Type I Octagonal Pole







Type I Octagonal Technical Chart

Used for Street Lighting, Parking Lot and Security Lighting, Recreational and Industrial Lighting

Direct Embedment

CATALOG NUMBER SMOOTH	MOUNTING POLE HEIGHT WEIGH	POLE WEIGHT	POLE OVERALL LENGTH Lbs.) (Ft.)	POLE SIZE (In.)		EPA AT POLE TIP (Sq. Ft.)			ULTIMATE GROUNDLINE MOMENT	BREAKING LOAD 2 Ft. FROM TIP		
GRAY		(Lbs.)		TIP	BUTT	90 MPH	110 MPH	130 MPH	140 MPH	160 MPH	(Ft. Lbs.)	(Lbs.)
151012	11.5	450	15.0	5.0	6.83	49	31	21	18	13	9,400	989
201012	16.0	668	20.0	5.0	7.44	41	26	1	14	9	11,600	828
251012	20.5	924	25.0	5.0	8.05	34	20	13	10	6	13,700	740
301012	25.0	1,221	30.0	5.0	8.66	29	17	10	7	4	15,900	691
351012	29.5	1,565	35.0	5.0	9.27	24	13	7	5	1	17,700	643
401012	34.0	1,956	40.0	5.0	9.88	20	10	4	2	0	19,400	606

General Information

- 1. Different colors, finishes and exposed aggregates are available upon request.
- 2. Longer lengths of poles available upon request.
- 3. All corners are chamfered.
- 4. 7,000 PSI gray concrete is standard; higher strengths are available if required. The EPA's listed for poles using 7,000 psi concrete shall be reduced by 15% when decorative mixes are used.
- 5. STRENGTH: In most cases a higher ground line moment and a higher breaking strength and EPA can be attained without going to a larger pole.
- 6. EFFECTIVE PROJECTED AREA (EPA): Lonestar Prestress Mfg. concrete poles and mounting arms have been designed in accordance with accepted engineering practices to be structurally capable of withstanding wind loads and velocity pressure per ASCE 7-05. Poles to meet higher wind loads are available.
- 7. HOLES: Holes are precast to meet your specifications and requirements for mounting attachments, most any desired arrangement can be provided. Contact Lonestar Prestress Mfg. for any questions about field drilling light poles.
- 8. INSTALLATION: Lonestar Prestress Mfg. concrete poles are designed for setting directly into the ground, without the use of precast foundations, similar to the setting of wood poles. After the hole is drilled, the pole is set and plumbed, the earth is then backfilled and tamped. The depth is dependent on the nature of the soil and the anticipated load. Where it is impossible to embed the poles in the ground, such as on bridges or overpasses, a boltdown base plate is available.
- 9. To specify a base plate for base mounted poles add the suffix BP to catalog numbers. Customer to supply the bolt circle drawings or template.

STOCK CODE:		ALonestar		8892 Hwy 159 E	DWG. NO:
DISTRIBUTOR:		Dragage		Bellville, TX 77418 www.lonestarprestress.com Tel: (713) 896-0994	CAT. NO: DATE: 8/4/17 PROJECT:
		Lonestar Prestress	Mfg., Inc.	Fax: (713) 896-0762	
				TEXAS PROFE APPROVED BY	SSIONAL ENGINEERS REG. NO. F-9055. DATE:
					411 57 40
					1" PVC RACEWAY
					$\overline{}$
	TIP			5.0" OCT.	
7	5.0"				DETAIL DF POLE
	OCTAGONAL				3"x12" FRP
					COVER
					1" PVC
					2½"x8"x3½" HANDHOLE
		. H			[] []
		Ë		 [ተጠ 7 ይህ :	
		<u>고</u>			3/ ₄ " PVC
		1" PVC TUBING ~		DET	All 4
		RACEWAY		HANDHO	
		AT		RECESSE	<u>D COVER</u>
		POLE TAPER 0.1219 IN. PER AMBOLE JAPER 0.1219 IN. PER SAME AMBOLE			3/4" RACEWAY
0:					
15				- - - - - - - - - - - - - - - - - - -	ENTRANCE ACCESS
		IIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			COUPLING
		HANDHOLE		DETAIL 1	
					* *
	€ 			<u>DET/</u> CABLE EI	
		2/11 5 1 5 1 1 1 1 1		CABLE EI	NI KANCE
		³¼" RACEWAY ¬			
	_		 	ROT* GROUND LINE	
	0	CABLE ENTRANCE	0 5		of length of pole plus 2 feet. dment to be determined by
	5-0"	F E		customer.	ament to be determined by
	မှဳ က DETAIL 2 −	/ []			
		2'-4"			-0" TYPE I
	BASE			(OCT.) TOP	MOUNT POLE
_		 OLE SHOWN	SIDE	TRUCK LOAD QTY:	DRWN: CHKD: BD
	6.83" F	ACE DOWN	SIDE VIEW	WEIGHT: 450 LE	
	OCTAGONAL			FINISH: SMOOTH FOR	RM GRAY

STOCK CODE:		/Lonestar	8892 Hwy 159 E Bellville, TX 77418	DWG. NO: REV. CAT. NO: DATE:
DISTRIBUTOR:		September	www.lonestarprestress.com Tel: (713) 896-0994	201012 8/4/17 PROJECT:
		Lonestar Prestress Mfg., Inc.	Fax: (713) 896-0762 TEXAS PROF	ESSIONAL ENGINEERS REG. NO. F-9055.
	TID		APPROVED B	Y: DATE:
A	TIP 5.0" OCTAGONAL		5.0 " OCT.	1" PVC RACEWAY
				DETAIL OF POLE
	TAPER 0.1219 IN PER FT			3"x12" FRP COVER 1" PVC 2½"x8"x3½" HANDHOLE
0	AP BER		HAND H	TAIL 1 OLE WITH ED COVER
20'-0"	Ш С			³ / ₄ " RACEWAY
	Q -,	HANDHOLE	- DETAIL 1	ENTRANCE ACCESS COUPLING
		3/4" RACEWAY		TAIL 2 ENTRANCE
	_		ROT* GROUND LINE	
	15-6" 4'-0"	CABLE ENTRANCE C		o of length of pole plus 2 feet. edment to be determined by
	DETAIL 2	2'-4"	DESCRIPTION: 20)'-0" TYPE I
	BASE		(OCT.) TOP	P MOUNT POLE
_\!	7.44" FA	LE SHOWN SIDE CE DOWN VIEW	TRUCK LOAD QTY: WEIGHT: 668 L FINISH: OMOOTULEO	
ı	OCTAGONAL		FINISH: SMOOTH FC	RM GRAY

STOCK CODE:		ALonestar	8892 Hwy 159 E Bellville, TX 77418	DWG. NO: REV. CAT. NO: DATE:
DISTRIBUTOR:		Prestress	www.lonestarprestress.com Tel: (713) 896-0994	251012 8/4/17 PROJECT:
		Lonestar Prestress Mfg., Inc.	Fax: (713) 896-0762 TEXAS PROFI	ESSIONAL ENGINEERS REG. NO. F-9055.
7	TIP 5.0" OCTAGONAL	1" PVC TUBING RACEWAY		1" PVC RACEWAY DETAIL DF POLE 3"x12" FRP COVER 1" PVC 2½"x8"x3½" HANDHOLE
25'-0"	POJ F TAPER 0		RE H	CESSED COVER DETAIL 1 ANDHOLE WITH RACEWAY
	Q_	HANDHOLE	DETAIL 1	ENTRANCE ACCESS COUPLING
	_	³ / ₄ " RACEWAY	—ROT* GROUND LINE <u>CA</u>	DETAIL 2 BLE ENTRANCE
	0-0 0-4 DETAIL 2	CABLE ENTRANCE		of length of pole plus 2 feet. dment to be determined by
		2'-10"		'-0" TYPE I
7	BASE		TRUCK LOAD QTY: 51	P MOUNT POLE
	8.05" FA OCTAGONAL	ACE DOWN SIDE VIEW	WEIGHT: 924 LE	

STOCK CODE:	A LOM	estar	8892 Hwy 159 E Bellville, TX 77418	DWG. NO: REV. CAT. NO: DATE:
DISTRIBUTOR:	T Pro	estress	www.lonestarprestress.com Tel: (713) 896-0994	301012 8/4/17 PROJECT:
TIP	Lonestar Pr	estress Mfg., Inc.	Fax: (713) 896-0762 TEXAS PROFE APPROVED BY	
TIP 5.0" OCTAGONA DETAIL	POLE TAPER 0.1219 IN. PER FT. HANDHOI A STANCE CABITE ENTLANCE CABITE CA	LE //AY	DETAIL 1 PROT* GROUND LINE Rule of Thumb: 10% Actual depth of ember customer. DESCRIPTION: 30 (OCT.) TOF TRUCK LOAD QTY: 39	P MOUNT POLE DRWN: CHKD: BD CHKD:
8.66" OCTAGONA		VIEW	FINISH: 1,221 L	

STOCK CODE:		<i>A</i> Lonestar	8892 Hwy 159 E Bellyille, TX 77418	DWG. NO: REV.
DISTRIBUTOR:		72 Prestress	www.lonestarprestress.com Tel: (713) 896-0994	351012 8/4/17 PROJECT:
		HANDHOLE 3/4" RACEWAY CABLE ENTRANCE ©	Bellville, TX 77418 www.lonestarprestress.com Tel: (713) 896-0994 Fax: (713) 896-0762 TEXAS PROFAPPROVED B TOP TOP TOP TOP TOP TOP TOP Reference of Thumb: 10% Rule of Thumb: 10%	CAT. NO: 351012 DATE: 8/4/17 PROJECT: 8/50000 PROJECT: 0.00 PROJECT: 0.0
_\	DETAIL 2 BASE PO		(OCT.) TOF TRUCK LOAD QTY: 30 WEIGHT: 1,565	
	9.27" OCTAGONAL	·	FINISH: SMOOTH FO	

STOCK CODE:		/Lomester	8892 Hwy 159 E	DWG. NO: REV.
DISTRIBUTOR:		77 Prestress	www.lonestarprestress.com Tel: (713) 896-0994	401012 BA1E. 8/4/17 PROJECT:
		RACEWAY	Bellville, TX 77418 www.lonestarprestress.com Tel: (713) 896-0994 Fax: (713) 896-0762 TEXAS PROF APPROVED B	CAT. NO: 401012 DATE: 8/4/17 PROJECT: ESSIONAL ENGINEERS REG. NO. F-9055. DATE: 1" PVC RACEWAY
40-0"	© DETAIL 2	HANDHOLE 3/4" RACEWAY CABLE ENTRANCE CL LE SHOWN SIDE	DETAIL 1 Rule of Thumb: 10% Actual depth of embercustomer. DESCRIPTION: 40 (OCT.) TOF	DETAIL 1 AND HOLE WITH ECESSED COVER 3/4" RACEWAY ENTRANCE ACCESS COUPLING DETAIL 2 CABLE ENTRANCE of length of pole plus 2 feet. edment to be determined by
	9.88" FA OCTAGONAL	CE DOWN VIEW	WEIGHT: 1,956 L	