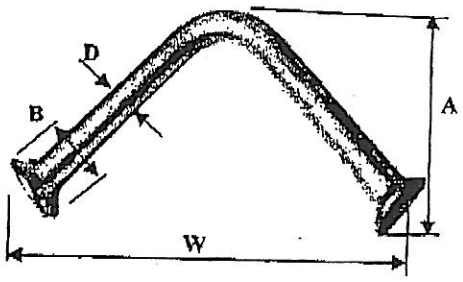
UTILITY ANCHORS - DATA SHEETS

A - ANCHORS

Dimensions

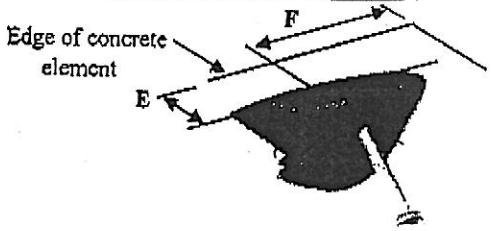
Anchor Part No.	Panel Depth [in]	Anchor Depth A [in]	Anchor Width W [in]	Body Diameter D [in]	Base Diameter B [in]	Weight 100 pcs [lb]
4 CA 14	4	3-1/8	6-5/16	9/16	1-3/16	64
5 CA 14	5	3-3/4	8-1/4	9/16	1-3/16	78
5 CA 18	5	3-3/4	8-11/16	11/16	2	130
6 CA 14	6	4-3/4	10-9/16	9/16	1-3/16	101
6 CA 18	6	4-3/4	9-1/16	11/16	2	146
8 CA 18	8	6-3/4	12-1/4	11/16	2	195



Load Capacities

Anchor Part No.	Nominal Panel Depth [in]	Suggested Edge Distance E [in]	Suggested End Distance F [in]	Unreinforced Tension Loads: Allow. Load at 2,200 psi $T_{A2.2}$ [lb]	Allow. Load at 6,000 psi T_{A6} [lb]	Limiting Concrete Strength LCT [psi]	Concrete Tension Factor CTF	Unreinforced Shear Loads: Allow. Load at 2,200 psi $V_{A2.2}$ [lb]	Allow. Load at 6,000 psi V_{A6} [lb]	Limiting Concrete Strength LCS [psi]	Concrete Shear Factor CSF
4 CA 14	4	6	9	2,780	3,750	> 4,000	**59.29**	2,150	3,560	> 6,000	**45.97**
5 CA 14	5	6-1/2	10	4,080	5,500	> 4,000	**86.96**	2,650	4,380	> 6,000	**56.53**
5 CA 18	5	6-1/2	10	4,450	6,000	> 4,000	**94.87**	4,450	4,560	> 6,000	**58.94**
6 CA 14	6	8	12-1/2	5,000	6,750	> 4,000	**106.7**	5,000	5,960	> 6,000	**77.00**
6 CA 18	6	8	12-1/2	5,740	7,750	> 4,000	**122.5**	3,840	6,350	> 6,000	**82.05**
8 CA 18	8	11	15-1/2	9,640	13,000	> 4,000	**205.6**	6,360	10,510	> 6,000	**135.7**

NOTE: Edge distance [E] and end distance [F] are as shown in diagram.
Allowable Loads provide a Factor of Safety of approximately 4:1 in normal weight concrete.



Allowable Tension Loads

Insert Part No.	Panel Depth [in]	Edge Distance E [in]	Normal Weight Concrete Strengths: 2,000 psi	2,200 psi	2,500 psi	3,000 psi	3,500 psi	4,000 psi	4,500 psi	5,000 psi	5,500 psi	6,000 psi
			Allowable Tension [Pull-Out] Loads - Unreinforced: T_{A2} [lb]	$T_{A2.2}$ [lb]	$T_{A2.5}$ [lb]	T_{A3} [lb]	$T_{A3.5}$ [lb]	T_{A4} [lb]	$T_{A4.5}$ [lb]	T_{A5} [lb]	$T_{A5.5}$ [lb]	T_{A6} [lb]
4 CA 14	4	6	2,650	2,780	2,960	3,250	3,510	3,750	3,750	3,750	3,750	3,750
5 CA 14	5	6-1/2	3,890	4,080	4,350	4,760	5,140	5,500	5,500	5,500	5,500	5,500
5 CA 18	5	6-1/2	4,240	4,450	4,740	5,190	5,610	6,000	6,000	6,000	6,000	6,000
6 CA 14	6	8	4,770	5,000	5,340	5,850	6,310	6,750	6,750	6,750	6,750	6,750
6 CA 18	6	8	5,480	5,740	6,130	6,710	7,250	7,750	7,750	7,750	7,750	7,750
8 CA 18	8	11	9,190	9,640	10,280	11,260	12,160	13,000	13,000	13,000	13,000	13,000

Allowable Shear Loads

Insert Part No.	Panel Depth [in]	Edge Distance E [in]	Normal Weight Concrete Strengths: 2,000 psi	2,200 psi	2,500 psi	3,000 psi	3,500 psi	4,000 psi	4,500 psi	5,000 psi	5,500 psi	6,000 psi
			Allowable Shear Loads - Unreinforced: V_{A2} [lb]	$V_{A2.2}$ [lb]	$V_{A2.5}$ [lb]	V_{A3} [lb]	$V_{A3.5}$ [lb]	V_{A4} [lb]	$V_{A4.5}$ [lb]	V_{A5} [lb]	$V_{A5.5}$ [lb]	V_{A6} [lb]
4 CA 14	4	6	2,050	2,150	2,300	2,520	2,720	2,910	3,080	3,250	3,410	3,560
5 CA 14	5	6-1/2	2,530	2,650	2,830	3,090	3,340	3,570	3,790	4,000	4,192	4,380
5 CA 18	5	6-1/2	2,630	4,450	2,950	3,230	3,490	3,730	3,950	4,170	4,370	4,560
6 CA 14	6	8	3,440	5,000	3,850	4,220	4,550	4,870	5,160	5,440	5,710	5,960
6 CA 18	6	8	3,670	3,840	4,100	4,490	4,850	5,190	5,500	5,800	6,080	6,350
8 CA 18	8	11	6,070	6,360	6,780	7,430	8,030	8,580	9,100	9,600	10,060	10,510

NOTE: A-Anchors may be used as a pulling irons.
For this application, Allowable Loads shown above may be increased by33%, providing a Safety Factor of 3:1.