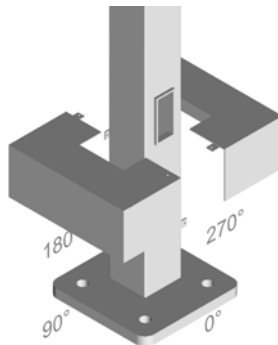


- D19
- D29
- D28
- D39
- D49
- T20 2.38"Ø x 4.00" TALL
- T25 2.88"Ø x 4.00" TALL
- T30 3.50"Ø x 6.00" TALL
- T35 4.00"Ø x 6.00" TALL
- OT OPEN TOP
- TSP SPECIAL SIZE TENON

**WINCH-XX**  
REMOVABLE BRAKE WINCH  
W/MOUNT BRACKET



**NOTE: ANCHOR BOLT PATTERNS ARE SUBJECT TO CHANGE.  
CONSULT FACTORY PRIOR TO CONSTRUCTION.**

PROJECT NAME:	TYPE:
QUOTE / ORDER No:	
APPROVED BY:	DATE:

## SPECIFICATIONS

**POLE SHAFT:**

The 4.00" square pole is fabricated from hot rolled commercial quality carbon steel of one piece construction with a minimum yield strength of 55,000 psi. The square tapered pole shall conform to ASTM A595 Grade A or A572 Grade 55 with a constant linear taper of .11 in/ft.

**SHROUD:**

The shroud is fabricated from weldable grade, hot rolled commercial quality carbon steel with a minimum yield strength of 45,000 psi. It is a one piece formed channel which conforms to the pole shaft. The shroud is secured by a threaded stud and nut.

**BASE PLATE:**

The base plate is fabricated from a structural quality hot rolled carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom

**BASE COVER:**

The two-piece standard full base cover is fabricated from ABS plastic. Optional two-piece steel base cover also available.

**ANCHOR BOLTS:**

Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end in accordance with ASTM A-153.

**HANDHOLE:**

A reinforced hand hole, having a nominal opening of 3"x5" or 4"x6.5" will be installed 18" above the base plate. A hand hole cover with hardware will be included along with grounding provisions.

**POLE TOP:**

Each pole will be provided with a welded top plate and tenon or top cap for poles receiving drilling for side mount fixtures.

**FINISH:**

Standard color finishes shall be coated with TGIC polyester powder or hot dip galvanized to ASTM A-123 specifications.

**CAUTION:**

THE WINCH CABLE MUST BE KEPT TAUT WHEN RAISING OR LOWERING THE POLE.  
TO PROPERLY OPERATE THE HINGE MECHANISM, A MINIMUM POLE TOP LOAD OF 50 LBS IS REQUIRED.

(SNSHG) Sqr Straight Hinge Anchor Base	POLE DIMENSIONS					BASE DETAIL						ALLOWABLE MAX EPA² & WEIGHT (lbs)																			
	HGT (FT)	Base OD (in)	Top OD (in)	Wall Thk (GA)	Structure Weight (lbs)	BASE PLATE			ANCHOR BOLTS			80 MPH		90 MPH		100 MPH		110 MPH		120 MPH		130 MPH		140 MPH		150 MPH					
						SQ (in)	THK (in)	Bolt Circle	Template	Ø	L	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT		
ALP CATALOG #																															
SNSHG-20-400-7	20	4.00	4.00	7	300	9.75	0.75	8.50-10.00	ABT-090-4	0.75	17	11.6	217	8.5	217	6.2	217	3.0	217	-	-	-	-	-	-	-	-	-	-	-	-
SNSHG-25-400-7	25	4.00	4.00	7	370	9.75	0.75	8.50-10.00	ABT-090-4	0.75	17	7.1	160	4.8	160	3.1	160	-	-	-	-	-	-	-	-	-	-	-	-		
SNSHG-30-400-7	30	4.00	4.00	7	435	9.75	0.75	8.50-10.00	ABT-090-4	0.75	17	4.0	120	2.1	120	0.8	120	-	-	-	-	-	-	-	-	-	-	-	-		

(STSHG) Sqr Tapered Hinge - AB	POLE DIMENSIONS					BASE DETAIL						ALLOWABLE MAX EPA² & WEIGHT (lbs)																	
	HGT (FT)	Base OD (in)	Top OD (in)	Wall Thk (GA)	Structure Weight (lbs)	BASE PLATE			ANCHOR BOLTS			80 MPH		90 MPH		100 MPH		110 MPH		120 MPH		130 MPH		140 MPH		150 MPH			
						SQ (in)	THK (in)	Bolt Circle	Template	Ø	L	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT	EPA	WGT		
ALP CATALOG #																													
STSHG-25-641-11	25	6.41	3.66	11	355	11.88	0.88	12.50	ABT-125-4	1.00	36	18.0	254	13.0	254	9.3	254	4.5	254	1.0	254	-	-	-	-	-	-	-	-
STSHG-30-641-11	30	6.41	3.11	11	440	11.88	0.88	12.50	ABT-125-4	1.00	36	12.5	230	8.3	230	5.1	230	2.0	230	-	-	-	-	-	-	-	-	-	-
STSHG-35-718-11	35	7.18	3.33	11	540	12.63	0.88	13.50	ABT-135-4	1.00	36	7.1	160	3.2	160	-	-	-	-	-	-	-	-	-	-	-	-		
STSHG-35-713-7	35	7.13	3.28	7	700	12.63	1.25	13.50	ABT-135-4	1.00	36	22.0	155	16.9	155	12.1	155	8.0	155	3.5	155	-	-	-	-	-	-		
STSHG-39-718-11	39	7.18	2.89	11	555	12.63	0.88	13.50	ABT-135-4	1.00	36	4.3	135	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STSHG-39-713-7	39	7.13	2.84	7	740	12.63	1.25	13.50	ABT-135-4	1.00	36	19.5	110	13.5	110	9.2	110	5.5	110	1.0	110	-	-	-	-	-	-		

ORDERING CODE	CATALOG No.	BASE	FINISH	FIXTURE MOUNT	BASE COVER	OPTIONS	OPTIONS
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AB-ANCHOR BOLT  
LAB-LESS ANCHOR BOLTS

DB-DARK BRONZE  
MB-MEDIUM BRONZE  
WH-WHITE  
BL-BLACK  
LG-LIGHT GRAY  
SM-SILVER METALLIC  
SL-SILVER  
HG-HUNTER GREEN  
RD-RED  
G-GALVANIZED  
GPXX-PAINTED OVER GALV

D19  
D28  
D29  
D32  
D39  
D49  
T20  
T25  
T30  
T35  
OT  
TSP-ADVISE  
TC- TOP CAP ONLY

BC-PLASTIC (STD)  
BCS-STEEL  
BCA-ALUMINUM  
NC-NUT COVERS

XHH-EXTRA HANDHOLE  
FES-FESTOON (GFI BY OTHERS)  
DMP-VIBRATION DAMPER  
CP50-.50" COUPLING  
CP75-.75" COUPLING  
CP10-1.00" COUPLING  
CP20-2.00" COUPLING  
NP50-.50" NIPPLE  
NP75-.75" NIPPLE  
NP10-1.00" NIPPLE  
MBP-MODIFIED BASE PLATE