

Liebig Anchor Expansion Anchor Systems

LIEBIG ANCHOR

The Liebig Anchor is a heavy-duty, general purpose anchor for use in cracked and non-cracked concrete applications.

PERFORMANCE FEATURES:

- High capacity in cracked and non-cracked concrete (C20/25 to C50/60)
- Suitable for interior and exterior applications
- Load range from 2-37 kN (tension) and 5-55 kN (shear)

MATERIAL:

- Grade 8.8 carbon steel
- A4-70 stainless steel

FINISH: Zinc plated and blue passivated (Grade 8.8)

APPROVAL: ETA-06/0123—Option 1—Carbon steel, zinc plated

INSTALLATION: Through-fix installation shown

1. Drill hole
2. Clean hole (blowing)
3. Insert anchor through fixture
4. Apply recommended fastening torque with a calibrated torque-wrench

APPLICATIONS: Through-fix installation shown

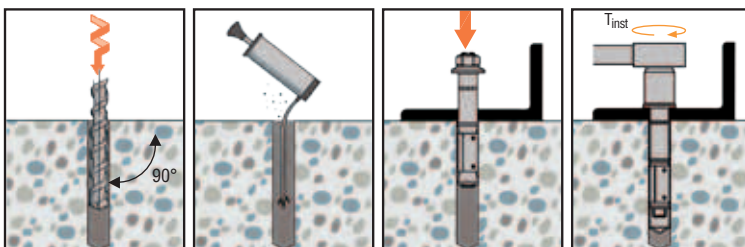
- Steel construction
- Railings
- Gates
- Lifting systems
- Cable trays
- Machines
- Facades
- Base plates



Typ AS



Installation Through-fix installation



Drill hole

Clean hole (blowing)

Insert anchor through fixture

Apply recommended fastening torque with a calibrated torque-wrench



AS with hex head screw and domed washer

Liebig Anchor Expansion Anchor Systems**Carbon steel, zinc plated****LIEBIG ANCHOR AS**

Hex head screw and domed washer

Material: Grade 8.8 carbon steel, zinc plated and blue passivated

Approval: ETA-06/0123 – Option 1

New Type	Old Type	Order Code	Thread-Size	Ø Depth of Drilled Hole	Max. Fixture Thickness	Ø Fixture Hole	Eff. Embedment Depth	Total Length	Installation Torque	Weight	Box Quantity
				d _o x h ₁	t _{fix}	d _f	h _{ef}	L	T _{inst}		
			[mm]	[mm]	[mm]	[mm]	[mm]	[N _m]	[kg/100 pcs]	[pcs]	
AS M6-10/45/5	AS 10/0	LAS0610045005	M6	10 x 60	5	12	45	70	8	2.7	50
AS M6-10/45/15	AS 10/15	LAS0610045015	M6	10 x 60	15	12	45	80	8	3.4	50
AS M6-10/45/40	AS 10/40	LAS0610045040	M6	10 x 60	40	12	45	105	8	4.6	50
AS M8-12/55/5	AS 12/0	LAS0812055005	M8	12 x 70	5	14	55	80	20	5.8	25
AS M8-12/55/15	AS 12/15	LAS0812055015	M8	12 x 70	15	14	55	90	20	7.0	25
AS M8-12/55/40	AS 12/40	LAS0812055040	M8	12 x 70	40	14	55	115	20	9.0	25
AS M10-15/65/5	AS 15/0	LAS1015065005	M10	15 x 85	5	17	65	95	50	11.0	25
AS M10-15/65/15	AS 15/15	LAS1015065015	M10	15 x 85	15	17	65	105	50	12.8	25
AS M10-15/65/40	AS 15/40	LAS1015065040	M10	15 x 85	40	17	65	130	50	16.0	10
AS M12-20/80/5	AS 20/0	LAS1220080005	M12	20 x 100	5	21	80	113	75	20.8	10
AS M12-20/80/15	AS 20/15	LAS1220080015	M12	20 x 100	15	21	80	123	75	24.8	10
AS M12-20/80/40	AS 20/40	LAS1220080040	M12	20 x 100	40	21	80	148	75	29.0	10
AS M16-25/100/15	AS 25/15	LAS1625100015	M16	25 x 125	15	26	100	155	170	48.4	5
AS M16-25/100/40	AS 25/40	LAS1625100040	M16	25 x 125	40	26	100	180	170	56.7	5

Custom lengths available on request.

A4 stainless steel**LIEBIG ANCHOR AS**

Hex head screw and domed washer

Material: A4-70 stainless steel

New Type	Old Type	Order Code	Thread-Size	Ø Depth of Drilled Hole	Max. Fixture Thickness	Ø Fixture Hole	Eff. Embedment Depth	Total Length	Installation Torque	Weight	Box Quantity
				d _o x h ₁	t _{fix}	d _f	h _{ef}	L	T _{inst}		
			[mm]	[mm]	[mm]	[mm]	[mm]	[N _m]	[kg/100 pcs]	[pcs]	
AS M6-10/45/5 A4	AS 10/0 A4	AS0610045005A4	M6	10 x 60	5	12	45	70	10	2.9	50
AS M6-10/45/15 A4	AS 10/15 A4	AS0610045015A4	M6	10 x 60	15	12	45	80	10	3.4	50
AS M8-12/55/15 A4	AS 12/15 A4	AS0812055015A4	M8	12 x 70	15	14	55	90	25	7.0	25
AS M8-12/55/40 A4	AS 12/40 A4	AS0812055040A4	M8	12 x 70	40	14	55	115	25	9.0	25
AS M10-15/65/15 A4	AS 15/15 A4	AS1015065015A4	M10	15 x 85	15	17	65	105	50	12.8	25
AS M10-15/65/40 A4	AS 15/40 A4	AS1015065040A4	M10	15 x 85	40	17	65	130	50	16.0	10
AS M12-20/80/15 A4	AS 20/15 A4	AS1220080015A4	M12	20 x 95	15	21	80	123	80	24.8	10
AS M12-20/80/40 A4	AS 20/40 A4	AS1220080040A4	M12	20 x 95	40	21	80	148	80	29.0	10

Custom lengths available on request.