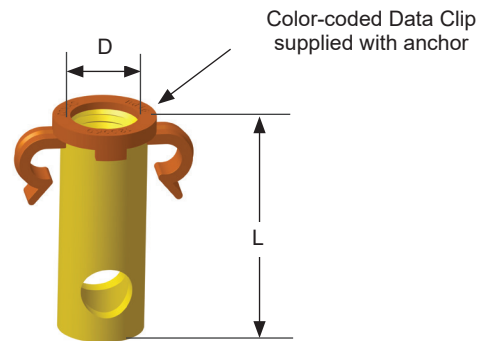


Threaded Lifting System



Threaded Socket Anchors

Can be used for a wide range of precast construction applications such as for lifting beams, grinders, wall panels and floor slabs, etc. To develop the safe working load (SWL), a bent reinforcement bar must be used through the cross hole. Stocked in plated finish.

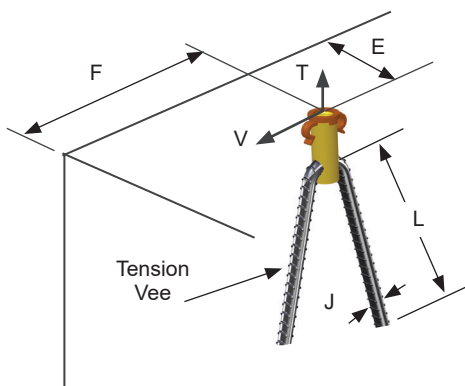


Minimum panel thickness = $2 \times E$.

If two or more anchors are used, minimum spacing = $2 \times F$.
Allowable Shear Capacity is valid for loads in any direction, parallel to the face of the concrete with shear bows.
Additional shear capacity can be achieved by reinforcing Threaded Socket Anchors in the ways shown on the following page.

ITEM CODE	SYSTEM LOAD CODE	SWL (LBS)	THREAD SIZE (D)	ANCHOR LENGTH (L)	MIN. PANEL THICKNESS (2 X E)	MIN EDGE DISTANCE (F)
TSA005	Orange	1000	Rd12x1.75	1-9/16"	2-1/2"	6"
TSA008	White	1600	Rd14x2.0	1-7-8"	2-3/4"	8"
TSA012	Red	2400	Rd16x2.0	2-1/8"	3-1/4"	8"
TSA016	Pink	3200	Rd18x2.5	2-9/16"	3-3/4"	10"
TSA020	Light Green	4000	Rd20x2.5	2-3/4"	4-1/2"	11"
TSA025	Dark Gray	5000	Rd24x3.0	3-1/16"	5"	12"
TSA040	Emerald Green	8000	Rd30x3.5	4-1/16"	5-1/2"	14"
TSA063	Light Blue	12600	Rd36x4.0	4-7/8"	8-3/4"	16"
TSA080	Light Gray	16000	Rd42x4.5	5-3/4"	9-1/2"	20"
TSA125	Yellow	25000	Rd52x5.0	7-5/8"	11"	24"

Safe working loads based on approximate 4:1 Safety Factor in 2,200 psi normal weight concrete.



Note: Threaded Socket Anchor requires Tension Vee to develop tension capacity

TENSION VEES				
Use with Threaded Socket Anchor	Wire or Bar Size J [in]	Length for 2,200 psi concrete K22 [in] (L)	Length for 3,600 psi concrete K36 [in] (L)	Bend Diameter [in]
TSA 005	D-5	8-1/2	6-3/4	1
TSA 008	D-8	10	8	1-1/4
TSA 012	# 3	12	9-1/2	1-1/2
TSA 016	# 3	16-1/2	12-1/2	1-1/2
TSA 020	# 4	17	13-1/2	2
TSA 025	# 4	18-1/2	14	2
TSA 040	# 5	25-1/2	19-1/2	2-1/2
TSA 063	# 6	32	24-3/4	5-1/2
TSA 080	# 8	33	25-1/2	7
TSA 125	# 9	46	35-1/2	8