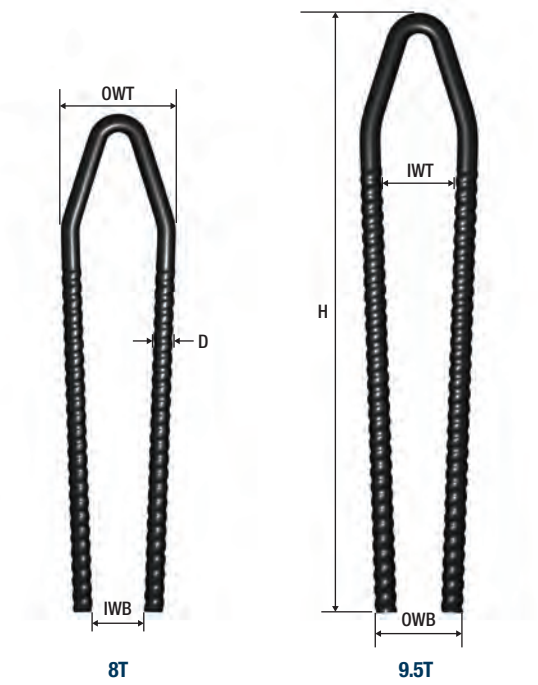
QUIKLIFT® SPIRAL ANCHORS® - DOUBLE TEE APPLICATION



The QuikLift Spiral Anchor is designed for lifting of thin wall precast elements and double tees. The anchors are recessed, which eliminates job site costs of removal associated with strand lifters. The round bar also ensures a more even engagement of the ring clutch to the anchor in all loading directions (compared to square anchors). The Spiral Anchor uses standard QuikLift 8T-12T (QL003) Ring Clutch.

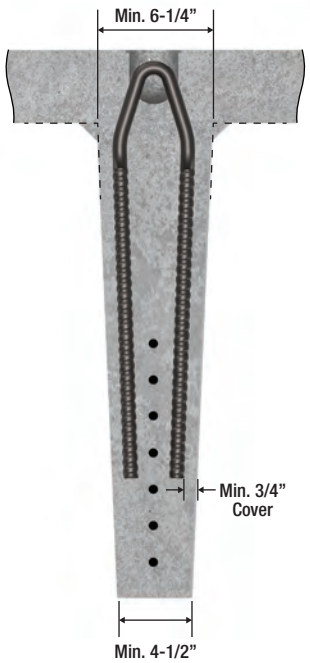
Impact resistant, even in freezing temperatures.

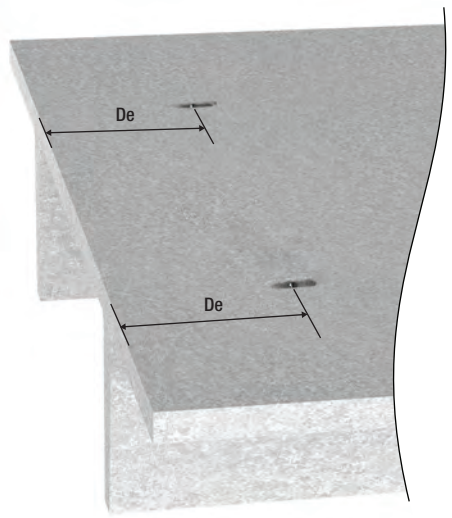
Patent No. US 11,549,273B2 | CA 3,012,353 | EP 3,441,542 B1 | 60 2018 018 274.8.

DIMENSIONS AND CAPACITIES FOR DOUBLE TEE

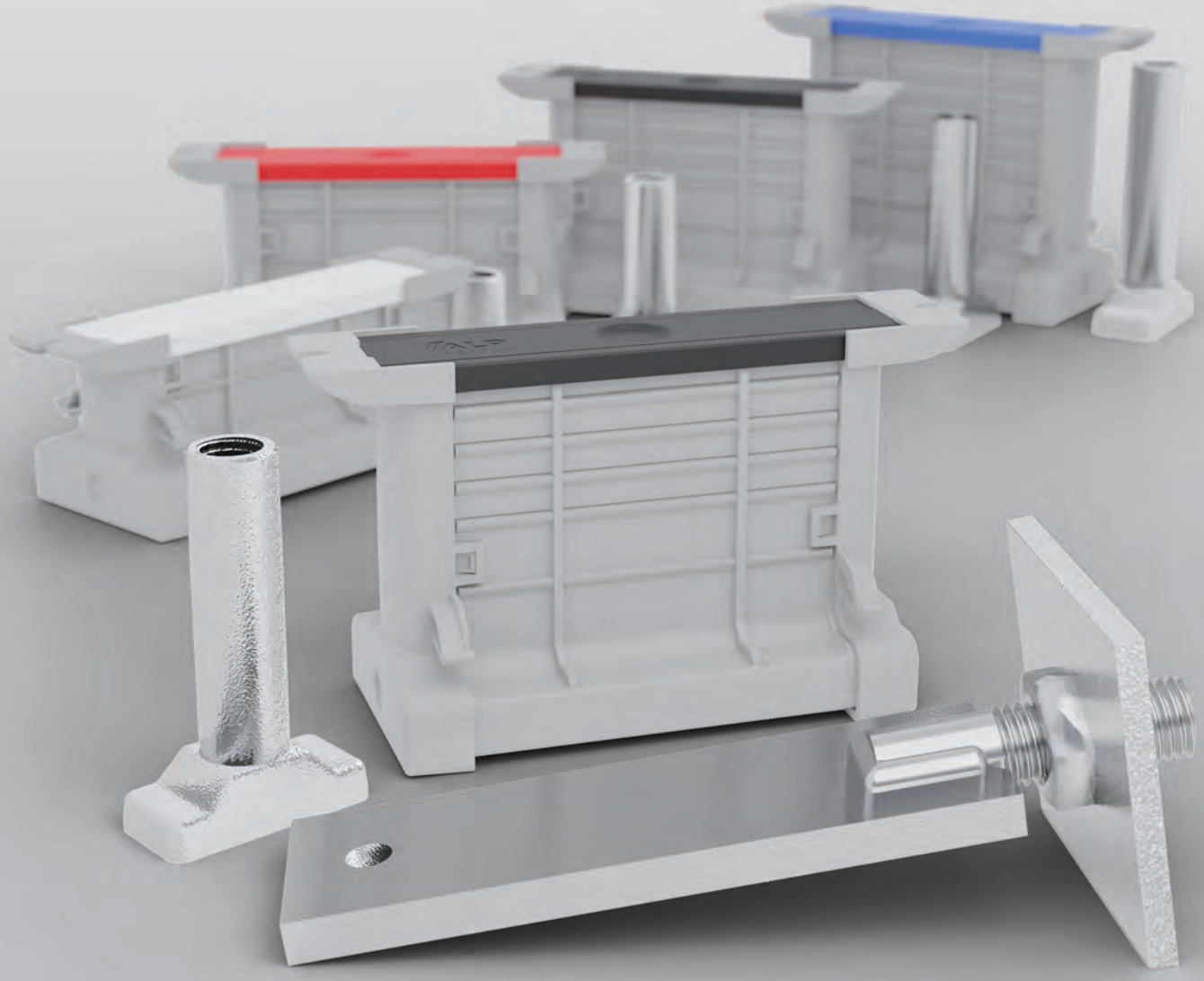
											Capacity in Concrete 4:1 SWL		
Part #	Ton	Ring Clutch System	H	OWT	OWB	IWT	IWB	D	Ultimate Mechanical in Tension (lbs)	Weight (lbs)	Qty/ Crate	De - Minimum Distance from End	Tension (lbs) at 3,300 PSI	Tension (lbs) at 3,700 PSI
QLSA8T19	8T	8T-12T (QL003)	19”	4-7/16”	3-1/2”	3”	2”	11/16”	64,000	4.32	500	24”	15,000	16,000
QLSA912T23	9.5T	8T-12T (QL003)	23”	4-9/16”	3-7/16”	3”	1-3/4”	13/16”	76,000	6.33	350	24”	18,000	19,000

- Table is based on 145 PCF concrete
- Above capacities are based upon mechanical testing and concrete testing.





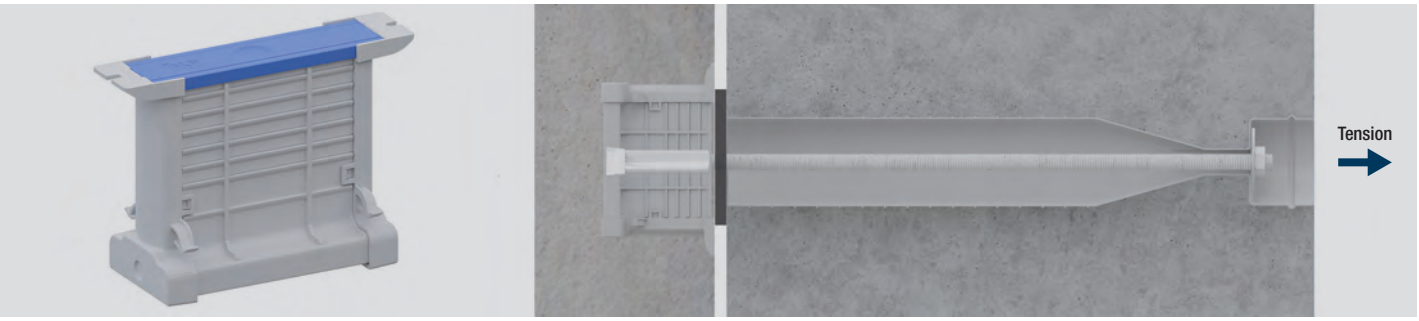
TECH SLOT™ INSERTS



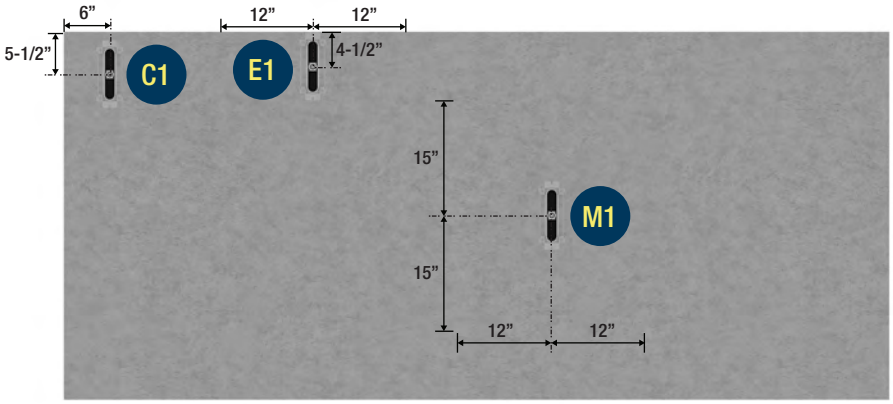
PATENTED

US Patent No: US 10,024,051 B2
Canada Patent No: CA 3,003,657

TSI66 - ALP® TECH SLOT INSERTS (TENSION)



Dimensions shown are minimum edge distances for insert location and concrete breakout, which can be used in either vertical or horizontal orientations



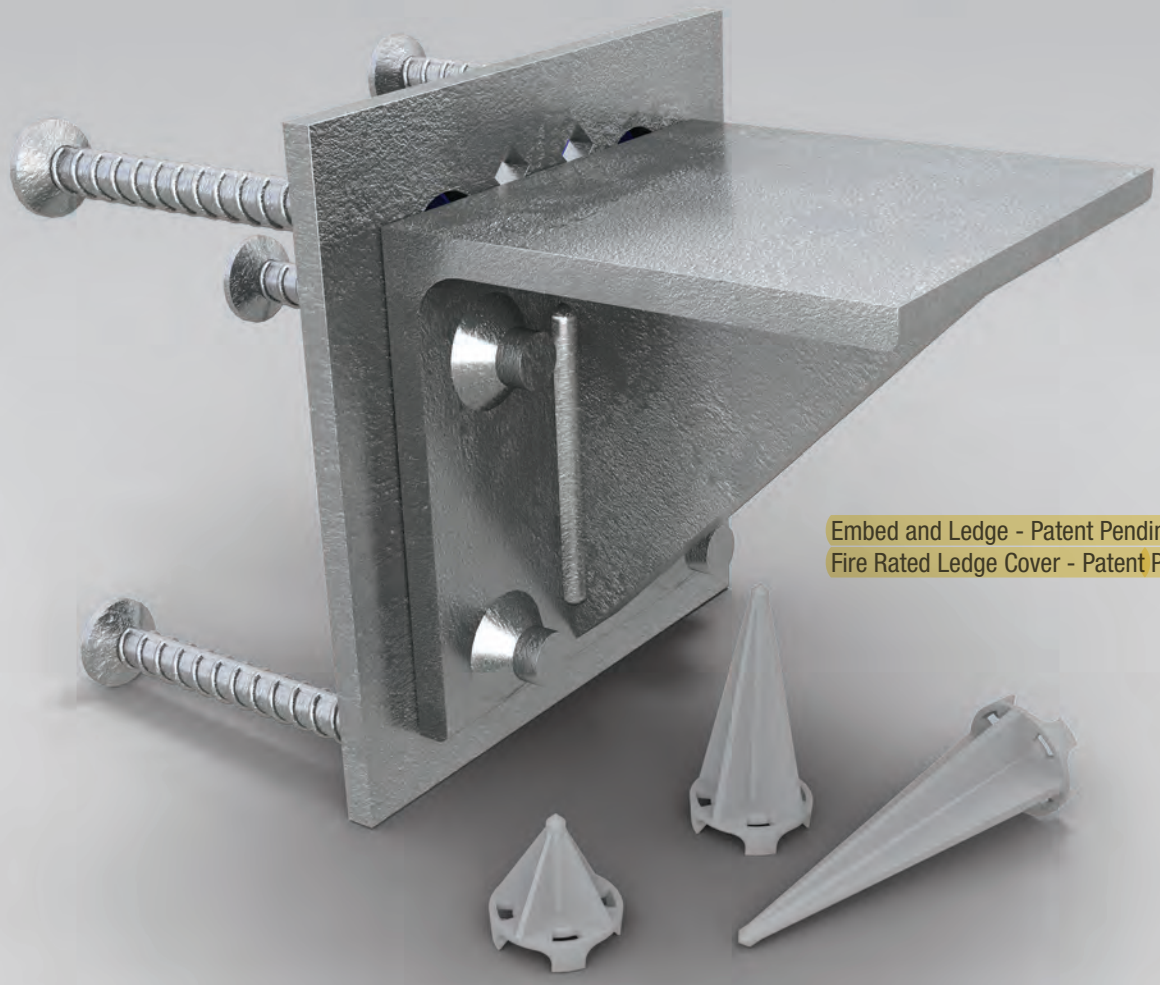
CAPACITIES - TSI66 - 6" HEIGHT

		5,000 psi			6,000 psi			Max Capacity					
Insert Location	Required Reinforcement*	Ultimate Avg. (lbs)	Ultimate Min. (lbs)	Std. Dev. (lbs)	Ultimate Avg. (lbs)	Ultimate Min. (lbs)	Std. Dev. (lbs)	psi	Ultimate Avg. (lbs)	Ultimate Min. (lbs)	Std. Dev. (lbs)	# of Tests	Failure Mode
M1	None	29,510	27,492	1,852	32,327	30,116	2,029	6,000	32,327	30,116	2,029	3	MSC
E1	None	18,259	17,294	877	20,001	18,944	960	6,941	21,513	20,376	1,033	3	ESC
C1	#4 U Bar	18,419	15,917	3,096	20,177	17,436	3,392	6,006	20,187	17,445	3,393	3	CSC

*Refer to Reinforcement Detail page for more information

- 1/4" x 3" x 3" (minimum) washer required for published shear capacities and compression applications
- Insert Capacity is based upon T-Nut location that yields the lowest capacity for the application.
- Minimum solid panel thickness is 5". For insulated wall panels, insert can sit directly on insulation with a minimum 4" wythe thickness
- Published values based upon unreinforced concrete, unless noted otherwise
- Tension Values for M1 can be used in applications that sits directly on styrofoam or minimum 1" clear concrete below
- All load values, other than M1, require minimum 1" clear concrete below insert bottom
- Other testing values may be available upon request

QUIK CORBEL™ SYSTEM



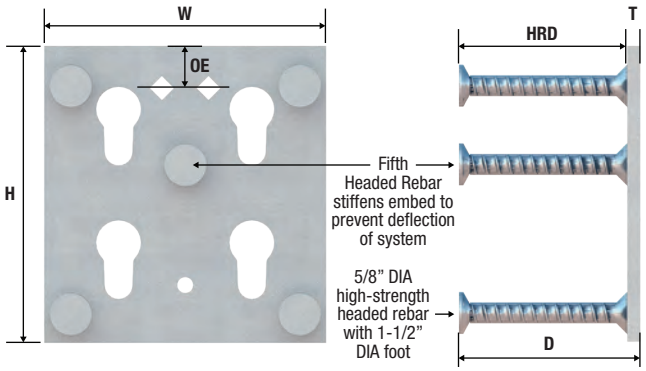
Embed and Ledge - Patent Pending
Fire Rated Ledge Cover - Patent Pending

ALP® QUIK CORBEL™ SYSTEM

The Quik Corbel System is designed to improve efficiencies for precast elements that require a bearing ledge. The two-piece design, consisting of an embed and ledge, eliminates the need for specialty forms or secondary cast haunches. The Quik Corbel embed is cast flush to the concrete surface, and the ledge is typically attached to the embed at the job site. Each embed and ledge are marked with lot numbers for material and manufacturing traceability.

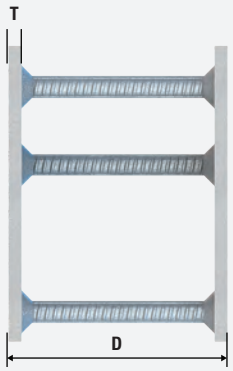
QUIK CORBEL - QC10 EMBED

QC10E6G

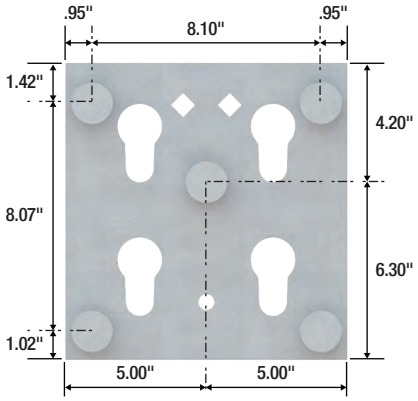


Note: Plastic removed to show steel embed only.

QC10ED8G



QC10 Rebar Locations



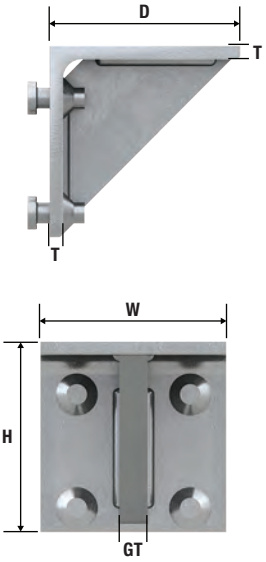
Note: Plastic removed to show steel embed only.

DIMENSIONS - QC10 EMBED

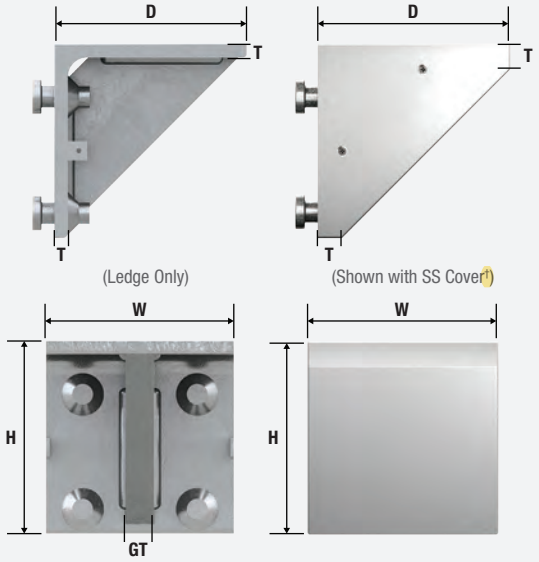
Part #	Description	Finish	W	H	T	D	HRD	OE*	Weight/Piece (lbs)	Qty/Crate
QC10E6G	QC10 Embed, 6"	HDG	10"	10-1/2"	15/32"	6-15/32"	6"	1-1/2"	15.60	108
QC10ED8G	QC10 Double Sided Embed, 8" panel	HDG	10"	10-1/2"	15/32"	8"	N/A	1-1/2"	28.30	64

**OE is to centerline of diamonds*

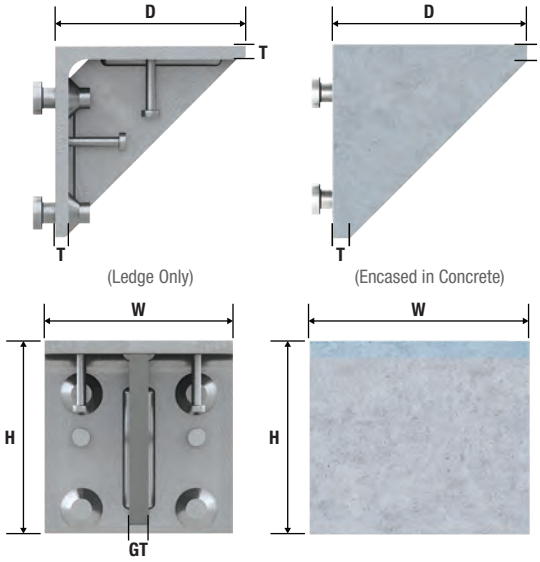
QUIK CORBEL - QC10 LEDGE



QC10L81G - 1-hour Fire Rating



QC10L82G - 2-hour Fire Rating



QC10L83G - 3-hour Fire Rating

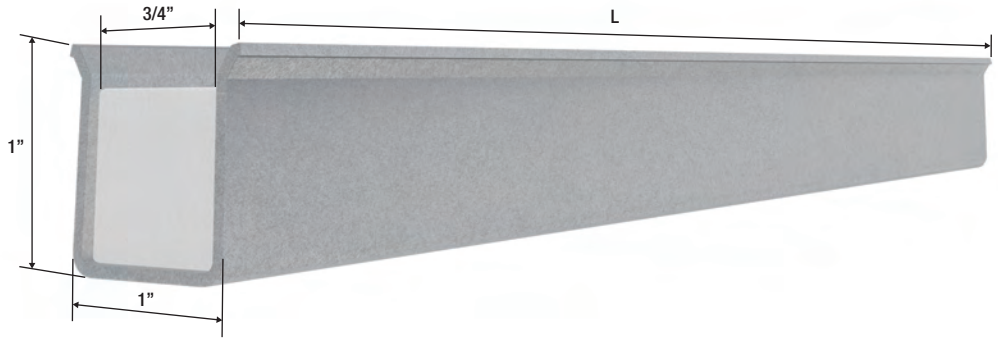
DIMENSIONS - QC10 LEDGE

Part #	Description	Finish	Fire Rating	W	H	D	T	GT	Weight/ Piece (lbs)	Qty/Crate
QC10L81G	QC10 Ledge	HDG	1 Hour	7-3/4"	7-7/8"	7-7/8"	9/16"	1-3/16"	28.90	80
QC10L82G*	QC10 Ledge (with SS Cover removed)	HDG	N/A	7-3/4"	7-7/8"	7-7/8"	9/16"	1-3/16"	N/A	N/A
	QC10 Ledge with SS Cover	-	2 Hour	7-7/8"	7-15/16"	7-15/16"	1"		30.50	80
QC10L83G**	QC10 Ledge with studs (ledge only)	HDG	N/A	7-3/4"	7-7/8"	7-7/8"	9/16"	3/4"	26.40	80
	QC10 Ledge with studs (encased in concrete)	-	3 Hour	9-7/8"	8-5/8"	8-5/8"	3/4"		56.00	N/A

**QC10L82G is only sold pre-assembled with fire resistant insulation and stainless steel cover.*
***QC10L83G must be encased in concrete by precaster as noted in illustration, using 145 PCF, 5,000 PSI concrete to achieve 3-hour fire rating.*
†Fire rated ledge cover is patent pending.

DOVETAIL ANCHOR SLOT - FOAM FILLED

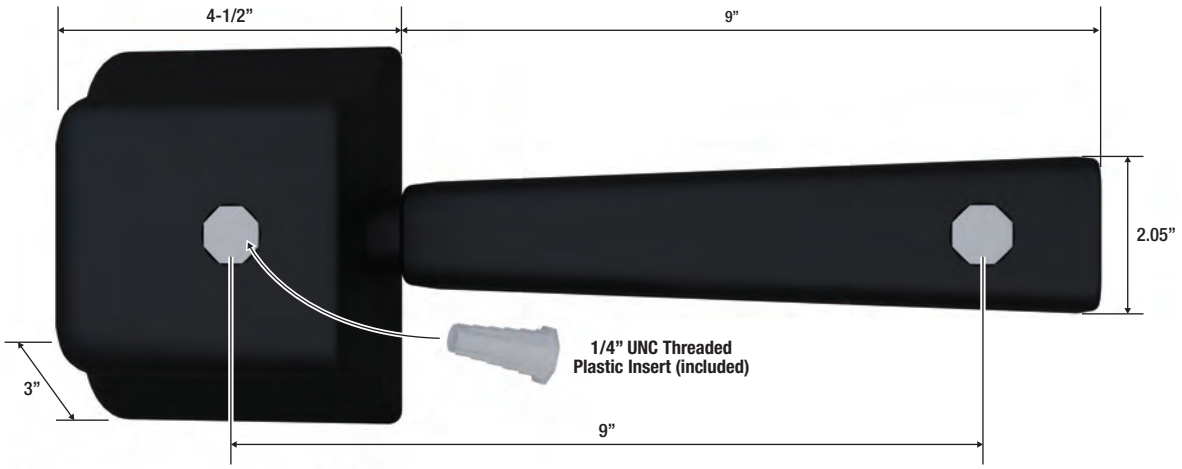
Dovetail Anchor Slots come in standard 26 gauge, mill galvanized finish in 10 ft lengths. Custom gauges and finishes available upon request.



Part #	Gauge	Finish	L	Feet/Bundle
MCDAS26	26	Mill Galvanized	10’	250’

PA INSERT® BOLT POCKET FORMER SYSTEM

The PA Insert Bolt Pocket Former System is used to bolt two underground precast structures together. Bolt Pocket Plates are cast into the concrete to eliminate spalling. The former holds the steel plate in place during the production process, creates a void in the concrete and is removed after product is stripped from the form. Threaded Insert Locators can be used to hold the former in place, magnetic formers are also available. Installation kits are used after precast products are installed at the job site. **See www.alpsupply.com for more information.**



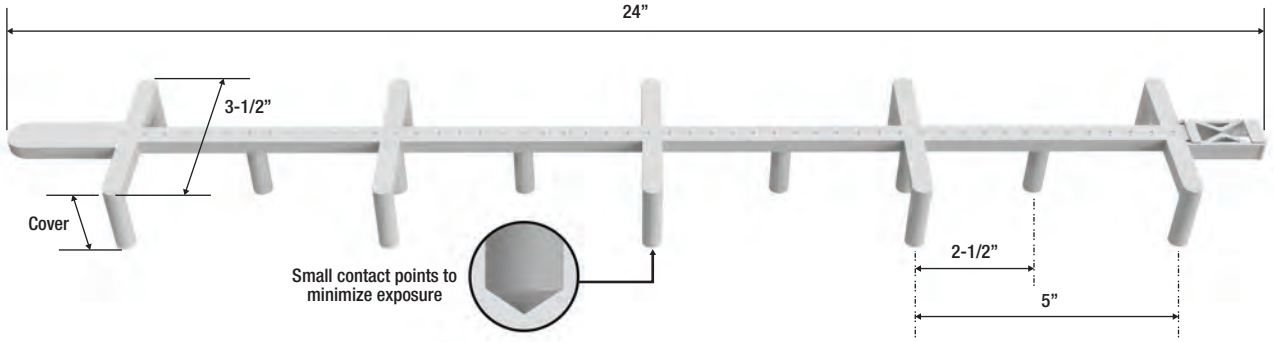
Each Connection Requires:

Bolt Pocket Former (Reusable) 2X | Bolt Pocket Plate 2X | Installation Kit 1X

Part #	Description	Weight (lbs)
PABPF2	Bolt Pocket Former (Reusable)	1.15
PABPF2M	Bolt Pocket Former - Magnetic	1.55
PABPP	Bolt Pocket Plate, HDG	0.95
PABPIK	Installation Kit, Plated	4.90

STANDARD PLASTIC SLAB BOLSTER

- 100% plastic construction, eliminating exposed metal that can rust
- Locking clip allows Slab Bolsters to be clipped together
- Bar stops on the top to help prevent bars from moving
- A wide T-back backbone beam for strength and stability
- All Slab Bolsters come standard in Light Gray



Part #	Cover/Size	Color	Feet /Ctn
PWSBS034	3/4”	Light Gray	356’
PWSBS1	1”	Light Gray	356’
PWSBS114	1-1/4”	Light Gray	300’
PWSBS112	1-1/2”	Light Gray	280’
PWSBS134	1-3/4”	Light Gray	248’
PWSBS2	2”	Light Gray	224’
PWSBS214	2-1/4”	Light Gray	180’
PWSBS212	2-1/2”	Light Gray	180’
PWSBS3	3”	Light Gray	148’
PWSBS312	3-1/2”	Light Gray	140’
PWSBS4	4”	Light Gray	130’
PWSBS412	4-1/2”	Light Gray	100’

PLASTIC SLAB BOLSTER UPPER PLATE*

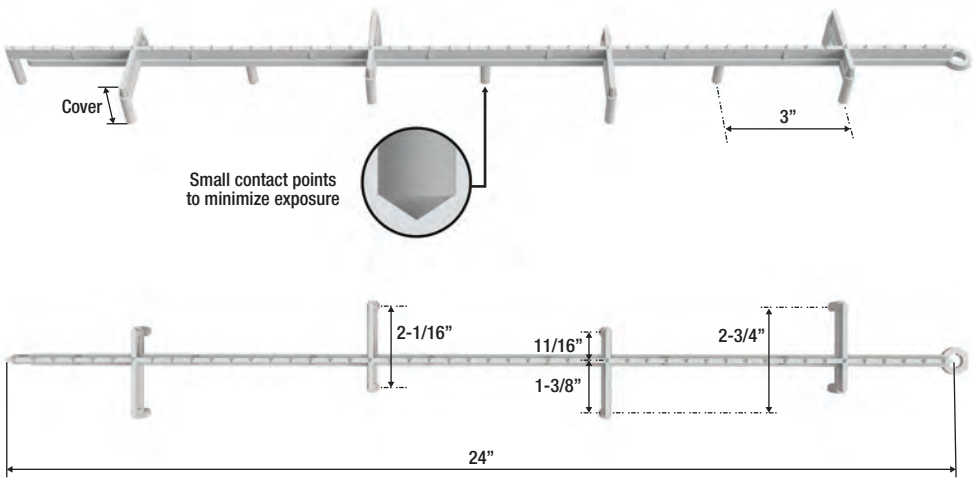
All plastic construction keeps rust from forming on the surface of the concrete. Snaps onto Standard Slab Bolster to convert it into an Upper Slab Bolster. Standard length is 24”.

Part #	Color	Feet /Ctn
PWSBSUP	Light Gray	168’

*Works with Standard Slab Bolster only

LIGHT DUTY PLASTIC SLAB BOLSTER

- 100% plastic construction, eliminating exposed metal that can rust
- Engineered design that reduces excess plastic and costs
- Staggered legs for stability
- **Patent Pending**

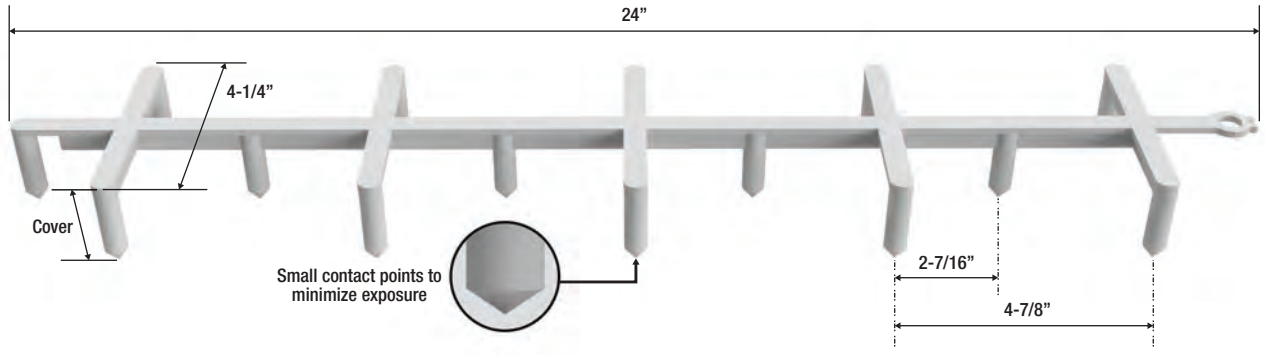


Flexible slab bolster design can be looped into a “tear drop” shape for enhanced stability.

Part #	Cover/Size	Color	Feet /Ctn
PWSBL1	1”	Light Gray	420’
PWSBL112	1-1/2”	Light Gray	360’
PWSBL2	2”	Light Gray	260’
PWSBL212	2-1/2”	Light Gray	216’
PWSBL3	3”	Light Gray	180’

HEAVY DUTY PLASTIC SLAB BOLSTER

Heavy Duty Slab Bolster is a high-strength version of the Standard Slab Bolster designed for more demanding applications.



Part #	Cover/Size	Color	Feet /Ctn
PWSBH112	1-1/2”	Light Gray	250’
PWSBH2	2”	Light Gray	200’
PWSBH212	2-1/2”	Light Gray	160’
PWSBH3	3”	Light Gray	150’
PWSBH314	3-1/4”	Light Gray	110’