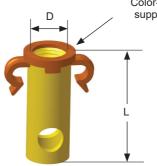
## **Threaded Lifting System**

## **Threaded Socket Anchors**

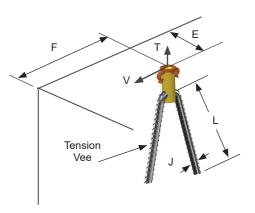
Can be used for a wide range of precast construction applications such as for lifting beams, grinders, wall panels and floor slabs, etc. To develop the safe working load (SWL), a bent reinforcement bar must be used through the cross hole. Stocked in plated finish.



Color-coded Data Clip supplied with anchor

SYSTEM LOAD Code	SWL (LBS)	THREAD SIZE (D)	ANCHOR LENGTH (L)	MIN. PANEL THICKNESS (2 X E)	MIN EDGE DISTANCE (F)
Orange	1000	Rd12x1.75	1-9/16"	2-1/2"	6"
White	1600	Rd14x2.0	1-7-8"	2-3/4"	8"
Red	2400	Rd16x2.0	2-1/8"	3-1/4"	8"
Pink	3200	Rd18x2.5	2-9/16"	3-3/4"	10"
Light Green	4000	Rd20x2.5	2-3/4"	4-1/2"	11"
Dark Gray	5000	Rd24x3.0	3-1/16"	5"	12"
Emerald Green	8000	Rd30x3.5	4-1/16"	5-1/2"	14"
Light Blue	12600	Rd36x4.0	4-7/8"	8-3/4"	16"
Light Gray	16000	Rd42x4.5	5-3/4"	9-1/2"	20"
Yellow	25000	Rd52x5.0	7-5/8"	11"	24"
	CODE Orange White Red Pink Light Green Dark Gray Emerald Green Light Blue	CODE(LBS)Orange1000White1600Red2400Pink3200Light Green4000Dark Gray5000Emerald Green8000Light Blue12600Light Gray16000	CODE (LBS) SIZE (D)   Orange 1000 Rd12x1.75   White 1600 Rd14x2.0   Red 2400 Rd16x2.0   Pink 3200 Rd18x2.5   Light Green 4000 Rd20x2.5   Dark Gray 5000 Rd30x3.5   Light Blue 12600 Rd36x4.0   Light Gray 16000 Rd42x4.5	SYSTEM LOAD CODE SWL (LBS) IHREAD SIZE (D) LENGTH (L)   Orange 1000 Rd12x1.75 1-9/16"   White 1600 Rd14x2.0 1-7-8"   Red 2400 Rd16x2.0 2-1/8"   Pink 3200 Rd18x2.5 2-9/16"   Light Green 4000 Rd20x2.5 2-3/4"   Dark Gray 5000 Rd30x3.5 4-1/16"   Light Blue 12600 Rd36x4.0 4-7/8"   Light Gray 16000 Rd42x4.5 5-3/4"	SYSTEM LOAD CODE SWL (LBS) IHREAD SIZE (D) LENGTH (L) THICKNESS (2 X E)   Orange 1000 Rd12x1.75 1-9/16" 2-1/2"   White 1600 Rd14x2.0 1-7-8" 2-3/4"   Red 2400 Rd16x2.0 2-1/8" 3-1/4"   Pink 3200 Rd18x2.5 2-9/16" 3-3/4"   Light Green 4000 Rd20x2.5 2-3/4" 4-1/2"   Dark Gray 5000 Rd20x3.0 3-1/16" 5"   Emerald Green 8000 Rd30x3.5 4-1/16" 5-1/2"   Light Blue 12600 Rd36x4.0 4-7/8" 8-3/4"   Light Gray 16000 Rd42x4.5 5-3/4" 9-1/2"

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

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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.

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