EPF-TR M16 x 300	148	701 16 300		704 16 300	10/40
EPF-TR M16 x 350	198	701 16 350			10
EPF-TR M20 x 220	30	701 20 220		704 20 220	5/30
EPF-TR M20 x 230	40	701 20 230			5/30
EPF-TR M20 x 260	70	701 20 260	703 20 260	704 20 260	5/30
EPF-TR M20 x 300	110	701 20 300			5/30
EPF-TR M24 x 300	65	701 24 300	703 24 300	704 24 300	5/25
EPF-TR M30 x 380	70	701 30 380		704 30 380	1

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

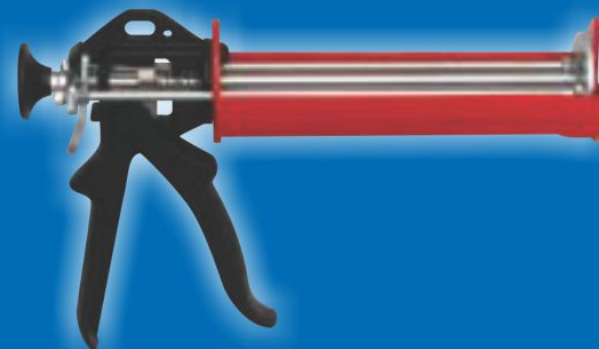


CHEMICAL FIXINGS

EPF-XY, VL, PL & MG



Certified for use in seismic areas



CHEMICAL FIXINGS

EPF-XY

Epoxy acrylate resin

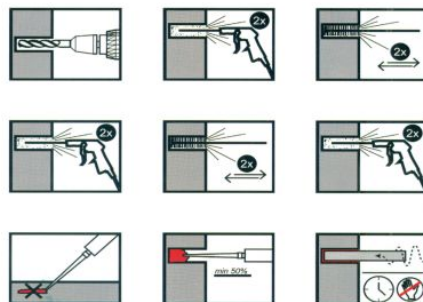


Base Material

- concrete
- natural stone
- hollow brick
- solid brick

Applications

- reinforcement
- steel constructions
- machines
- shelves
- handrails
- protections



Cartridge Temperature	Working Time (minute)	Base Material Temperature	Loading Time (minute)
+5 °C	18	+5 °C	120
+5, +10°C	12	+5, +10°C	120
+10, +20°C	6	+10, +20°C	80
+20, +25°C	4	+20, +25°C	40
+25, +30°C	3	+25, +30°C	30
+30, +35°C	2	+30, +35°C	20
+35, +40°C	1.5	+35, +40°C	15
+40°C	1.5	+40°C	10

Item	Art. No.	Cartridge Volume	Cartridge Type	Dispenser	Box Qty
PRO-900 380ml	63301	380 ml	Coaxial	EPF-XY 21, EPF-XY 22	12

Item	Art. No.	Cartridge Volume	Material
EPF-XY 21	66002	380 ml, 420 ml Coaxial	Metal
EPF-XY 22	66005	380 ml, 420 ml Coaxial	Plastic

Item	Art. No.	Cartridge
EPF-XY	66020	EVO 500, EVO 900

Item	Art. No.
EPF-XY 1	66020

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



CHEMICAL FIXINGS

EPF-VL

Epoxy acrylate resin

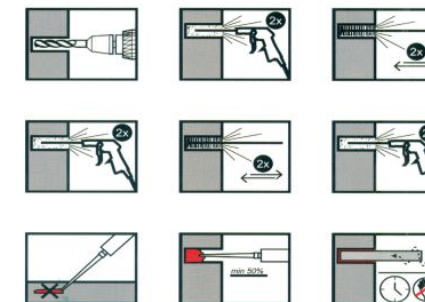


Base Material

- concrete
- natural stone
- hollow brick
- solid brick

Applications

- reinforcement
- steel constructions
- machines
- shelves
- handrails
- protections



Cartridge Temperature	Working Time (minute)	Base Material Temperature	Loading Time (minute)
+5, +10°C	10	+5, +10°C	145
+10, +15°C	8	+10, +15°C	85
+15, +20°C	6	+15, +20°C	75
+20, +25°C	5	+20, +25°C	50
+25, +30°C	4	+25, +30°C	40

Item	Art. No.	Cartridge Volume	Cartridge Type	Dispenser	Box Qty
PRO-200 410+10ml	64401	420 ml	Coaxial	EPF-VL 21, EPF-VL 22	12

Item	Art. No.	Cartridge Volume	Material
EPF-VL 21	66002	380 ml, 420 ml Coaxial	Metal
EPF-VL 22	66005	380 ml, 420 ml Coaxial	Plastic

Item	Art. No.	Cartridge
EPF-VL	66020	EVO 500, EVO 900, PRO 200

Item	Art. No.
EPF-VL 1	66010

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



CHEMICAL FIXINGS

EPF-PL

Polyester resin

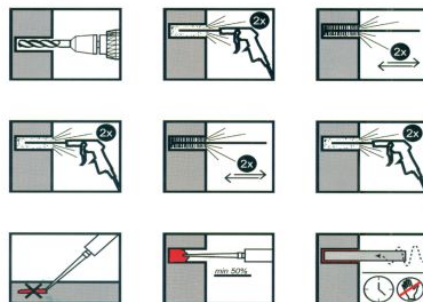


Base Material

- concrete
- natural stone
- hollow brick
- solid brick

Applications

- steel constructions
- machines
- shelves
- handrails
- protections



Cartridge Temperature	Working Time (minute)	Base Material Temperature	Loading Time (minute)
+5 °C	18	+5 °C	120
+5, +10°C	12	+5, +10°C	120
+10, +20°C	6	+10, +20°C	80
+20, +25°C	4	+20, +25°C	40
+25, +30°C	3	+25, +30°C	30
+30, +35°C	2	+30, +35°C	20
+35, +40°C	1.5	+35, +40°C	15
+40°C	1.5	+40°C	10

Item	Art. No.	Cartridge Volume	Cartridge Type	Dispenser	Box Qty
EVO-500 300ml	63203	300 ml	Silicon	EPF-PL 41	12
EVO-500 350ml	63201	350 ml	Side-by-side	EPF-PL 11, EPF-PL 12	
EVO-500 380ml	63202	380 ml	Coaxial	EPF-PL 21, EPF-PL 22	

Item	Art. No.	Cartridge Type	Material
EPF-PL 11	66001	350 ml, Side-by-Side	Metal
EPF-PL 12	66004	350 ml, Side-by-Side	Plastic
EPF-PL 21	66002	380 ml, 420 ml Coaxial	Metal
EPF-PL 22	66005	380 ml, 420 ml Coaxial	Plastic
EPF-PL 41	66006	300 ml, Silicon Type	Metal

Item	Art. No.	Cartridge
EPF-PL	66020	EVO 500, EVO 900, PRO 200

Item	Art. No.
EPF-PL 1	66010

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



CHEMICAL FIXINGS

EPF-MG

Injection gun for KEM-UP - KEM cartridges



Code	For cartridge	Bag q.ty
EPF-MG-499030	380 ml / 420 ml	1



Code	For cartridge	Bag q.ty
EPF-MG-499040	150 ml / 250 ml / 300 ml / 345 ml	1



Code	For cartridge	Bag q.ty
EPF-MG-499320	585 ml	1



Professional gun

Code	For cartridge	Bag q.ty
EPF-MG-499300	150 ml / 250 ml / 300 ml / 380 ml / 420 ml / 585 ml	1

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



CHEMICAL FIXINGS

EPF-GC

Polyester and epoxy grouts and mortars

a concise range of high performance speciality polymer system, developed for a wide range of application in construction, maintenance and repair markets.

- Highways
- Under plate grouting
- Anchoring
- Concrete repairs



● suitable applications

◐ partially suitable applications

▲ Quantity and delivery terms to be agreed

CHEMICAL FIXINGS

EPF-PS

Epoxy putty sticks

these epoxy putty sticks are only available on a customer own label basis. our aim is to supply quality innovative resin products which are labeled to your exact requirements.

- Contains no solvents
- Hand Kneadable
- Quick and easy to use
- Sets hard in minutes
- Repairs, rebuilds, restores
- Can be drilled, tapped, filed, screwed, sawn, sanded, painted and machined



● suitable applications

◐ partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-HDE

Heavy duty expansion anchor

- concrete
- solid brick
- honeycomb brick
- aerated concrete
- solid stone
- wood



preassembled for quick and easy installation
high holding power by tough expanding sleeve and
anchor sleeve can be used in heavy duty applications.
versatile and durable.
nut, dish spring washer and flat washer
are pre-assembled.
a safe working load should not exceed 25%
of stated value.



Code	Anchor Size	Anchor Dia.	Sleeve Length	Strength Grade of Bolt	Pull Out Load (kgs)
EPF-HDE-5001	M10 x 120	14.60	58	8.8	1600
EPF-HDE-5002	M10 x 130	14.60	58	8.8	1600
EPF-HDE-5003	M10 x 140	14.60	58	8.8	1600
EPF-HDE-5004	M10 x 150	14.60	58	8.8	1600
EPF-HDE-5005	M12 x 125	17.60	60	8.8	2500
EPF-HDE-5006	M12 x 135	17.60	60	8.8	2500
EPF-HDE-5007	M12 x 140	17.60	60	8.8	2500
EPF-HDE-5008	M12 x 150	17.60	60	8.8	2500
EPF-HDE-5009	M16 x 160	23.80	83	8.8	3300
EPF-HDE-5010	M16 x 175	23.80	83	8.8	3300
EPF-HDE-5011	M16 x 180	23.80	83	8.8	3300

● suitable applications

● partially suitable applications

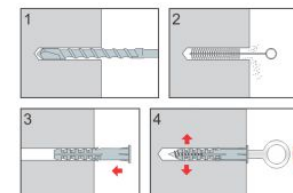
▲ Quantity and delivery terms to be agreed

SCAFFOLD FIXINGS

EPF-SF

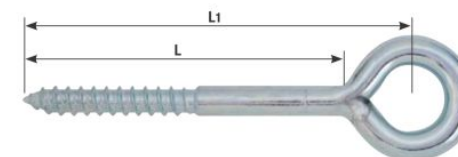
Scaffold fixing

- concrete
- solid brick
- honeycomb brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- solid stone



Rimmed nylon plug for eye

Code	Plug Ø x L	Box q.ty	Pkg.
EPF-SA-1014100	14x100	25	250

Welded eye Ø23
white zinc plated

Code	Dimension Ø x L	L1	Ø int. eye	Box q.ty	Pkg.
EPF-SA-12120	12x120	148	23	25	100
EPF-SA-12160	12x160	185	23	25	100
EPF-SA-12190	12x190	215	23	25	100
EPF-SA-12230	12x230	255	23	25	100
EPF-SA-12300	12x300	325	23	10	40
EPF-SA-12350	12x350	375	23	10	40

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

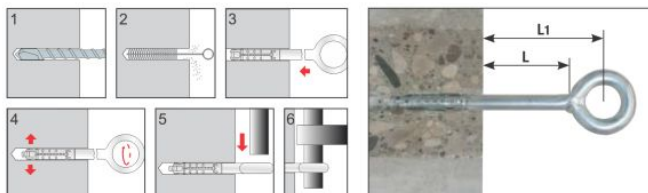
SCAFFOLD FIXINGS

EPF-SFF

Scaffold fixing

- concrete
- solid brick
- solid stone

Anchor certified /

Welded eye
white zinc plated

Code	L	Protrusion L1	Insertion depth	Ø int eye	Hole	Box q ty	Pkg
EPF-SFF-12065	42	65	60	23	Ø12x75	25	250
EPF-SFF-12105	82	105	60	23	Ø12x75	25	250

Replacement anchor: code 73300b12050, see page 30

● suitable applications

● partially suitable applications

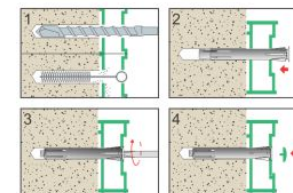
▲ Quantity and delivery terms to be agreed

LONG FIXINGS

EPF-MFA

Long metal sleeve frame anchor

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- solid stone

White zinc plated
cylindrical head screw
Pozidrive recess

Code	Plug Ø x L	Screw	Box q. ty	Pkg.
EPF-MFA-10070	10x72	M6	50	500
EPF-MFA-10092	10x92	M6	50	500
EPF-MFA-10112	10x112	M6	50	500
EPF-MFA-10132	10x132	M6	50	500
EPF-MFA-10152	10x152	M6	50	500
EPF-MFA-10182	10x182	M6	50	500

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

EPF-NF

HEAVY DUTY THROUGH ANCHOR FOR CRACKED CONCRETE



The high load through fixing for high fixing thicknesses.

TOP PERFORMANCES
Excellent pull-out resistance, due to the material used and the geometry.



CONTROLLED EXPANSION
Due to the special design of the internal profile and locating groove

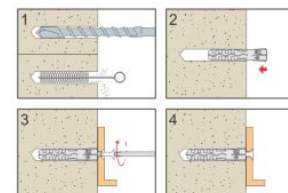


LIGHT FIXINGS

EPF-NF

Nylon rimless plug

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- solid stone



Code	Plug Ø x L	Per box Box q.ty	Pkg.	Per bag Box q.ty	Pkg.	Bulk Pkg.
EPF-NF-04020*	4x20	300	15000	1000	20000	30000
EPF-NF-05025	5x25	100	5000	1000	20000	15000
EPF-NF-06030	6x30	100	5000	1000	10000	10000
EPF-NF-07035*	7x35	150	7500			7000
EPF-NF-08040	8x40	100	5000	1000	5000	4000
EPF-NF-10050	10x50	50	2500	500	2500	2000
EPF-NF-10060	10x60	50	2500			1800
EPF-NF-12060*	12x60	25	1250	250	1500	1200
EPF-NF-14080*	14x80	20	1000			600
EPF-NF-16080*	16x80	15	750			500

* Former version until end of stock

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed



LIGHT FIXINGS

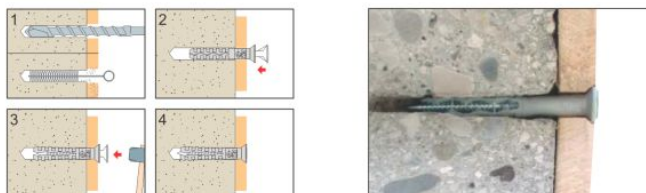
EPF-NFS

Countersunk preassembled nylon plug

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- solid stone



White zinc plated screw
PoziDrive recess
grey plug



Code	Plug Ø x L	Screw Ø x L	Box q.ty	Pkg.
EPF-NFS-05030*	5x30	3,4x35	300	3000
EPF-NFS-05040*	5x40	3,4x45	200	2000
EPF-NFS-05050*	5x50	3,4x55	200	2000
EPF-NFS-06040	6x40	3,8x45	200	2000
EPF-NFS-06050	6x50	3,8x55	100	1000
EPF-NFS-06060	6x60	3,8x65	100	1000
EPF-NFS-06080	6x80	3,8x85	100	1000
EPF-NFS-08160	8x60	4,8x65	150	1500
EPF-NFS-08080	8x80	4,8x85	150	1500
EPF-NFS-08100	8x100	4,8x105	100	1000
EPF-NFS-08120	8x120	4,8x125	100	1000
EPF-NFS-08140	8x140	4,8x145	100	1000
EPF-NFS-10080*	10x80	7x85	100	1000
EPF-NFS-10100*	10x100	7x105	100	1000
EPF-NFS-10135*	10x135	7x140	50	500
EPF-NFS-10160*	10x160	7x165	50	500

* Sizes not covered by CE certification

● suitable applications

● partially suitable applications

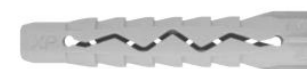
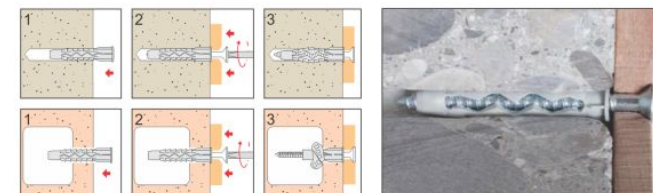
▲ Quantity and delivery terms to be agreed

LIGHT FIXINGS

EPF-EXP

Nylon plug for hollow base materials and plasterboard

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- plasterboard
- panels and sheets
- solid stone



Code	Plug Ø x L	Box q.ty	Pkg.	Box q.ty	Pkg.	Pkg.
EPF-EXP-06033	6x33	200	2000	1000	10000	10000
EPF-EXP-06045	6x45	200	2000	1000	10000	10000
EPF-EXP-08052	8x52	100	1000	500	5000	4000
EPF-EXP-10065	10x65	50	500	250	2500	1000

● suitable applications

● partially suitable applications

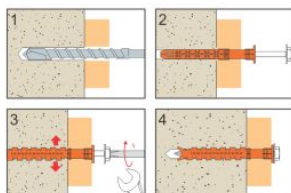
▲ Quantity and delivery terms to be agreed

LONG FIXINGS

● EPF-EXF

Multi-expansion long plug - high load values

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- aerated concrete
- solid stone



Code	Plug Ø x L	Screw Ø x L	Fixing thickness max	Box q.ty	Pkg.
EPF-EXF-10085 ▲	10x85	7x90	15	50	500
EPF-EXF-10100 ▲	10x100	7x105	30	50	500
EPF-EXF-10115 ▲	10x115	7x120	45	50	500
EPF-EXF-10135 ▲	10x135	7x140	65	50	400
EPF-EXF-10160 ▲	10x160	7x165	90	50	200

● suitable applications

● partially suitable applications

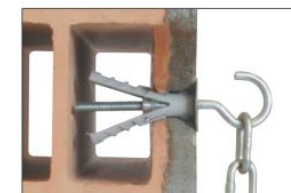
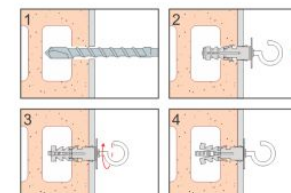
▲ Quantity and delivery terms to be agreed

LIGHT FIXINGS

● EPF-XF

Nylon plug with eye white zinc plated metal washer

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- plasterboard
- panels and sheets
- solid stone



Code	Plug Ø x L	Eye	Box q.ty	Pkg.
EPF-XF-09040	9x40	M4	100	1000
EPF-XF-12046	12x46	M5	100	1000

● suitable applications

● partially suitable applications

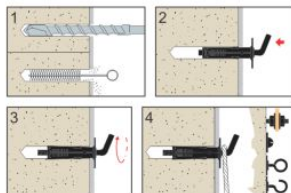
▲ Quantity and delivery terms to be agreed

LIGHT FIXINGS

● EPF-XM

Metallic anchor with eye white zinc plated

- concrete
- solid brick
- honeycomb brick
- cell like clay brick
- light weight honeycomb brick
- hollow dense aggregate block
- hollow light aggregate block
- solid stone



Eye white zinc plated



Code	Plug Ø x L	Eye	Box q.ty	Pkg.
EPF-XM-08040	8x40	M4	100	1000
EPF-XM-09040	9x40	M5	100	1000

● suitable applications

● partially suitable applications

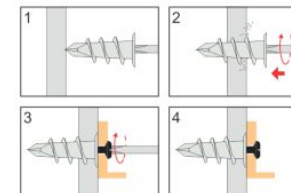
▲ Quantity and delivery terms to be agreed

PLASTERBOARD FIXINGS

● EPF-SNP

Self drilling nylon plug for plasterboard

- plasterboard



Code	Plug Ø x L	For screw Ø	Box q.ty
EPF-SNP-5033	15x33	3,5 ÷ 4,5	100

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

FIXINGS FOR INSULATING MATERIALS

EPF-NI

Nail - in insulation anchor

- concrete
- solid brick
- solid stone



Code	Drill bit diameter	Hole depth	Anchor length	Thickness fastened - max	Minimum order quantity
EPF-NI-0378160	8 mm	40-80 mm	70 mm	20 mm	250 pcs
EPF-NI-0378161	8 mm	40-80 mm	90 mm	60 mm	250 pcs
EPF-NI-0378162	8 mm	40-80 mm	110 mm	80 mm	200 pcs
EPF-NI-0378163	8 mm	40-80 mm	130 mm	100 mm	200 pcs
EPF-NI-0378164	8 mm	40-80 mm	150 mm	120 mm	150 pcs
EPF-NI-0378165	8 mm	40-80 mm	170 mm	140 mm	150 pcs
EPF-NI-0378166	8 mm	40-80 mm	190 mm	160 mm	100 pcs
EPF-NI-0378167	8 mm	40-80 mm	210 mm	180 mm	100 pcs
EPF-NI-2022694	8 mm	40-80 mm	230 mm	200 mm	100 pcs
EPF-NI-2022695	8 mm	40-80 mm	250 mm	220mm	100 pcs

● suitable applications ◐ partially suitable applications ▲ Quantity and delivery terms to be agreed



FIXINGS FOR INSULATING MATERIALS

EPF-IF

Insulation fastener

- concrete
- solid brick
- solid stone



Code	Drill bit diameter	Hole depth	Anchor length	Thickness fastened - max	Minimum order quantity
EPF-IF-0332105	8 mm	40-60 mm	50 mm	20 mm	250 pcs
EPF-IF-0332106	8 mm	40-60 mm	70 mm	40 mm	250 pcs
EPF-IF-0332107	8 mm	40-60 mm	90 mm	60 mm	250 pcs
EPF-IF-0332108	8 mm	40-60 mm	110 mm	80 mm	250 pcs
EPF-IF-0332109	8 mm	40-60 mm	130 mm	100 mm	250 pcs
EPF-IF-0332110	8 mm	40-60 mm	150 mm	120 mm	250 pcs
EPF-IF-0332111	8 mm	40-70 mm	180 mm	150 mm	250 pcs

Technical data	0/3	3/6	6/9	9/12	12/15
d ₀ Nominal drill bit diameter	mm 8	8	8	8	8
h ₁ Min. hole depth	mm 55	55	55	55	55
t ₀ Max. fastenable thickness	mm 30	60	90	120	150
l Fastener length	mm 80	110	140	170	200

● suitable applications ◐ partially suitable applications ▲ Quantity and delivery terms to be agreed

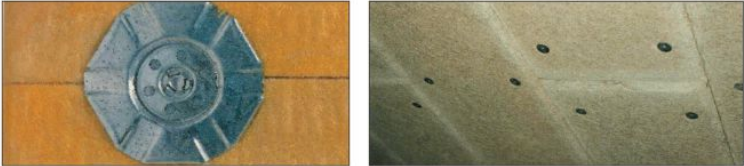


FIXINGS FOR INSULATING MATERIALS

EPF-MIF

Metal Insulation fastener

- concrete
- solid brick
- hollow brick



Ordering Material: Sheet steel, sendzimir zinc plated to approx. 16µm

Code	Drill bit diameter	Hole depth	Anchor length	Thickness fastened - max	Minimum order quantity
EPF-MIF-65752	8 mm	55 mm	80 mm	30 mm	250 pcs
EPF-MIF-65753	8 mm	60 mm	110 mm	60 mm	250 pcs
EPF-MIF-65754	8 mm	60 mm	140 mm	90 mm	250 pcs
EPF-MIF-65725	8 mm	60 mm	170 mm	120 mm	150 pcs
EPF-MIF-45358	8 mm	60 mm	200 mm	150 mm	150 pcs



Ordering Material: Stainless steel sheet 1.4301

Code	Drill bit diameter	Anchor length	Thickness fastened - max	Minimum order quantity
EPF-MIF-65786	8 mm	80 mm	30 mm	250 pcs
EPF-MIF-65787	8 mm	110 mm	60 mm	250 pcs
EPF-MIF-65788	8 mm	140 mm	90 mm	250 pcs

● suitable applications ● partially suitable applications ▲ Quantity and delivery terms to be agreed

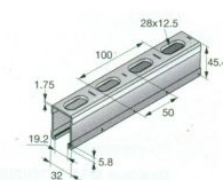
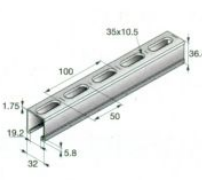
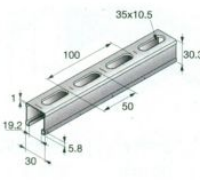
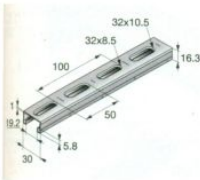


FIXINGS FOR INSULATING MATERIALS

EPF-ICF

Insulation channel

- applications
- Light and medium-duty pipe support systems
 - Fastening ventilation ducts and cable trays
- advantages
- c-profile with serrated edges
 - reinforced slots for greater versatility
 - dimension marks assist installation
 - modular channel system



Code	Hight H	Length L	Thickness	Weight per m length	Sales Quantity
EPF-ICF-418748	16 mm	2 mm	1 mm	565 g	16 pcs
EPF-ICF-2038061	16 mm	3 mm	1 mm	565 g	18 pcs
EPF-ICF-418776	30 mm	3 mm	1 mm	779 g	18 pcs
EPF-ICF-2038062	30 mm	3 mm	1 mm	779 g	18 pcs
EPF-ICF-418751	36 mm	3 mm	1.75 mm	1.29 kg	18 pcs
EPF-ICF-2048104	45 mm	3 mm	1.75 mm	1.88 kg	18 pcs

Technical data	MM-C
Material composition	S250GD as per DIN EN
Surface finish	Sendzimir galvaniz

● suitable applications ● partially suitable applications ▲ Quantity and delivery terms to be agreed



FIXINGS FOR INSULATING MATERIALS

EPF-IBF

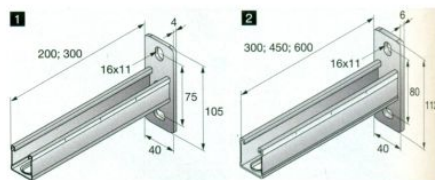
Bracket

fields of applications

- installation of pipe support, air ducts and cable trays

advantages

- serrated c-section
- reinforced slots for greater versatility and rigidity
- matched to anchor loading capacity
- dimension marks assist installation



Code	Hight H	Length L	Weight per m length	Sales Quantity
EPF-IBF-418752	30 mm	200 mm	278 g	10 pcs
EPF-IBF-418753	30 mm	300 mm	356 g	10 pcs
EPF-IBF-418754	36 mm	300 mm	585 g	10 pcs
EPF-IBF-418755	36 mm	450 mm	778 g	10 pcs
EPF-IBF-418756	36 mm	600 mm	971 g	10 pcs

Technical data	MM-B
Material composition	Material channel: S235 JR
Surface finish	as per DIN EN 10025-2
	Material plate: S355 MC
	as per DIN EN 10149-2
	Galvanized

● suitable applications

◐ partially suitable applications

▲ Quantity and delivery terms to be agreed

FIXINGS FOR INSULATING MATERIALS

EPF-KBN

Drive pin

● concrete



Code	Hight H	Length L	Product	Sales Quantity
EPF-KBN-8022	3.7 mm	22 mm	8 x 22	100
EPF-KBN-8027	3.7 mm	27 mm	8 x 27	100
EPF-KBN-8032	3.7 mm	32 mm	8 x 32	100
EPF-KBN-8037	3.7 mm	37 mm	8 x 37	100
EPF-KBN-8042	3.7 mm	42 mm	8 x 42	100
EPF-KBN-8047	3.7 mm	47 mm	8 x 47	100
EPF-KBN-8052	3.7 mm	52 mm	8 x 52	100
EPF-KBN-8057	3.7 mm	57 mm	8 x 57	100
EPF-KBN-8062	3.7 mm	62 mm	8 x 62	100
EPF-KBN-8067	3.7 mm	67 mm	8 x 67	100
EPF-KBN-8072	3.7 mm	72 mm	8 x 72	100

● suitable applications

◐ partially suitable applications

▲ Quantity and delivery terms to be agreed

FIXINGS FOR INSULATING MATERIALS

EPF-KBN-M

Nails in magazine

● concrete



Code	Hight H	Length L	Product	Sales Quantity
EPF-KBN-M-8022	3.7 mm	22 mm	8 x 22	100
EPF-KBN-M-8027	3.7 mm	27 mm	8 x 27	100
EPF-KBN-M-8032	3.7 mm	32 mm	8 x 32	100
EPF-KBN-M-8037	3.7 mm	37 mm	8 x 37	100
EPF-KBN-M-8042	3.7 mm	42 mm	8 x 42	100
EPF-KBN-M-8047	3.7 mm	47 mm	8 x 47	100
EPF-KBN-M-8052	3.7 mm	52 mm	8 x 52	100
EPF-KBN-M-8057	3.7 mm	57 mm	8 x 57	100
EPF-KBN-M-8062	3.7 mm	62 mm	8 x 62	100
EPF-KBN-M-8067	3.7 mm	67 mm	8 x 67	100
EPF-KBN-M-8072	3.7 mm	72 mm	8 x 72	100

● suitable applications ◐ partially suitable applications ▲ Quantity and delivery terms to be agreed



FIXINGS FOR INSULATING MATERIALS

EPF-CSC

Caliber strip, cartridges



Code	Name	Ladung	Product	Sales Quantity
EPF-CSC-910000	cartridge green	weak	csc-gr	100
EPF-CSC-920000	cartridge yellow	middle	csc-ge	100
EPF-CSC-930000	cartridge red	strong	csc-r	100

● suitable applications ◐ partially suitable applications ▲ Quantity and delivery terms to be agreed



STEEL SELF DRILLING SCREW

EPF-DSF

Self drilling screw - DIN 7504 N

Material: cemented steel

Coating: white zinc plated

Head: pan head

Recess: phillips

Pitch: DIN 7970

Use: metal purlins: 0.7-5.25mm

Drilling speed: 2000 r.p.m



Code	Screw Ø x L	Sheet thickness	Recess	Box q.ty	Pkg.
EPF-DSF-35009	3,5x9,5	0,7÷2,25	Phillips 2	500	16000
EPF-DSF-35013	3,5x13	0,7÷2,25	Phillips 2	500	16000
EPF-DSF-35016	3,5x16	0,7÷2,25	Phillips 2	500	16000
EPF-DSF-35019	3,5x19	0,7÷2,25	Phillips 2	500	16000
EPF-DSF-35022	3,5x22	0,7÷2,25	Phillips 2	500	16000
EPF-DSF-35025	3,5x25	0,7÷2,25	Phillips 2	500	8000
EPF-DSF-35032	3,5x32	0,7÷2,25	Phillips 2	500	6000
EPF-DSF-35038	3,5x38	0,7÷2,25	Phillips 2	200	6400
EPF-DSF-39009	3,9x9,5	0,7÷2,4	Phillips 2	500	16000
EPF-DSF-39013	3,9x13	0,7÷2,4	Phillips 2	500	16000
EPF-DSF-39016	3,9x16	0,7÷2,4	Phillips 2	500	16000
EPF-DSF-39019	3,9x19	0,7÷2,4	Phillips 2	500	8000
EPF-DSF-39022	3,9x22	0,7÷2,4	Phillips 2	500	16000
EPF-DSF-39025	3,9x25	0,7÷2,4	Phillips 2	500	6000
EPF-DSF-39032	3,9x32	0,7÷2,4	Phillips 2	500	6000
EPF-DSF-39038	3,9x38	0,7÷2,4	Phillips 2	200	6400
EPF-DSF-42013	4,2x13	1,75÷3	Phillips 2	500	8000
EPF-DSF-42016	4,2x16	1,75÷3	Phillips 2	500	8000
EPF-DSF-42019	4,2x19	1,75÷3	Phillips 2	500	6000
EPF-DSF-42022	4,2x22	1,75÷3	Phillips 2	500	6000
EPF-DSF-42025	4,2x25	1,75÷3	Phillips 2	500	6000
EPF-DSF-42032	4,2x32	1,75÷3	Phillips 2	500	6000
EPF-DSF-42038	4,2x38	1,75÷3	Phillips 2	200	3200
EPF-DSF-42045	4,2x45	1,75÷3	Phillips 2	200	2400
EPF-DSF-42050	4,2x50	1,75÷3	Phillips 2	200	2400
EPF-DSF-48013	4,8x13	1,75÷4,4	Phillips 2	500	6000
EPF-DSF-48016	4,8x16	1,75÷4,4	Phillips 2	500	6000
EPF-DSF-48019	4,8x19	1,75÷4,4	Phillips 2	500	6000
EPF-DSF-48022	4,8x22	1,75÷4,4	Phillips 2	500	4000
EPF-DSF-48025	4,8x25	1,75÷4,4	Phillips 2	500	4000
EPF-DSF-48032	4,8x32	1,75÷4,4	Phillips 2	200	3200
EPF-DSF-48038	4,8x38	1,75÷4,4	Phillips 2	200	2400
EPF-DSF-48045	4,8x45	1,75÷4,4	Phillips 2	200	2400
EPF-DSF-48050	4,8x50	1,75÷4,4	Phillips 2	200	2400
EPF-DSF-48060	4,8x60	1,75÷4,4	Phillips 2	100	1200
EPF-DSF-48070	4,8x70	1,75÷4,4	Phillips 2	100	1200
EPF-DSF-55025	5,5x25	1,75÷5,25	Phillips 3	200	2400
EPF-DSF-55032	5,5x32	1,75÷5,25	Phillips 3	200	2400
EPF-DSF-55038	5,5x38	1,75÷5,25	Phillips 3	200	1600
EPF-DSF-55045	5,5x45	1,75÷5,25	Phillips 3	200	1600
EPF-DSF-55050	5,5x50	1,75÷5,25	Phillips 3	200	1600
EPF-DSF-55060	5,5x60	1,75÷5,25	Phillips 3	100	800
EPF-DSF-55070	5,5x70	1,75÷5,25	Phillips 3	100	800

STEEL SELF DRILLING SCREW

EPF-DSC

Self drilling screw - DIN 7504 P

Material: cemented steel

Coating: white zinc plated

Head: countersunk head

Recess: phillips

Pitch: DIN 7970

Use: metal purlins: 0.7-5.25mm

Drilling speed: 2000 r.p.m



Code	Screw Ø x L	Sheet thickness	Recess	Box q.ty	Pkg.
EPF-DSC-35013	3,5x13	0,7÷2,25	Phillips 2	500	16000
EPF-DSC-35016	3,5x16	0,7÷2,25	Phillips 2	500	16000
EPF-DSC-35019	3,5x19	0,7÷2,25	Phillips 2	500	16000
EPF-DSC-35022	3,5x22	0,7÷2,25	Phillips 2	500	16000
EPF-DSC-35025	3,5x25	0,7÷2,25	Phillips 2	500	8000
EPF-DSC-35032	3,5x32	0,7÷2,25	Phillips 2	500	6000
EPF-DSC-35038	3,5x38	0,7÷2,25	Phillips 2	200	6400
EPF-DSC-39013	3,9x13	0,7÷2,4	Phillips 2	500	16000
EPF-DSC-39016	3,9x16	0,7÷2,4	Phillips 2	500	16000
EPF-DSC-39019	3,9x19	0,7÷2,4	Phillips 2	500	8000
EPF-DSC-39022	3,9x22	0,7÷2,4	Phillips 2	500	16000
EPF-DSC-39025	3,9x25	0,7÷2,4	Phillips 2	500	8000
EPF-DSC-39032	3,9x32	0,7÷2,4	Phillips 2	200	2400
EPF-DSC-39038	3,9x38	0,7÷2,4	Phillips 2	200	6400
EPF-DSC-42013	4,2x13	1,75÷3	Phillips 2	500	8000
EPF-DSC-42016	4,2x16	1,75÷3	Phillips 2	500	8000
EPF-DSC-42019	4,2x19	1,75÷3	Phillips 2	500	8000
EPF-DSC-42022	4,2x22	1,75÷3	Phillips 2	500	16000
EPF-DSC-42025	4,2x25	1,75÷3	Phillips 2	500	6000
EPF-DSC-42032	4,2x32	1,75÷3	Phillips 2	500	6000
EPF-DSC-42038	4,2x38	1,75÷3	Phillips 2	200	3200
EPF-DSC-42045	4,2x45	1,75÷3	Phillips 2	200	2400
EPF-DSC-42050	4,2x50	1,75÷3	Phillips 2	200	2400
EPF-DSC-48016	4,8x16	1,75÷4,4	Phillips 2	500	6000
EPF-DSC-48019	4,8x19	1,75÷4,4	Phillips 2	500	6000
EPF-DSC-48022	4,8x22	1,75÷4,4	Phillips 2	500	6000
EPF-DSC-48025	4,8x25	1,75÷4,4	Phillips 2	500	6000
EPF-DSC-48032	4,8x32	1,75÷4,4	Phillips 2	200	3200
EPF-DSC-48038	4,8x38	1,75÷4,4	Phillips 2	200	2400
EPF-DSC-48045	4,8x45	1,75÷4,4	Phillips 2	200	2400
EPF-DSC-48050	4,8x50	1,75÷4,4	Phillips 2	200	2400
EPF-DSC-48060	4,8x60	1,75÷4,4	Phillips 2	100	1200
EPF-DSC-48070	4,8x70	1,75÷4,4	Phillips 2	100	1200
EPF-DSC-55025	5,5x25	1,75÷5,25	Phillips 3	200	2400
EPF-DSC-55032	5,5x32	1,75÷5,25	Phillips 3	200	2400
EPF-DSC-55038	5,5x38	1,75÷5,25	Phillips 3	200	1600
EPF-DSC-55045	5,5x45	1,75÷5,25	Phillips 3	200	1600
EPF-DSC-55050	5,5x50	1,75÷5,25	Phillips 3	200	1600
EPF-DSC-55060	5,5x60	1,75÷5,25	Phillips 3	100	800
EPF-DSC-55070	5,5x70	1,75÷5,25	Phillips 3	100	800

STEEL SELF DRILLING SCREW

EPF-DSH

Self drilling screw - DIN 7504 K

Material: cemented steel

Coating: white zinc plated

Head: hex head with flat collar

Pitch: DIN 7970

Use: metal purlins: 1.75-5.25mm

Drilling speed: 2000 r.p.m

Washer: zinc plated



Screw only Code	With preassemb. washer Code	Screw Ø x L	Sheet thickness	Wrench	Box q.ty
EPF-DSH-04213		4,2x13	1,75÷3	7	500
EPF-DSH-04216		4,2x16	1,75÷3	7	500
EPF-DSH-04219		4,2x19	1,75÷3	7	500
EPF-DSH-04222		4,2x22	1,75÷3	7	500
EPF-DSH-04225		4,2x25	1,75÷3	7	500
EPF-DSH-04232		4,2x32	1,75÷3	7	500
EPF-DSH-04238		4,2x38	1,75÷3	7	200
EPF-DSH-04245		4,2x45	1,75÷3	7	200
EPF-DSH-04013	19601b04013	4,8x13	1,75÷4,4	8	200
EPF-DSH-04016	19601b04016	4,8x16	1,75÷4,4	8	200
EPF-DSH-04019	19601b04019	4,8x19	1,75÷4,4	8	200
EPF-DSH-04022	19601b04022	4,8x22	1,75÷4,4	8	200
EPF-DSH-04025	19601b04025	4,8x25	1,75÷4,4	8	200
EPF-DSH-04032	19601b04032	4,8x32	1,75÷4,4	8	200
EPF-DSH-04038	19601b04038	4,8x38	1,75÷4,4	8	200
EPF-DSH-04045	19601b04045	4,8x45	1,75÷4,4	8	200
EPF-DSH-05016	19601b05016	5,5x16	1,75÷5,25	8	200
EPF-DSH-05019	19601b05019	5,5x19	1,75÷5,25	8	200
EPF-DSH-05022	19601b05022	5,5x22	1,75÷5,25	8	200
EPF-DSH-05025	19601b05025	5,5x25	1,75÷5,25	8	200
EPF-DSH-05032	19601b05032	5,5x32	1,75÷5,25	8	200
EPF-DSH-05038	19601b05038	5,5x38	1,75÷5,25	8	200
EPF-DSH-05045	19601b05045	5,5x45	1,75÷5,25	8	200

STEEL SELF DRILLING SCREW

EPF-DSG

SELF DRILLING SCREW STAINLESS STEEL A4 BIMETAL

DRILLNOX

Installed in half
the time,
20 years rust
resistance

Selfdrilling screws



STAINLESS STEEL A4 BIMETAL SELF DRILLING SCREW

EPF-DSG

Self drilling screw - STAINLESS STEEL A4 BIMETAL

Material: special anti-friction plating

Head: hex head with flat collar 10.5

Wrench: 8

Pitch: 1.81

Drilling speed: 1600 r.p.m

Washer: stainless steel A4

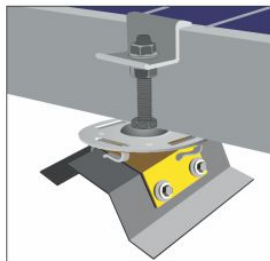
Fixing photovoltaic panels directly
onto the roofing panel

Main use: for roofing

Drill capacity: min 0,4⁽¹⁾ max 1 mm

Used for fixing on sheet metal up to 0,4 mm

High pull-out, even in small thicknesses



Screw only Code	With preasemb. washer Code	Screw Ø x L	Fixing thickness max*	Box q.ty
EPF-DSG-39652 X 06025	39687x06025	6,3x25	8	100

STAINLESS STEEL A4 BIMETAL SELF DRILLING SCREW

EPF-DSL

Self drilling screw - EN ISO 15480

Material: cemented steel

Coating: white zinc plated

Head: hex head with flat collar 12.5

Wrench: 10

Pitch: 1.81

Drilling speed: 1500 r.p.m

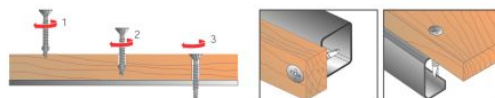


SCREW ONLY		SCREW + PREASSEMBLED WASHER washer 016 - EPDM gasket		SCREW + PREASSEMBLED CONE WASHER washer stainless steel A2 - EPDM black gasket		Screw Ø x L	Fixing thickness min*	Fixing thickness max*
Code		Code		Code	Box q.ty			
EPF-DSL-06019 a		EPF-DSL-06019 b				6,3x19		7
EPF-DSL-06022 a		EPF-DSL-06022 b				6,3x22		10
EPF-DSL-06025 a		EPF-DSL-06025 b				6,3x25		13
EPF-DSL-06032 a		EPF-DSL-06032 b				6,3x32		20
EPF-DSL-06038 a		EPF-DSL-06038 b		EPF-DSL-06038 c		6,3x38		26
EPF-DSL-06045 a		EPF-DSL-06045 b				6,3x45		33
EPF-DSL-06050 a		EPF-DSL-06050 b		EPF-DSL-06050 c		6,3x50		38
EPF-DSL-06060 a		EPF-DSL-06060 b		EPF-DSL-06060 c		6,3x60		48
EPF-DSL-06070 a		EPF-DSL-06070 b				6,3x70	14	58
EPF-DSL-06080 a		EPF-DSL-06080 b		EPF-DSL-06080 c		6,3x80	24	68
EPF-DSL-06090 a		EPF-DSL-06090 b				6,3x90	34	78
EPF-DSL-06100 a		EPF-DSL-06100 b		EPF-DSL-06100 c		6,3x100	44	88
EPF-DSL-06110 a		EPF-DSL-06110 b				6,3x110	54	98
EPF-DSL-06120 a		EPF-DSL-06120 b		EPF-DSL-06120 c		6,3x120	64	108
EPF-DSL-06130 a		EPF-DSL-06130 b				6,3x130	74	118
EPF-DSL-06140 a		EPF-DSL-06140 b		EPF-DSL-06140 c		6,3x140	84	128
EPF-DSL-06150 a		EPF-DSL-06150 b				6,3x150	94	138
EPF-DSL-06160 a		EPF-DSL-06160 b				6,3x160	104	148
EPF-DSL-06180 a						6,3x180	124	168
EPF-DSL-06200 a						6,3x200	144	188
EPF-DSL-06220 a						6,3x220	164	208
Min order						*Thickness refers to screw without accessory.		

SELF DRILLING SCREW FOR ROOFING AND CLADDING

EPF-DSW

Wing self drilling screw for fixing wood on metal supports



Material: cemented steel

Coating: white zinc plated

Head: countersunk head

Pitch: 1.81

Use: meal purlins: 1.5 - 3 mm

Drilling speed: 1500 r.p.m



Posidrive n. 3 Code	Torx T-30 Code	Screw Ø x L	Fixing thickness min	Fixing thickness max	Box q.ty
EPF-DSW-05038 a	EPF-DSW-05038 b	5,5x38	10	23	100
EPF-DSW-05045 a	EPF-DSW-05045 b	5,5x45	10	30	100
EPF-DSW-05050 a	EPF-DSW-05050 b	5,5x50	10	35	100

WOOD FIXING

EPF-DSK

Hex head wood screw - DIN 571 - UNI 704



White zinc plated



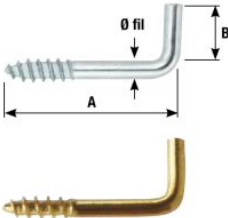
L	05 Code	06 Code	07 Code	08 Code
20		EPF-DSK-06020	200	
25	EPF-DSK-05025	EPF-DSK-06025	200	EPF-DSK-08025
30	EPF-DSK-05030	EPF-DSK-06030	200	EPF-DSK-08030
35	EPF-DSK-05035	EPF-DSK-06035	200	EPF-DSK-08035
40	EPF-DSK-05040	EPF-DSK-06040	200	EPF-DSK-08040
45	EPF-DSK-05045	EPF-DSK-06045	200	EPF-DSK-07045
50	EPF-DSK-05050	EPF-DSK-06050	200	EPF-DSK-08050
60	EPF-DSK-05060	EPF-DSK-06060	100	EPF-DSK-08060
70	EPF-DSK-05070	EPF-DSK-06070	100	EPF-DSK-08070
80		EPF-DSK-06080	100	EPF-DSK-08080
90		EPF-DSK-06090	100	EPF-DSK-08090
100		EPF-DSK-06100	100	EPF-DSK-08100
110		EPF-DSK-06110	100	EPF-DSK-08110
120		EPF-DSK-06120	100	EPF-DSK-08120
130		EPF-DSK-06130	100	EPF-DSK-08130
140		EPF-DSK-06140	100	EPF-DSK-08140
150		EPF-DSK-06150	100	EPF-DSK-08150
160		EPF-DSK-06160	100	EPF-DSK-08160
170			EPF-DSK-07170	100
180		EPF-DSK-06180	100	EPF-DSK-08180
190			EPF-DSK-07190	100
200		EPF-DSK-06200	100	EPF-DSK-08200
210			EPF-DSK-07210	100
220			EPF-DSK-07220	100
240				EPF-DSK-08240
250				EPF-DSK-08250
260				EPF-DSK-08260
280				EPF-DSK-08280
300				EPF-DSK-08300

L	010 Code	012 Code	016 Code
40	EPF-DSK-10040	100	
50	EPF-DSK-10050	100	EPF-DSK-12050
60	EPF-DSK-10060	100	EPF-DSK-12060
70	EPF-DSK-10070	100	EPF-DSK-12070
80	EPF-DSK-10080	50	EPF-DSK-12080
90	EPF-DSK-10090	50	EPF-DSK-12090
100	EPF-DSK-10100	50	EPF-DSK-12100
110	EPF-DSK-10110	50	EPF-DSK-12110
120	EPF-DSK-10120	50	EPF-DSK-12120
130	EPF-DSK-10130	50	EPF-DSK-12130
140	EPF-DSK-10140	50	EPF-DSK-12140
150	EPF-DSK-10150	50	EPF-DSK-12150
160	EPF-DSK-10160	50	EPF-DSK-12160
180	EPF-DSK-10180	50	EPF-DSK-12180
200	EPF-DSK-10200	50	EPF-DSK-12200
220	EPF-DSK-10220	25	EPF-DSK-12220
240	EPF-DSK-10240	25	EPF-DSK-12240
250	EPF-DSK-10250	25	EPF-DSK-12250
260	EPF-DSK-10260	25	EPF-DSK-12260
280	EPF-DSK-10280	25	EPF-DSK-12280
300	EPF-DSK-10300	25	EPF-DSK-12300
320			EPF-DSK-12320
340			EPF-DSK-12340
360			EPF-DSK-12360
380			EPF-DSK-12380
400			EPF-DSK-12400

⁽¹⁾ Thread length does not conform to DIN 571 standards

EPF-LS

Corner screw for wood - NFE 25-611

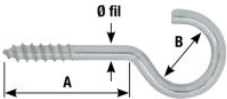


White zinc plated Code	Brass Code	Ref.	fil Ø	A	B	Thread length	Box q.ty	Pkg.
EPF-LS-17030		17x30	2,5	20	8,5	10	200	10800
EPF-LS-17035	EPF-LS-17035 b	17x35	2,5	25	8,5	10	200	10800
EPF-LS-18040	EPF-LS-18040 b	18x40	3	30	10	10	200	10800
EPF-LS-18045		18x45	3	35	10	15	200	5400
EPF-LS-19050	EPF-LS-19050 b	19x50	3,5	40	12	15	200	5400
EPF-LS-20050		20x50	4	35	13	15	200	5400
EPF-LS-20060		20x60	4	45	13	18	200	5400
EPF-LS-20070		20x70	4	50	13	18	100	2700
EPF-LS-21060		21x60	4,5	45	14	18	100	2700
EPF-LS-21070		21x70	4,5	50	14	18	100	2700
EPF-LS-21080		21x80	4,5	60	14	21	100	2700
EPF-LS-22080		22x80	5	60	17	24	100	1800
EPF-LS-22100		22x100	5	80	17	30	100	900
EPF-LS-23100		23x100	6	80	20	30	100	900
EPF-LS-23120		23x120	6	100	20	30	100	900



EPF-LC

Hook screw for wood - NFE 25 - 610



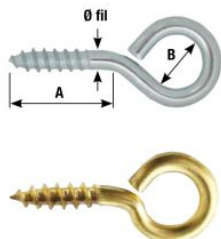
White zinc plated

Code	Ref.	fil Ø	A	B	Thread length	Box q.ty	Pkg.
EPF-LC-17035	17x35	2,5	12	7	8	200	10800
EPF-LC-18050	18x50	3	20	12	10	200	5400
EPF-LC-19060	19x60	3,5	20	12	12	200	5400
EPF-LC-19070	19x70	3,5	25	12	15	200	5400
EPF-LC-20080	20x80	4	30	17	18	200	1800
EPF-LC-21090	21x90	4,5	35	19	18	100	900



EPF-LR

Screw eye for wood - NF E 25-609



White zinc plated Code	Brass Code	Ref.	fil Ø	A	B	Thread length	Box q.ty	Pkg.
EPF-LR-16030		16x30	1,9	12	5	8	200	10800
EPF-LR-18040 a	EPF-LR-18040 b	18x40	3	16	7	10	200	10800
EPF-LR-18050		18x50	3	20	9	10	200	5400
EPF-LR-18060		18x60	3	25	9	15	200	5400
EPF-LR-19050 a	EPF-LR-19050 b	19x50	3,5	20	9	12	200	5400
EPF-LR-19060		19x60	3,5	25	9	15	200	5400
EPF-LR-20060		20x60	4	20	10	15	200	5400
EPF-LR-20070		20x70	4	25	10	15	100	2700
EPF-LR-20080 a	EPF-LR-20080 b	20x80	4	30	10	15	100	2700
EPF-LR-21070		21x70	4,5	25	12	15	100	2700
EPF-LR-21080		21x80	4,5	30	12	18	100	2700
EPF-LR-21090		21x90	4,5	35	12	18	100	1800
EPF-LR-22080		22x80	5	30	14	18	100	1800
EPF-LR-22100		22x100	5	40	14	24	100	900
EPF-LR-22120		22x120	5	50	14	30	100	900
EPF-LR-23100		23x100	6	40	16	24	100	900
EPF-LR-23120		23x120	6	50	16	30	100	900
EPF-LR-23140		23x140	6	60	16	36	100	900

EPF-BU

Countersunk head chipboard screw - fully threaded



Pozidrive recess



White zinc plated Code	Yellow passivated Code	Bronzed Code	Screw Ø x L	Recess	Box q.ty	Pkg.
EPF-BU-25010 a	EPF-BU-25010 b	EPF-BU-25010 c	2,5x10	Pozi 1	500	16000
EPF-BU-25012 a	EPF-BU-25012 b	EPF-BU-25012 c	2,5x12	Pozi 1	500	16000
EPF-BU-25016 a	EPF-BU-25016 b	EPF-BU-25016 c	2,5x16	Pozi 1	500	16000
EPF-BU-25020 a	EPF-BU-25020 b	EPF-BU-25020 c	2,5x20	Pozi 1	500	16000
EPF-BU-25025 a	EPF-BU-25025 b	EPF-BU-25025 c	2,5x25	Pozi 1	500	8000
EPF-BU-30012 a	EPF-BU-30012 b	EPF-BU-30012 c	3x12	Pozi 1	500	16000
EPF-BU-30016 a	EPF-BU-30016 b	EPF-BU-30016 c	3x16	Pozi 1	500	16000
EPF-BU-30018 a	EPF-BU-30018 b	EPF-BU-30018 c	3x18	Pozi 1	500	16000
EPF-BU-30020 a	EPF-BU-30020 b	EPF-BU-30020 c	3x20	Pozi 1	500	16000
EPF-BU-30025 a	EPF-BU-30025 b	EPF-BU-30025 c	3x25	Pozi 1	500	8000
EPF-BU-30030 a	EPF-BU-30030 b	EPF-BU-30030 c	3x30	Pozi 1	500	8000
EPF-BU-30035 a	EPF-BU-30035 b	EPF-BU-30035 c	3x35	Pozi 1	500	8000
EPF-BU-30040 a	EPF-BU-30040 b	EPF-BU-30040 c	3x40	Pozi 1	500	6000
EPF-BU-30045 a	EPF-BU-30045 b	EPF-BU-30045 c	3x45	Pozi 1	500	6000
EPF-BU-35012 a	EPF-BU-35012 b	EPF-BU-35012 c	3,5x12	Pozi 2	500	16000
EPF-BU-35016 a	EPF-BU-35016 b	EPF-BU-35016 c	3,5x16	Pozi 2	500	16000
EPF-BU-35018 a	EPF-BU-35018 b	EPF-BU-35018 c	3,5x18	Pozi 2	500	8000
EPF-BU-35020 a	EPF-BU-35020 b	EPF-BU-35020 c	3,5x20	Pozi 2	500	8000
EPF-BU-35025 a	EPF-BU-35025 b	EPF-BU-35025 c	3,5x25	Pozi 2	500	8000
EPF-BU-35030 a	EPF-BU-35030 b	EPF-BU-35030 c	3,5x30	Pozi 2	500	8000
EPF-BU-35035 a	EPF-BU-35035 b	EPF-BU-35035 c	3,5x35	Pozi 2	500	6000
EPF-BU-35040 a	EPF-BU-35040 b	EPF-BU-35040 c	3,5x40	Pozi 2	500	6000
EPF-BU-35045 a	EPF-BU-35045 b	EPF-BU-35045 c	3,5x45	Pozi 2	500	4000
EPF-BU-35050 a	EPF-BU-35050 b	EPF-BU-35050 c	3,5x50	Pozi 2	500	4000
EPF-BU-40016 a	EPF-BU-40016 b	EPF-BU-40016 c	4x16	Pozi 2	500	8000
EPF-BU-40018 a	EPF-BU-40018 b	EPF-BU-40018 c	4x18	Pozi 2	500	8000
EPF-BU-40020 a	EPF-BU-40020 b	EPF-BU-40020 c	4x20	Pozi 2	500	8000
EPF-BU-40025 a	EPF-BU-40025 b	EPF-BU-40025 c	4x25	Pozi 2	500	8000
EPF-BU-40030 a	EPF-BU-40030 b	EPF-BU-40030 c	4x30	Pozi 2	500	6000
EPF-BU-40035 a	EPF-BU-40035 b	EPF-BU-40035 c	4x35	Pozi 2	500	6000
EPF-BU-40040 a	EPF-BU-40040 b	EPF-BU-40040 c	4x40	Pozi 2	500	6000
EPF-BU-40045 a	EPF-BU-40045 b	EPF-BU-40045 c	4x45	Pozi 2	200	3200
EPF-BU-40050 a	EPF-BU-40050 b	EPF-BU-40050 c	4x50	Pozi 2	200	3200
EPF-BU-40060 a	EPF-BU-40060 b	EPF-BU-40060 c	4x60	Pozi 2	200	2400
EPF-BU-40070 a	EPF-BU-40070 b	EPF-BU-40070 c	4x70	Pozi 2	200	2400
EPF-BU-45020 a	EPF-BU-45020 b	EPF-BU-45020 c	4,5x20	Pozi 2	500	8000
EPF-BU-45025 a	EPF-BU-45025 b	EPF-BU-45025 c	4,5x25	Pozi 2	500	6000
EPF-BU-45030 a	EPF-BU-45030 b	EPF-BU-45030 c	4,5x30	Pozi 2	500	6000
EPF-BU-45035 a	EPF-BU-45035 b	EPF-BU-45035 c	4,5x35	Pozi 2	500	6000
EPF-BU-45040 a	EPF-BU-45040 b	EPF-BU-45040 c	4,5x40	Pozi 2	500	4000
EPF-BU-45045 a	EPF-BU-45045 b	EPF-BU-45045 c	4,5x45	Pozi 2	200	3200
EPF-BU-45050 a	EPF-BU-45050 b	EPF-BU-45050 c	4,5x50	Pozi 2	200	2400
EPF-BU-45060 a	EPF-BU-45060 b	EPF-BU-45060 c	4,5x60	Pozi 2	200	2400
EPF-BU-45070 a	EPF-BU-45070 b	EPF-BU-45070 c	4,5x70	Pozi 2	200	2400
	EPF-BU-50020 b	EPF-BU-50020 c	5x20	Pozi 2	500	8000
EPF-BU-50025 a	EPF-BU-50025 b	EPF-BU-50025 c	5x25	Pozi 2	500	6000
EPF-BU-50030 a	EPF-BU-50030 b	EPF-BU-50030 c	5x30	Pozi 2	500	4000
EPF-BU-50035 a	EPF-BU-50035 b	EPF-BU-50035 c	5x35	Pozi 2	200	3200
EPF-BU-50040 a	EPF-BU-50040 b	EPF-BU-50040 c	5x40	Pozi 2	200	3200
EPF-BU-50045 a	EPF-BU-50045 b	EPF-BU-50045 c	5x45	Pozi 2	200	2400
EPF-BU-50050 a	EPF-BU-50050 b	EPF-BU-50050 c	5x50	Pozi 2	200	2400
	EPF-BU-50055 b		5x55	Pozi 2	200	2400
EPF-BU-50060 a	EPF-BU-50060 b	EPF-BU-50060 c	5x60	Pozi 2	200	2400
EPF-BU-50070 a	EPF-BU-50070 b	EPF-BU-50070 c	5x70	Pozi 2	200	1600
	EPF-BU-60030 b	EPF-BU-60030 c	6x30	Pozi 3	200	2400
EPF-BU-60040 a	EPF-BU-60040 b	EPF-BU-60040 c	6x40	Pozi 3	200	2400
EPF-BU-60050 a	EPF-BU-60050 b	EPF-BU-60050 c	6x50	Pozi 3	200	1600
EPF-BU-60060 a	EPF-BU-60060 b	EPF-BU-60060 c	6x60	Pozi 3	200	1600
EPF-BU-60070 a	EPF-BU-60070 b	EPF-BU-60070 c	6x70	Pozi 3	200	1600

Each box contains a screwdriver bit

METALLIC HEAVY DUTY FIXINGS

EPF-HWA

Hollow wall anchor

- concrete
- solid stone

Material: carbon steel
Hollow wall anchors securely fasten mirrors, pictures, cabinets, curtain - drapes - shelf brackets, bathroom fixtures to hollow wall of plaster over wood lath or metal lath, wallboard, gypsum or cinder block, hollow tile, etc. fixtures can be removed or replaced for redecorating without disturbing the hollow wall anchor.



Code	Anchor Size (mm) (Inch)	Anchor Length	Grip Range (mm)	Screw (mm) (Inch)	Screw Length	Pull Out Load (kgs)
EPF-HWA-405	4x21 (1/8xS)	20	UP-4	M4 (6#-32)	28	30
EPF-HWA-409	4x32 (1/8xS)	32	3-9	M4 (6#-32)	41	30
EPF-HWA-416	4x38	38	8-15	M4	47	30
EPF-HWA-422	4x46 (1/8SL)	46	3-20	M4 (6#-32)	54	30
EPF-HWA-423	4x46 (1/81)	46	16-21	M4 (6#-32)	54	30
EPF-HWA-425	4x54	54	18-28	M4	61	30
EPF-HWA-427	4x59 (1/8xL-1)	60	34-38	M4 (6#-32)	67	30
EPF-HWA-427	4x59 (1/8xL-2)	60	24-34	M4 (6#-32)	67	45
EPF-HWA-510	5x37	37	6-13	M5	45	45
EPF-HWA-514	5x52 (3/16S)	52	3-16	M5 (10#-24)	60	45
EPF-HWA-527	5x65 (3/16L)	65	14-32	M5 (10#-24)	74	45
EPF-HWA-545	5x80 (3/16xL)	80	28-45	M5 (10#-24)	89	45
EPF-HWA-610	6x37	37	6-13	M6	45	53
EPF-HWA-614	6x52 (1/4S)	52	3-16	M6 (1/4-20)	60	53
EPF-HWA-627	6x65 (1/4L)	65	14-32	M6 (1/4-20)	74	53
EPF-HWA-645	6x80 (1/4XL)	80	28-45	M6 (1/4-20)	88	53
EPF-HWA-810	8x37	37	6-13	M8	45	53
EPF-HWA-814	8x52	52	3-16	M8	65	63
EPF-HWA-827	8x65	65	14-32	M8	75	63
EPF-HWA-845	8x80	80	28-45	M8	90	63

● suitable applications

● partially suitable applications

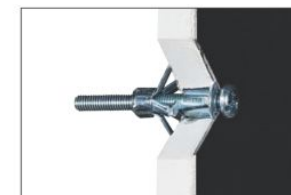
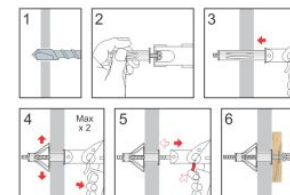
▲ Quantity and delivery terms to be agreed

PLASTERBOARD FIXINGS

EPF-TMC

Metal anchor for plasterboard

- cell like clay brick
- hollow dense aggregate block
- hollow light aggregate block
- plasterboard
- panels and sheets



White zinc plated



With screw Code	Plug only Code	Hole Ø	Plug length	Screw Ø x L	Wall thickness min-max	Box q ty
EPF-TMC-4038	EPF-TMC-08032	8	32	M4x38	3-11	100
EPF-TMC-4045	EPF-TMC-08038	8	38	M4x45	10-16	100
EPF-TMC-5045	EPF-TMC-11037	11	37	M5x45	8-13	50
EPF-TMC-5058		11	52	M5x58	3-16	50
EPF-TMC-5071		11	65	M5x71	19-32	50
EPF-TMC-6045		13	37	M6x45	8-13	50
EPF-TMC-6058		13	52	M6x58	3-16	50
EPF-TMC-6071		13	65	M6x71	19-32	50

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

METALLIC HEAVY DUTY FIXINGS

 EPF-ECN
Eye coupling nuts

The Shank of Eye Coupling Nut is made by Multi-Station Former Cold Forging and the eye is pressed with flating and piercing. Tapped inner hole is perpendicular and concentric with axis of shank within a tolerance of 0.044", and bearing face has a countersunk, flat end that make Eye Coupling Nut easy fasten with Sleeve Anchor, Wedge Anchor and All Thread Rod, etc.



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-ENC-643	M 6 x Ø 8 x 43	43	100/1000
EPF-ENC-846	M 8 x Ø 10 x 46	46	100/1000
EPF-ENC-1051	M 10 x Ø 12 x 51	51	100/1000
EPF-ENC-1260	M 12 x Ø 15 x 60	60	100/1000

METALLIC HEAVY DUTY FIXINGS

 EPF-SDA
Split drive anchor

Material: carbon steel.

The only true ONE PIECE expansion anchor, on parts to lose. Anchor size is drill size, no hole spotting, fast to drill and set. For great tensile strength and hardness, it is given two heat treatment.

With the two sheared and pre-expanded halves of the anchor, exerting a tremendous gripping force in wall of hole.



Code	Anchor Size	Max. Fastened Thickness	Quantities Box/Ctn	Pull Out Load Kgs
EPF-SDA-316100-F	3/16 x 1	1/8	100/500	600
EPF-SDA-316112-F	3/16 x 1/2	1/2	100/500	600
EPF-SDA-316200-F	3/16 x 2	1	100/500	600
EPF-SDA-316212-F	3/16 x 2-1/2	1-1/2	100/500	600
EPF-SDA-14112-F	1/4 x 1-1/2	1/2	100/500	1000
EPF-SDA-14200-F	1/4 x 2	1	100/500	1000
EPF-SDA-14212-F	1/4 x 2-1/2	1-1/2	100/500	1000
EPF-SDA-14300-F	1/4 x 3	2	100/500	1000
EPF-SDA-14312-F	1/4 x 3-1/2	2-1/2	100/500	1000
EPF-SDA-14400-F	1/4 x 4	3	100/500	1000

METALLIC HEAVY DUTY FIXINGS

● EPF-TAB

Toggle bolts

Heavy gauge wings is high capacity true design.
Durable music wire spring positive spring wing action.
For fixing to cavity walls and ceiling of low structural strength.
Any screw head and wing available as your requirement.
The test values listed were obtained using 200-250kgs/cm² concrete (no aggregate).
A safe working load should not exceed 25% of stated value.



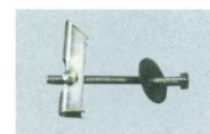
Code	Bolt Size	Drill Size	Quantity Box/Cm.	Weight Kgs/1000	Pull Out Load Kgs
EPF-TBA-1802	1/8x2	3/8	100/500	5.6	130
EPF-TBA-1803	1/8x3	3/8	100/500	6.8	130
EPF-TBA-1804	1/8x4	3/8	100/500	9.0	130
EPF-TBA-3162	3/16x2	1/2	50/250	14.8	200
EPF-TBA-3163	3/16x3	1/2	50/250	18.1	200
EPF-TBA-3164	3/16x4	1/2	50/200	22.7	200
EPF-TBA-3165	3/16x5	1/2	50/200	25.0	200
EPF-TBA-3166	3/16x6	1/2	50/200	28.4	200
EPF-TBA-1403	1/4x3	5/8	50/200	29.5	350
EPF-TBA-1404	1/4x4	5/8	50/200	34.0	350
EPF-TBA-1405	1/4x5	5/8	50/200	38.6	350
EPF-TBA-1406	1/4x6	5/8	25/100	43.1	350
EPF-TBA-5163	5/16x3	7/8	25/100	59.0	500
EPF-TBA-5164	5/16x4	7/8	25/100	63.6	500
EPF-TBA-5165	5/16x5	7/8	25/100	72.6	500
EPF-TBA-5166	5/16x6	7/8	25/100	81.7	500
EPF-TBA-3803	3/8x3	7/8	25/100	72.6	650
EPF-TBA-3804	3/8x4	7/8	25/100	81.7	650
EPF-TBA-3805	3/8x5	7/8	25/100	90.8	650
EPF-TBA-3806	3/8x6	7/8	25/100	104.0	650
EPF-TBA-1203	1/2x3	1-1/4	25/25	168.0	

METALLIC HEAVY DUTY FIXINGS

● EPF-GTA

Gravity spring toggle anchor

Material: carbon steel
Heavy gauge wings...high capacity true design.
Durable music wire spring...positive spring wing action. Easy tightening under load...no biding on screw.
Any screw head available as your requirement.
The test values listed were obtained using 200-250kgs/cm² concrete (no aggregate).
A safe working load should not exceed 25% of stated value.



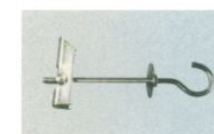
Oval Headed Screw(AF30)



Threaded Bar(AF31)

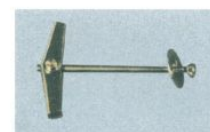


Closed Eye(AF32)



Open Eye(AF33)

Code	Screw Size	Drill Dia (Ø)	Weight Kgs/1000
EPF-GTA-30	M6 x 80	16	40.4
EPF-GTA-31	M6 x 100	16	48.6
EPF-GTA-32	M6 x 100	16	49.2
EPF-GTA-33	M6 x 100	16	49.5



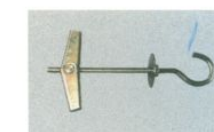
Oval Headed Screw(AF41)



Threaded Bar(AF42)



Closed Eye(AF43)



Open Eye(AF44)

Code	Screw Size	Drill Dia (Ø)	Weight Kgs/1000
EPF-GTA-41	M4 x 100	12	16.8
EPF-GTA-42	M4 x 100	12	18.0
EPF-GTA-43	M4 x 100	12	18.5
EPF-GTA-44	M4 x 100	12	18.0

METALLIC HEAVY DUTY FIXINGS

⊙ **EPF-TSA**

Sleeve anchor one piece with unlosable nut



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-TSA-001	M6 x Ø 10 x 45L		
EPF-TSA-002	M8 x Ø 12 x 50L		
EPF-TSA-003	M10 x Ø 15 x 60L		
EPF-TSA-004	M12 x Ø 17 x 75L		

ZINC ALLOY FIXINGS

⊙ **EPF-LWS**

Lead wood screw anchor

Material: Body zinc alloy, nail, carbon steel & stainless steel. Lead wood screw anchors can be used in solid masonry and concrete, ideal for shallow hold anchoring as it expands, lead flows into any irregularities in hole, making incorrect setting difficult.

The test values listed were obtained using 200-250kgs/cm² concrete (no aggregate).

A safe working load should not exceed 25% of stated value.



Code	Anchor Size	Drill Size	Quantity Box/Ctn.	Weight Kgs/1000	Pull Out Load Kgs
EPF-LWS-6806	6-8 x 3/4	1/4	100/1000	5.6	60
EPF-LWS-6810	6-8 x 1	1/4	100/1000	6.8	70
EPF-LWS-6814	6-8 x 1-1/2	1/4	100/1000	9.0	90
EPF-LWS-1006	10-14x3/4	5/16	100/1000	6.5	160
EPF-LWS-1010	10-14x1	5/16	100/1000	9.0	160
EPF-LWS-1014	10-14x1-1/2	5/16	100/1000	13.6	200
EPF-LWS-1610	16-18x1	3/8	25/250	10.0	260
EPF-LWS-1614	16-18x1-1/2	3/8	25/250	20.4	260

METALLIC HEAVY DUTY FIXINGS

EPF-CSA

Saw anchor



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-CSA-001	M 5 x 30 L	00	00/000
EPF-CSA-002	M 6 x 32 L	00	00/000
EPF-CSA-003	M 8 x 38 L	00	00/000
EPF-CSA-004	M 8 x 60 L	00	00/000
EPF-CSA-005	M 10 x 60 L	00	00/000

METALLIC HEAVY DUTY FIXINGS

EPF-PCI

Pre cast insert



Code	Anchor Size	Max. Fastened Thickness	Quantities Box/Ctn	Pull Out Load Kgs
EPF-PCI-0001	1/4 x 17 x 70L			
EPF-PCI-0002	3/8 x 22.2 x 70L			
EPF-PCI-0003	1/2 x 25.4 x 70L			
EPF-PCI-0004	1/4 x 17 x 41L			
EPF-PCI-0005	3/8 x 22.2 x 44.45L			
EPF-PCI-0006	1/2 x 25.4 x 41L			

METALLIC HEAVY DUTY FIXINGS

EPF-FCA

Ceiling anchor



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-FCA-001	Ø 6 x 36.5L		
EPF-FCA-002	Ø 6 x 66.5L		

METALLIC HEAVY DUTY FIXINGS

EPF-CP

Construct pin



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-CP-001	Ø 12 x 40L x 2.5		
EPF-CP-002	Ø 12.6 x 45L x 3.0		
EPF-CP-003	Ø 13 x 47L x 3.0		
EPF-CP-004	Ø 15.6 x 45L x 4.0		

METALLIC HEAVY DUTY FIXINGS

 EPF-SWW

Steel anchor with two wings



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-SWW-001	M6 x Ø 12 x 30L		
EPF-SWW-002	M8 x Ø 14 x 35L		
EPF-SWW-003	M10 x Ø 16 x 43L		
EPF-SWW-004	M12 x Ø 20 x 55L		
EPF-SWW-005	M 16 X Ø24 X 77L		

METALLIC HEAVY DUTY FIXINGS

 EPF-ENX

Express nail anchor



Code	Anchor Size	Anchor Length	Quantities Box/Ctn
EPF-ENX-0001	Ø 6 x 30L		
EPF-ENX-0002	Ø 6 x 50L		
EPF-ENX-0003	Ø 6 x 60L		
EPF-ENX-0004	Ø 6 x 70L		
EPF-ENX-0005	Ø 6 x 80L		
EPF-ENX-0006	Ø 6 x 90L		
EPF-ENX-0007	Ø 6 x 110L		
EPF-ENX-0008	Ø 6 x 130L		
EPF-ENX-0009	Ø 6 x 150L		

METALLIC HEAVY DUTY FIXINGS

● EPF-LBK

Perforated banding steel galvanized



Code	Dimension mm	Hole ø mm	Length mm	Art No.
EPF-LBK-012	12 x 0.8	5	10	783 12 008
EPF-LBK-017	17 x 0.8	7	10	783 17 008
EPF-LBK-033	33 x 1.5	10.5	30	783 33 150

METALLIC HEAVY DUTY FIXINGS

● EPF-LBK-E

Perforated banding stainless steel



Code	Dimension mm	Hole ø mm	Length mm	Art No.
LPF-LBK-E-012	12 x 0.8	5	10	784 12 008
LPF-LBK-E-017	17 x 0.8	7	10	784 17 008

HEAVY DUTY METAL CLAMPS

EPF-ER

Drainpipe clamp

- concrete
- solid stone

Advantages:
Lateral soldered nuts



Code	€/100 pcs	Size Dimensions	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-ER-8050	93,60	50	100	100
EPF-ER-8063	95,40	63	100	100
EPF-ER-8075	100,77	75	100	100
EPF-ER-8090	109,80	90	100	100
EPF-ER-8110	119,17	110	100	100
EPF-ER-8125	125,00	125	100	100
EPF-ER-8160	155,00	160	100	100
EPF-ER-8200	184,00	200	100	100
EPF-ER-8250	235,00	250	50	50
EPF-ER-8315	536,83	315	50	50

ZINC

● suitable applications

● partially suitable applications

▲ Quantity and delivery terms to be agreed

HEAVY DUTY METAL CLAMPS

EPF-AR

Reinforced pipe clamp

Advantages:
Screw with plastic washer to avoid its lost



ZINC

Code	Size Dimensions	€/100 pcs	Interior Ø mm	Interior Ø inches	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-AR-018	18	70,00	15-19	3/8"	50	300
EPF-AR-022	22	72,10	20-25	1/2"	50	200
EPF-AR-028	28	80,46	26-30	3/4"	50	150
EPF-AR-035	34	86,80	32-36	1"	50	100
EPF-AR-040	40	90,65	38-43	1 1/4"	25	100
EPF-AR-048	48	95,48	47-51	1 1/2"	25	100
EPF-AR-054	54	101,85	53-58	-	25	75
EPF-AR-060	60	108,85	60-64	2"	25	75
EPF-AR-070	70	113,78	68-72	-	25	50
EPF-AR-075	75	119,17	75-80	2 1/2"	25	50
EPF-AR-083	83	121,80	81-86	-	25	25
EPF-AR-090	90	131,07	87-92	3"	25	25
EPF-AR-100	100	136,32	99-105	3 1/2"	25	25
EPF-AR-110	110	144,90	107-112	-	25	25
EPF-AR-115	115	164,85	113-118	4"	25	25
EPF-AR-125	125	174,47	125-130	4 1/2"	25	25
EPF-AR-133	133	191,10	132-137	-	25	25
EPF-AR-140	140	210,00	138-142	5"	25	25
EPF-AR-150	150	213,50	148-152	-	25	25
EPF-AR-160	160	224,00	159-166	6"	25	25
EPF-AR-200	200	261,10	199-212	-	25	25
EPF-AR-220	220	289,13	215-226	8"	25	25
EPF-AR-250	250	294,75	245-254	-	25	25
EPF-AR-300	300	370,86	299-304	-	25	25
EPF-AR-315	315	385,17	314-319	-	25	25
EPF-AR-355	355	535,20	354-359	-	25	25
EPF-AR-400	400	632,36	399-404	-	25	25
EPF-AR-500	500	744,46	499-504	-	10	10
EPF-AR-560	560	890,51	555-561	-	10	10
EPF-AR-600	600	947,77	599-604	-	10	10
EPF-AR-630	630	1.014,14	625-631	-	10	10
EPF-AR-710	710	1.143,14	705-711	-	10	10
EPF-AR-800	800	1.264,73	799-804	-	10	10
EPF-AR-900	900	1.402,06	899-904	-	10	10
EPF-AR-910	910	1.555,94	999-1.004	-	10	10
AR-911	911	1.719,79	1.115-1.121	-	10	10
EPF-AR-912	912	1.888,79	1.245-1.125	-	10	10

HEAVY DUTY METAL CLAMPS

EPF-AI

HEAVY DUTY METAL CLAMPS



**HSW and CW
Gas Sanitation
Heating Air Conditioning
Electric Ventilation**



WHITE ZINC PLATED
Excellent white zinc
plated.

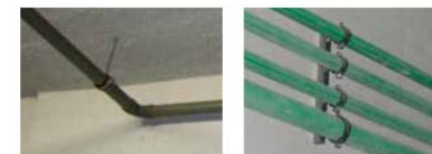


HEAVY DUTY METAL CLAMPS

● **EPF-AI**

Opened isophonic pipe clamp

Advantages:
Screw with plastic washer to avoid its lost



Code	Size Dimensions	€/100 pcs	Interior Ø mm	Interior Ø inches	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-AI-015	15	58,19	12-16	1/4"	50	300
EPF-AI-018	18	62,21	15-19	3/8"	50	300
EPF-AI-022	22	66,03	20-25	1/2"	50	200
EPF-AI-028	28	68,92	26-30	3/4"	50	150
EPF-AI-035	35	73,67	32-36	1"	50	100
EPF-AI-040	42	81,91	40-43	1 1/4"	50	100
EPF-AI-048	48	93,35	47-51	1 1/2"	50	100
EPF-AI-054	54	97,47	53-58	-	25	75
EPF-AI-060	60	105,66	60-64	2"	25	75
EPF-AI-075	75	118,19	75-80	2 1/2"	25	50
EPF-AI-090	90	131,31	87-92	3"	25	25
EPF-AI-100	100	143,91	99-105	3 1/2"	25	25
EPF-AI-110	110	149,91	107-112	-	25	25
EPF-AI-115	115	173,27	113-118	4"	25	25
EPF-AI-125	125	185,41	125-130	4 1/2"	25	25



HEAVY DUTY METAL CLAMPS

EPF-RI

Isophonic pipe clamp fast-clip

Advantages:
Single screw
Fast installation
Isophonic
TBC compliant



ZINC

Code	Size Dimensions	€/100 pcs	Interior Ø mm	Interior Ø inches	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-RI-015	15	58,11	14-15	1/4"	50	300
EPF-RI-018	18	60,89	16-19	3/8"	50	300
EPF-RI-022	22	65,49	21-23	1/2"	50	200
EPF-RI-028	28	70,14	26-28	3/4"	50	150
EPF-RI-035	35	78,42	32-35	1"	50	100
EPF-RI-040	42	86,71	40-43	1 1/4"	25	100
EPF-RI-048	48	95,05	48-51	1 1/2"	25	100
EPF-RI-054	54	100,14	52-56	-	25	75
EPF-RI-060	60	105,15	57-60	2"	25	75

HEAVY DUTY METAL CLAMPS

EPF-AG

Yellow coated pipe clamp for gas

Advantages:
Screw with plastic washer to avoid its lost



PLS

YELLOW PLASTIC

Code	Size Dimensions	€/100 pcs	Interior Ø mm	Interior Ø inches	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-AG-018	18	60,92	15-19	3/8"	50	300
EPF-AG-022	22	72,96	20-25	1/2"	50	200
EPF-AG-028	28	75,66	26-30	3/4"	50	150
EPF-AG-035	35	80,72	32-36	1"	50	100
EPF-AG-040	42	86,61	38-43	1 1/4"	50	100
EPF-AG-048	48	90,99	47-51	1 1/2"	50	100
EPF-AG-054	54	93,16	53-58	-	25	75
EPF-AG-060	60	101,14	60-64	2"	25	75
EPF-AG-075	75	121,46	75-80	2 1/2"	25	50
EPF-AG-090	90	130,92	87-92	3"	25	25
EPF-AG-100	100	143,86	99-105	3 1/2"	25	25
EPF-AG-110	110	169,71	107-112	-	25	25
EPF-AG-115	115	170,24	113-118	4"	25	25
EPF-AG-140	140	193,80	138-142	5"	25	25
EPF-AG-160	160	204,76	159-166	6"	25	25

HEAVY DUTY METAL HANGERS

EPF-PH

HEAVY DUTY METAL HANGERS

PIPE
HANGERS

ZINC

Pipe Hanger offered in this section are designed to support insulated or non-insulated pipe allowing for vertical adjustment and limited in movement in the piping system. A wide of pipe hangers are available for various application, including: Clevis Hanger, Loop Hanger, J-hanger, Bell Hanger, Wire Pipe Hanger, Milford Hanger, DWV Pipe Hanger, etc.

Items in this section are FM & UL approved, comply with Federal Specification WW-H-171E&A-1192A or MSS SP-69 & SP-68. All pipe clamps in this section are sized to fit schedule 40/80 pipe unless otherwise noted.

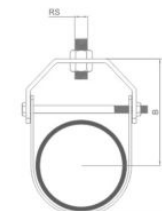


HEAVY DUTY METAL HANGERS

EPF-PH

Heavy Duty Clevis Hanger

Heavy Duty Adjustable Clevis Hanger
Material: Carbon Steel
Size Range: 1/2" through 24"
Finish: Zinc Colored Epoxy Plated
UL/FM Approved
Comply with federal Specification WW-H-171E and American
Manufactures Standardization Society MSS SP-69 & SP58



Code	Nominal Pipe Size IN	Max. Rec.Load IBS KG		Rod Size (RS) IN IBS		A IN MM		B IN MM	
EPF-PH-0012	1/2"	610	277	3/8	M10	2	51.0	1-1/2	37.6
EPF-PH-0034	3/4"	610	277	3/8	M10	2-2/7	58.4	1-2/3	42.3
EPF-PH-0100	1"	610	277	3/8	M10	2-3/4	70.0	2	50.5
EPF-PH-0114	1-1/4"	610	277	3/8	M10	3-1/3	84.0	2-1/3	59.9
EPF-PH-0112	1-1/2"	610	277	3/8	M10	4	100.0	2-7/8	72.9
EPF-PH-0200	2"	610	277	3/8	M10	4-1/2	114.3	3-1/5	81.2
EPF-PH-0212	2-1/2"	1130	513	1/2	M12	5-2/9	132.7	3-2/3	92.7
EPF-PH-0300	3"	1130	513	1/2	M12	6	152.6	4-1/9	104.4
EPF-PH-0312	3-1/2"	1130	513	1/2	M12	6-3/5	167.8	4-1/2	113.3
EPF-PH-0400	4"	1130	513	5/8	M16	7-5/9	192.0	5-1/8	130.4
EPF-PH-0500	5"	1430	649	5/8	M16	9-1/3	237.8	6-1/3	161.4
EPF-PH-0600	6"	1940	880	3/4	M20	10-5/7	272.3	7-1/8	181.2
EPF-PH-0800	8"	2000	907	3/4	M20	13-1/8	333.4	8-1/2	216.4
EPF-PH-1000	10"	3600	1633	7/8	M20	15-3/4	400.0	10	254.5
EPF-PH-1200	12"	3800	1724	7/8	M20	18-6/7	479.1	12-1/8	308.2
EPF-PH-1400	14"	4200	1905	1	M24	21-2/5	543.5	13-2/3	347.2
EPF-PH-1600	16"	4800	1905	1	M24	23-5/7	602.5	15	380.8
EPF-PH-1800	18"	4800	2177	1	M24	27-1/7	689.5	17-2/5	442.4
EPF-PH-2000	20"	4800	2177	1-1/4	M30	30	763.5	19-1/7	486.0
EPF-PH-2400	24"	4800	2177	1-1/4	M30	34-1/7	867.5	21-2/9	539.2



HEAVY DUTY METAL CLAMPS

● EPF-SP

Sprinkler pipe clamp

Advantages:
FM approved
Without screw
Fast in installation
Fire fighting installations



ZINC

Code	Metric	Size Dimensions	€/100 pcs	Interior Ø inches	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-SP-028	M10	28	63,45	3/4"	50	200
EPF-SP-035	M10	35	66,55	1"	50	200
EPF-SP-040	M10	40	77,90	1 1/4"	50	200
EPF-SP-048	M10	48	78,33	1 1/2"	50	200
EPF-SP-060	M10	60	88,73	2"	50	100
EPF-SP-075	M10	75	100,60	2 1/2"	25	100
EPF-SP-090	M10	90	115,56	3"	25	100
EPF-SP-100	M10	100	142,41	3 1/2"	25	100
EPF-SP-115	M10	115	198,61	4"	25	100
EPF-SP-140	M12	140	348,22	5"	10	40
EPF-SP-160	M12	160	429,21	6"	10	40
EPF-SP-220	M12	220	751,12	8"	10	30

HEAVY DUTY METAL CLAMPS

● EPF-CD

Cast-in down pipe clamp

Advantages:
Designed to use in plant construction
Loose nuts, to ease assembly
Reinforced



GAL

GALVANIZED

ZINC

Code	Size Dimensions	€/100 pcs	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-CD-075	75	135,40	100	100
EPF-CD-090	90	152,00	100	
EPF-CD-110	110	167,47	100	100
EPF-CD-125	125	187,63	50	
EPF-CD-160	160	246,07	50	50
EPF-CD-200	200	294,05	50	
EPF-CD-250	250	481,81	25	25
EPF-CD-315	315	572,44	25	

GAL

HEAVY DUTY METAL CLAMPS

EPF-DC

Down pipe clamp to screw

Advantages:
Designed to be installed in walls
Loose nuts, to ease assembly
Reinforced



ZINC

GAL

Code	Size Dimensions	€/100 pcs	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-DC-075	75	141,87	100	100
EPF-DC-090	90	153,69	100	100
EPF-DC-110	110	173,66	100	100
EPF-DC-125	125	189,16	50	50
EPF-DC-160	160	226,99	50	50
EPF-DC-200	200	264,82	25	25
EPF-DC-250	250	368,85	25	25

HEAVY DUTY METAL CLAMPS

EPF-U

U-bolt

Advantages:
Size: M6 - M8 - M10
Assembled with 4 nuts
Fast and resistant fixing



ZINC

Code	Metric	€/100 pcs	Interior Ø inches	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
M6					
EPF-U-060250	M6	18,72	1/4"	100	800
EPF-U-060375	M6	19,37	3/8"	100	800
EPF-U-060500	M6	21,60	1/2"	100	600
EPF-U-060750	M6	25,56	3/4"	100	600
EPF-U-061000	M6	28,26	1"	100	400
EPF-U-061250	M6	36,72	1 1/4"	100	400
M8					
EPF-U-081250	M8	58,68	1 1/2"	100	200
EPF-U-082000	M8	64,98	2"	100	100
EPF-U-082250	M8	77,90	2 1/4"	100	100
EPF-U-082500	M8	79,74	2 1/2"	100	100
EPF-U-083000	M8	88,02	3"	100	100
EPF-U-083500	M8	110,37	3 1/2"	100	100
EPF-U-084000	M8	125,71	4"	100	100
EPF-U-084500	M8	136,87	4 1/2"	100	100
EPF-U-085000	M8	141,66	5"	100	100
EPF-U-086000	M8	164,34	6"	100	100
M10					
EPF-U-103000	M10	139,21	3"	100	100
EPF-U-103500	M10	162,21	3 1/2"	100	100
EPF-U-104000	M10	177,36	4"	100	100
EPF-U-105000	M10	199,55	5"	100	100
EPF-U-106000	M10	236,97	6"	100	100
EPF-U-108000	M10	297,06	8"	100	100

HEAVY DUTY METAL CLAMPS

● EPF-SA

U-bolt support

Advantages:
5 and 6mm. thickness
U-bolt M8 - DIN 125 & 9021 washers
M8 - Rondelle DIN 9021
M10- Rondelle DIN 125 & 9021
Height: 50 & 100 mm.



ZINC

Code	Height	Length	€/100 pcs	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-SA-050100	50	100	304,64	50	50
EPF-SA-050125	50	125	330,16	50	50
EPF-SA-050200	50	200	403,61	25	25
EPF-SA-050300	50	300	502,73	25	25
EPF-SA-050400	50	400	514,20	25	25
EPF-SA-050500	50	500	871,17	10	10
EPF-SA-050600	50	600	984,96	10	10
EPF-SA-100100	100	100	416,84	10	10
EPF-SA-100125	100	125	434,15	10	10
EPF-SA-100200	100	200	513,16	25	25
EPF-SA-100300	100	300	670,32	25	25
EPF-SA-100400	100	400	896,60	25	25
EPF-SA-100500	100	500	1.171,98	10	10

HEAVY DUTY METAL CLAMPS

● EPF-RC

Robust clamp

Advantages:
Rounded band to avoid damaging the pipe
High torque capacity
8.8 quality screw



ZINC

Code	Size Dimensions	€/100 pcs	Quantities Inner Box/Ctn	Quantities Outer Box/Ctn
EPF-RC-023025	23-25	122,72	50	300
EPF-RC-026028	26-28	128,88	50	300
EPF-RC-029031	29-31	158,04	50	300
EPF-RC-032035	32-35	162,36	50	150
EPF-RC-036039	36-39	163,44	50	150
EPF-RC-040043	40-43	173,16	50	100
EPF-RC-044047	44-47	234,18	50	100
EPF-RC-048051	48-51	244,44	25	75
EPF-RC-052055	42-55	249,84	25	75
EPF-RC-056059	56-59	255,78	25	75
EPF-RC-060063	60-63	266,58	25	75
EPF-RC-064067	64-67	277,52	25	50
EPF-RC-068073	68-73	348,84	25	25
EPF-RC-074079	74-79	353,16	25	25
EPF-RC-080085	80-85	356,83	25	25
EPF-RC-086091	86-91	363,60	25	25
EPF-RC-092097	92-97	381,24	25	25
EPF-RC-098103	98-103	385,20	25	25
EPF-RC-104112	104-112	418,32	25	25
EPF-RC-113112	113-121	446,76	25	25
EPF-RC-122130	122-130	479,52	25	25
EPF-RC-131139	131-139	598,32	25	25
EPF-RC-140148	140-148	611,28	25	25
EPF-RC-149161	149-161	647,64	25	25
EPF-RC-162174	162-174	676,08	25	25

METAL CLAMPS

HOUSE CLAMPS

Metallic band clamp - DIN 3017

Advantages:
 5 and 6mm. thickness
 U-bolt M8 - DIN 125 & 9021 washers
 M8 - Rondelle DIN 9021
 M10 - Rondelle DIN 125 & 9021
 Height: 50 & 100 mm.



Embossed band 9 mm with rounded edges

White zinc plated band, housing and screw combi recess

Shine finish

Code	Pipe mm Ø	Band width mm	Band thickness mm	Box q.ty	Pkg.
38015b09012	8-12	9	0,7	100	100
38015b09016	10-16	9	0,7	100	100
38015b09020	12-20	9	0,7	100	100
38015b09022	12-22	9	0,7	100	100
38015b09025	16-25	9	0,7	100	100
38015b09027	16-27	9	0,7	100	100
38015b09032	20-32	9	0,7	100	100
38015b09040	25-40	9	0,8	100	100
38015b09045	30-45	9	0,8	50	50
38015b09050	32-50	9	0,8	50	50
38015b09060	40-60	9	0,8	50	50
38015b09070	50-70	9	0,8	25	25
38015b09080	60-80	9	0,8	25	25
38015b09090	70-90	9	0,8	25	25
38015b09100	80-100	9	0,8	25	25
38015b09110	90-110	9	0,8	25	25
38015b09120	100-120	9	0,8	10	10

ZINC PLATED SCREWS AND BOLTS

EPF-SS

HEAVY DUTY SAFETY BOLT FOR CRACKED CONCRETE



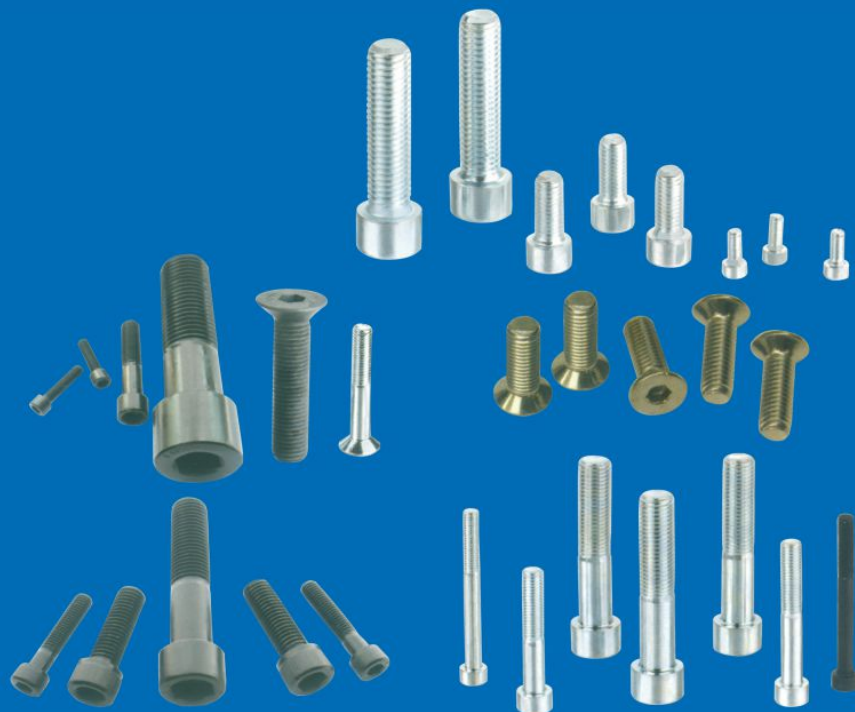
Stud Serials

Executive Standard	DIN558 DIN601 DIN6914 DIN7990 DIN931 DIN933 DIN960 DIN961 GB21 GB27 GB31 GB32 GB5782 GB5782 A307 A325 A394 ISO4041 ISO4017 JBS1186 UNC UNF		
Performance Level	8.8	d<30	35K, 45K
		d<33	40Cr, 20MinTib
	10.9	All Specification	40Cr, 35CrMoA
Surface Finishing	12.9	All Specification	35CrMoA, 42CrMoA
	Black, Phosphate, Zinc hot dip galvanized, Dacromet etc.		

ZINC PLATED BOLTS

EPF-BS

SOCKET HEAD CAP SCREWS



Bolt Serials

Executive Standard	DIN7984 DIN7991 DIN912 GB70.1 GB70-76 GB70-85 ISO04762		
Performance Level	8.8	d<30	35K, 45K
		d<33	40Cr
	10.9	All Specification	40Cr, 20MnTiB
	12.9	All Specification	35CrMoA, 42CrMoA
Surface Finishing	Black, Phosphate, Zinc hot dip galvanized, Dacromet etc.		

ZINC PLATED BOLTS AND GASKET

EPF-N-GS

HEAVY DUTY HEX NUTS



Nut

Executive Standard	DIN5587 DIN6915 DIN934 GB1229 GB52 GB55 GB170 GB6171 GB6175 GB6176 GB6177 ISO4032 ISO4033 A194 A563 D-14 D-6 EN14399		
Performance Level	8	All Specification	35K, 45K
	10		35K, 45K
	12		35CrMoA, 42Cr
Surface Finishing	Black, Phosphate, Zinc hot dip galvanized, Dacromet etc.		

Gasket Series

Executive Standard	GB1230 EN14399-6 DIN137 DIN6916 GB853 GB96 BG97.2	
Performance Level	All Specification	65Mn
Surface Finishing	Black, Zinc Dacromet etc.	

HEAVY DUTY ASSEMBLING BOLTS

EPF-AB

HEX FLANGE BOLTS



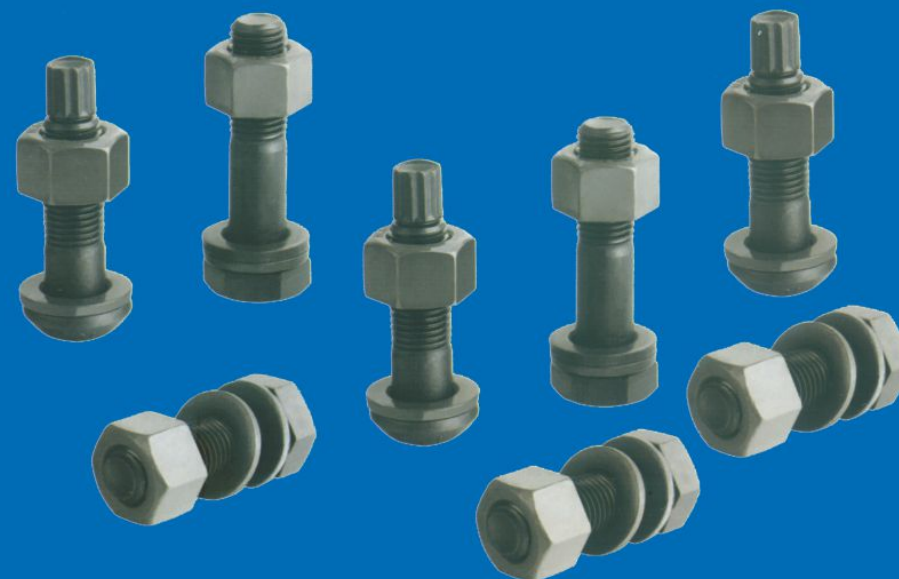
Assembling Bolts

Executive Standard	GB5789 GB5787 DIN6921 GB9074	
Performance Level	8.8	35K, 20MinTib
	10.9	40Cr, 20MinTib, 35CrMoA
	12.9	35CrMoA, 42CrMoA
Surface Finishing	Black, Phosphate, Zinc etc.	

STEEL STRUCTURE HEXAGONAL BOLTS

EPF-SS-HB

STEEL STRUCTURE HEXAGONAL BOLTS



Executive Standard	Gb1228 Gb3632 A490 A325 EN14399		
Performance Level	8.8	d<24	20MinTib, 40Cr, ML20MnTiB
		d<30	35CrMoA, 35VB
	10.9	d<24	20MinTib, 40Cr, ML20MnTiB
		d<30	35CrMoA, 35VB
Surface Finishing	Black, Phosphate, Zinc hot dip galvanized, Dacromet etc.		

METALLIC HEAVY DUTY FIXINGS

EPF-N-SB

NON STANDARD BOLTS



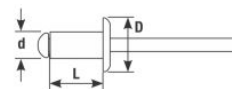
Executive Standard	A193 DIN976 GB899 HG20613 HG20634 JB4707 GB901S H3404 Wheel Bolt / bow bolt / cup head bolts
Material	40Cr, 35CrMoA, 25CR2MoVA Stainless steel etc / wheel hub bolts as shown on the drawing
Surface Finishing	Black, Phosphate, Zinc hot dip galvanized, Dacromet etc.



RIVETS

RIVIT

Aluminium body white zinc plated steel nail

Aluminium body
white zinc plated steel nail

Code	Rivet d x L	Head D	Hole Ø	Fix. thickness	Per box Box q.ty	Per Euroblister Pcs per blister	Pkg.
03000030005	3,0x5	6	3,1	0,5÷2	1000		
03000030006	3,0x6	6	3,1	1÷3	1000	100	10
03000030008	3,0x8	6	3,1	3÷5	1000	100	10
03000030010	3,0x10	6	3,1	5÷7	1000	100	10
03000030012	3,0x12	6	3,1	7÷9	500	100	10
03000030014	3,0x14	6	3,1	9÷11	500		
03000030016	3,0x16	6	3,1	11÷13	500		
03000030018	3,0x18	6	3,1	13÷15	500		
03000032006	3,2x6	6	3,3	1÷3	1000		
03000032008	3,2x8	6	3,3	3÷5	1000		
03000032010	3,2x10	6	3,3	5÷7	1000		
03000032012	3,2x12	6	3,3	7÷9	500		
03000032014	3,2x14	6	3,3	9÷11	500		
03000032016	3,2x16	6	3,3	11÷13	500		
03000034006	3,4x6	6	3,5	0,5÷2,5	1000		
03000034007	3,4x7	6	3,5	1,5÷3,5	1000	100	10
03000034009	3,4x9	6	3,5	3,5÷5,5	1000	100	10
03000034011	3,4x11	6	3,5	5,5÷7,5	1000	100	10
03000034012	3,4x12	6	3,5	6,5÷8,5	500	100	10
03000034014	3,4x14	6	3,5	8,5÷10,5	500	100	10
03000034016	3,4x16	6	3,5	10,5÷12,5	500		
03000034018	3,4x18	6	3,5	12,5÷14,5	500		
03000040005	4,0x5	8	4,1	0,5÷1,5	1000		
03000040006	4,0x6	8	4,1	0,5÷2,5	1000	100	10
03000040008	4,0x8	8	4,1	2,5÷4,5	1000	100	10
03000040010	4,0x10	8	4,1	4,5÷6,5	500	100	10
03000040012	4,0x12	8	4,1	7,5÷9,5	500	100	10
03000040014	4,0x14	8	4,1	8,5÷10,5	500	100	10
03000040016	4,0x16	8	4,1	10,5÷12,5	500	100	10
03000040018	4,0x18	8	4,1	12,5÷14,5	500		
03000040020	4,0x20	8	4,1	14,5÷16,5	500		
03000040022	4,0x22	8	4,1	16,5÷18,5	500	50	NEW 10
03000040025	4,0x25	8	4,1	18,5÷21,5	500		
03000040030	4,0x30	8	4,1	21,5÷26,5	500		
03000048006	4,8x6	9,5	4,9	0,5÷3	500	100	10
03000048008	4,8x8	9,5	4,9	2÷4	500	100	10
03000048010	4,8x10	9,5	4,9	4÷6	500	100	10
03000048012	4,8x12	9,5	4,9	6÷8	500	100	10
03000048014	4,8x14	9,5	4,9	8÷10	500	100	10
03000048016	4,8x16	9,5	4,9	10÷12	500	100	10
03000048018	4,8x18	9,5	4,9	12÷14	500	50	10
03000048020	4,8x20	9,5	4,9	14÷16	500	50	10
03000048022	4,8x22	9,5	4,9	16÷18	500		
03000048024	4,8x24	9,5	4,9	18÷20	500		
03000048025	4,8x25	9,5	4,9	19÷21	500		
03000048030	4,8x30	9,5	4,9	24÷26	500	50	10
03000048035	4,8x35	9,5	4,9	26÷31	500		
03000048040*	4,8x40	9,5	4,9	31÷36	500		
03000048045**	4,8x45	9,5	5	36÷41	500		
03000048050**	4,8x50	9,5	5	41÷46	500		
03000048055*	4,8x55	9,5	5,05	46÷51	500		
03000048060**	4,8x60	9,5	5,05	51÷56	500		
03000048065*	4,8x65	9,5	5,05	56÷61	500		
03000048070**	4,8x70	9,5	5,05	61÷66	500		



SPRING NUT

SPRING NUT

Indextrut channel spring nut

Material: carbon steel
The strut nut is the key to the strut system.
Insert strut nut anywhere along the length of the channel and attach the fitting to combine another channel a 90° turn.
Easy to use, save time and work.



INSTALLATION



WITHOUT SPRING



SHORT SPRING

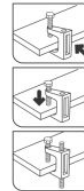


Twirl Nut	Without Spring	With Spring	Thread size	Width	Long	Thickness	Quantities pcs/Carton	Weight kgs/1000pcs
TN-140	SN-140	SNS-140	1/4	0.75	1.38	0.25	200	29
TN-516	SN-516	SNS-516	5/16	0.75	1.38	0.31	200	35
TN-380	SN-380	SNS-380	3/8	0.75	1.38	0.38	200	40
TN-120	SN-120	SNS-120	1/2	0.75	1.38	0.50	200	45
TN-580	SN-580	SNS-580	5/8	1.12	1.38	0.38	200	60
TN-340	SN-340	SNS-340	3/4	1.12	1.38	0.38	200	50
TN-780	SN-780	SNS-780	7/8	1.12	1.38	0.38	200	49
TN-06	SN-06	SNS-06	M6	19.0	34.5	6.0	200	28
TN-08	SN-08	SNS-08	M8	19.0	34.5	6.0 (8)	200	27
TN-10	SN-10	SNS-10	M10	19.0	34.5	10.0	200	43
TN-12	SN-12	SNS-12	M12	19.0	34.5	10.0 (12)	200	43
TN-16	SN-16	SNS-16	M16	19.0	34.5	12.0	200	46

BEAM BOLTS

BEAM BOLTS

Steel beam clamps



Code	Size Dimensions	€/100 pcs	Max. Beam Thickness	Max. Beam Width	Quantities Outer Box/Ctn
Hole					
EPF-BB-P09	9	298,23	18	38 x 35 x 35	50
EPF-BB-P11	11	327,90	20	44 x 41 x 42	50
EPF-BB-P13	13	455,87	26	58 x 48 x 54	50
Threaded					
EPF-BB-M08	M8	298,23	18	38 x 35 x 35	50
EPF-BB-M10	M10	327,90	20	44 x 41 x 42	50
EPF-BB-M12	M12	455,87	26	58 x 48 x 54	50

CONNECTORS

○ CONNECTORS

Channel U-fittings

ZINC

A2
INOX

Code	Suitable for	€/100 pcs	Quantities Outer Box/Ctn
Zinc plated			
EPF-CU-2718	27/18	66,18	50
EPF-CU-2830	28/30	80,15	50
EPF-CU-3840	38/40	89,42	50
Stainless steel A2			
EPF-CU-12718	27/18	180,00	50
EPF-CU-12830	28/30	207,00	50
EPF-CU-13840	38/40	252,00	50

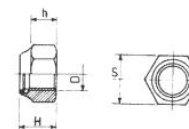
ZINC

A2
INOX

ZINC PLATED SCREWS AND BOLTS

○ LOCK NUT

Self-locking nuts - DIN 982

White zinc plated with nylon ring
grade 8

Code	D	h min	H max	s	Box q.ty
22709b05000	M5	4,4	6,3	8	1000
22709b06000	M6	4,9	8	10	1000
22709b08000	M8	6,44	9,5	13	1000
22709b10000	M10	8,04	11,5	17	500
22709b12000	M12	10,37	14	19	500

ZINC PLATED SCREWS AND BOLTS

WING NUT

Wing nut - UNI 5448



White zinc plated

Code	Thread Filetage	Box q.ty Boîte de
22300b04000	M4	600
22300b05000	M5	600
22300b06000	M6	600
22300b08000	M8	200
22300b10000	M10	200
22300b12000	M12	100



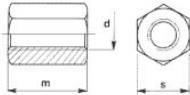
ZINC PLATED SCREWS AND BOLTS

CONNECTING NUT

Hex connecting nut



White zinc plated
grade 8



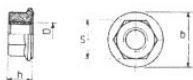
Code	d	m	s	Box q.ty
22780b04016	M4	16	8	100
22780b05020	M5	20	8	100
22780b06030	M6	30	10	100
22780b08040	M8	40	13	100
22780b10045	M10	45	17	50
22780b12050	M12	50	19	50
22780b14050	M14	50	22	10
22780b16060	M16	60	24	10
22780b20070	M20	70	30	10



ZINC PLATED SCREWS AND BOLTS

◎ FLANGED NUT

Flanged nut - DIN 6923

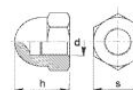
White zinc plated
grade 8

Code	D	h min	b max	s	Box q.ty
22760b06000	M6	6	14,2	10	1000
22760b08000	M8	8	17,9	13	1000
22760b10000	M10	10	21,8	15	500

ZINC PLATED SCREWS AND BOLTS

◎ CAP NUT

Cap nut - DIN 1587

White zinc plated
grade 6

Code	d	h min	s	Box q.ty
22600b04000	M4	7	7	200
22600b05000	M5	9	8	200
22600b06000	M6	11	10	200
22600b08000	M8	14	12	200
22600b10000	M10	17	14	200
22600b12000	M12	21	19	100
22600b14000	M14	24	22	50
22600b16000	M16	27	24	25
22600b18000	M18	31	27	25
22600b20000	M20	33	30	25
22600b22000	M22	38	32	10
22600b24000	M24	41	36	10

WOOD FIXING

EPF-TNN

Tee nut



White zinc plated

Code	Thread	Box q.ty
22500b04000	M4	600
22500b05000	M5	600
22500b06000	M6	600
22500b08000	M8	200
22500b10000	M10	200



STEEL PIPE FIXING

EPF-SS

Steel pipe scaffold



Code	Thread size
SS-00010	M10
SS-00012	M12
SS-00014	M14
SS-00016	M16
SS-00018	M18
SS-00020	M20
SS-00022	M22
SS-00024	M24
SS-00026	M26
SS-00030	M30
SS-00036	M36



STAINLESS STEEL FASTENERS RELATED PRODUCTS

STUDS

MATERIAL: SS304 A2, SS316 A4
DIA: M4_M36 3/16_1 1/2"
STANDARD: DIN, ASME/ANSI



WING NUT



MATERIAL: SS304 A2, SS316 A4
DIA: M6_10 1/4_3/8"
STANDARD: DIN, ASME/ANSI



CAP NUT

MATERIAL: SS304 A2, SS316 A4
DIA: M3_M20 3/16_3/4"
STANDARD: DIN, ASME/ANSI

STAINLESS STEEL FASTENERS RELATED PRODUCTS

NYLON INSERT LOCKING NUT

MATERIAL: SS304 A2, SS316 A4
DIA: M2.5_M20 3/16_1 3/4"
STANDARD: DIN, ASME/ANSI

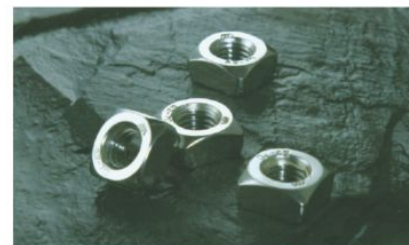


HEX NUT

MATERIAL: SS304 A2, SS316 A4
DIA: M2_M45 2-56_1-1/2"
STANDARD: DIN, ASME/ANSI, JIS



SQUARE NUT



MATERIAL: SS304 A2, SS316 A4
DIA: M4_M12 1/4_1/2"
STANDARD: DIN, ASME/ANSI



FLAT WASHER

MATERIAL: SS304 A2, SS316 A4
DIA: M4_M38 1/8_1-1/2"
STANDARD: DIN, SAE, USS

STAINLESS STEEL FASTENERS RELATED PRODUCTS

◉ FLANGE NUT

MATERIAL: SS304 A2, SS316 A4
DIA: M3_M16 #6_1 5/8"
STANDARD: DIN, ASME/ANSI



◉ SPRING WASHER

MATERIAL: SS304 A2, SS316 A4
DIA: M2_M36 1/8" 1-1/2"
STANDARD: DIN, ASME/ANSI



◉ HEX SOCKET SCREW



MATERIAL: SS304 A2, SS316 A4
DIA: M3_M24 3/16" 1"
STANDARD: DIN, ASME/ANSI



◉ PAN HEAD MACHINE SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M3_M10
LENGTH: 5MM_150MM
STANDARD: DIN, ASME/ANSI

STAINLESS STEEL FASTENERS RELATED PRODUCTS

◉ WOOD SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M6_M12 1/4" 1/2"
LENGTH: 30MM_150MM
STANDARD: DIN, ASME/ANSI



◉ CSK HEX SOCKET SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M4_M12 3/16" 1/2"
LENGTH: 3MM_150MM
STANDARD: DIN, ASME/ANSI



◉ HEX BOLT



MATERIAL: SS304 A2, SS316 A4
DIA: M3_M36 3/16" 1-1/2"
LENGTH: 3MM_150MM
STANDARD: DIN, ASME/ANSI, JIS



◉ CSK TAPPING SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M3_M10
LENGTH: 8MM_150MM
STANDARD: DIN, ASME/ANSI

STAINLESS STEEL FASTENERS RELATED PRODUCTS

◎ TAPPING SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: ST2.9_6.3
LENGTH: 4.5MM_100MM
STANDARD: DIN



◎ BUTTON SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M3_M12
LENGTH: M10_M120
STANDARD: DIN



◎ MACHINE SCREW



MATERIAL: SS304 A2, SS316 A4
DIA: M3_M12
LENGTH: M10_M150
STANDARD: DIN



◎ WELD NUT

MATERIAL: SS304 A2, SS316 A4
DIA: M6_M16
STANDARD: DIN

STAINLESS STEEL FASTENERS RELATED PRODUCTS

◎ FLANGE SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M6_M10 1/4" 3/8"
LENGTH: 20MM_100MM
STANDARD: DIN, ASME/ANSI



◎ HEX SLOT SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M6_M24
LENGTH: M10_M200
STANDARD: DIN



◎ COMBINE SCREW



MATERIAL: SS304 A2, SS316 A4
DIA: M4_M24
LENGTH: 20MM_200MM
STANDARD: DIN, ASME/ANSI

◎ CARRIAGE SCREW

MATERIAL: SS304 A2, SS316 A4
DIA: M3_M20 3/16" 1"
LENGTH: 10MM_200MM
STANDARD: DIN, ASME/ANSI

◎ HEX HEAVY NUT

MATERIAL: SS304 A2, SS316 A4
DIA: M6_M24 3/8_1
STANDARD: DIN, ASME/ANSI

STAINLESS STEEL FASTENERS RELATED PRODUCTS

FASTENERS

MATERIAL: 304, 304HC, 301
302, 303, 316, 316L, 202, 201
200 ect.

DIAMETER: 1MM_26MM

USE: Used to various kinds
of fasteners, for example:
precision screws, bolts and
nuts, rivet, nail, stable, pins
for construction and
automotive. and also in
manufacturing goods shelf,
weaving of wire mesh, soft
pipe, filter material and
equipment, spring, etc.



STAINLESS STEEL FASTENERS RELATED PRODUCTS

COMPARISON SHEET FOR MATERIAL

GB1220-92	GDST 5632-72	JIS G4303-91	ASTM A276-96	DS970Part1 BSEN10088-1-95	DIN17400-96 DINEN10088-1-95	NFA35-578-91 NFEN10088-1-95	ISO 683/13-86 TR4956/84
1Cr17Mn6Ni5N	—	SUS201	201	X12CrMnNiN 17-7-5	X12CrMnNiN 17-7-5	X12CrMnNiN 17-7-5	A-2
1Cr18Mn8Ni5N	12KH17G9AH4	SUS202	202	X12CrMnNiN 18-9-5	X12CrMnNiN 18-9-5	X12CrMnNiN 18-9-5	A-3
1Cr17Ni7	—	SUS301	301	BS970Part1-96 301S21	—	NFA35-574-95 Z12CN17-07	14
1Cr18Ni9	12KH18H9	SUS302	302	302S31	DIN17440-96 X12CrNi18-9	Z10CN18-09	12
Y1Cr18Ni9	—	SUS303	303	303S31	X12CrNiS18-9	Z10CNF18-09	17
Y1Cr18Ni9Se	12KH18H10E	SUS303Se	303Se	303S42	—	—	17A
0Cr18Ni9	08KH18H10	SUS304	304	304S31	X5CrNi18-9	Z7CN18-09	11
00Cr18Ni11	03KH18H11	SUS304L	304L	304S11	X2CrNi19-11	X2CrNi19-11	10
0Cr19Ni9N	—	SUS304N1	304N	—	—	—	—
0Cr19Ni10NbN	—	SUS304N2	XM21	—	—	—	—
00Cr18Ni10N	—	SUS304LN	—	X2CrNi18-10	X2CrNi18-10	X2CrNi18-10	10N
1Cr18Ni12	12KH18H12T	SUS305	305	X4CrNi18-12	X4CrNi18-12	X4CrNi18-12	13
0Cr23Ni13	—	SUS309S	309S	—	—	NFA35-578-91 Z15CN23-13	15
0Cr25Ni20	—	SUS310S	310S	310S31	—	Z8CN25-20	16
0Cr17Ni12Mo2	08KH17H13M2T	SUS316	316	316S31	X5CrNiMo17-12-2	Z7CND17-12-2	20 20A
0Cr18Ni12Mo2Ti	08KH17H13M2T	SUS316Ti	316Ti31635	320S31	X6CrNiMoTi17-12-2	X6CrNiMoTi17-12-2	21
00Cr17Ni14Mo2	03KH17H14M2	SUS316L	316L	316S31	X2CrNiMo18-14-3	X2CrNiMo17-12-2	19 19A
0Cr17Ni12Mo2N	—	SUS316N	316N	X5CrNiMo17-12-2	X5CrNiMo17-12-2	X5CrNiMo17-12-2	—
00Cr17Ni13Mo2N	—	SUS316LN	316LN	X5CrNiMo17-11-2	X2CrNiMo17-11-2	X2CrNiMo17-11-2	19N 19AN
0Cr18Ni12Mo2Cu2	—	SUS316J1	—	—	—	—	—
00Cr18Ni14Mo2Cu2	—	SUS316JIL	—	—	—	—	—

EPF-TR

Heavy duty Threaded Rod -DIN 976-1

1 metre bar
white zinc plated
grade 4.8

A threaded rod, also known as a stud, is a relatively long rod that is threaded on both ends; the thread may extend along the complete length of the rod. They are designed to be used in tension. Threaded rod in bar stock form is often called all-thread.

Threaded rods can be used for in many industries for many different applications. A few of these applications are:

For use with most standard size fasteners
Can be used in repairs and to secure parts together
Manufacturing, automotive and construction industries
Electrical and plumbing purposes
For Temporary Down Ceiling Purpose
AC Fittings with down Ceiling.
For Special Purpose Machineries where proper alignment is required.

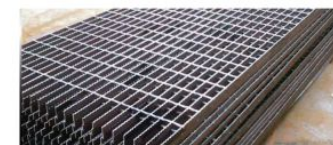


Code	Thread	Pkg.
EPF-TR-04000	M4	100
EPF-TR-05000	M5	100
EPF-TR-06000	M6	100
EPF-TR-08000	M8	50
EPF-TR-10000	M10	25
EPF-TR-12000	M12	20
EPF-TR-14000	M14	10
EPF-TR-16000	M16	10
EPF-TR-18000	M18	5
EPF-TR-20000	M20	5
EPF-TR-22000	M22	5
EPF-TR-24000	M24	5
EPF-TR-27000	M27	5
EPF-TR-30000	M30	5

EPF-SG

Heavy duty Steel Grating

A grating is any regularly spaced collection of essentially identical, parallel, elongated elements. Gratings usually consist of a single set of elongated elements, but can consist of two sets. When the two sets are perpendicular, this is also known as a grid or a mesh.



EPF-RB

Heavy duty Rock Bolts

A rock bolt is a long anchor bolt, for stabilizing rock excavations, which may be used in tunnels or rock cuts. It transfers load from the unstable exterior to the confined (and much stronger) interior of the rock mass.

Rock bolts were first used in mining in the 1890s, with systematic use documented at the St Joseph Lead Mine in the U.S. in the 1920s. Rock bolts were applied to civil tunneling support in the U.S. and in Australia starting in the late 1940s. Rock bolts were used and further developed starting in 1947 by Australian engineers who began experimenting with four-meter-long expanding anchor rock bolts while working on the Snowy Mountains.



EPF-WM

Heavy duty Wire Mesh

Approved Material
After
QC

Welded wire mesh, or welded wire fabric, or "weldmesh" is an electric fusion welded prefabricated joined grid consisting of a series of parallel longitudinal wires with accurate spacing welded to cross wires at the required spacing.

The welded wire mesh is a metal wire screen that is made up of low carbon steel wire or stainless steel wire. It is available in various sizes and shapes. It is widely used in agricultural, industrial, transportation, horticultural and food procuring sectors. It is also used in mines, gardening, machine protection and other decorations.

