

Drop-Forged Foot Erection Anchor

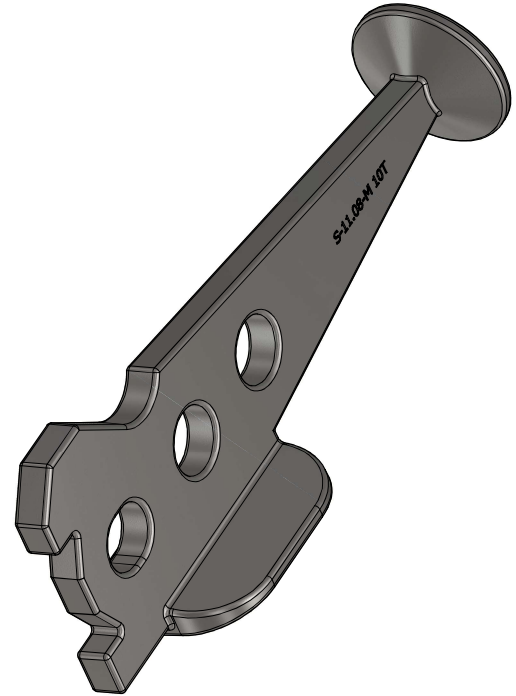
Ideal for precast concrete edge lifts and rotation of thin-walled sections

The Drop-Forged Foot Erection Anchor has a specially designed shape for precast concrete edge lifts that make it easier to install without reducing the load capacity.

The protrusions or “ears” at the top of the anchor restrict rotation during lifting, protecting the concrete from spalling. The body is shaped to allow for full panel reinforcement, providing support during lifting. The integrated foot eliminates the need for an additional shear bar, simplifying anchor installation.

During panel rotation, the sling angle should be perpendicular to the surface. The anchors will not be bearing the full weight of the panel.

Once the panel has been rotated to vertical, the tension is initiated. During this phase, the drop forged foot at the bottom develops a tension load.



The 2.5-Ton, 5-Ton, and 10-Ton Drop-Forged Foot Erection Anchors are supplied with a galvanized finish to resist corrosion.

Drop-Forged Foot Erection Anchor						
Part No.	Anchor	Clutch	Width	Length	Plate	Tension*
SBDFFEA2.5TG	2.5 Ton	2.5 Ton	2-1/2"	8"	2-1/2"x3-1/2"	5,500 lbs
SBDFFEA5TG	5 Ton	4-5 Ton	3-1/2"	10"	3"x4"	11,000 lbs
SBDFFEA10TG	10 Ton	8-10 Ton	4-1/2"	12-1/2"	3-1/4"x4"	22,000 lbs

- Safe Working Load (SWL) based on testing at 4:1 safety factor in 3,500 psi concrete.
- Safe Working Load (SWL) in thin slab or low strength concrete can be achieved by using a tension bar through the bottom hole of the anchor.
- Anchor is designed to match the capacity of the 5-Ton and 10-Ton Ring-Lift hardware.

Drop-Forged Foot Erection Anchor

Anchor	Lifter	Panel Thickness	Shear Load (no Shear Bar) Transport Value 4:1 SF*	Shear Load (no Shear Bar) Tilt-Up Value 2.66:1 SF*	Tension Load w/o Tension Bar 4:1 SF*	Tension Load w/ Tension Bar 4:1 SF*
2.5 Ton	2.5 Ton	4"	1,350 lbs	2,000 lbs	2,500 lbs	5,500 lbs
2.5 Ton	2.5 Ton	5"	1,650 lbs	2,500 lbs	3,100 lbs	5,500 lbs
2.5 Ton	2.5 Ton	6"	1,950 lbs	2,950 lbs	3,700 lbs	5,500 lbs
2.5 Ton	2.5 Ton	7"	2,250 lbs	3,450 lbs	4,300 lbs	5,500 lbs
2.5 Ton	2.5 Ton	8"	2,600 lbs	3,950 lbs	5,000 lbs	5,500 lbs
2.5 Ton	2.5 Ton	9"	2,950 lbs	4,400 lbs	5,300 lbs	5,500 lbs
2.5 Ton	2.5 Ton	10"	3,300 lbs	5,000 lbs	5,500 lbs	5,500 lbs
2.5 Ton	2.5 Ton	11"	3,650 lbs	5,550 lbs	5,500 lbs	5,500 lbs
2.5 Ton	2.5 Ton	12"	4,100 lbs	5,950 lbs	5,500 lbs	5,500 lbs
5 Ton	4-5 Ton	5-1/2" min	2,950 lbs	4,020 lbs	5,750 lbs	11,000 lbs
5 Ton	4-5 Ton	6"	3,200 lbs	4,200 lbs	7,200 lbs	11,000 lbs
5 Ton	4-5 Ton	7"	3,400 lbs	4,670 lbs	8,000 lbs	11,000 lbs
5 Ton	4-5 Ton	8"	3,800 lbs	5,454 lbs	10,200 lbs	11,000 lbs
5 Ton	4-5 Ton	9"	4,400 lbs	6,212 lbs	11,000 lbs	11,000 lbs
5 Ton	4-5 Ton	10"	4,800 lbs	6,818 lbs	11,000 lbs	11,000 lbs
5 Ton	4-5 Ton	11"	5,200 lbs	7,272 lbs	11,000 lbs	11,000 lbs
5 Ton	4-5 Ton	12"	6,100 lbs	7,575 lbs	11,000 lbs	11,000 lbs
10 Ton	8-10 Ton	7-1/2" min	4,600 lbs	6,363 lbs	17,500 lbs	22,000 lbs
10 Ton	8-10 Ton	8"	4,800 lbs	6,666 lbs	17,850 lbs	22,000 lbs
10 Ton	8-10 Ton	9"	5,450 lbs	7,272 lbs	19,500 lbs	22,000 lbs
10 Ton	8-10 Ton	10"	6,100 lbs	7,878 lbs	20,000 lbs	22,000 lbs
10 Ton	8-10 Ton	11"	6,800 lbs	8,333 lbs	20,000 lbs	22,000 lbs
10 Ton	8-10 Ton	12"	7,600 lbs	8,787 lbs	22,000 lbs	22,000 lbs

- *Safe Working Load (SWL) based on testing in 3,500 psi concrete.*
- *Tilt-Up Values can be used for shear if an anchor is used only once for erecting the panel.*
- *The 4:1 safety factor is typically used in precast work and normally requires no increase.*
- *Given full embedment, reinforcement and minimum compressive strength, the anchor should achieve pullout strength equal to the maximum tension strength if reinforced with a Tension Bar.*