

# SureBuilt Manufacturing Straight Leg Erection Anchor

with Shear Plate

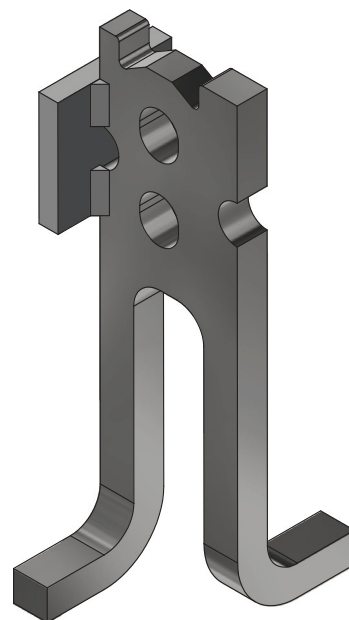
Ideal for horizontal to vertical edge lifts and the shear rotation of thin-walled units

- The shear plate replaces the need for a shear bar making it easier to install
- Specially designed head provides added protection against spalling
- Specially designed body allows for full reinforcement

**Superior Design** – Two steel protrusions or “ears” on the head of the anchor provide added protection against spalling. These ears hug either side of the ring clutch, restricting its rotation during lateral pulls. As a result, lateral forces are transmitted directly to the edges of the anchor instead of the concrete. The body of the Erection Anchor is shaped to allow full reinforcement for secure support and spall-free rotation.

**Eliminates the need for a Shear Bar** – The shear plate replaces the need for a shear bar making it easier to install.

**For Further Load Distribution** – The full safe working load can be achieved in thin slabs or when there is low concrete strength by using a reinforcement tension bar in the second hole. See tension bar table for details.



Straight Leg Erection Anchor with Shear Plate				
Capacity	Part #	Width	Thickness	Length
2T	SBSLE2TSPG	2-3/8	3/8	8
4T	SBSLE4TSPG	3-1/16	5/8	10-1/2
8T	SBSLE8TSPG	3-5/8	3/4	13-1/2

Standard hot-dip galvanized finish.

## Straight Leg Erection Anchor with Shear Plate

Straight Leg Erection Anchor with Shear Plate Load Table					
Part #	Capacity	Panel Thickness	Shear Load 4:1 Safety Factor (No Shear Bar) Transportation Values	Tension w/o Tension Bar 4:1 Safety Factor	Safe Working Load w/ Tension Bar 4:1 Safety Factor
SBSLE2TSPG	2T	4 min.	1,800	3,190	4,400
		5	2,000	3,900	4,400
		5-1/2	2,400	4,000	4,400
		6	2,800	4,000	4,400
		7	3,300	4,400	4,400
		8	3,600	4,400	4,400
		9	3,800	4,400	4,400
		10	4,000	4,400	4,400
		11	4,200	4,400	4,400
		12	4,400	4,400	4,400
SBSLE4TSPG	4T	5-1/2 min.	3,100	4,970	8,800
		6	3,200	5,170	8,800
		7	3,700	6,030	8,800
		8	4,000	6,910	8,800
		9	4,300	7,750	8,800
		10	4,600	8,000	8,800
		11	5,000	8,800	8,800
		12	5,000	8,800	8,800
SBSLE8TSPG	8T	7-1/2 min.	4,300	7,500	17,600
		8	4,500	7,690	17,600
		9	5,000	8,640	17,600
		10	5,500	9,580	17,600
		11	6,200	11,500	17,600
		12	6,900	13,200	17,600

***Based on 4:1 SF in 3500 p.s.i. in 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 used in precast work and normally requires no increases.
- Given full embedment, reinforcement and minimum compressive strength should achieve a pullout strength equal to their maximum tension strength if reinforced with a Tension Bar.