

3S LIFT PRODUCTS

Global Supplier of
Working-At-Height Solutions



Our Vision

Our Mission

Since 3S LIFT was founded in 2005, it has been part of our mission to support the fight against climate change. The solutions we offer contribute to the effectiveness, efficiency, and acceptance of renewable energy.

Elevating Health & Safety



- Headquarters
- Subsidiary
- Countries and regions where 3S LIFT products are used

Company Profile

3S Industry Group INC. is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 17 different industries and exported to more than 70 countries. Our core business is the wind industry. With our strong focus on R&D, we have been granted for more than 600 patents and obtained over 100 global safety qualification certificates. We strive to support our customers and makes a better future in the field of working at height.

Headquartered in Beijing, 3S Industry has Manufacturing Centers in Beijing and Tianjin. With wholly-owned subsidiaries in Dallas (USA), Hamburg (Germany), Chennai (India), Tokyo (Japan), Jaraguá do Sul City (Brazil), and Dubai (UAE). Our global after-sales service teams provide on-site installation and maintenance services for our customers around the world. This way, 3S Industry ensures quick and reliable technical support, offering one-stop-shop service for our customers.

With our 3S brand creed Safe, Simple, Specialized, we are dedicated to our mission of providing products and services that exceed customer expectations. We strive to make our products the best in their field. We use scientific and technological innovation to drive the development of integrative solutions that serve people working at height.

2005

Year
Established

1st

Market Share in Our
Specialized Segment Within
the Wind Power Industry

600+

Global Patents

11

Global
Subsidiaries

150,000+

Units of 3S Work-at-Height
Products in Service

100+

Global
Qualifications

900+

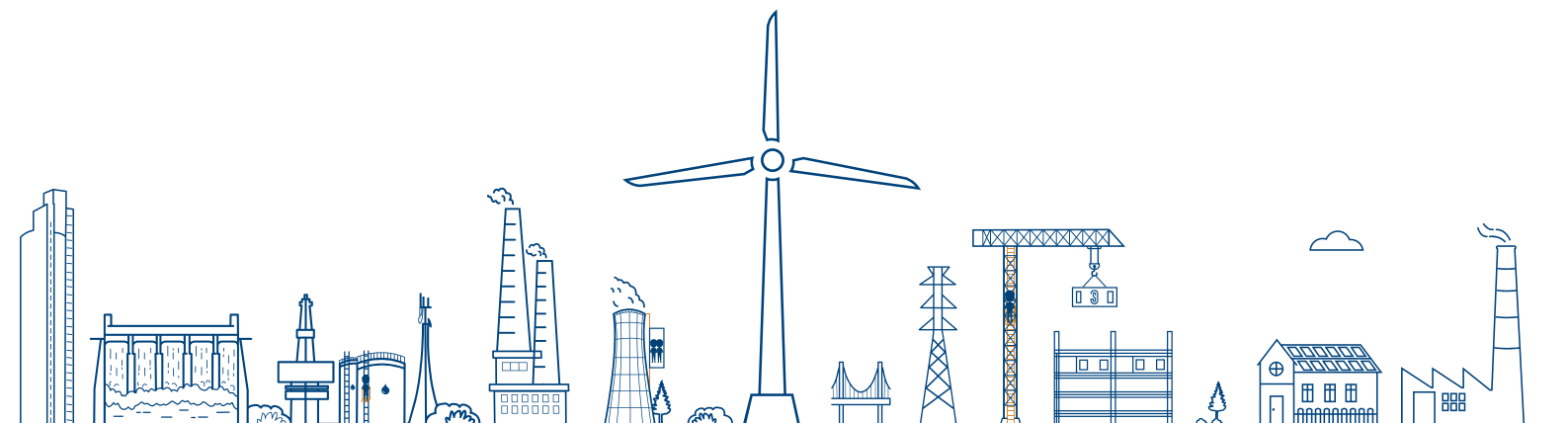
Employees

5,000+

Wind Farms Utilizing
3S Products

20+

Global Standards



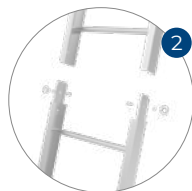
Plug-in Ladder Hoist

Specifications

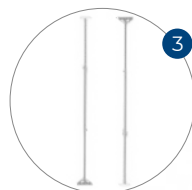
Plug-in model	MH03L250
Rated load (kg / lbs)	250 / 552
Max. lifting height (m / ft)	21 / 68
Lifting speed (m / min ft / min)	30 98 (double speed)
Smooth start / stop	Yes
IP class	IP 54 (electrical)
Operating temperature (°C)	-20 to +55
Drive unit weight (kg / lbs)	65 / 56 (143 / 123)
Noise level (dB)	72 - 76
Wire rope diameter (mm)	6
Power supply (V)	230 / 110 , Frequency adaptation
Over load detection	VFC control



Rail Top Section



Rail Section Connectors



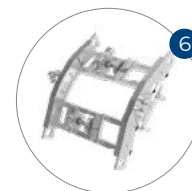
Guide Rail Support



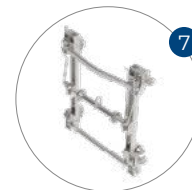
Drive Unit



Roof Support Bracket



Knee Section



Carriage



LBS Grooved Drum



Battery Ladder Hoist

Specifications

Battery model	MH04L120
Power supply (w)	550
Battery voltage	2 pcs × 18 V / 5 Ah
Battery brand	Dewalt / Milwaukee / 3S Local Source
Rated load (kg / lbs)	120 / 265
Max. lifting height (m / ft)	14 / 46 (customizable)
Lifting speed (m / min ft / min)	15 49
Wire rope diameter(mm)	5
Waterproof	IP 54 (electrical)
Over load detection	Current overload



Head Section



Rail Section



Drive Unit



Solar Panel Platform (Optional)



Universal Platform (Optional)



Bottom Section



Vertical Ladder Hoist

Specifications

Model	VH01L300	
Drive type	Rack and Pinion	
Max. rated load	300 kg	
Max. lifting speed	20 m/min	
Anti-fall braking distance	≤ 1.4m	
Lifting height	50 m (Can be customized)	
Platform dimensions	Before expansion	880 mm × 1230 mm × 870 mm
	After expansion	880 mm × 1230 mm × 2070 mm
Single rail length/weight	1.47 m / 24.5 kg	
Drive unit dimensions	800 mm × 500 mm × 1500 mm	
Drive unit weight	140 kg	
Motor power	2.2 kw	
Operating voltage	230 V 50 Hz	
Maximum operating current	16 A	
Control voltage	AC 24 V 50 Hz	
Noise level	≤ 79 dB	
Operating temperature	-20°C to 55°C	
Certification / Standard	CE / EN 12158-1	



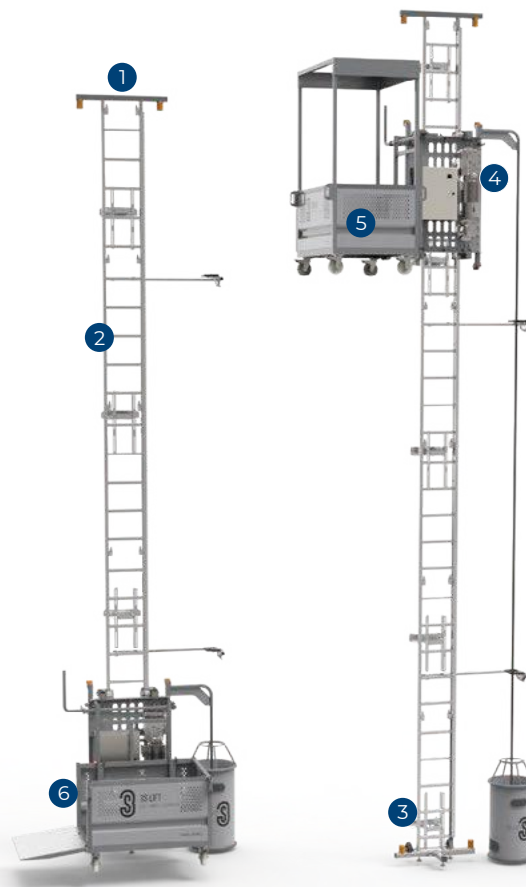
Top Section



Standard Rail Section

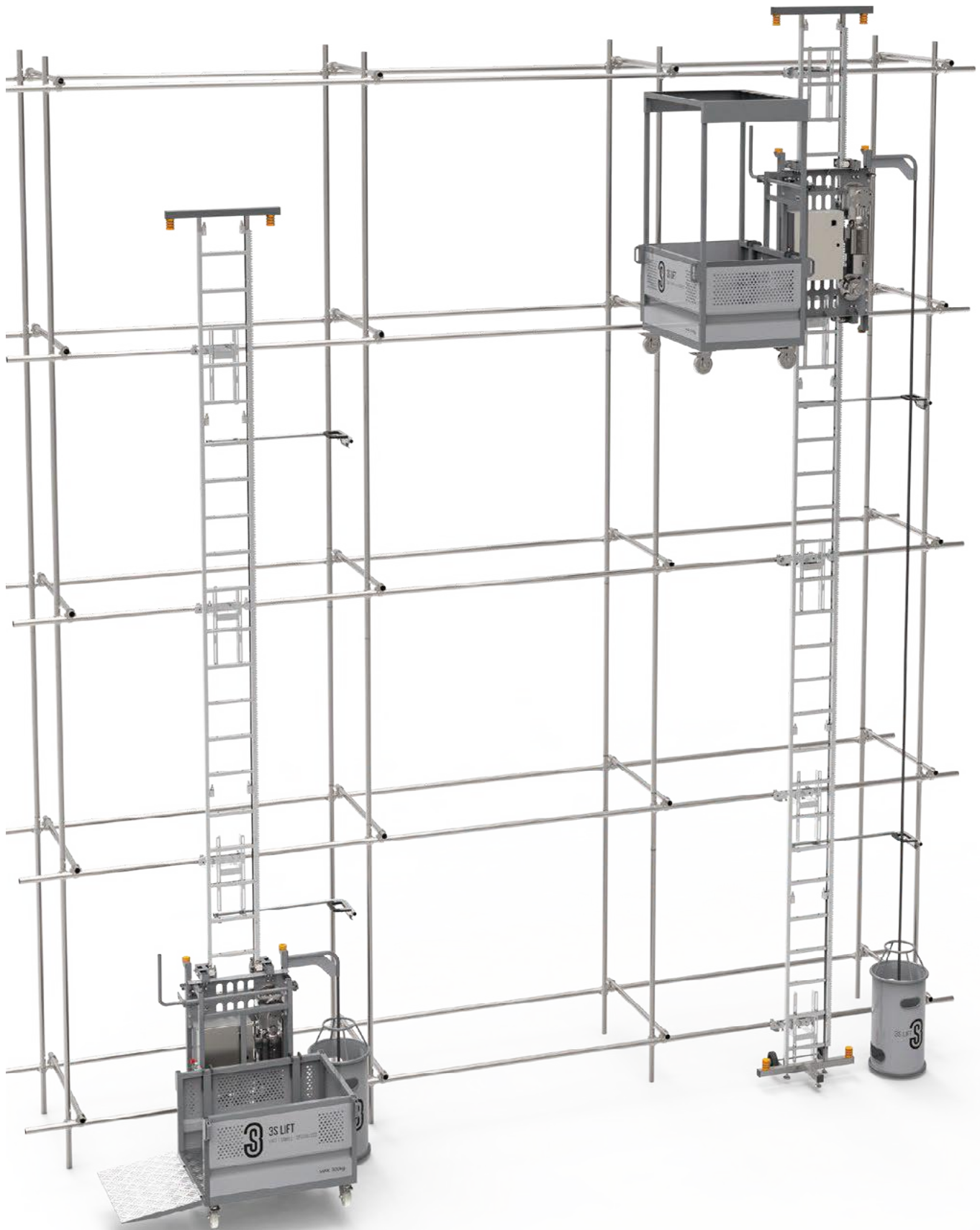


Bottom Section



Drive Unit

Transport Cradle
with ExtensionTransport Cradle
without Extension



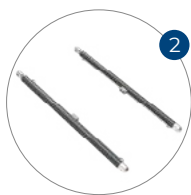
Trailer Lift

Specifications

Model	3S - YT621	3S - YT732
Max. travel speed (km / h)	85	85
Rated load (kg)	230	400
Max. rail length (m)	21	32
Max. operating speed (up/down)	24 / 24	48 / 48
Dead weight (t)	0.75	2.8
Power supply (electric model)	Electric motor	Petrol engine
Engine (motor) power (kW)	230 , 1.5	13
Chassis dimensions (L, W) (mm)	5300 x 1400	6540 x 1780



Turntable



Luffing Cylinder



Guide Rail Members



Carriage



Load Carrying Device



Electrical Control System

Gasoline Engine
(Electric motor)

Hydraulic System



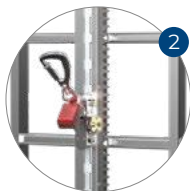
Tower Climber

Specifications

Model	T150
Capacity	1 person
Weight (kg)	70
Rated load (kg)	150
Maximum lifting height (m)	350
Dimensions (mm)	380 × 560 × 1340
Speed (m/min)	18
Distance with one full battery charge (m)	≤1500
Protection level	IP 65
Noise level (A)	≤79 dB
Corrosion protection	C4-L
Operating temperature	-20°C to 55°C
Motor power (kW)	1
Power supply (V)	Battery powered Nominal voltage DC 48
Design life	20 years



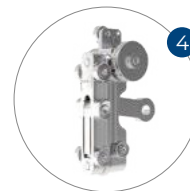
Upper-End
Stop with Buffer



Operator
Fall Arrester



Manual Descent
Function



Car Fall Arrester



Overload Protection
System



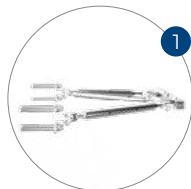
Lower-End Stop
with Buffer



Industrial Elevator

Specifications

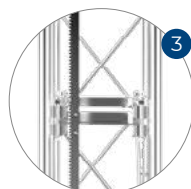
Model	SC50	SC100	SC200
Rated load (kg)	500	1000	2000
Speed (m / min)	0 - 60		
Power supply	380 V / 50 Hz		
Dimensions (mm)	1000 × 1000 × 2200	1200 × 1000 × 2200	3000 × 1400 × 2200
Maximum height (m)	300		
Code Compliance and Certifications	GB/T 26557 ; CE-EN12159 ; Explosion-proof-GB/T 3836		



Mast Tie



Overspeed Safety Device



Mast Section



Interlocking Device



Constant-Speed Controlled Descent Function



Rack and Pinion Drive



Gear Motor



Frequency Converter



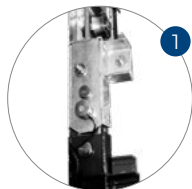
Programmable Logic Controller



Construction Hoist

Specifications

Model	Rated load (kg)	Speed (m / min)	Control System	Motor power (kW)	Inverter Power (kW)	Power supply	Cage dimensions (mm)	Maximum height (m)
CH200	2000	0-46	VFC	2 × 11 / 18.5 (50 / 87Hz)	37	380V / 50Hz	3200*1500*2200	500
		0-63		3 × 11 / 18.5 (50 / 87Hz)	75			
		0-96		3 × 18.5 / 32 (50 / 87Hz)	110			
CH200 / 200	2000 / 2000	0-46	VFC	2 × 2 × 11 / 18.5 (50/87Hz)	2×37	380V / 50Hz	3200*1500*2200	500
		0-63		2 × 3 × 11 / 18.5 (50/87Hz)	2×75			
		0-96		2 × 3 × 18.5 / 32 (50/87Hz)	2×110			



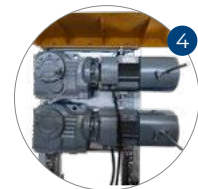
Overload detection device



Cage



Overspeed safety device



Drive unit



Landing enclosure panel



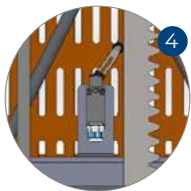
Mast Climber (MC450)

Specifications

Model	MC450-S	MC450-T
Platform length (m)	2.8-10.2	6.2-30.2
Platform width (m)	1.2-2.4	
Rated load (kg)	1000-2000	2000-4000
Speed (m/min)	7-12	
Power supply	380 V / 50 Hz	
Max lifting height(m)	400	



Drive Unit

Overload
Detection DeviceOverspeed
Safety DeviceRack Detection
Switch

Guiding System



Work Platform



Platform Gate



Towable Chassis





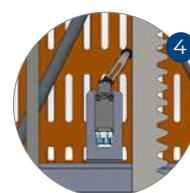
Mast Climber (MC650)

Specifications

Model	MC650-S	MC650-T
Platform length (m)	3-12	6.6-32.2
Platform width (m)	1.5-2.7	
Rated load (kg)	2000-3500	3500-5000
Speed (m/min)	7-12	
Power supply	380 V / 50 Hz	
Max lifting height(m)	400	



Drive Unit

Overload
Detection DeviceOverspeed
Safety DeviceRack Detection
Switch

Guiding System



Work Platform



Platform Gate



Towable Chassis

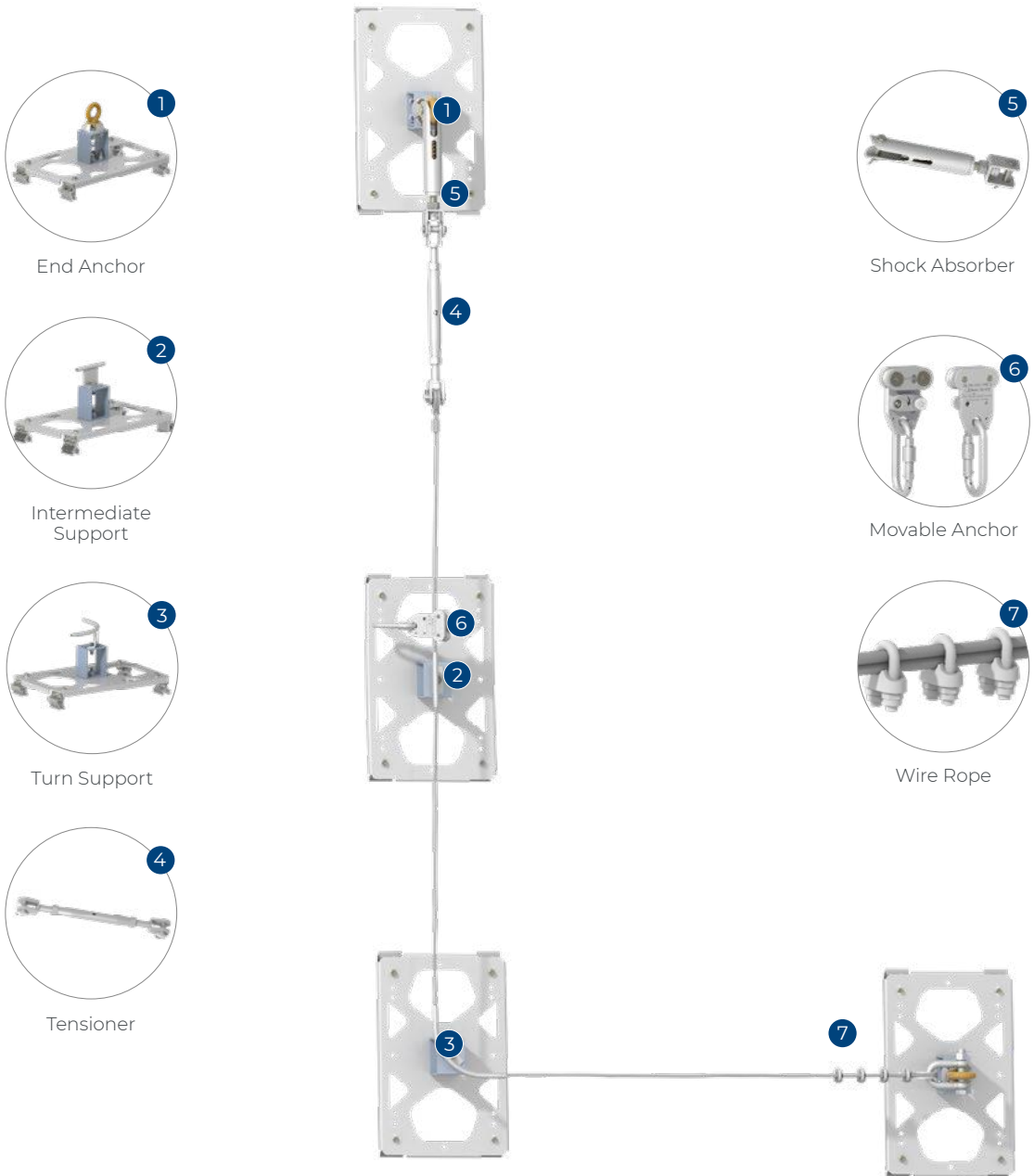




Horizontal Lifeline System

Specifications

Model	TF-SH80	TF-SH83	TF-SH10
Material	Stainless steel / hot dip galvanized wire rope		
Wire rope diameter(mm)	8.0	8.3	9.5
Rated load(kN)	12	12	12
Intermediate support spacing(m)	≤ 12	≤ 12	≤ 12
Applicable fall arrester	TF-H10	TF-H10	TF-H10
Standard	EN795: 2012	EN795: 2012	EN795: 2012
Certification body	CE	CE	CE
Customization	Customized design and manufacturing		





Full Body Harness

Specifications

Model	11011010	SA-01001
Description	5 attachment points, 7 adjustments	5 attachment points, 5 adjustments
Certification	ANSI	CE, LA
Standard	ANSI Z359.11-2021	EN 361, EN 358, EN 813, AS/NZ S1891.1:2007
Static load (kN)	16	15
Rated load (kg)	140	100
Service life	5 years	5 years
Material	Webbing: 1000D Polyester fiber; Hardware: Aluminum alloy; Storage bag: Elastic+Retainer plate; Pad: 3D mesh fabric+EVA	



Safety Lanyard



12100510
100% Tie-Off
Shock-Absorbing
Lanyard (Dual Leg)



1210010
100% Tie-Off
Shock-Absorbing
Lanyard (Dual Leg)



SC-01001
100% Tie-Off
Shock-Absorbing
Lanyard (Dual Leg)



SC-02001
Shock-Absorbing
Lanyard (Single Leg)



SD-01001
Adjustable
Work-Positioning
Lanyard



SE-01001
Vertical Lifeline
With Shock Pack
And Fall Arrestor

Self-Retracting Lifeline



SRL-15S



SRL-25S



SRL-06SA



SRL-08SA



电危险
High Voltage

Fall Protection System

Guide Rail Fall Protection System Specifications

Model	SL-R60S	SL-R50E	SL-F10
Compatible guide rail	TF-R5, TF-R	TF-R5, TF-R	TF-F
Rated load	30 kg to 140 kg	30 kg to 140 kg	30 kg to 140 kg
Max. static load (kN)	16	16	15
Certification	CE, ANSI, OSHA, ABNT/NBR, AS/NZS	CE	CE
Standard	EN 353-1 ANSI Z359.16 CSA Z259.2.4 ANSI A14.3 OSHA 1910.140 AS/NZS 1891.3 ABNT/NBR 14627	EN 353-1	EN 353-1:2014 +A1:2017 AS / NZS 1891.3-1997GB/T24542-2009



Wire Rope Fall Arrester Specifications

Model	SL-810S	SL-820S
Compatible wire rope	TF-80 / TF-83 / TF-10	
Rated load	30 kg to 140 kg	
Max. static load (kN)	15	16
Certification	CE	CE, ANSI, OSHA, ABNT/NBR, AS/NZS
Standard	EN 353-1	EN 353-1, ANSI Z359.16, CSA Z259.2.5 ANSI A14.3, OSHA 1910.140/29, OSHA 1926.502 AS/NZS 1891.3, ABNT/NBR 14627



Aluminum Ladder

Specifications

Standard width (mm)	470 / 490 / 520 / 575
Custom width (mm)	300-1000 (can be customized)
Section length (mm)	5880
Rung distance (mm)	280
Rung dimensions (mm)	30×30
Stile dimensions (mm)	60×25 / 72×25 / 74×25
Standards	GB/T 17889.2, GB/ 17888.4, EN131-2, EN ISO 14122, DIN 18799, AS 1657, ANSI-ASC A14.3, OSHA 1910.23, OSHA 1926.1053
Certification	CE

※ Dimensions can be customized according to customer requirements



Anchor Point

Specifications

Model	WTL-A1, WTL-A2, WTL-A3.....WTL-A40
Material	Q235B / SUS304 / SUS316L / 23MnCrNiMo54 / 42CrMoA / Q355E
Surface treatment	Zinc infiltration + spraying / Dacromet + spraying / Sandblasting + spraying / Spraying / Titanium plating
Corrosion resistance	C5-M 720h / C5-H 1440h
Load capacity (kN)	12 / 15 / 22.2 / 44.4
Vertical beam size (mm)	60×25 / 72×25 / 74×25
Implementation standards	EN 795, EN 50308, CEN TS 16415, OSHA 1926.502
Certification	CE
Customization	Customized design and manufacturing can be carried out according to different customer needs.



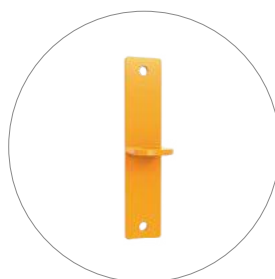
WTL-A3

Materials: Q235B t4



WTL-A4

Materials: SUS304 t10



WTL-A5

Materials: SUS304 t8



WTL-A7

Materials: SUS304 t5



WTL-A8

Materials: SUS316



WTL-A9

Materials: 23MnCrNiMo54



WTL-A10

Materials: 42CrMoA



WTL-A11

Materials: SUS316L





Scan to learn more



3S Industry Group INC.

No. 11 Tongji South Road,
Jingkai District,
Beijing 100176, China
+86 10 69597866
info-china@3sindustry.com

3S Americas, Inc.

2920 Telecom Parkway,
Suite 400, Richardson,
TX 75082, USA
+1 972 849 3210
info@3SAmericas.com

3S Europe GmbH

Hein-Saß-Weg 21
21129 Hamburg Germany
+49 40 32518887
info@3SEurope.de

3S Lift India Private Limited

Workafella Business Center-51,
Level 4, Tower A Rattha Tek
Meadows Old Mahabalipuram
Road, Rajiv Gandhi Salai,
Sholinganallur Chennai, Tamil
Nadu, India, 600119
+91 9600653379
info-india@3sindustry.com

3S Japan Co., Ltd.

#B1F Bright Akihabara 1-24-9
Taito, Taito-Kaku, Tokyo,
110-0016 Japan
+81 (90) 4602 3955
info-japan@3sindustry.com

3S LIFT BRASIL LTDA

Jorge Czerniewicz street,
1020, Room 01, Czerniewicz
zone, CEP 89.255-000,
Jaraguá do Sul City,
Santa Catarina State.
+55 11 97847-8584
info-brasil@3sindustry.com

3S Middle East LLC-FZ

Meydan Grandstand, 6th
floor, Meydan Road, Nad Al
Sheba, Dubai, U.A.E.
info-uae@3sindustry.com