



Making Construction
Effortless

Product Catalogue 2026

High Quality Steel Products for
Every Phase of Construction

www.endura.ee



Engineered Connections. Reliable Solutions. Built to Endure.

At ENDURA Global, we provide reliable precast concrete accessories and structural connection systems designed to make construction safer, faster, and more efficient. Guided by European standards of quality, reliability, and engineering excellence, our solutions are developed to meet the practical demands of modern construction.

More than a supplier, we work as a technical partner to manufacturers, contractors, structural engineers, and designers, understanding project requirements and providing proven products alongside bespoke engineering solutions. Our expertise spans the complete precast construction process - from factory production and transportation to on-site erection and permanent structural connections.

With a strong focus on product quality, reliability, and application performance, we help simplify construction while enhancing safety and efficiency at every stage. Our technical team provides responsive support, expert guidance, clear documentation, and practical engineering assistance tailored to specific project requirements.

At ENDURA, we are committed to delivering dependable solutions and building lasting partnerships that add value throughout the construction process. Explore our range and discover solutions built to perform, connect, and endure.

TABLE OF CONTENT

Transport Anchor Systems

- Threaded System
- Plate Anchor System
- Pin Anchor System
- Other Lifting System

Fixing Systems

- Fixing Socket

Reinforcement Systems

- Standard Wire Loop Box
- Thin Wire Loop Box

Bolted Connection Systems

- Anchor Bolt
- Column Shoe System
- Wall Shoe System

Magnetic Systems

Other Products

Meet Our Team

Usage and Safety Directives for ENDURA Products

04

29

34

37

41

45

48

49



ENDURA TRANSPORT ANCHOR SYSTEM

A wide range of transporting and mounting systems to ensure safety and meet your changing requirements.

Moving concrete parts can be challenging and safety matters the most. With ENDURA's strong transport anchors, safety comes first in the precast factory and at the construction site.

Our Transport anchors are safe and reliable in use. They safely absorb all impacts from handling, lifting and assembly and transmit them into the component. We offer a comprehensive range of high-quality lifting systems designed for safe lifting and transportation of various types of precast elements. There are both Threaded Systems and Quick Release Lifting Systems. Your selection may be based upon technical or economic requirement or due to already owned/available lifting equipment.

For each anchor system a detailed Installation and Application Instruction is available, providing important information on prerequisites, reinforcement, load-bearing capacities (for steel and concrete) and much more.

Threaded Lifting System



Plate Anchor System



Pin Anchor System

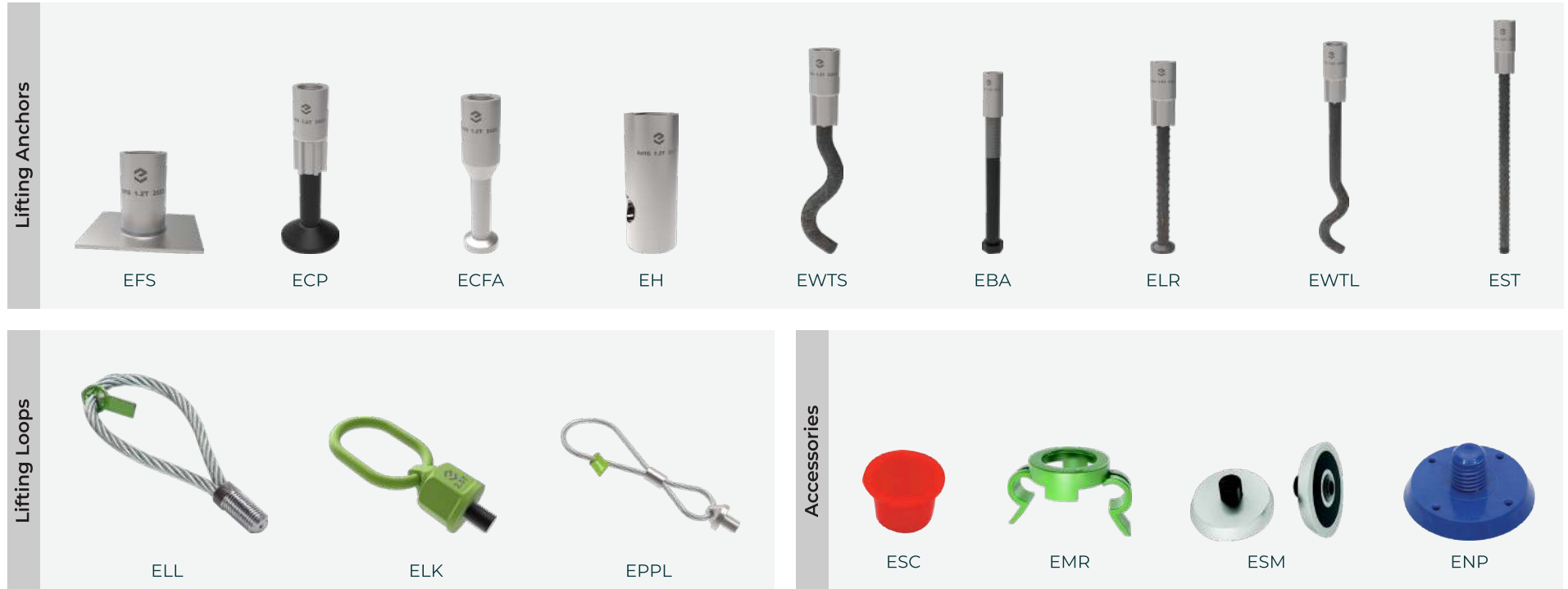


Other Lifting System



ENDURA THREADED LIFTING SYSTEM

The Thread System, consisting of lifting anchors, lifting keys, and a comprehensive array of accessories, has garnered considerable recognition and achieved consistent success over the years. This versatile and cost-effective system is designed for lifting and transporting precast concrete elements of various kinds.



Features and Advantages:

- Threaded transport anchors are versatile and can be used to lift and transport a wide variety of precast concrete elements, including walls, beams, slabs, stairs, and more.
- Special RD thread is resistant to concrete dust, sand, and other dirt.
- Safe Working Loads from 5kN to 125kN.
- Easily installed into precast concrete elements, allowing for a more efficient fabrication process.
- Requires less reinforcement in the precast concrete element compared to other lifting methods, leading to cost savings.
- Save load transfer by optimized anchorage of the reinforcing bar and / or design of the anchor.
- Normally suitable for all lifting directions (axial, diagonal, lateral).
- Sockets available galvanised or in stainless steel.
- All lifting devices available with metric thread or special round thread (RD) with a metric pitch.
- High-quality and tested lifting devices.

Recommended Use:



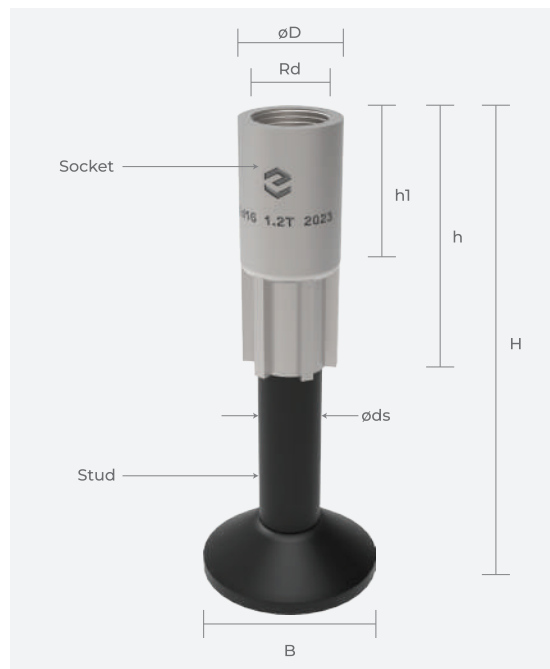
EH (Hole) Anchor

Size	EH 12	EH 16	EH 20	EH 24	EH 30	EH 36	EH 42	EH 52
Rd [mm]	Rd12	Rd16	Rd20	Rd24	Rd30	Rd36	Rd42	Rd52
D [mm]	15	21	27	31	40	47	54	67
H1 [mm]	40	54	69	78	103	125	145	195
h [mm]	22	27	35	43	56	68	80	97
c [mm]	8	13	15	18	22	27	32	40

Lifting Anchor	Material	Material Type	Standard
EHez	S355J2 + N	Electro-Zincd	EN 10025
EHs	1.4301	Stainless Steel	EN 10088
EHa	1.4401	Acid Resistant Steel	EN 10088



ECP (Compact) Anchor



Size	ECP 16	ECP 20	ECP 24	ECP 30	ECP 36
Rd [mm]	Rd16	Rd20	Rd24	Rd30	Rd36
H [mm]	100	115	130	175	225
ØD [mm]	22	28	32	40	48
Øds [mm]	16	20	24	30	36
B [mm]	42	54	63	78	99
h [mm]	45	60	70	90	105
h1 [mm]	29	40	46	60	69

Lifting Anchor	Material	Material Type	Standard
ECPez	S355J2 + N	Electro-Zincd	EN 10025
ECPs	1.4301	Stainless Steel	EN 10088
ECPa	1.4401	Acid Resistant Steel	EN 10088

* Stud Material is S235J2 for all options.

EBA (Bolt) Anchor



Size	EBA 12	EBA 16	EBA 20	EBA 20	EBA 24	EBA 30	EBA 36	EBA 36	EBA 42	EBA 42
Rd [mm]	Rd12	Rd16	Rd20	Rd20	Rd24	Rd30	Rd36	Rd36	Rd42	Rd42
H [mm]	150	220	180	270	320	380	300	420	300	460
ød1 [mm]	15	21	27	27	31	40	47	47	54	54
h [mm]	30	45	60	60	70	90	105	105	120	120
Bolt, 2 [mm]	12x120	16x180	20x130	20x220	24x260	30x300	36x300	36x320	42x200	42x360

Lifting Anchor	Material	Material Type	Standard
EBAez	S355J2 + N	Electro-Zincd	EN 10025
EBAs	1.4571	Stainless Steel	EN 10088
EBA (Bolt)	Grade 8.8	Medium Carbon Steel	ISO 898 – 1

ELR (Long Rebar) Anchor

Size	ELR 12	ELR 14	ELR 16	ELR 18	ELR 20	ELR 24	ELR 30	ELR 36	ELR 42	ELR 52
Rd [mm]	Rd12	Rd14	Rd16	Rd18	Rd20	Rd24	Rd30	Rd36	Rd42	Rd52
H [mm]	150	155	175	225	250	275	350	450	500	700
øD [mm]	15	18	21	24	27	31	40	47	54	67
øD1 [mm]	24	30	36	42	42	48	60	75	84	96
øds [mm]	8	10	12	14	14	16	20	25	28	32

Lifting Anchor	Material	Material Type	Standard
ELRez	S355J2 + N	Electro-Zincd	EN 10025
ELRs	1.4301	Stainless Steel	EN 10088
ELRa	1.4401	Acid Resistant Steel	EN 10088

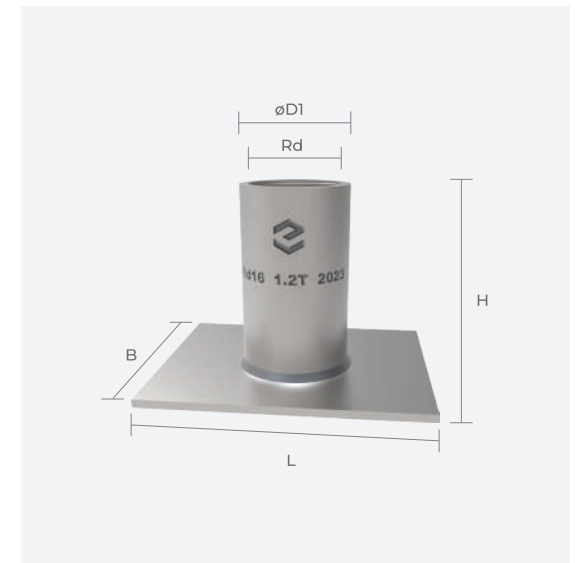


* Ribbed Reinforcement Material is B500B for all options.

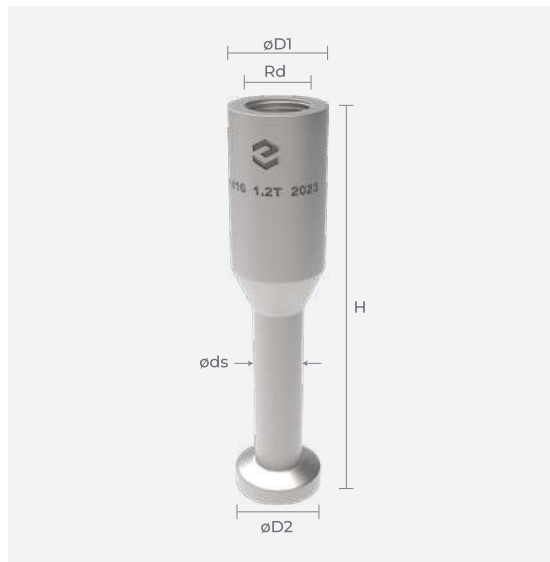
EFS (Flat Steel) Anchor

Size	EFS 12	EFS 14	EFS 16	EFS 20	EFS 24	EFS 30	EFS 36	EFS 42	EFS 52
Rd [mm]	Rd12	Rd14	Rd16	Rd20	Rd24	Rd30	Rd36	Rd42	Rd52
H [mm]	30	33	35	47	54	72	84	98	117
øD [mm]	15	18	21	27	31	40	47	54	67
L [mm]	35	30	50	60	80	100	130	130	150
B [mm]	25	35	35	60	60	80	100	130	130

Lifting Anchor	Material	Material Type	Standard
EFSez	S355J2 + N	Electro-Zincd	EN 10025
EFSSs	1.4301	Stainless Steel	EN 10088
EFSa	1.4401	Acid Resistant Steel	EN 10088



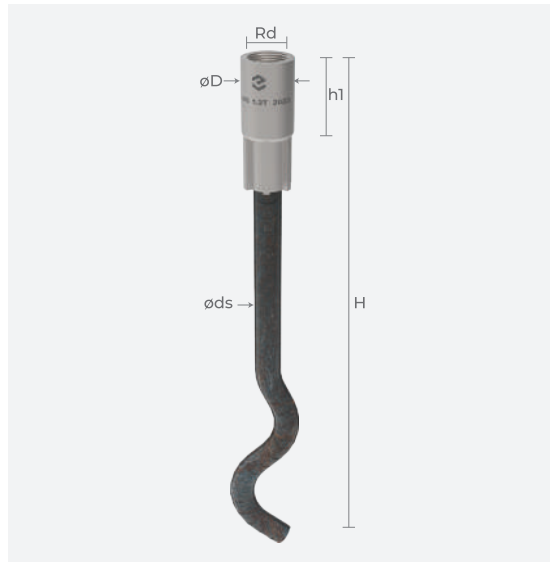
ECFA (Crown Foot) Anchor



Size	ECFA 12	ECFA 14	ECFA 16	ECFA 20	ECFA 24	ECFA 30
Rd [mm]	Rd12	Rd14	Rd16	Rd20	Rd24	Rd30
H [mm]	60	70	80	100	115	150
øD1 [mm]	17	19	21	27	31	40
øD2 [mm]	17	19	21	27	31	40
øDs [mm]	10	10	12	15	18	20

Lifting Anchor	Material	Material Type	Standard
ECFAez	S355J2 + N	Electro-Zincd	EN 10025
ECFAAs	1.4301	Stainless Steel	EN 10088
ECFAa	1.4401	Acid Resistant Steel	EN 10088

EWTL (Long Wavy Tailed) Anchor



Size	EWTL 12	EWTL 14	EWTL 16	EWTL 20	EWTL 24	EWTL 30	EWTL 36	EWTL 42	EWTL 52
Rd [mm]	Rd12	Rd14	Rd16	Rd20	Rd24	Rd30	Rd36	Rd42	Rd52
H [mm]	137	170	216	257	350	450	570	620	880
øD [mm]	15	18	21	27	31	40	47	54	67
h1 [mm]	22	25	27	35	43	56	68	80	100
øds [mm]	8	10	12	14	16	20	25	28	32

Lifting Anchor	Material	Material Type	Standard
EWTLez	S355J2 + N	Electro-Zincd	EN 10025
EWTLS	1.4301	Stainless Steel	EN 10088
EWTLa	1.4401	Acid Resistant Steel	EN 10088

* Ribbed Reinforcement Material is B500B for all options.

EWTS (Short Wavy Tailed) Anchor

Size	EWTS 12	EWTS 14	EWTS 16	EWTS 20	EWTS 24	EWTS 30	EWTS 36	EWTS 42
Rd [mm]	Rd12	Rd14	Rd16	Rd20	Rd24	Rd30	Rd36	Rd42
H [mm]	108	130	167	187	240	300	380	450
øD [mm]	15	18	21	27	31	40	47	54
h1 [mm]	22	25	27	35	43	56	68	80
øds [mm]	8	10	12	14	16	20	25	28

Lifting Anchor	Material	Material Type	Standard
EWTSsz	S355J2 + N	Electro-Zincd	EN 10025
EWTSs	1.4301	Stainless Steel	EN 10088
EWTSa	1.4401	Acid Resistant Steel	EN 10088

* Ribbed Reinforcement Material is B500B for all options.



EST (Straight Tailed) Anchor

TRANSPORT ANCHOR SYSTEM Threaded Lifting System

Size	EST 12	EST 14	EST 16	EST 20	EST 24	EST 30	EST 36	EST 42	EST 52
Rd [mm]	Rd12	Rd14	Rd16	Rd20	Rd24	Rd30	Rd36	Rd42	Rd52
H [mm]	190	235	270	350	400	505	680	790	900
øD [mm]	15	18	21	27	31	40	47	54	67
h1 [mm]	22	25	27	35	43	56	68	80	100
øds [mm]	8	10	12	14	16	20	25	28	32

Lifting Anchor	Material	Material Type	Standard
ESTez	S355J2 + N	Electro-Zincd	EN 10025
ESTs	1.4301	Stainless Steel	EN 10088
ESTa	1.4401	Acid Resistant Steel	EN 10088

* Ribbed Reinforcement Material is B500B for all options.



ELL Lifting Loop



Lifting Loop	Rd [mm]	Length [mm]	Safe Working Load [ton]
ELL 12	Rd12	155	0.5
ELL 16	Rd16	155	1.2
ELL 20	Rd20	215	2.0
ELL 24	Rd24	255	2.5
ELL 30	Rd30	300	4.0
ELL 36	Rd36	340	6.3
ELL 42	Rd42	425	8.0
ELL 52	Rd52	510	12.5

Surface: Electro zincd OR Hot dipped galvanized.

ELK Lifting Key

TRANSPORT ANCHOR SYSTEM
Threaded Lifting System



Lifting Key	Rd [mm]	Length [mm]	Safe Working Load [ton]
ELK 16	Rd16	150	1.2
ELK 20	Rd20	160	2.0
ELK 24	Rd24	185	2.5
ELK 30	Rd30	220	4.0
ELK 36	Rd36	255	6.3

EPPL Lifting Device with Pressure Plate

Lifting Loop	Rd [mm]	Length [mm]	Safe Working Load [ton]
EPPL 16	Rd16	345	1.2
EPPL 20	Rd20	410	2.0
EPPL 24	Rd24	435	2.5
EPPL 30	Rd30	490	4.0
EPPL 36	Rd36	650	6.3



Surface: Electro zincd OR Hot dipped galvanized.

ESM Socket Magnet



Plate	Width [mm]	Depth [mm]
ESM 12	60	10
ESM 16	60	10
ESM 20	60	10
ESM 24	80	10
ESM 30	80	10

* Surface: Electro zincd. Also available in Stainless Steel.

ESC Sealing Caps

Cap	Size	Colour
ESC 10	10	Red
ESC 12	12	Red
ESC 16	16	Dark Grey
ESC 20	20	Green
ESC 24	24	Blue
ESC 30	30	Light Grey
ESC 36	36	Orange
ESC 42	42	Yellow
ESC 52	52	Black



EMR Marking Ring

Name	Size	Colour
EMR 12	12	Red
EMR 16	16	Dark Grey
EMR 20	20	Green
EMR 24	24	Blue
EMR 30	30	Light Grey
EMR 36	36	Orange
EMR 42	42	Yellow
EMR 52	52	Black



TRANSPORT ANCHOR SYSTEM
Threaded Lifting System

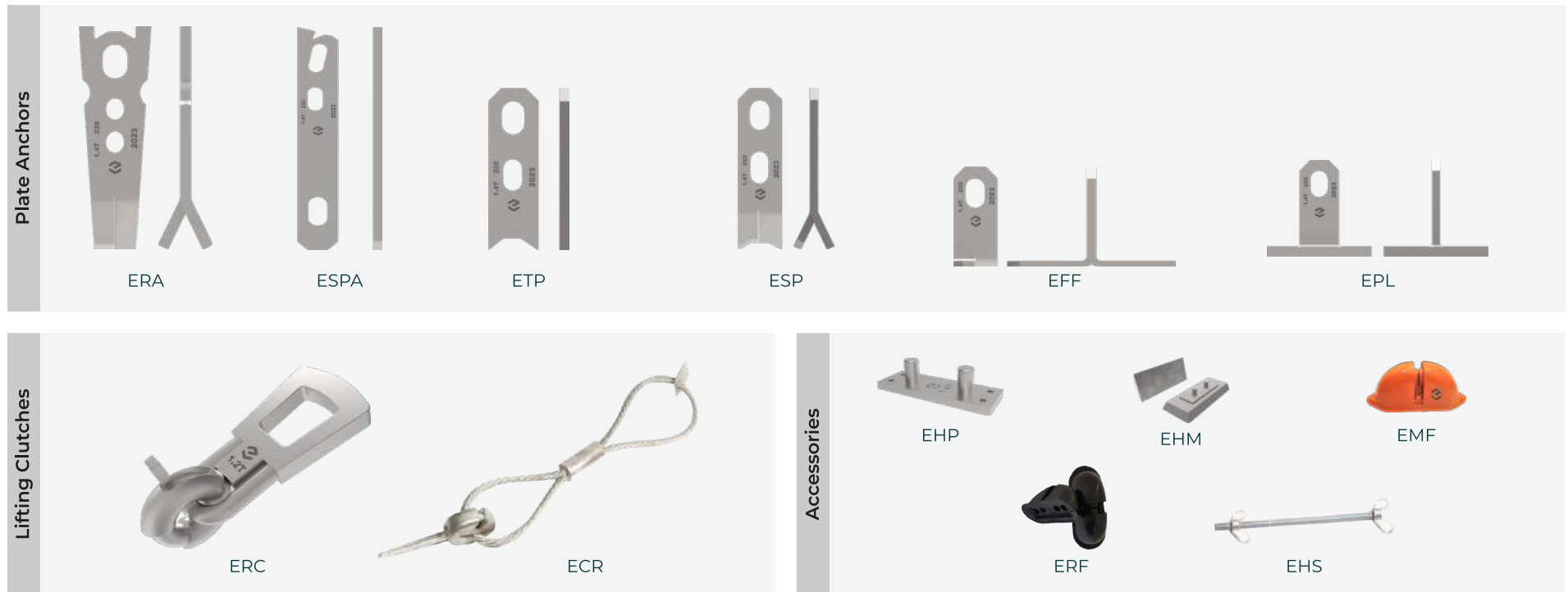
ENP Nailing Plates

Plate	Dia. [mm](S)	Dia. [mm](L)	Depth [mm]	Colour
ENP 10	55	-	10	Red
ENP 12	55	60	10	Red
ENP 16	55	60	10	Dark Grey
ENP 20	55	60	10	Green
ENP 24	55	80	10	Blue
ENP 30	70	80	10	Light Grey
ENP 36	70	110	10	Orange
ENP 42	-	110	10	Yellow
ENP 52	-	110	10	Black



ENDURA PLATE ANCHOR SYSTEM

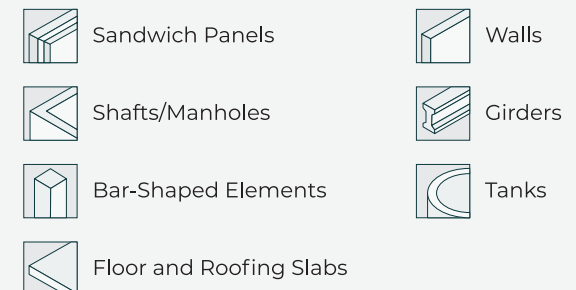
Plate Anchor Lifting Systems, also known as Quick Lock Lifting Systems, consists of Flat Steel Anchors, a Lifting Clutch, Recess Former, and Holding Screws. This is a rapid coupling and release lifting system designed to provide a secure and stable lifting point for heavy loads. Applications are usually reflected in various shapes of the anchor or anchor foot. Anchors and Ring clutches allow lifting operations in all load directions. It is commonly used in applications such as precast concrete panels, bridge girders, and other structural components.



Features and Advantages:

- **Secure Lifting Point:** The Plate Anchor provides a secure and stable lifting point for heavy loads. Its design ensures that the load is evenly distributed and there is minimal risk of slippage or detachment during lifting.
- The anchors can be used in horizontal, vertical, or angular lifting situations, making it a versatile and flexible solution for many different projects.
- The quick uncoupling of lifting device saves time and reduce labour costs on construction sites.
- Reinforcement can be optimized for effectiveness.
- It is a durable and long-lasting solution for lifting heavy loads.
- It is ideal solutions for tilting concrete units.

Recommended Use:

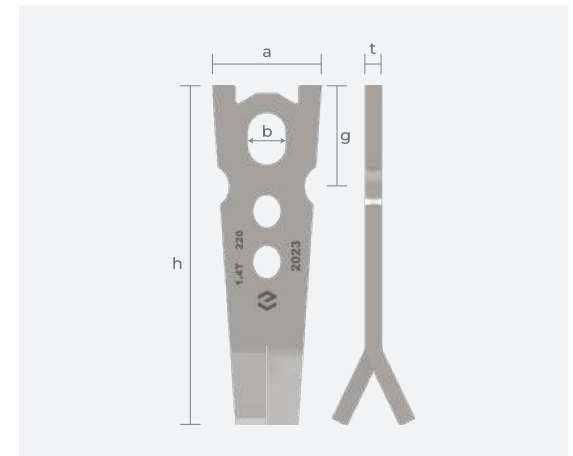


ERA (Erection) Anchor

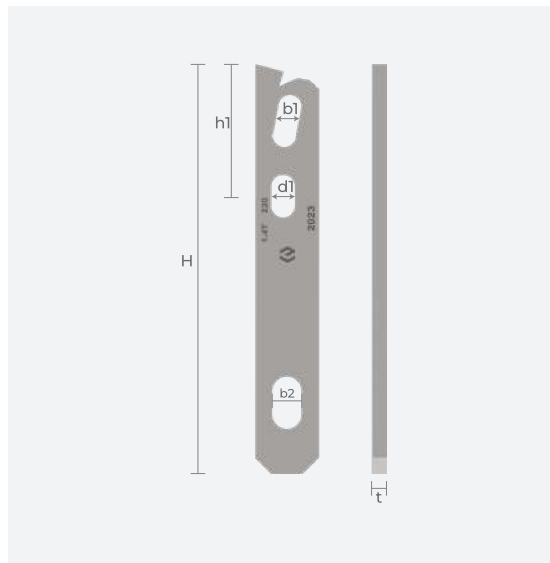
Size	ERA 1.4	ERA 2.5	ERA 4.0	ERA 5.0	ERA 7.5	ERA 10.0	ERA 12.5	ERA 17.0	ERA 22.0
h [mm]	200	230	270	290	320	390	500	500	500
a [mm]	55	55	70	70	95	95	148	148	148
t [mm]	6	10	12	15	15	20	20	25	30
b [mm]	14	14	18	18	26	26	35	35	35
g [mm]	45	45	70	70	90	90	90	90	90

Lifting Anchor	Material	Material Type	Standard
ERAez	S355J2 + N <small>OR equivalent</small>	Electro-Zincd	EN 10025

*This anchor is also available in Plain Steel, HDG and Stainless Steel versions.



ESPA (Sandwich Panel) Anchor

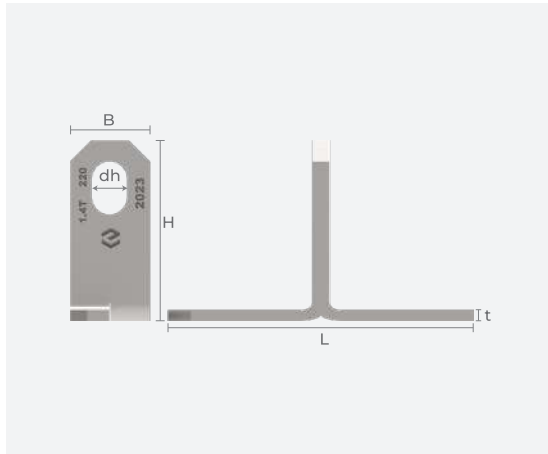


Size	ESPA 2.5	ESPA 5.0	ESPA 7.5	ESPA 10.0
H [mm]	250	300	350	350
B [mm]	40	60	80	80
t [mm]	10	16	16	20
h1 [mm]	72	92	123	123
b1 [mm]	14	18	26	26
d1 [mm]	14	17.5	25	26
b2 [mm]	18	26	46	35

Lifting Anchor	Material	Material Type	Standard
ESPAez	S355J2 + N <small>OR equivalent</small>	Electro-Zincd	EN 10025

*This anchor is also available in Plain Steel, HDG and Stainless Steel versions.

EFF (Flat Foot) Anchor



Size	EFF 0.7	EFF 1.4	EFF 2.0	EFF 2.5	EFF 3.0	EFF 4.0	EFF 5.0	EFF 7.5	EFF 10.0	EFF 12.0	EFF 17.0	EFF 22.0
H [mm]	65	65	70	75	90	110	125	170	200	220	270	310
B [mm]	30	30	30	30	40	40	40	60	60	80	80	80
dh [mm]	14	14	14	14	18	18	18	26	26	35	35	35
t [mm]	5	6	8	10	10	12	15	16	20	16	20	28
L [mm]	70	70	80	94	100	100	105	120	120	200	200	200

Lifting Anchor	Material	Material Type	Standard
EFFez	S355J2 + N <small>OR equivalent</small>	Electro-Zincd	EN 10025

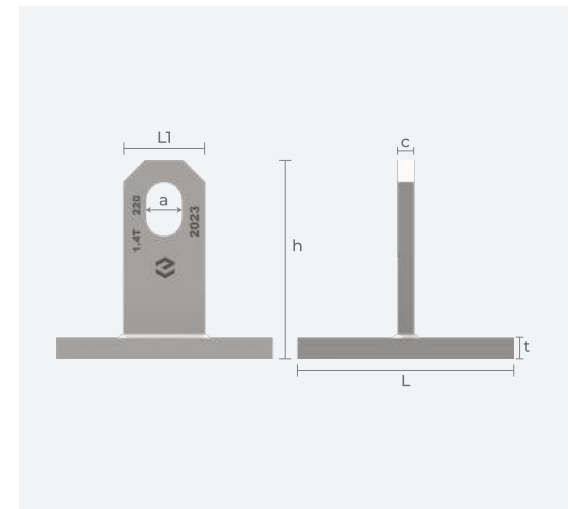
*This anchor is also available in Plain Steel, HDG and Stainless Steel versions.

EPL (Plate) Anchor

Size	EPL 1.4	EPL 2.5	EPL 5.0	EPL 10.0
H [mm]	55	80	120	160
L1 [mm]	30	30	40	60
a [mm]	8.5	8.5	12.0	17.0
c [mm]	6	10	15	20
t [mm]	8	8	10	12
L [mm]	80	80	100	140

Lifting Anchor	Material	Material Type	Standard
EPLez	S355J2 + N <small>OR equivalent</small>	Electro-Zincd	EN 10025

*This anchor is also available in Plain Steel, HDG and Stainless Steel versions.

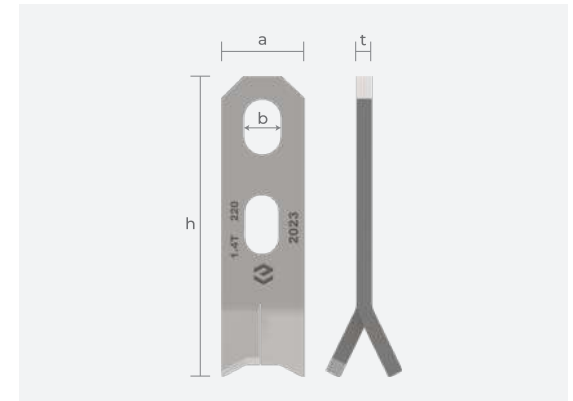


ESP (Standard Plate) Anchor

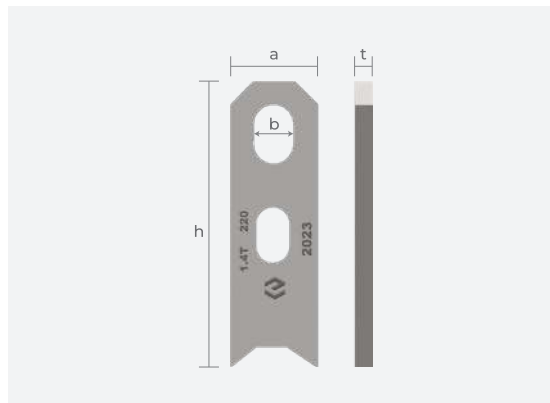
Size	ESP 1.4	ESP 2.5	ESP 3.0	ESP 4.0	ESP 5.0	ESP 7.5	ESP 10.0	ESP 14.0	ESP 22.0
h [mm]	110-210	150-250	160-280	180-320	180-400	260-420	300-520	370-460	500-620
a [mm]	30	30	40	40	40	60	60	80	80
t [mm]	6	10	10	12	15	15	20	20	26
b [mm]	14	14	18	18	26	26	35	35	35

Lifting Anchor	Material	Material Type	Standard
ESPez	S355J2 + N OR equivalent	Electro-Zincd	EN 10025

*This anchor is also available in Plain Steel, HDG and Stainless Steel versions.



ETP (Transport Plate) Anchor



Size	ETP 1.4	ETP 2.5	ETP 3.0	ETP 4.0	ETP 5.0	ETP 7.5	ETP 10.0	ETP 14.0	ETP 22.0	ETP 26.0
h [mm]	90	90	120	120	120	160	165	240	300	300
a [mm]	30	30	40	40	40	60	60	80	90	120
t [mm]	6	10	10	12	15	15	20	20	25	30
b [mm]	14	14	18	18	18	26	26	35	35	35

Lifting Anchor	Material	Material Type	Standard
ETPez	S355J2 + N OR equivalent	Electro-Zincd	EN 10025

*This anchor is also available in Plain Steel, HDG and Stainless Steel versions.

ERC Ring Clutch

Name	Load Group [ton]	Length [mm]
ERC 25	0.7 - 2.5	259
ERC 50	3.0 - 5.0	325
ERC 100	5.3 - 10.0	431
ERC 250	12.5 - 26.0	620



ECR Combination Ring Clutch



Name	Load Group [ton]
ECR 13	0.7 - 1.3
ECR 25	1.4 - 2.5
ECR 50	3.0 - 5.0
ECR 100	5.3 - 10.0
ECR 260	12.5 - 26.0

ERF Recess Former Bayonet



Name	Load Group [ton]	Width [mm]	Length [mm]	Height [mm]
ERF 13	0.7 - 1.3	30	63	35
ERF 25	1.4 - 2.5	43	104	45
ERF 50	3.0 - 5.0	49	126	59
ERF 100	5.3 - 10.0	67	188	85
ERF 260	12.5 - 26.0	112	233	121

*Recess Former Bayonet is available in both Plastic and Rubber.

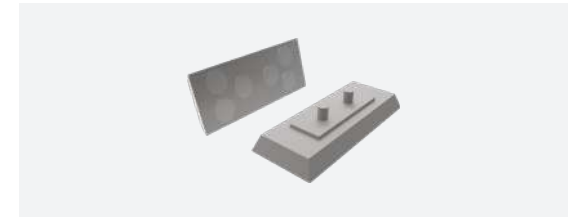
EMF Magnetic Recess Former Bayonet

Name	Load Group [ton]	Width [mm]	Length [mm]	Height [mm]
EMF 25	0.7 - 2.5	43	104	45
EMF 50	3.0 - 5.0	49	126	59
EMF 100	7.5 - 10.0	67	188	85



EHM Magnetic Holding Plate

Name	Load Group [ton]	Width [mm]	Length [mm]	Thickness [mm]
EHM 25	2.5	62	144	12
EHM 50	5.0	62	144	12
EHM 100	10.0	62	210	16



EHS Holding Screw



Name	Load Group [ton]	Width [mm]	Length [mm]
EHS 25	0.7 - 2.5	15	73
EHS 50	3.0 - 5.0	30	85
EHS 100	5.3 - 10.0	40	128
EHS 260	12.5 - 26.0	65	178

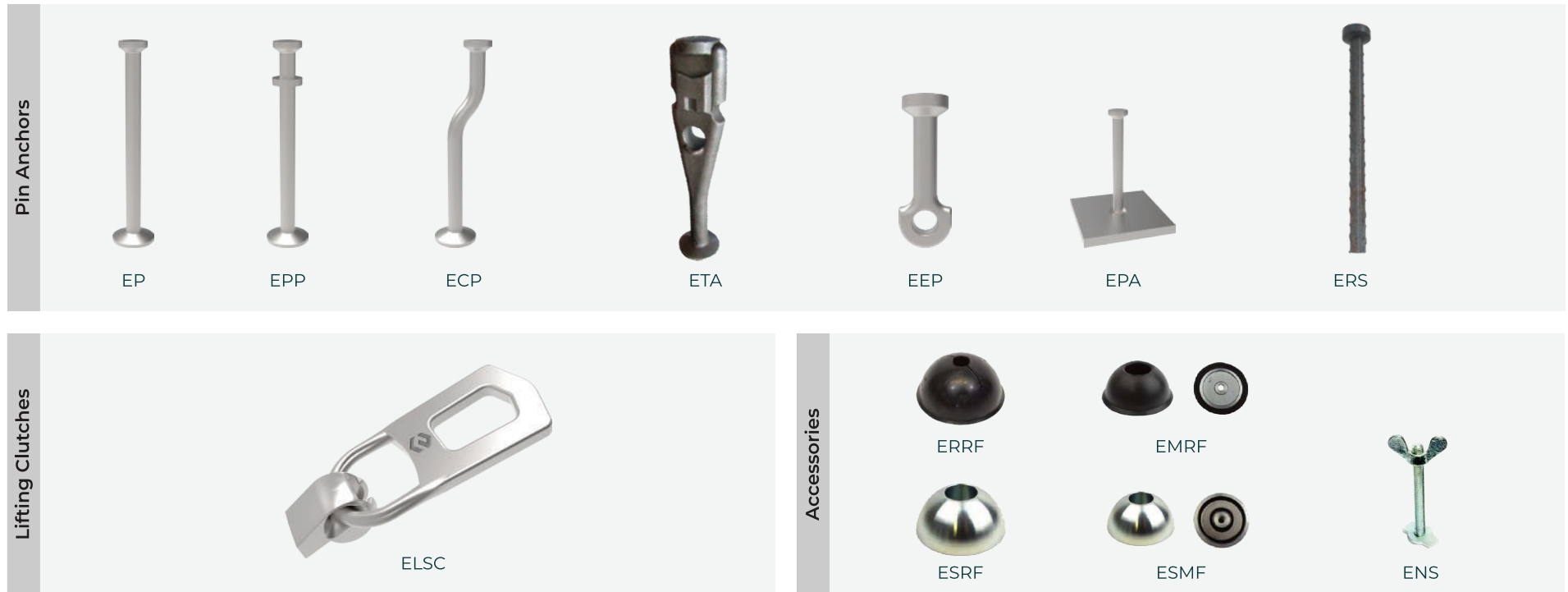
EHP Holding Plate

Name	Load Group [ton]	Length [mm]	Width [mm]	Thickness [mm]	Pin Width [mm]
EHP 13	0.7- 1.3	70	15	4	10
EHP 25	1.4 - 2.5	73	15	4	10
EHP 50	3.0 - 5.0	85	30	4	10
EHP 100	5.3 - 10.0	128	40	6	12
EHP 260	12.5 - 26.0	178	65	8	12



ENDURA PIN ANCHOR SYSTEM

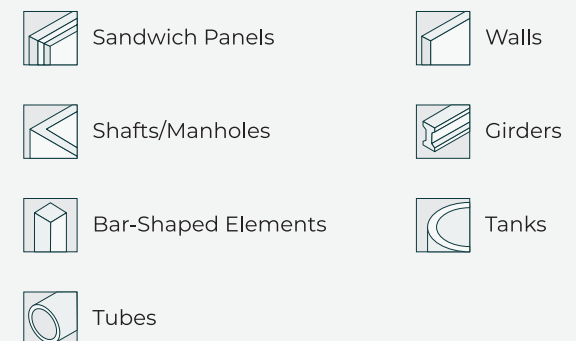
Pin Anchor Lifting Systems, also known as Spherical head Lifting Systems consists of Lifting Anchors, Lifting Accessories such as lifting clutch, recess former, and holding screws. This System is designed to provide a secure and stable lifting point for heavy loads. It is commonly used in applications such as precast concrete panels, bridge girders, and other structural components.



Features and Advantages:

- Provides a secure and stable lifting point for heavy loads. Its design ensures that the load is evenly distributed and there is minimal risk of slippage or detachment during lifting.
- The anchor can be used in horizontal, vertical, or angular lifting situations, making it a versatile and flexible solution for many different projects.
- Offers Quick (un)coupling of the lifting device into the anchor.
- The Plate Anchor is designed to be easy to install and remove, which can save time and reduce labor costs on construction projects.
- The anchor is made of high-quality steel and is designed to withstand heavy loads and harsh environmental conditions.
- The secure lifting point and even load distribution reduce the risk of accidents and injuries during lifting.
- Available in Load capacities ranging from 1.3 to 32 Tons.

Recommended Use:



EP (Pin) Anchor

Lifting Group	H [mm]	ØD1 [mm]	ØD2 [mm]	d [mm]
1.3t	40, 50, 65, 85, 120, 240	18	25	10
2.5t	55, 65, 85, 120, 170, 280	25	35	14
4.0t	75, 100, 120, 170, 210, 340	36	45	18
5.0t	85, 95, 120, 160, 180, 240, 340, 480	36	50	20
7.5t	100, 120, 140, 165, 200, 240, 300, 540	46	60	24
10.0t	115, 135, 150, 170, 250, 340, 680	46	70	28
15.0t	140, 165, 200, 300, 400, 840	69	85	34
20.0t	200, 240, 250, 340, 500, 1000	69	98	38
32.0t	320, 700, 1200	88	135	50

Part Name	Material	Material Type	Standard
ESB	S355J2	Uncoated	EN 10025
ESBez	S355J2	Electro-Zincd	EN 10025
ESBhdg	S355J2	Hot-Dip Galvanized	EN 10025
ESBs	1.4301	Stainless Steel	EN 10088
ESBa	1.4401	Acid Resistant Steel	EN 10088

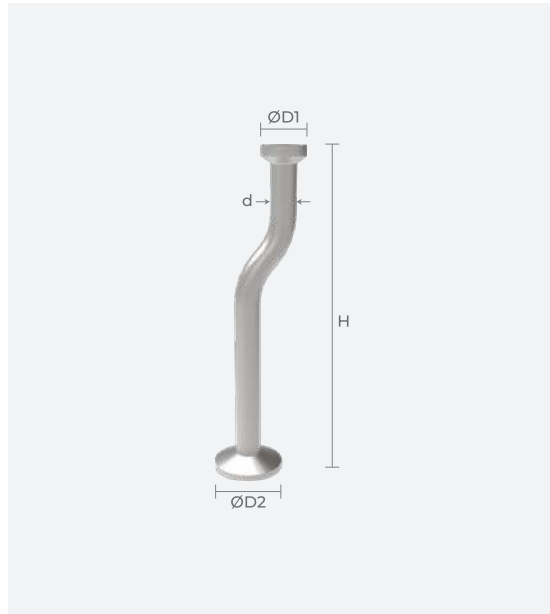


ETA (Tilt) Anchor



Name	Length [mm]	Pallet Size
ETA 13	120	4000
ETA 25	170	1600
ETA 50	240	600

ECP (Curved Pin) Anchor



Lifting Group	H [mm]	ØD1 [mm]	ØD2 [mm]	d [mm]
2.5t	265	25	35	14
5.0t	406, 466-1, 466-2	36	50	20
7.5t	664	46	60	24
10.0t	667	46	70	28

Part Name	Material	Material Type	Standard
ECP	S355J2	Uncoated	EN 10025
ECPeZ	S355J2	Electro-Zincd	EN 10025
ECPHdg	S355J2	Hot-Dip Galvanized	EN 10025
ECPs	1.4301	Stainless Steel	EN 10088
ECPa	1.4401	Acid Resistant Steel	EN 10088

EEP (Eye Pin) Anchor

Lifting Group	H [mm]	ØD1 [mm]	ØD2 [mm]	d [mm]
1.3t	65	18	22	10
2.5t	90	25	32	14
5.0t	120	36	43	20
10.0t	180	46	20	28

Part Name	Material	Material Type	Standard
EEP	S355J2	Uncoated	EN 10025
EEPez	S355J2	Electro-Zincd	EN 10025
EEPHdg	S355J2	Hot-Dip Galvanized	EN 10025
EEPs	1.4301	Stainless Steel	EN 10088
EEPa	1.4401	Acid Resistant Steel	EN 10088



EPP (Pipe Pin) Anchor

Name	Length [mm]	Pallet Size
EPP 13	55	10000
EPP 13	85	9500
EPP 13	120	7000
EPP 25	55	5700
EPP 25	85	4000
EPP 25	110	4000
EPP 25	120	3600
EPP 25	170	2700
EPP 25	240	3000
EPP 50	75	2450
EPP 50	80	2450
EPP 50	120	1600
EPP 50	240	1000



EPA (Plate) Anchor



Name	Length [mm]	Pallet Size
EPA 25	55	2400
EPA 25	85	2000
EPA 25	120	2000
EPA 50	55	1000
EPA 50	65	1000
EPA 50	95	1000
EPA 50	110	800
EPA 100	115	500

ERS (Rod Slot) Anchor



Name	Length [mm]	Pallet Size
ERS 25	400	1000
ERS 25	520	1020
ERS 50	580	500
ERS 50	790	400
ERS 50	900	300
ERS 75	750	150
ERS 75	1150	100
ERS 100	870	100
ERS 100	1300	100
ERS 150	1080	50
ERS 150	1550	50

ELSC (Lifting Clutch)

Name	Load Group [ton]	Length [mm]
ELSC 13	1.0 - 1.3	165
ELSC 25	2.0 - 2.5	205
ELSC 50	4.0 - 5.0	240
ELSC 100	7.5 - 10.0	346
ELSC 200	15.0 - 20.0	520
ELSC 320	32.0	590
ELSC 450	45.0	590



ERRF Rubber Recess Former

Name	Load Group [ton]	Height [mm]	Width [mm]	Hole Dia. [mm]
ERRF 13	1.3	32	66	10
ERRF 25	2.5	39	80	14
ERRF 50	5.0	48	100	20
ERRF 75	7.5	48	100	24
ERRF 100	10.0	61	128	28
ERRF 150	15.0	61	128	38
ERRF 200	20.0	80	170	40
ERRF 320	32.0	107	236	50
ERRF 450	45.0	107	236	50



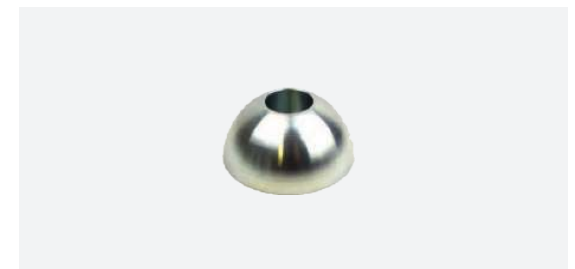
EMRF Magnetic Rubber Former



Name	Load Group [ton]	Height [mm]	Width [mm]	Hole Dia. [mm]
EMRF 13	1.3	27	60	19
EMRF 25	2.5	32	79	30
EMRF 50	5.0	42	93	69
EMRF 100	10.0	52	116	48

ESRF Steel Round Recess Former

Name	Load Group [ton]	Height [mm]	Width [mm]	Hole Dia. [mm]
ESRF 13	1.3	36	63	20
ESRF 25	2.5	44	80	30
ESRF 50	5.0	54	101	37
ESRF 100	10.0	72	129	48



ESMF Magnetic Steel Round Recess Former



Name	Load Group [ton]	Height [mm]	Width [mm]	Hole Dia. [mm]
ESMF 13	1300	36	63	19
ESMF 25	2500	44	74	26
ESMF 50	5000	54	96	36
ESMF 100	10000	72	122	45

ENS (Nut & Screw)

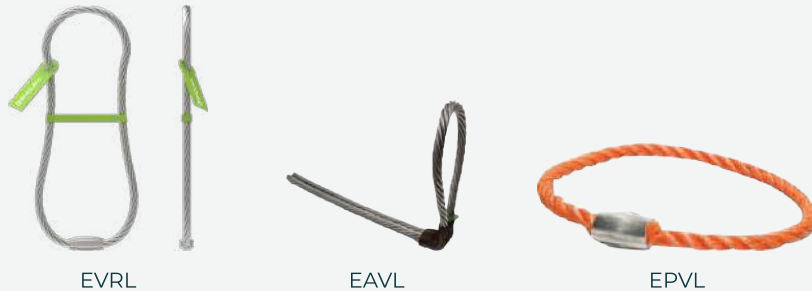
Name	Load Group [ton]	Thread [m]	Length [mm]
ENS 13	1.0 - 1.3	8	100
ENS 25	2.0 - 2.5	10	100
ENS 50	4.0 - 5.0	10	100
ENS 75 - 100	7.5 - 10.0	12	100
ENS 150 - 200	15.0 - 20.0	12	100
ENS 320	32.0	16	100



ENDURA OTHER LIFTINGS

Cast-in lifting hoops are the transport systems which offers simple but powerful transport anchors on the one hand and extremely cost-effective solutions for high load-bearing capacities on the other. EVRL, EAVL and EAPL are the lifting hoops and no special lifting device is required for the system. The range of application includes light to very heavy precast elements.

Cast-in Lifting Hoops



EVRL

EAVL

EPVL

Easy Lifting Utility Anchors



ELUA



ELRF



ELHP

Features and Advantages:

- The Cast-in lifting hoops requires no lifting clutch.
- These are available in standard sizes up to 25 Tons, custom sizes are also available for our users.
- These are Ideal for precast concrete units with unexposed sides after lifting.
- It is cost effective transport anchor system.

ENDURA also provides application-specific custom anchors to enable lifting of special components. This enables our users to have solutions for numerous special applications.

Recommended Use:



Girders



Walls



Bar-Shaped Elements



Floor and Roofing Slabs



Size	H [mm]	L [mm]	ds [mm]	L1 [mm]	a [mm]	a1 [mm]	d [mm]
EVRL 8	200	85	6	65	27	5	12
EVRL 12	225	90	7	70	32	5	14
EVRL 16	245	100	8	70	36	5	16
EVRL 20	265	125	9	95	40	5	18
EVRL 20	900	270	9	180	44	10	20
EVRL 25	285	140	10	115	45	5	20
EVRL 40	345	160	12	130	54	5	24
EVRL 52	390	180	14	160	63	5	28
EVRL 63	415	210	16	180	72	5	32
EVRL 80	460	220	18	170	100	15	36
EVRL 100	510	250	20	180	90	10	40
EVRL125	570	280	22	225	99	10	44
EVRL 160	640	295	24	240	108	10	48
EVRL 200	715	320	28	260	117	10	56
EVRL 250	800	380	30	300	126	10	60

EAVL Angled Wire Loop

Name	Length [mm]	Rope Dia. [mm]	Height [mm]
EAVL 16	330	8	150
EAVL 25	330	10	150
EAVL 40	380	12	230
EAVL 52	380	14	230



EPVL Polypropylene Wire Loop

TRANSPORT ANCHOR SYSTEM
Other Lifting System

Name	Length [mm]	Rope Dia. [mm]
EPVL 15	200	6
EPVL 25	220	8
EPVL 36	235	10
EPVL 50	255	12
EPVL 87.5	280	14
EPVL 100	330	16
EPVL 120	330	18



ELUA Easy Lift Utility Anchor



Name	Load Group [ton]	Length [mm]	Width [mm]	Pallet Size
ELUA 14	1.4	80	145	3000
ELUA 35	3.5	95	173	2000
ELUA 50	5.0	120	188	1200
ELUA 75	7.5	170	254	600

ELRF Easy Lift Recess Former

Name	Load Group [ton]	Height [mm]	Length [mm]
ELRF 50	1.4 - 5.0	83	207
ELRF 75	7.5	86	254



ELHP Easy Lift Holding Plate



Name	Load Group [ton]	Length [mm]	Width [mm]	Thickness [mm]
ELHP 50	1.4 - 5.0	118	48	5
ELHP 75	7.5	117	46	6

ENDURA FIXING SYSTEMS

Fixing Inserts typically involves using specialized inserts or lifting anchors to lift and suspend heavy loads during construction or industrial applications. This system allows for safe and efficient lifting, positioning, and support of various components such as precast panels, beams, or other heavy objects.

Features and Advantages:

EFB Fixing Insert with Crossbar: Inserts consist of an inner threaded insert tube with a cross-pin for anchoring into concrete elements. They are specifically designed for on-site installation of precast elements. These inserts are used as fixing inserts for wall support and can also serve as lifting inserts for slab lifting purposes.

EFE Fixing Insert with Flat End: inserts are similar to EFB inserts but have a flat end. They must always be used with rebar. When subjected to lateral tension, lifting sockets with flat ends have half the load-bearing capacity compared to axial tension. The socket is supplied with a flat end with a punched hole to accommodate additional reinforcement.

EFP Fixing Socket with Crosspin: Designed for convenient and rapid connection of precast units with ample placement tolerances, Fixing Sockets with Cross Pin offer a solution that ensures ease of use. These sockets are suitable for situations where on-site fixing tolerances can be flexibly accommodated. This innovative design eliminates the need for additional reinforcement, making it an excellent choice for shallow elements.

EFBP (Bolted Plate) Anchor: The fixing and positioning bolt anchor is produced by combining a threaded socket with a standard screw and anchor plate.

EFA Bolt Anchor Fixing Sockets: The Lifting & Fixing Bolt Anchor is suitable for transporting precast concrete components of varying dimensions. The load is transferred into the concrete through the bolt.

EFPS Prop Socket: A metric threaded fixing socket perfectly suited for connecting temporary supports to wall panels. These sockets can be employed with or without supplementary anchorage reinforcement. The minimum required concrete strength is 25N/mm².

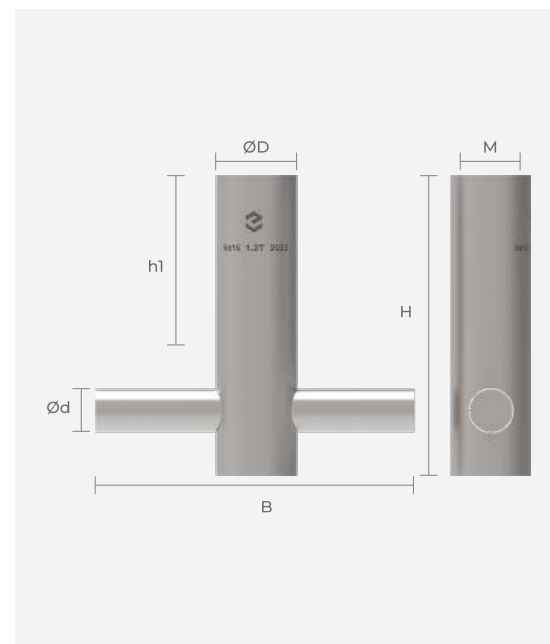
EFAS Angled Fixing Sockets: Angled Fixing Sockets are purpose-built for the swift and straightforward connection of precast units, accommodating generous placement tolerances. These sockets are ideally suited for scenarios where on-site fixing tolerances can be adjusted flexibly. Please note these sockets are not suitable for lifting operations.

Material Options: EV and EVF inserts are available in varied materials, including stainless steel and acid-resistant steel. These material options provide durability and resistance to corrosion, making them suitable for various construction applications.

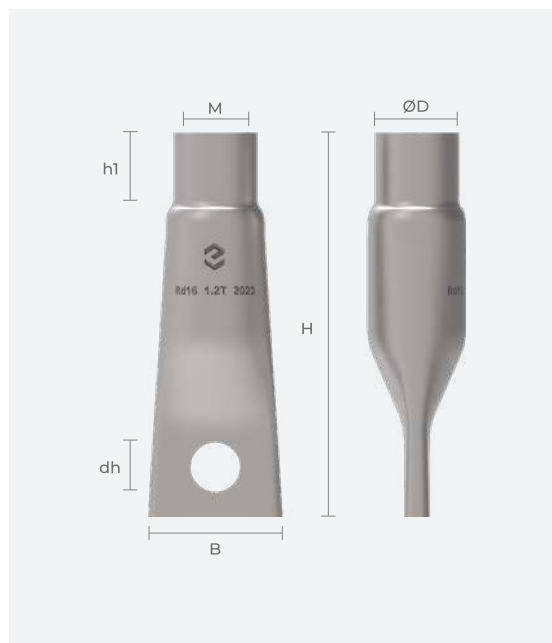


Size	M 10x45	M 10x50	M 10x60	M 12x50	M 12x70	M 16x50	M 16x70	M 16x90	M 20x100	M 24x120	M 24x150
M [mm]	10	10	10	12	12	16	16	16	20	24	24
H [mm]	45	50	60	50	70	50	70	90	100	120	150
h1 [mm]	20	20	20	24	24	28	32	32	35	45	45
øD [mm]	15	15	15	18	18	24	24	24	28	34	34
B [mm]	6	8	8	8	10	8	10	10	12	15	15
dh [mm]	50	60	60	60	75	60	75	75	85	110	110

Lifting Anchor	Material	Material Type	Standard
Socket EFB	S235J0 OR equivalent	Electro-Zincd	EN 10025
Socket EFBs	1.4301	Stainless Steel	EN 10088
Cross Pin	S235J0 OR equivalent	Electro-Zincd	EN 10025



EFE Fixing Insert with Flat End



Size	M 6x35	M 6x40	M 6x50	M 8x40	M 10x45	M 10x57	M 12x55	M 12x65	M 16x80	M 16x100	M 20x95	M 20x100	M 20x120	M 24x120	M 30x150
M [mm]	6	6	6	8	10	10	12	12	16	16	20	20	20	24	30
H [mm]	35	40	50	40	45	57	55	65	80	100	95	100	120	120	150
h1 [mm]	5	5	5	8	9	9	11	11	15	15	17	17	17	20	28
øD [mm]	8.5	8.5	8.5	12	14	15	17	17	22	22	28	28	28	32	40
B [mm]	13	13	13	17	20	21	24	24	32	32	40	40	40	46	57
dh [mm]	6.3	6.3	6.3	8.3	10.3	10.3	12.1	12.1	12.1	12.1	14.2	14.2	14.2	14.2	16.0

Lifting Anchor	Material	Material Type	Standard
EFE	S235J0 OR equivalent	Electro-Zincd	EN 10025
EFEs	1.4301	Stainless Steel	EN 10088
EFEa	S235J0 OR equivalent	Electro-Zincd	EN 10025



Name	Thread Dia. [m]	Length [mm]	Pallet Size
EFP 8	8	50	24000
EFP 10	10	60	16800
EFP 12	12	60	11040
EFP 16	16	80	5760
EFP 16	16	100	3840
EFP 20	20	100	1920
EFP 24	24	120	1200

Lifting Anchor	Material	Material Type	Standard
Socket EFP	S235J0 OR equivalent	Electro-Zincd	EN 10025
Socket EFPs	1.4301	Stainless Steel	EN 10088
Cross Pin	S235J0 OR equivalent	Electro-Zincd	EN 10025

EFBP (Bolted Plate) Anchor

Name	Thread Dia. [m]	Length [mm]	Plate Size [mm]	Pallet Size
EFBP 12	12	55	40 x 40	6000
EFBP 16	16	75	50 x 50	2400
EFBP 20	20	90	60 x 60	1800
EFBP 24	24	110	80 x 80	600
EFBP 30	30	140	100 x 100	300

Lifting Anchor	Material	Material Type	Standard
Socket EFBP	S235J0 OR equivalent	Electro-Zincd	EN 10025
Socket EFBPs	1.4301	Stainless Steel	EN 10088
Bolt and Plate	Grade 8.8 OR equivalent	Medium Carbon Steel	ISO 898 – 1



EFA Bolt Anchor Fixing Socket

FIXING SYSTEM

Name	Thread Dia. [m]	Length [mm]	Pallet Size
EFA 12	12	55	7000
EFA 12	12	150	7000
EFA 16	16	75	7000
EFA 16	16	220	3000
EFA 20	20	90	3000
EFA 20	20	270	1680
EFA 24	24	200	1680
EFA 30	30	240	600

Lifting Anchor	Material	Material Type	Standard
Socket EFA	S235J0 OR equivalent	Electro-Zincd	EN 10025
Socket EFAs	1.4301	Stainless Steel	EN 10088
Bolt	Grade 8.8 OR equivalent	Medium Carbon Steel	ISO 898 – 1



EFPS Prop Socket



Name	Thread Dia. [m]	Length [mm]	Plate Dia. [mm]	Plat Thickness [mm]
EFPS 16	16	43	70	5
EFPS 16	16	45	50	3

Lifting Anchor	Material	Material Type	Standard
Socket EFPS	S235J0 OR equivalent	Electro-Zincd	EN 10025
Socket EFPSs	1.4301	Stainless Steel	EN 10088



Name	Thread Dia. [m]	Length [mm]	Pallet Size
EFAS 8	8	50	28800
EFAS 10	10	35	28800
EFAS 12	12	45	14400
EFAS 12	12	60	10000
EFAS 12	12	70	9600
EFAS 16	16	60	7200
EFAS 16	16	100	4800
EFAS 20	20	70	4800
EFAS 20	20	100	2880
EFAS 24	24	80	2400

Lifting Anchor	Material	Material Type	Standard
Socket EAFS	S235J0 OR equivalent	Electro-Zincd	EN 10025
Socket EAFSs	1.4301	Stainless Steel	EN 10088

ERR Rubber Rings

Name	Load Group [ton]	Outer Dia. [mm]	Inner Dia. [mm]	Thickness [mm]
ERR 13	1.3	21	10	11
ERR 25	2.5	31	14	12
ERR 50	5.0	38	20	14
ERR 75	7.5	49	24	20
ERR 100	10.0	49	28	20



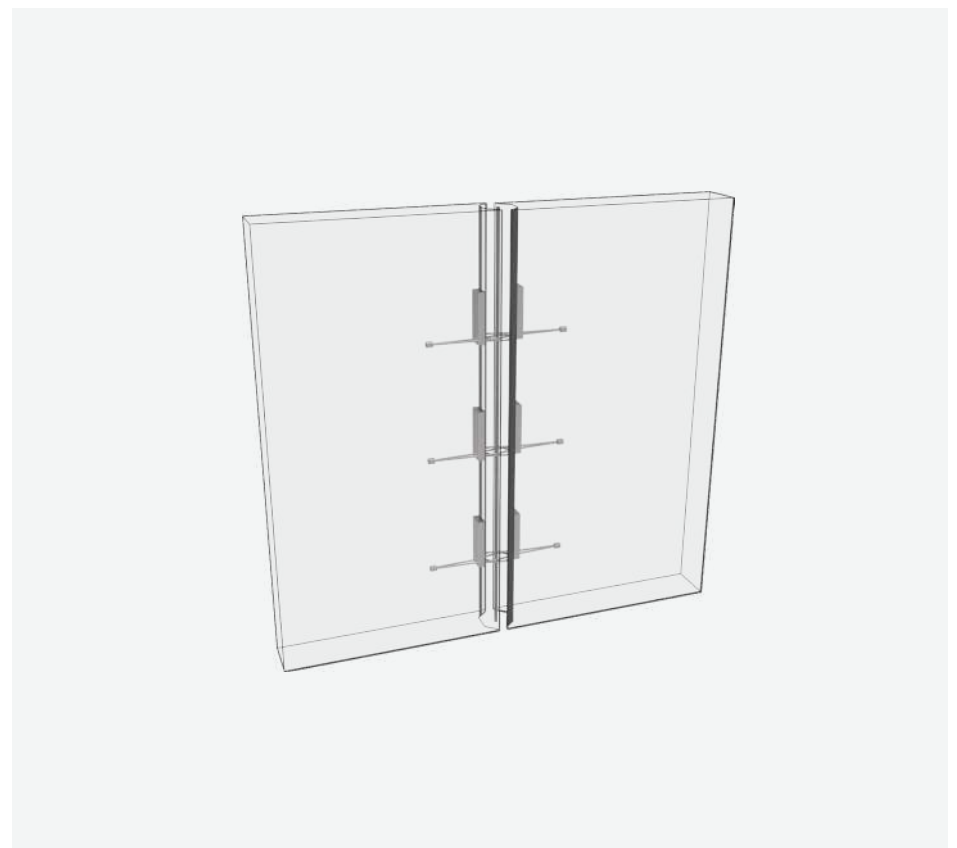
ENDURA REINFORCEMENT SYSTEMS

Wire Loop Boxes are designed for connection of different precast elements, ideally suitable for wall-to-wall or column-to-wall connections. The ENDURA Loop Boxes are high quality products. They are made of galvanized steel box, wire rope and a protective tape. Wire loop boxes are nailed to the wooden formwork or attached to the steel formwork by using the special wire loop box magnet. The wall panels are cast with concrete once all wire loop boxes are attached to the formwork in accordance with the design specifications.

ENDURA Wire Loop Boxes are available in the following standard sizes:

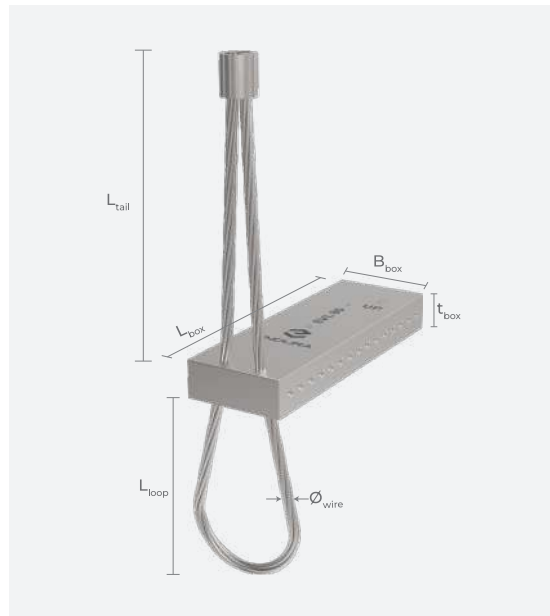
- EVL-60
- EVL-80
- EVL-100
- EVL-120
- EVL-140

The size of wire loop box can be easily identified in factory or on site by the colour coding on the protective tape.



Features and Advantages:

- Simple Installation - Each individual box is effortlessly installed onto the formwork.
- The strongly designed structure keeps the flexible wire loop in an open position.
- Placing the anchoring tail into the reinforcement is straightforward.
- Highly efficient variants are available for both precast and cast in situ structure. It is used in the connection of slabs, walls, and columns.
- The sizes can be customized as per user's requirements.



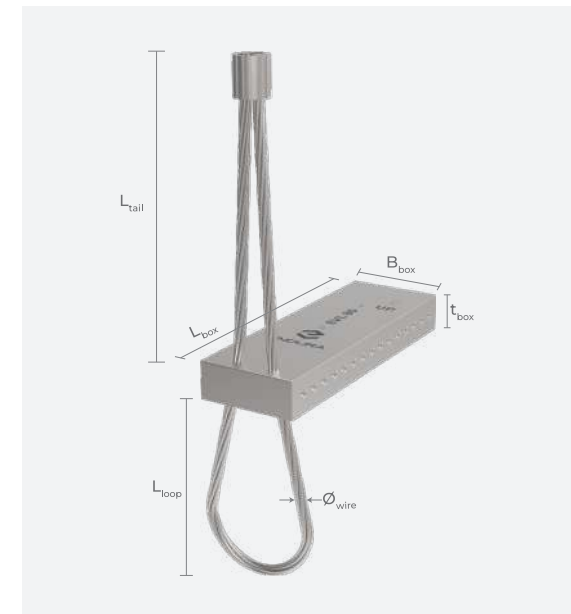
Wire Loop	L_{box} [mm]	L_{loop} [mm]	L_{tail} [mm]	B_{box} [mm]	t_{box} [mm]	$\varnothing_{wire}$ [mm]
EVL – 60	160	60	190	55	20	6
EVL – 80	160	80	190	55	20	6
EVL – 100	160	100	190	55	20	6
EVL – 120	160	120	190	55	20	6
EVL – 140	200	140	350	75	30	8

Part	Material	Standard
Box	Galvanized Steel Plate 0.5 ... 0.7 mm	SFS – EN 10130 1.0330
Ferrule	Steel Compression Sleeve $\varnothing 12$ – L25 or $\varnothing 18$ – L40	SFS – EN 10025.10046
Wire Rope	Steel Wire $\varnothing 6$ 6x19 IWRC or $\varnothing 8$ 6x19 IWRC	SFS – EN 12385 SE – zn (1770 MPa)
Protective Tape	Duct Tape	

EVL – S Single Wire Loop Box

Wire Loop	L_{box} [mm]	L_{loop} [mm]	L_{tail} [mm]	B_{box} [mm]	t_{box} [mm]	$\varnothing_{wire}$ [mm]
EVL – 60S	160	60	150	36	20	5
EVL – 80S	160	80	150	36	20	5
EVL – 100S	160	100	150	36	20	5
EVL – 120S	160	120	150	36	20	5
EVL – 140S	160	140	150	36	20	5

Part	Material	Standard
Box	Galvanized Steel Plate 0.5	SFS – EN 10130 1.0330
Ferrule	Steel Compression Sleeve $\varnothing 16$ – L28	SFS – EN 10025.10046
Wire Rope	Steel Wire $\varnothing 5$ 6x7 IWRC	SFS – EN 12385 SE – zn (1770 MPa)
Protective Tape	Duct Tape	

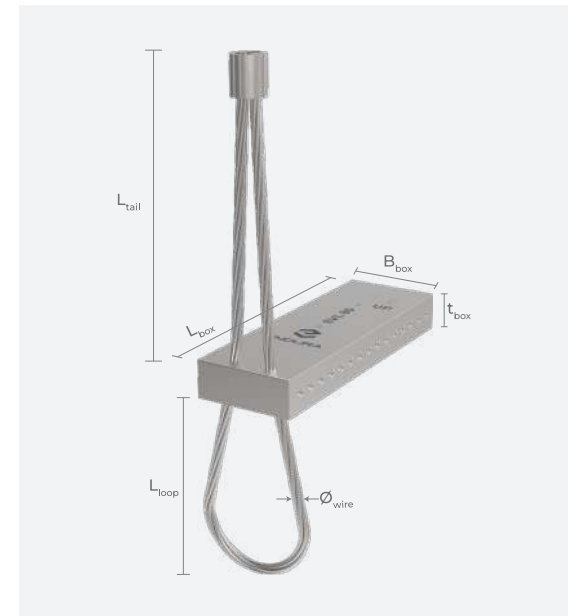


EVL – 9 Single Wire Loop Box

REINFORCEMENT SYSTEM

Wire Loop	L_{box} [mm]	L_{loop} [mm]	L_{tail} [mm]	B_{box} [mm]	t_{box} [mm]	$\varnothing_{wire}$ [mm]
EVL – 80/9	120	80	250	60	30	9
EVL – 100/9	160	100	250	60	30	9
EVL – 120/9	160	120	250	60	30	9
EVL – 140/9	200	140	250	60	30	9

Part	Material	Standard
Box	Galvanized Metal Sheet	JIS G3302
Ferrule	Alloyed Steel	EN 13411 – 3/GB/T 8162 – 2018
Wire Rope	Grade = 1770 Steel wire $\varnothing 6$ 9x19 IWRC Steel wire $\varnothing 8$ 9x19 IWRC	EN 12385 – 2/GB/T 20118 – 2006
Protective Tape	Duct Tape	



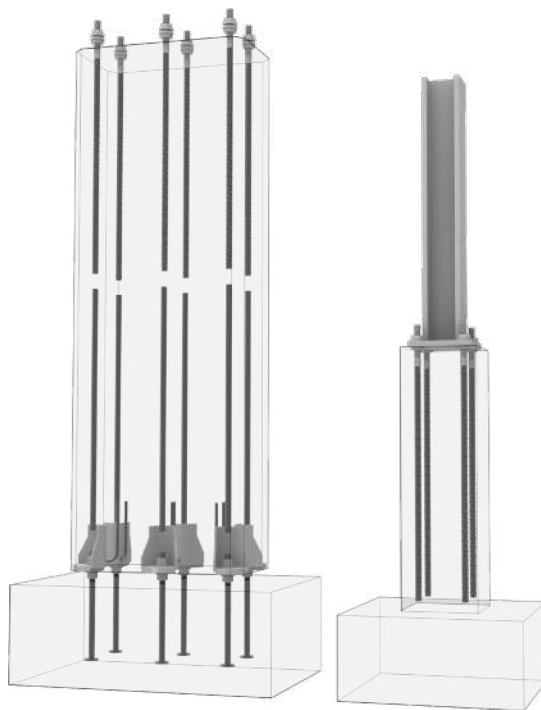
ENDURA BOLTED CONNECTION SYSTEMS

Bolted connections play a crucial role in providing quick, safe, and efficient connections between precast concrete elements in various types of buildings, including warehouses, residential, structures, and industrial facilities. ENDURA Bolted Connections ensure the stability and integrity of the overall structure. There are several products offered by ENDURA in bolted connections systems:

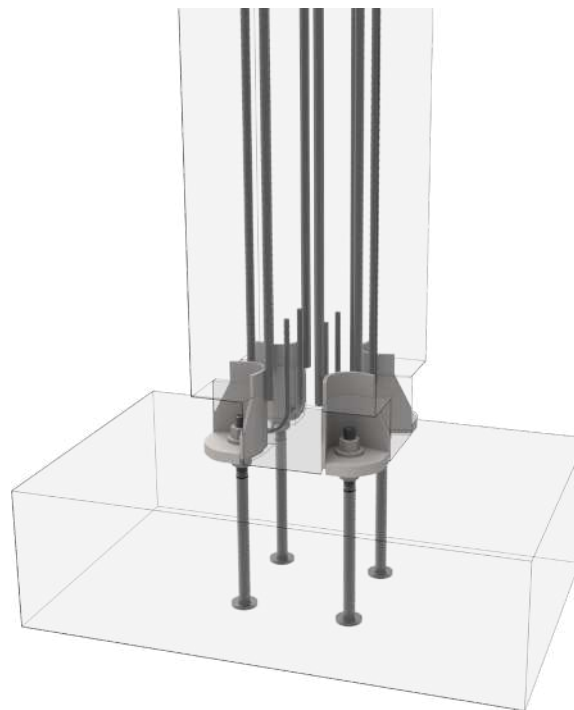
ENDURA Anchor Bolts are fastening items used to connect both concrete elements (e.g., foundation-column, column-column, foundation-wall, wall-wall) and steel elements (such as steel columns, trusses, beams, and other steel products). They provide a secure connection between the elements, ensuring structural stability.

ENDURA Column Shoe is unique and cost-efficient fastening solution designed for fast connections between precast concrete and steel structures. It is primarily used for foundation column and column-column connections. The column shoe enables easy and precise alignment of the precast column with the steel structure, ensuring a reliable and durable connection.

ENDURA Wall Shoes are fastening elements used to create fast and reliable connections between precast concrete walls or between the foundation and a wall. These shoes ensure the proper alignment and secure connection of the walls, contributing to the overall structural stability and integrity of the building.



Anchor Bolt



Column Shoe System



Wall Shoe System

By utilizing ENDURA bolted connection products, construction professionals can achieve efficient assembly and installation of precast concrete elements, reducing construction time and enhancing safety during the construction process.

EBB – Short (Normal Capacity) Anchor Bolt

Size	EBB-S-M16	EBB-S-M20	EBB-S-M24	EBB-S-M30	EBB-S-M39
H [mm]	280	350	430	500	700
h [mm]	140	140	170	190	200
h1 [mm]	140	210	260	310	500
Øds [mm]	16	20	25	32	40
Ødh [mm]	36	46	55	70	90

Component	Material	Material Type	Standard
Ribbed Bars	B500B	Electro-Zincd	EN 10080
Washers	S355J2 + N	Electro-Zincd	EN 10025-2
Nuts	Grade 8	Medium Carbon Steel	ISO 898-1
Bottom Stud (for welded type)	S355J2 + N	Electro-Zincd	EN 10025-2



EBB – Long (Normal Capacity) Anchor Bolt



Size	EBB-L-M16	EBB-L-M20	EBB-L-M24	EBB-L-M30	EBB-L-M39
H [mm]	810	960	1160	1460	2000
h [mm]	140	140	170	190	200
h1 [mm]	140	210	260	310	500
Øds [mm]	16	20	25	32	40

Component	Material	Material Type	Standard
Ribbed Bars	B500B	Electro-Zincd	EN 10080
Washers	S355J2 + N	Electro-Zincd	EN 10025-2
Nuts	Grade 8	Medium Carbon Steel	ISO 898-1



Size	ESB-S-M30	ESB-S-M36	ESB-S-M39	ESB-S-M45	ESB-S-M52	ESB-S-M60
H [mm]	670	740	880	990	1140	1330
h [mm]	190	140	200	220	250	310
t [mm]	13	12	12	12	15	15
Øds [mm]	2 - 25	4 - 20	3 - 25	4 - 25	4 - 32	4 - 32
Ødh [mm]	55	46	55	55	70	70

Component	Material	Material Type	Standard
Ribbed Bars	B500B	Electro-Zincd	EN 10080
Washers	S355J2 + N	Electro-Zincd	EN 10025-2
Nuts	Grade 10	Medium Carbon Steel	ISO 898-1
Bottom Stud (for welded type)	S355J2 + N	Electro-Zincd	EN 10025-2
High Strength Steel	-	-	EN 10027

ESB – Long (High Capacity) Anchor Bolt

Size	ESB-L-M30	ESB-L-M36	ESB-L-M39	ESB-L-M45	ESB-L-M52	ESB-L-M60
H [mm]	1705	1370	1710	1720	1860	2390
h [mm]	190	190	200	220	250	310
t [mm]	13	12	12	12	15	15
Øds [mm]	2 - 25	4 - 20	3 - 25	4 - 25	4 - 32	4 - 32

Component	Material	Material Type	Standard
Ribbed Bars	B500B	Electro-Zincd	EN 10080
Washers	S355J2 + N	Electro-Zincd	EN 10025-2
Nuts	Grade 10	Medium Carbon Steel	ISO 898-2
High Strength Steel	-	-	EN 10027





Size	ESC – M16	ESC – M20	ESC – M24	ESC – M30	ESC – M39
H [mm]	597	820	1185	1390	1910
L1 [mm]	124	130	140	169	221
L2 [mm]	104	108	116	137	177
L3 [mm]	50	50	50	50	60
Ød1 [mm]	28	31	35	40	55
Ød2 [mm]	12	16	16	20	25
Ød3 [mm]	8	10	12	16	20
tp [mm]	15	20	30	45	50
Weight [kg]	2.3	4.2	6.7	12.2	26.7

Component (Column Shoe & Wall Shoe)	Material	Standard
Ribbed Bars	B500B	SFS 1300
Bottom, Side Plate	S355J2 + N	EN 10025-2

EWS Wall Shoe

Size	EWS – M30	EWS – M36	EWS – M39	EWS – M45	EWS – M52
L [mm]	145	164	164	180	210
B [mm]	130	150	150	175	230
H [mm]	1460	1765	1650	2015	2215
T [mm]	45	55	60	70	80
L1 [mm]	90	96	99	105	112
B1 [mm]	55	61	64	75	82
h [mm]	120	140	147	12	200



ENDURA MAGNETIC SYSTEMS

ENDURA offers a comprehensive range of high-quality magnetic systems designed for precast elements. Your selection may be based upon technical or economic requirements.

We can also offer customized systems as per our user's requirements.

Magnets



ESHM - Shuttering Magnet



ECM - Chamfer Magnets



ESMF - Magnetic Steel Round Recess Formers



EMRF - Magnetic Rubber Former



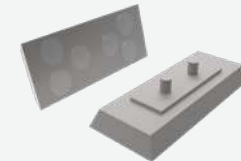
EPPM - Pipe Pin Magnetic Recess Formers



EMNP - Button Magnet



EMNP - Socket Magnet



EHM - Magnetic Holding Plate

Type	L [mm]	W [mm]	H [mm]	L ₁ [mm]	L ₂ [mm]	H ₂ [mm]	H ₃ [mm]	S [mm]	Weight [kg/pc]
ESHM - 450	170	60	43	67.5	67.5	82	75	M 12	1.7
ESHM - 600	170	60	43	71	71	82	75	M 12	1.9
ESHM - 600B	200	60	43	72.5	95.5	82	75	M 12	1.9
ESHM - 800B	190	95	43	64	92	82	75	M 12	2.7
ESHM - 900	280	60	43	122	122	82	75	M 12	2.9
ESHM - 900B	195	95	43	65	96	82	75	M 12	2.9
ESHM - 1000	200	95	43	65	100	82	75	M 12	3
ESHM - 1000B	200	95	43	65	100	82	75	M 12	3
ESHM - 1350	320	90	60	135	135	104	96	M 16	5.8
ESHM - 1350B	320	90	60	113	161	104	96	M 16	5.8
ESHM - 1800	320	120	60	135	135	106	96	M 16	7.4
ESHM - 2100	320	120	60	135	135	106	96	M 16	7.6
ESHM - 2400	320	120	60	135	135	106	96	M 16	7.6



Magnetic Nailing Plate – Button Magnet & Socket Magnet



Name	Dia. [mm]	Width [mm]	Thickness [mm]
EMNP 12	12	60	10
EMNP 16	16	60	10
EMNP 20	20	60	10
EMNP 24	24	80	10
EMNP 30	30	80	10
EMNP 36	36	110	10
EMNP 42	42	110	10
EMNP 52	52	110	10



Name	Load Group [ton]	Width [mm]	Hole Dia. [mm]
EPPM 13	1.3	60	19
EPPM 25	2.5	74	26
EPPM 50	5.0	94	36
EPPM 100	10.0	118	46

ESMF Magnetic Steel Round Recess Formers

Name	Load Group [ton]	Height [mm]	Width [mm]	Hole Dia. [mm]
ESMF 13	1.3	36	63	19
ESMF 25	2.5	44	74	26
ESMF 50	5.0	54	96	36
ESMF 100	10.0	72	122	45



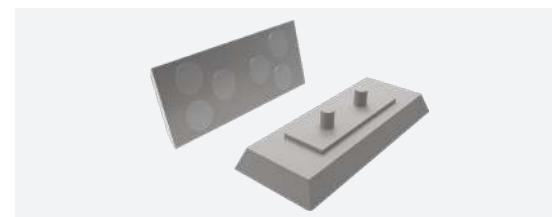
EMRF Magnetic Rubber Former



Name	Load Group [ton]	Height [mm]	Width [mm]	Hole Dia. [mm]
EMRF 13	1.3	27	60	19
EMRF 25	2.5	32	79	30
EMRF 50	5.0	42	93	69
EMRF 100	10.0	52	116	48

EHM Magnetic Holding Plate

Name	Load Group [ton]	Width [mm]	Length [mm]	Thickness [mm]
EHM 25	2.5	62	144	12
EHM 50	5.0	62	144	12
EHM 100	10.0	62	210	16



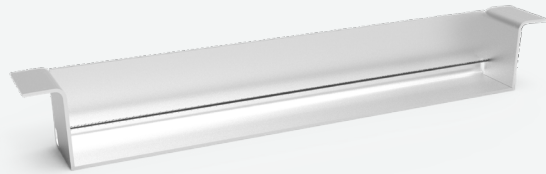
Name	L [mm]	W [mm]	Length [mm]	Magnet
ECM 10	10	10	3000	Single/Double
ECM 15	15	15	3000	Single/Double
ECM 20	20	20	3000	Single/Double
ECM 25	25	25	3000	Single/Double



ENDURA OTHER PRODUCTS

We can also offer customized products as per our user's requirements.

Other Products



ESH



CDTF



CDTC

Slab Depth [mm]	Front Plate Width, b1 (±2) [mm]	Side Plate Length, L (±2) [mm]	Side Plate Width, b2 (±2) [mm]
150	150	150	80
175	150	150	80
200	150	150	80
220	150	150	80
265	150	150	80
300	150	150	80
320	150	150	80
350	150	150	80
370	150	150	80
400	180	180	80
450	180	180	80
500	180	180	80

Part	Material	Standard
Front Plate	S355J2 + N	SFS 1300
Side Plate	S355J2 + N	EN 10025-2
Rebar B500B	B500B / BSt 500S	SFS 1300 / DIN 488





Name	Internal Dia. [mm]	Thickness [mm]	Length [mtr]
CDTF 75	75 x 25	0.4	3
CDTF 55	55 x 95	0.4	3
CDTF 60	60 x 120	0.4	3
CDTF 70	70 x 120	0.4	3
CDTF 85	85 x 55	0.4	3
CDTF 90	90 x 50	0.4	3
CDTF 110	110 x 50	0.4	3
CDTF 115	115 x 50	0.4	3
CDTF 120	120 x 50	0.4	3
CDTF 120	120 x 80	0.4	3
CDTF 165	165 x 65	0.4	3

Corrugated Dowel Tube (CDT) Circular

Name	Internal Dia. [mm]	Thickness [mm]	Length [mtr]	Weight [Kg/mtr]
CDTC 40	40	0.5	3	0.37
CDTC 50	50	0.5	3	0.47
CDTC 60	60	0.5	3	0.55
CDTC 65	65	0.5	3	0.60
CDTC 70	70	0.5	3	0.65
CDTC 80	80	0.5	3	0.73
CDTC 90	90	0.5	3	0.80
CDTC 100	100	0.5	3	0.90
CDTC 120	120	0.5	3	1.05
CDTC 135	135	0.5	3	1.16
CDTC 150	150	0.5	3	1.32



MEET OUR TEAM

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At Endura Global, our team brings together expertise in precast engineering, technical solutions, business development, and customer relationships. We work closely with precast manufacturers, contractors, developers, and consultants to understand project requirements and provide reliable solutions for lifting, connection, fixing, and production applications.

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Amit Gupta

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Usage and Safety Directives for ENDURA Products

Product Enhancements and Specifications We reserve the right to refine and adjust product specifications, designs, and models without prior notification. Our purpose is to consistently elevate product performance and ensure safety. Our commitment to improvement is unwavering.

Assured Quality Steel Every ENDURA product is meticulously fashioned using steel chosen based on meticulous criteria encompassing strength, thickness, formability, finish, and weldability. Detailed steel information for each product is available upon direct inquiry.

Accurate Information Unless stated otherwise, all measurements are in millimeters, while loads are measured in Mpa, KGS, or TONNES. Precision is our foundation for clear comprehension.

Tailored Product Models Certain model configurations may deviate from the illustrations in this catalog. For comprehensive insights, please reach out to ENDURA directly.

Welding Considerations Refrain from welding listed products unless explicitly specified for welding or with written authorization from ENDURA. Certain steel types present welding challenges that may result in cracks, compromising load-bearing capacity.

Upholding Product Safety Avoid overloading. Always adhere to catalog-approved load limits to protect connections and avert potential hazards.

Prioritizing Product Safety Utilize ENDURA products only when both you and your installers have fully understood the pertinent product information. Contractors are responsible for training their teams in the proper use and installation of our products.

Flawless Product Installation Incorrect usage, misuse, inadequate supervision, or insufficient inspection can lead to serious incidents. If you have any doubts regarding product application, consult ENDURA for clarifications and conduct prudent field tests before full implementation.

Monitoring Wear on Working Components Regularly inspect construction-related working components due to factors such as wear, misuse, corrosion, overloading, and alterations. Vigilance is key to sustaining optimal product performance.

Diverse Product and Coating Finishes ENDURA provides a range of coatings and finishes to cater to various corrosion resistance requirements. These choices are designed to meet specific needs, reflecting our commitment to versatility.

Note: The aforementioned directives are carefully crafted to enhance your understanding and ensure your safety when using ENDURA products. We prioritize your well-being and the exceptional performance of our offerings.



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