

A tall, slender flagpole is being constructed in a city. A red crane is positioned next to the pole, which is currently empty. The pole extends from the ground, through a dense urban area with many buildings, and reaches towards the sky. In the background, there is a large body of water and distant mountains under a blue sky with some clouds. The foreground shows several multi-story buildings under construction, with scaffolding visible.

EastDragon

EXPERT IN THE MANUFACTURE OF HIGH MAST FLAGPOLES

CATALOG 2026

Hebei Qixinlong Intelligent Technology Co., Ltd.

Address: Beihuan Development Zone, Renqiu City, Hebei Province, China

EastDragon



EastDragon

Basic Information About the Company

Eastdragon is a flagpole brand under Hebei Qixinlong Company. Its main business areas include the research and development, production, and export of conical stainless steel flagpoles ranging in height from 12 to 100 meters, as well as providing comprehensive engineering support for related projects. Our completed landmark projects include a 100-meter-tall electric flagpole made entirely of stainless steel, designed and constructed for the Ugandan Ministry of Defense. The company has its own design team, as well as teams dedicated to technical support and on-site installation guidance.

Test Report

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Certificate



1. General Technical Specifications

Product Name	Tall Conical Stainless Steel Flagpole
Model	Electric
Total Height of the Flagpole	30 m–150 m
Diameter at the Top	Custom
Diameter at the Bottom	Custom
Taper	Custom

2. Materials and Manufacturing Process

Base Material	#304/#316L
Wall Thickness (Top)	9.75–30 mm
Wall Thickness (Bottom)	9.75–30 mm
Welding Process	Laser welding
Surface Treatment	Satin finish
Material Thickness Tolerance	±10%

3. Structural strength

Design Wind Load	0.8 kN/m ² , design wind speed ≈ 40 m/s
Design Snow Load	Calculation in accordance with SP 20.13330.2011 standards
Maximum Allowable Deflection	No more than H/100 of the total height of the flagpole
Seismic Resistance	8 points on the 12-point MSK-64 scale, in accordance with SP 14.13330.2018 standards
Structure Service Life	At least 30 years

4. Package Contents and Accessories (100 m)

Main Base Plate	φ2420 × φ1500 × 20 mm
Anchor Mounting	M60 thread
Material	Q235D (S235JR)
Total Weight of the Set	1744 kg
Contents	adjustment elements, lifting attachments, installation tools
Electric Motor	made to order

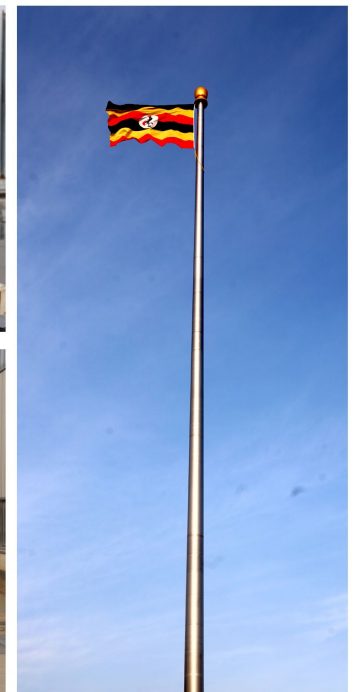
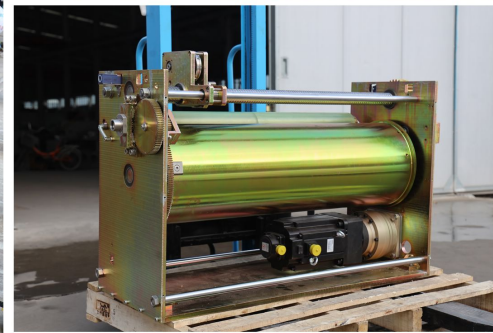
(All components for the 100-meter-tall flagpole are manufactured strictly to individual specifications.)



Certification and Service

For 100-meter-high flagpoles, installation is provided exclusively on-site by specialized engineers. For the entire service life of the product, we provide paid lifetime technical support, scheduled structural inspections, and repair and restoration work.

ACTUAL PHOTOS OF A 100-METER FLAGPOLE



1. General Technical Specifications

Product Name	Electric-powered conical stainless steel flagpole
Model	Electric
Total Height of the Flagpole	6–30 m
Diameter at the Top	80 mm
Diameter at the Bottom	140–380 mm
Taper	1:100

2. Materials and Manufacturing Process.

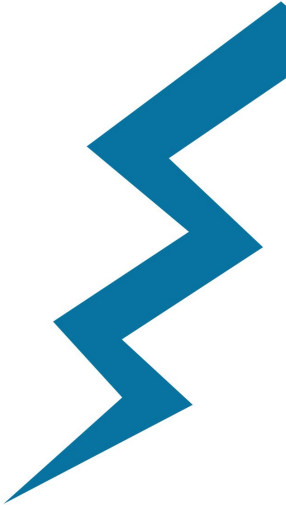
Base Material	#304/#316L
Wall Thickness (Top)	2.25–9.75 mm
Wall Thickness (Bottom)	2.25–9.75 mm
Welding Process	Laser welding
Surface Treatment	Satin finish
Material Thickness Tolerance	±5%

3. Structural strength

Design Wind Load	0.55 kN/m ² , design wind speed ≈ 30 m/s
Design Snow Load	Calculated according to GB 50009 standards, adapted for snow zones I–V in Russia (up to 2.0 kN/m ²)
Maximum Allowable Deflection	Permissible deflection ≤ H/50; actual design deflection for 12 m — 177 mm (H/68)
Seismic Resistance	Seismic resistance: 8 points on a 12-point scale, in accordance with GB 50011 standards
Service Life of the Structure	At least 30 years

4. Package Contents and Accessories

Base frame	M20×800 mm–M28×1400 mm
Flagpole	#1/#2/#3
Stainless steel cable	2.0mm
Lightning protection	Lightning protection: standard grounding circuit, resistance ≤ 10 ohms in accordance with GOST R 50571.26



Certification and Service

The products are manufactured in accordance with the ISO 9001 standard and have an official quality certificate issued by the Guangdong Provincial Quality Control Center in China; the warranty period for the products is 2 years. The company provides technical installation support (on-site supervision) in two formats: free remote support or a paid on-site visit by a specialist to perform the installation work.

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Base frame	M20×800 mm–M28×1400 mm
Flagpole	#1/#2/#3
Stainless steel cable	1.5 mm
Lightning protection	Lightning protection: standard grounding circuit, resistance ≤ 10 ohms in accordance with GOST R 50571.26

■ 5. Flag-raising system

Electric motor power	250 W
Supply voltage	220 V, 50 Hz
Control method	Remote / manual backup
Flag hoisting speed	Adjustable
Hoisting cable	6 kg

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STANDARD FLAGPOLES AND ACCESSORIES

MANUAL TAPERED ONE-PIECE FLAGPOLE

**Flagpole finial**

Made of 6063 aluminum alloy, spun into a single piece, with a baked-on paint finish and built-in casters

**Flagpole mount**

Made of 201 stainless steel, 22 mm in diameter; the main pole rotates with the main shaft, and the auxiliary pole holds the flag.

**Anti-slip beads**

Polypropylene anti-slip beads, 22 mm in diameter, 30 pieces

**Built-in steel cable**

304 steel wire rope, 2.0 mm in diameter, 7×19 fine-wire braided construction

**Built-in hand-crank hoist**

Q235 Manual Hoist, featuring a steel cable storage compartment and flag-raising function, equipped with a hand crank and decorative cover

**Anchor bolts**

Q235 anchor bolts, including 4 sets of nuts and washers; 1 positioning plate; specifications vary depending on the flagpole height

ELECTRIC CONICAL ONE-PIECE FLAGPOLE

**Flagpole finial**

Made of 6063 aluminum alloy, spun into a single piece, with a baked-on paint finish and built-in casters

**Flagpole mount**

Made of 201 stainless steel, 22 mm in diameter; the main pole rotates with the main shaft, and the auxiliary pole holds the flag.

**Anti-slip beads**

Polypropylene anti-slip beads, 22 mm in diameter, 30 pieces

**Built-in steel cable**

304 steel wire rope, 2.0 mm in diameter, 7×19 fine-wire braided construction

**Electric Lifting Device**

Remote control and manual lifting; remote control range: 50 meters; Power: 250W, voltage: 220V, lifting capacity: 6.5 kg; dimensions: 200 × 300 mm,

**Anchor bolts**

Q235 anchor bolts, including 4 sets of nuts and washers; 1 positioning plate; specifications vary depending on the flagpole height

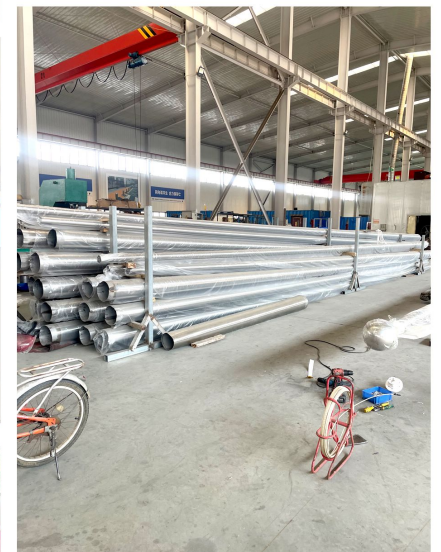
STANDARD FLAGPOLE SPECIFICATIONS TABLE

No.	Model	Height (m)	Top × Base Dia (mm)	Wall (mm)	Material	Theoretical Weight (kg)
1	FP-CS-6	6	Ø80 / Ø140	2.25	304/316L	1.6*0.9
2	FP-CS-8	8	Ø80 / Ø160	2.25	304/316L	1.92*1.28
3	FP-CS-10	10	Ø80 / Ø180	2.25	304/316L	1.92*1.28
4	FP-CS-12	12	Ø80 / Ø200	2.75	304/316L	2.4*1.6
5	FP-CS-15	15	Ø80 / Ø230	2.75	304/316L	2.88*1.92
6	FP-CS-18	18	Ø80 / Ø260	3.75	304/316L	2.88*1.92
7	FP-CS-20	20	Ø80 / Ø280	3.75	304/316L	2.88*1.92
8	FP-CS-25	25	Ø80 / Ø320	4.75	304/316L	4.5*2.8
9	FP-CS-30	30	Ø80 / Ø380	4.75	304/316L	5.0*3.0

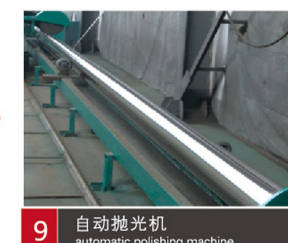
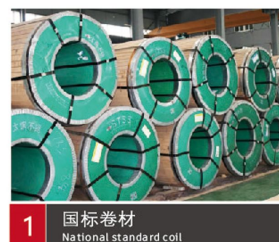
Remarks

1. All poles are 304/316L tapered type, not with internal halyard, top ball & cleat.
2. Manual operation as standard; electric device is optional (see above).
3. Unit prices are EXW / FCA per pole, EXCLUDING rail/road freight, insurance, customs clearance & local delivery.
4. The minimum order quantity is 10 pieces.
5. Poles above 30m (30-150m) are customized — please advise height, wind speed & site.
6. Prices in USD, valid for 90 days.

ACTUAL PHOTOS OF STANDARD FLAGPOLES



FLAGPOLE PRODUCTION LINE



FLAGPOLE
PRODUCTION LINE



A Headpiece with a Dragon

Made of aluminum alloy using a solid rotational extrusion process, with a wall thickness of 2.75 mm; the outer surface is coated with metallic enamel. A built-in roller allows for 360° rotation in the wind and prevents the flag from becoming tangled.



Spherical crown-type head

Made of 304 stainless steel with a wall thickness of 1.5 mm; the outer surface is polished to a smooth finish. A built-in roller allows the flag to rotate 360° in the wind and prevents it from becoming tangled.



Rotating round flagpole cap

Made of 304 stainless steel with a wall thickness of 1.5 mm; the outer surface is polished to a smooth finish. A built-in roller allows the flag to rotate 360° in the wind and prevents it from becoming tangled.



Rotating oval flagpole cap

Made of aluminum alloy, with a wall thickness of 2.75 mm, it features a modular design consisting of upper and lower sections. A built-in roller allows for 360° rotation in the wind and prevents the flag from becoming tangled.



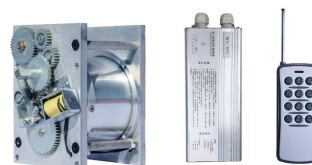
Solar-Powered Spherical Light Fixture

Features a built-in solar-powered light module. The built-in roller allows for 360° rotation in the wind and prevents the flag from becoming tangled.



Built-in manual lifting device

Made of galvanized carbon steel, with a plug-in stem design, a detachable manual actuator, and an automatic position lock.



Built-in electric hoist

Power: 250W; motor torque: 6N·m; rotational speed: 300 rpm; supply voltage: 220V. The gear ratio is 4, and the unit weighs 6 kg. Lifting and lowering are controlled via a remote control from a distance of up to 50 m; a backup manual drive is provided.



Steel cable

Available diameters: 1.5 / 2.0 / 3.0 / 4.0 / 5.0 mm. Made of 304 stainless steel, 7×19 wire construction, with an external polymer coating.



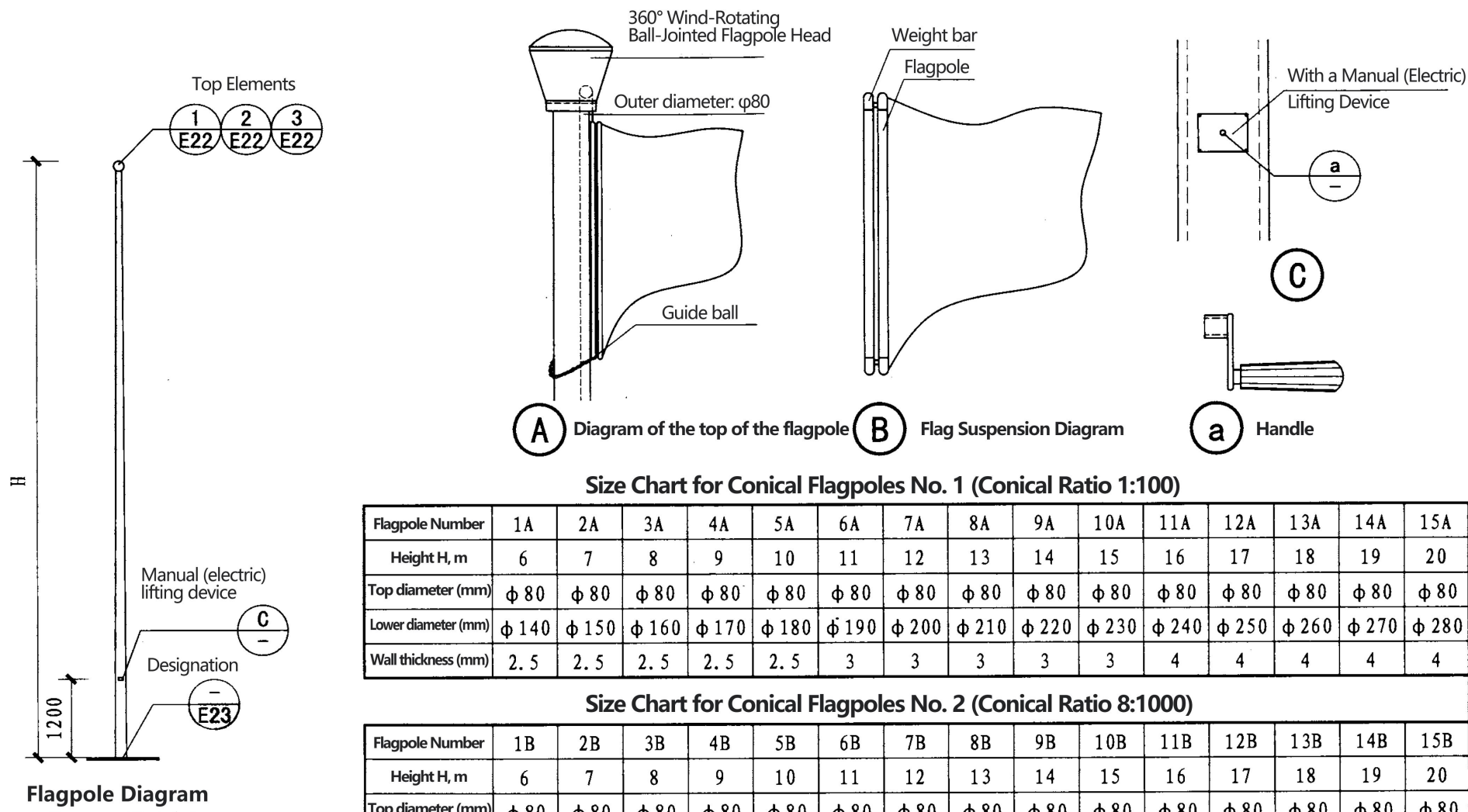
Flagpole

Made of 201-grade stainless steel, it comes with plastic anti-slip balls. The length is selected based on the height of the flagpole.



Deep-set foundation (reinforcement cage)

Made of Q235 steel. The dimensions and configuration are selected based on the height of the flagpole.



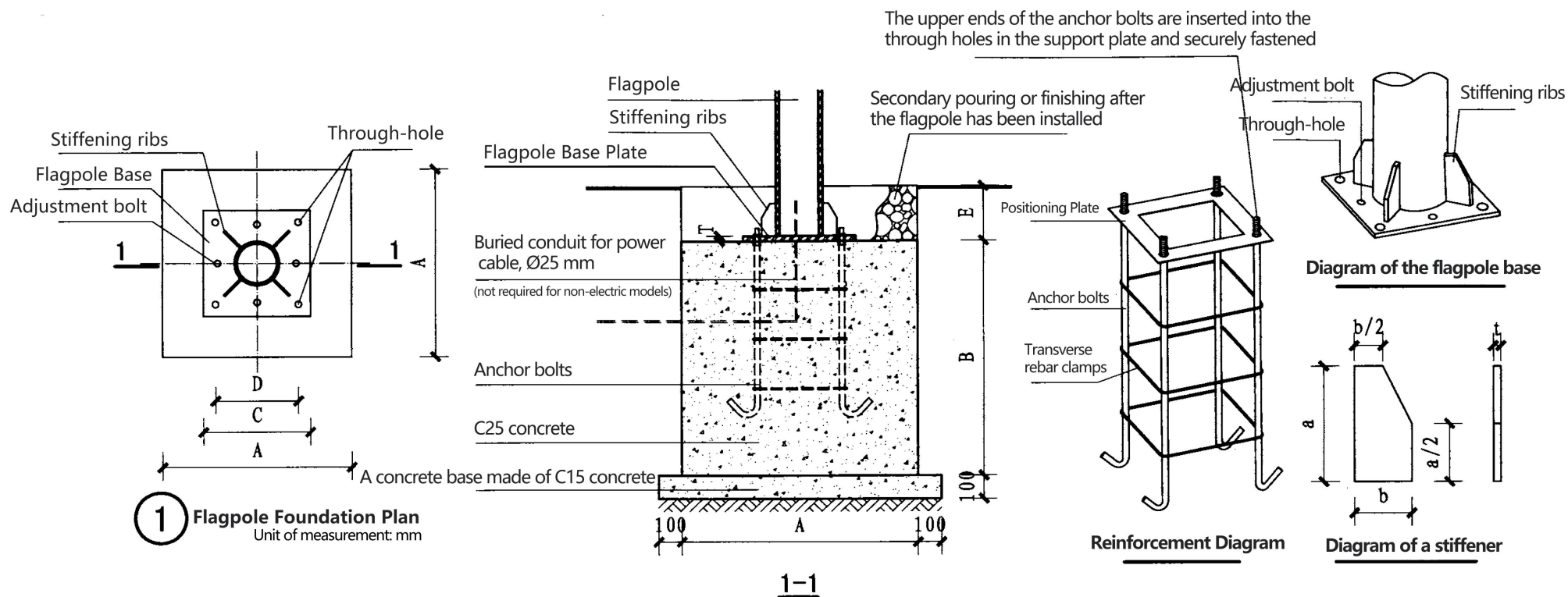
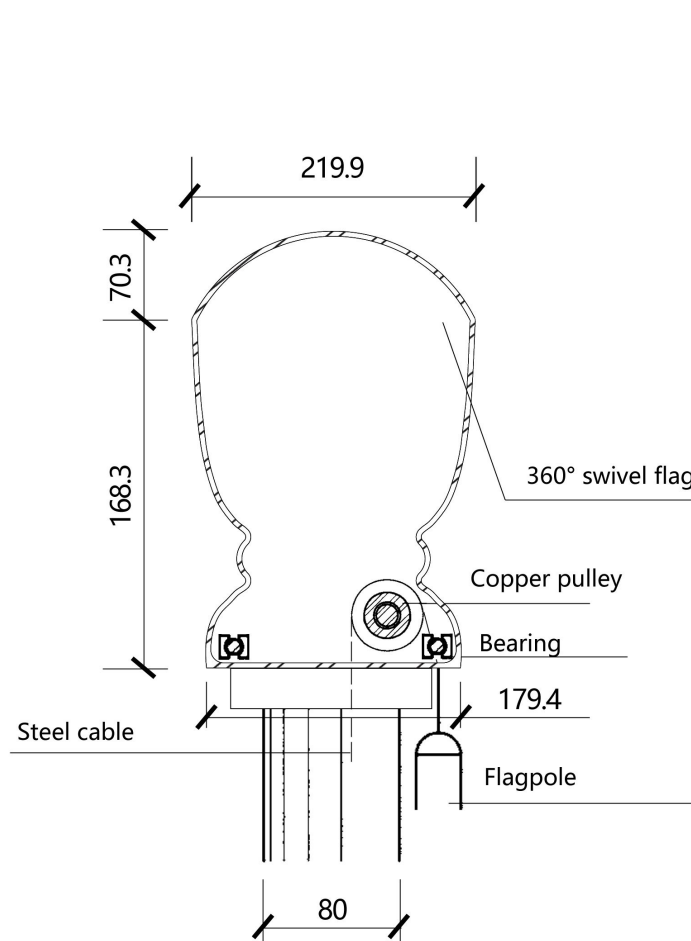
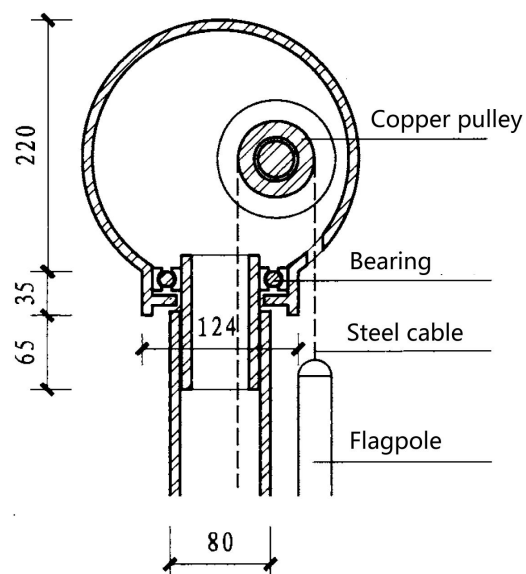
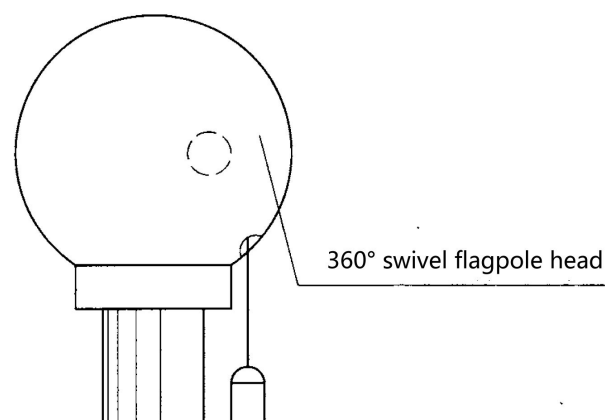


Table of Specifications for a Flagpole's Retaining Foundation

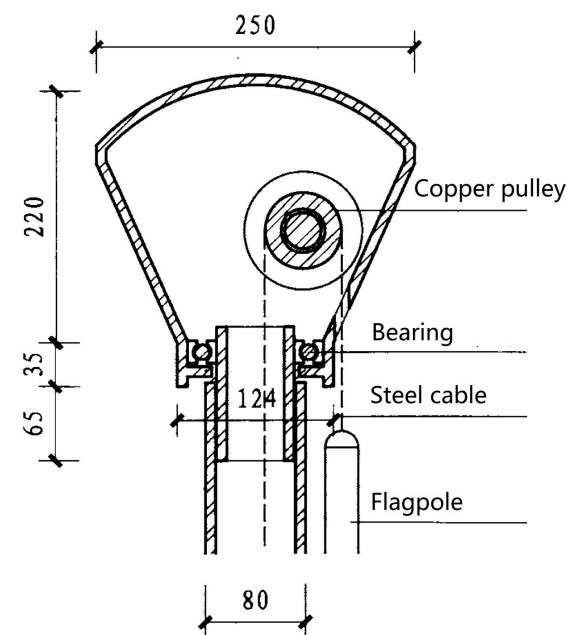
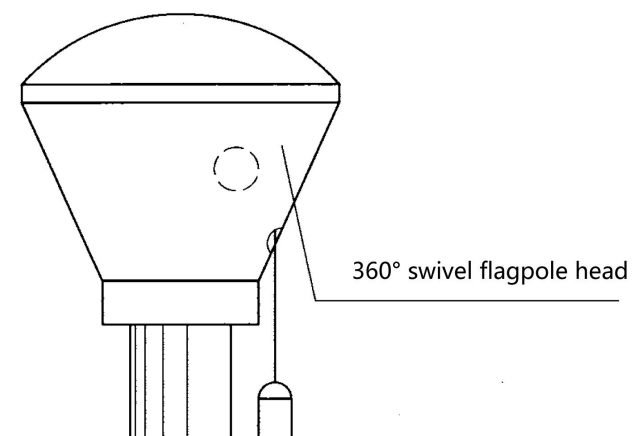
Flagpole height H, m	Dimensions of the concrete foundation: A × A × B, mm	Anchor bolts mm	Thickness of the positioning plate, mm	Dimensions of the flagpole base plate: W × H × D, mm	Distance between bolt centers D × D, mm	Through- holes	Adjustable bolts	Clamps	Dimensions of stiffening ribs: a × b × t, mm	Number of stiffening ribs, pcs.
6 < H < 9	800 × 800 × 1000	4-M20 × 800	3	450 × 450 × 14	350 × 350	4- $\varnothing 26$	4-M16	$\varnothing 8 @ 200$	200 × 75 × 10	4
9 < H < 13	1000 × 1000 × 1200	4-M22 × 1000	4	500 × 500 × 18	400 × 400	4- $\varnothing 28$	4-M16	$\varnothing 8 @ 200$	200 × 75 × 10	4
13 < H < 17	1000 × 1000 × 1400	4-M24 × 1200	4	500 × 500 × 20	400 × 400	4- $\varnothing 30$	4-M16	$\varnothing 8 @ 200$	300 × 100 × 15	4
17 < H < 20	1200 × 1200 × 1600	4-M28 × 1400	4	600 × 600 × 24	500 × 500	4- $\varnothing 34$	4-M16	$\varnothing 8 @ 200$	300 × 100 × 15	6



① A Headpiece with a Dragon



② Rotating round flagpole cap



③ Rotating oval flagpole cap