TECHLIGHT

Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

POLE — The pole shaft is fabricated from hot rolled carbon steel having a minimum yield of 50,000 PSI and conforms to ASTM A500 grade C requirements. The shaft construction is a single piece of formed steel welded longitudinally. The hand hole is located 1' above the pole base. A ground lug is provided standard.

ANCHOR BASE — The anchor base is fabricated from a structural quality hot rolled carbon steel plate that has a minimum yield strength of 36,000 PSI. The anchor base telescopes the pole shaft and has a circumferential weld on the top and bottom.

BASE COVER — A full base cover is provided which encapsulates the base plate and anchor bolts to provide a clean transition from pier to pole.

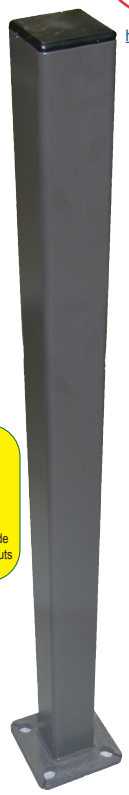
FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request. Galvanizing treatments available upon request. Additional warranty extensions available with these treatments.

20' Steel 4" Square 7 Gauge Pole

SSP SERIES

For detailed dimensions and base plate configurations, scan QR code or for engineering drawings or visit link below:

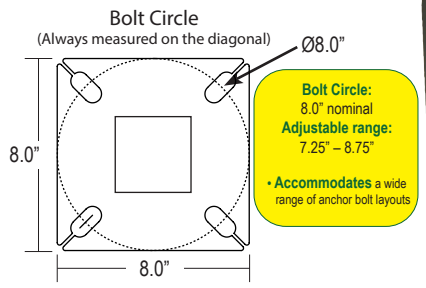
https://techlight.com/pdf/TL~POLESSP~SSP2047~DIMS.pdf

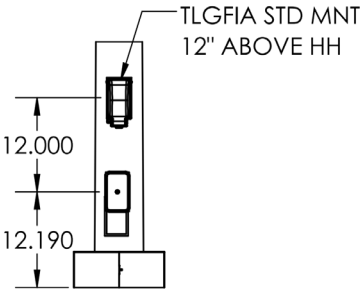


Technical Data

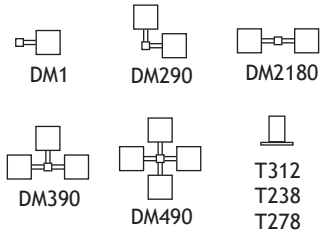
Nominal Pole Height	20'-0"
Shaft Dimensions	20' x 4"
Wall Gauge	7 Gauge
Bolt Circle	**Nominal** 8.0" **Range** 7.25"–8.75"
Bolt Size	3/4" x 18" x 3"
Base Plate Dimensions	8.0" sq. x .75" thk.
Est. Shipping Weight	213 lbs

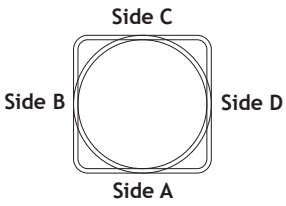
Wider bolt circle flexibility + backward compatibility





Mounting Options





Drilling Locations

Sides	A	B	C	D
Hand Hole	X			
DM1	X			
DM290	X	X		
DM2180		X		X
DM390	X	X		X
DM490	X	X	X	X

Max EPA (1.3 Gust)

90 mph	15.0
100 mph	11.3
110 mph	8.6
120 mph	6.5
130 mph	4.9
140 mph	3.6

ORDERING INFORMATION

Choose the bold face options for the appropriate pole configuration for your application and enter on the line above each pole attribute. Accessories may be factory installed, depending on the particular accessory chosen, but must still be ordered as a separate line item.

Example: **SSP 20 4 7 GLVPBZ T238**

SSP _____ _____ _____ _____ _____ _____ _____

Series	Pole Height	Pole Size	Pole Gauge	Color	Mounting	Drill Pattern
SSP	**20** 20' Nominal	**4** 4" Square	**7** 7 Gauge	**BK** Black **BZ** Bronze **WH** White **GR** US Green **GLV** Galvanized **GLVP**[1] Galvanized and Painted **SP** Special	**DM1** Drill One Side **DM290** Drill 2 Sides at 90° **DM2180** Drill 2 Sides at 180° **DM390** Drill 3 Sides at 90° **DM490** Drill 4 Sides at 90° **T238** 2-3/8" OD Tenon (Standard) **T278** 2-7/8" OD Tenon **T312** 3-1/2" OD Tenon **ND** No Drilling	**Blank** None - for Tenon Mounting **SSA** SSA Drill Mount Pattern **VSA** VSA Drill Mount Pattern

NOTE: ANCHOR BOLT KITS MUST BE ORDERED AS A SEPARATE LINE ITEM. EACH KIT IS PROVIDED WITH A RIGID TEMPLATE FOR INSTALLATION. SEE ACCESSORIES FOR KIT PART NUMBERS. PLEASE NOTE ON PURCHASE ORDER IF ANCHOR BOLTS AND TEMPLATES ARE TO BE PRE-SHIPPED.

Options

(Include in Pole Ordering String Above)

TLGFIA	Ground Fault Receptacle
PHH[2]	Additional Hand Hole
AVD20[3]	Poles Anti Vibration Device
BABA[4]	Build America, Buy America Act Compliant

Accessories

(Order as separate line items)

KAB3418G08R	AB Kit (4) 3/4" x 18" Galvanized Bolts and Rigid Template
KAB3418G08RUSA	USA Anchor Bolt Kit part for the Anchor Bolts+Template

NOTES

1. For 'Galvanized and Painted' option. You must specify a paint color code as the suffix in addition to the GLVP coating option. (Example: GLVPBZ).
2. Please note location for additional hand hole when ordering. See Drilling Locations diagram for location designations.
3. See Page 2 for details.
4. **BABA Compliant**: Ensures all steel and components are U.S.-sourced and includes full compliance documentation (self-certification and mill certifications). May affect pricing and lead time.

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All dimensions and specifications are subject to change without notice.

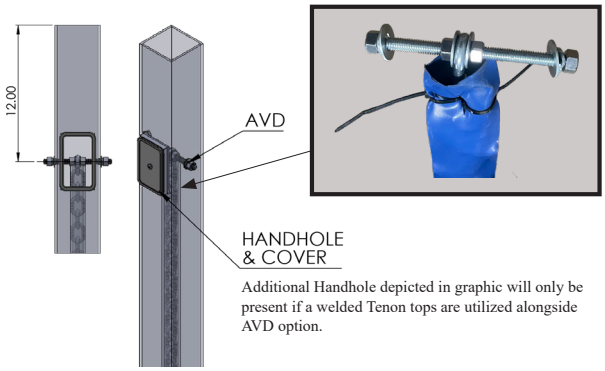
SSP SERIES 20’ Steel 4” Square 7 Gauge Pole

Accessories (Order as separate line items)

AVD20 - Anti vibration device for 20ft pole

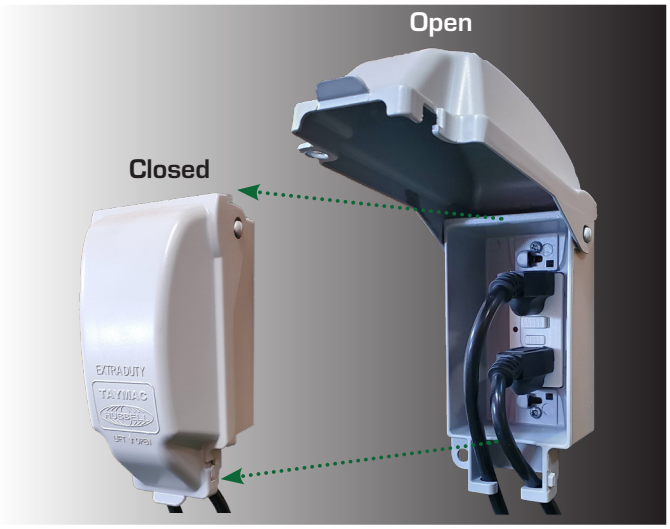
PN#	Pole Height(ft)	CHAIN LENGTH (ft)
AVD20	20	13

Square Pole Representation
is similar to Round Poles.



Additional Handhole depicted in graphic will only be present if a welded Tenon tops are utilized alongside AVD option.

TL-GFIA - Ground Fault Receptacle



The **GFIA** (*Ground Fault Circuit Interrupter*) comes with a die cast aluminum in-use cover.

For Reference Only: The ASCE 7 Hazard Tool is the official source of information for pole selection when identifying wind speed zone limits within North America.

https://ascehazardtool.org/

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