



SunKid

LIFTS

14/02896/FUL

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APPROVED

CAIRNGORMS NATIONAL PARK AUTHORITY

UGHIDARRAS PAIRC NAISEANTAA M'HONAIDH RUAIDH

SunKid LIFTS

System-Options:

The SUNKID-LIFT-Modular System has the option of more than 80 variations. If you make the choice, you have to consider the terrain-shape, the requested capacity, the passengers you want to move, the amount of snowfall and the local environment.

SUNKID-Cord: Kleinskillift "Rope Tow," with Fiber-Rope, rubber grips, max. grade 20% (for special use beyonding 20 % - for example short tow for skilled skiers), used as a kinder and beginner tow, training lift, transfer lift.

SUNKID-Star: Grade 0-40% (21,8°), equipped with handles, steel cable, make your choice between the simple „STAR“ Handle or the revolving linked "Comfort Platter Handle".



System-Options:

SUNKID-Pino Cord: With or without variable height, max. length 125m, max 3kW, no concrete foundation necessary.

SUNKID-Swiss Cord: The sophisticated Cord-Lift, variable height by motor, max. length 300m (longer for special use), max. 11 kW, max. capacity 720 persons per hour.

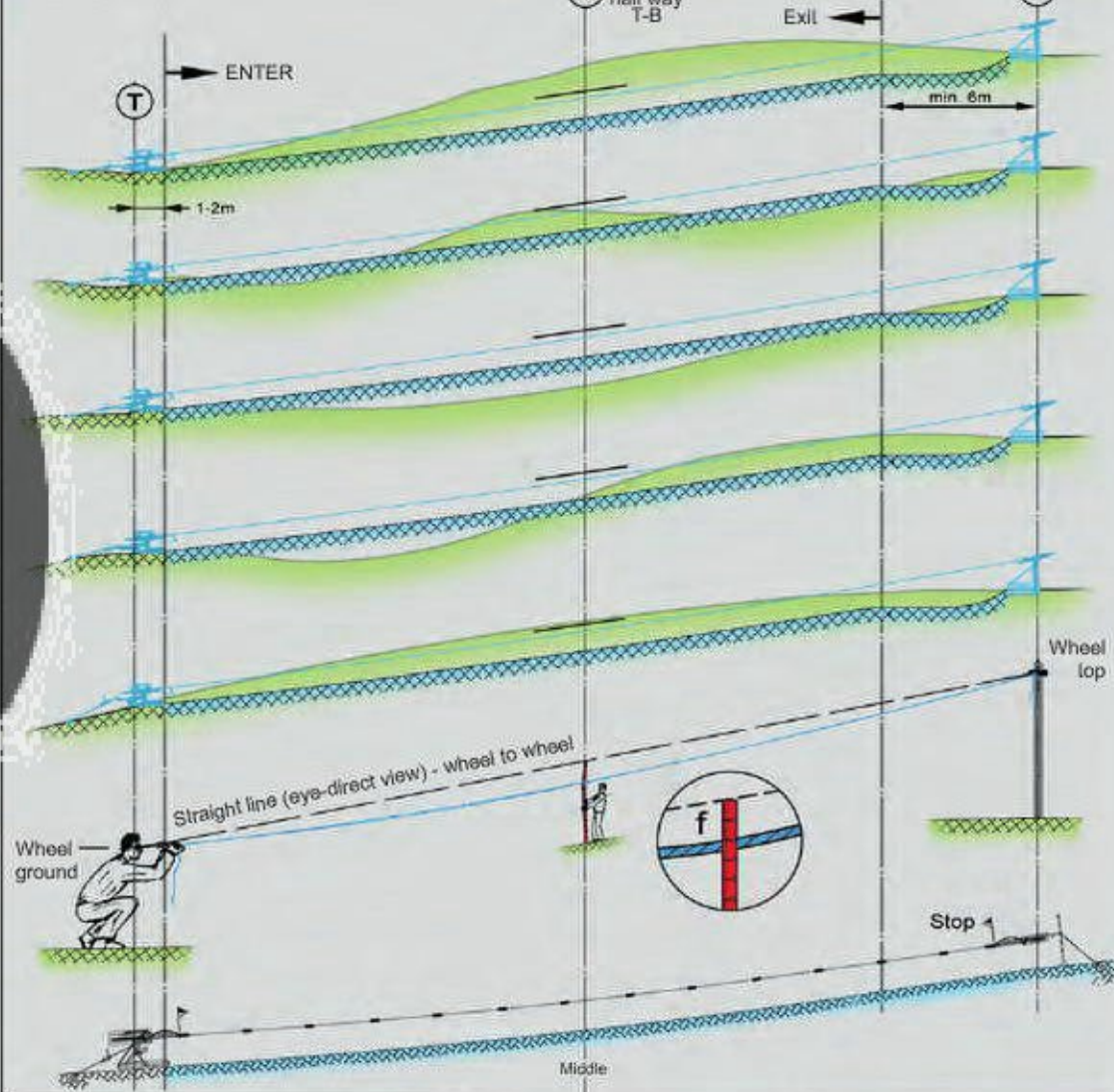
SUNKID-ME-CA: Simple handle design, fixed link to the haul rope, variable height manual or hydraulic driven, variable range small (0,45 m) or big (2,5 m) or the most ambitious Type ME-CA-Star, variable height up to 2,8 m by motor. Driving motor 5,5-15 kW, max. capacity 720 persons per hour.

SUNKID-Comfort Star: Equal to STAR, but equipped with the Comfort-Platter Handle, comfortable for small and tall customers.

Motor-Size: Depend on grade, length and requested capacity. Available 3 kW, 5,5 kW, 7,5 kW, 11 kW, 15 kW. Standard 400 V - optional 480 V.

THE TERRAIN HAS TO MATCH THE ROPE-LINE ! **NO COMPROMISE !!**

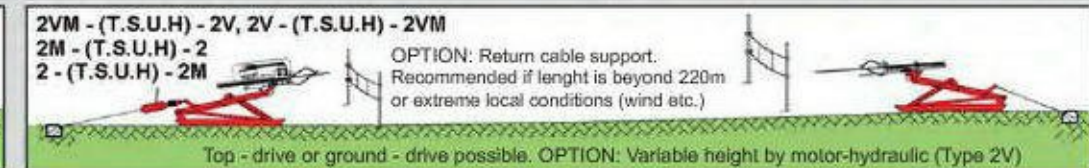
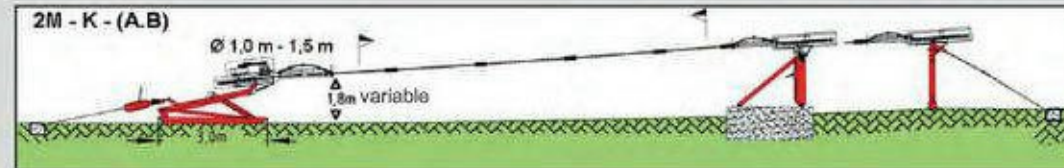
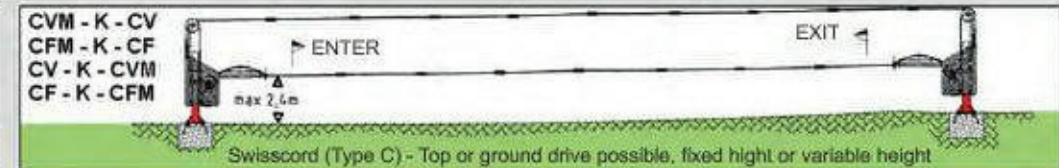
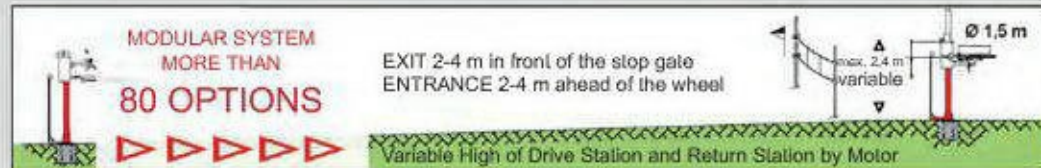
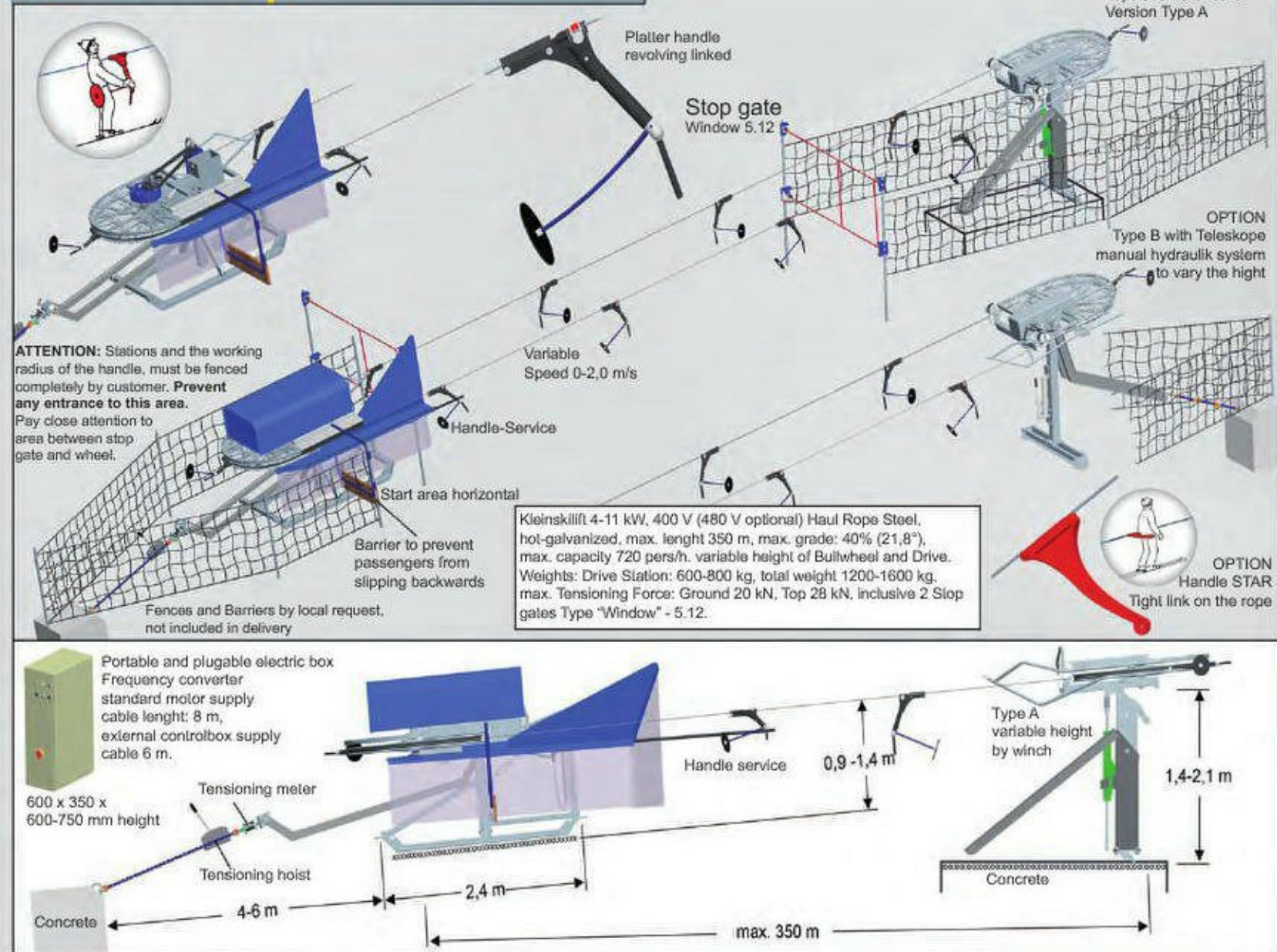
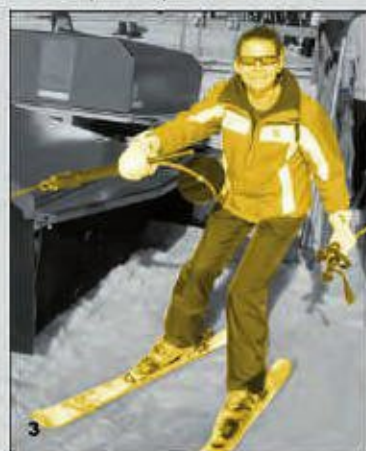
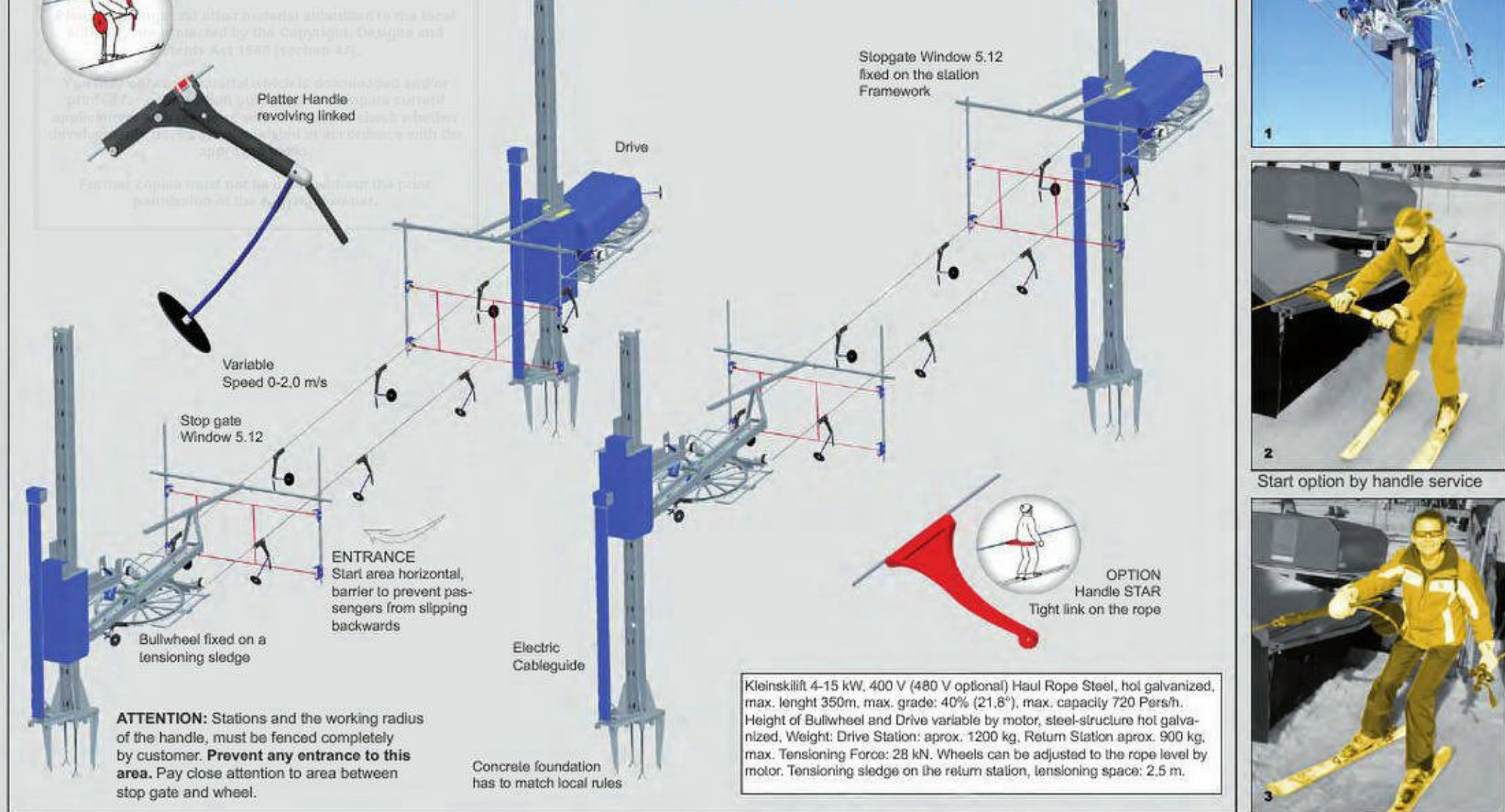
If necessary the terrain has to be prepared by moving the ground.

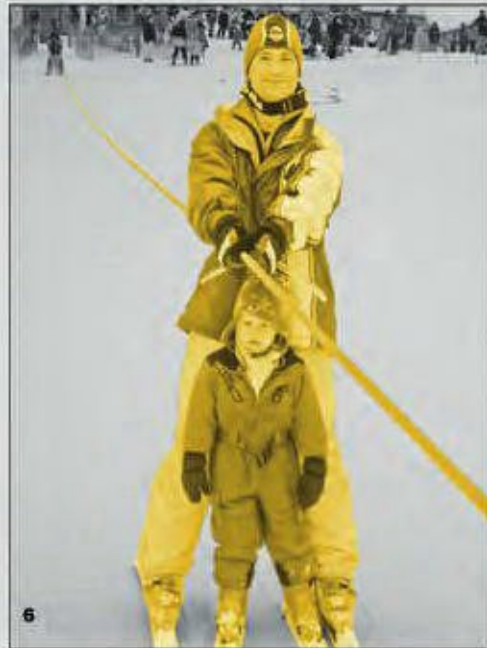


Grade	Capacity: 400 up to 720 Persons per hour Speed 1,6 - 2 m/s							
	0%	5%	8%	10%	12%	15%	20%	30%
Length								
0-50 m	3	3	3	3	3	3	5,5	5,5
80 m	3	3	3	3	3	3	5,5	5,5
100 m	3	3	3	3	5,5	5,5	5,5	7,5
125 m	3	3	3	5,5	5,5	5,5	7,5	7,5
150 m	5,5	5,5	5,5	5,5	7,5	7,5	7,5	7,5
200 m	5,5	5,5	5,5	7,5	7,5	11	11	11
250 m	5,5	5,5	7,5	7,5	11	11	15	15
300 m	5,5	7,5	7,5	11	11	11	15	15

STAR LIFT Steelcable ø 9mm	Sag in middle	
	f _m min.	f _m max.
Length (m)		
100	1,0m	1,5m
150	1,5m	2,5m
200	2,0m	3,0m
225	2,6m	3,8m
250	3,5m	4,8m
275	4,2m	5,8m
300	4,8m	6,0m
325	5,5m	6,5m

CORD LIFTS Nylon Rope	
Sag in middle "f"	
Length	
50 m	0,4 - 0,6 m
80 m	0,7 - 0,9 m
100 m	1,0 - 1,2 m
150 m	1,8 - 2,0 m
200 m	2,5 - 3,0 m





SunKid | PinoCord

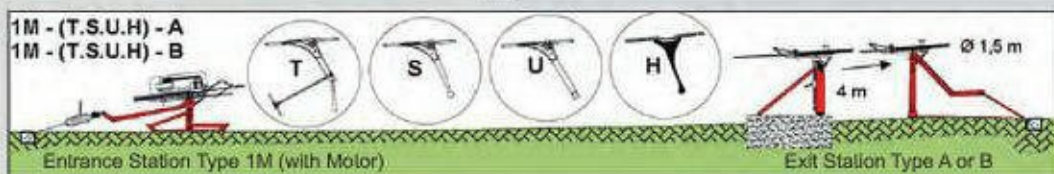
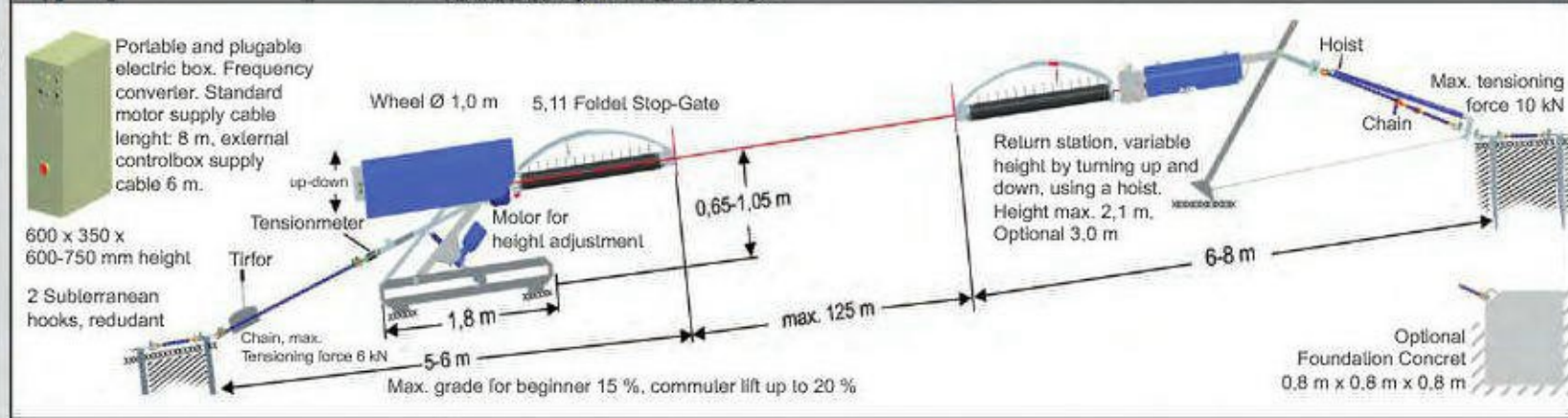
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Folded Stop Gate

Version optional: Safety gate type 5,12 window

Fences and Barriers by local Request, not included in delivery

Kleinskifflift "Fiber Rope tow" 3kW, 3 x 400 V. ATLAS polyamide fiber rope with rubber-grips. Variable speed by Frequency-Converter, max. transport length 125 m, max. grade 20%. Driving motor in ground-station only. Aluminium light weight design. Total weight 250 - 300 kg, heaviest part: 180 kg. Option: Variable rope height by motor 0,65 - 1,05 m (0,75 kW). Variable height top station by hoist and chain 1,2 - 3,0 m. Drawing is made for a "right-lift" (Uphill rope on the right side seen from the ground.)



SunKid | SwissCord

Weight:
Drive Station app. 1.200 kg
Return Station app. 1.000 kg

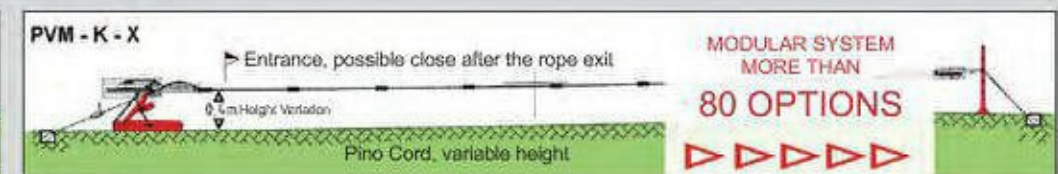
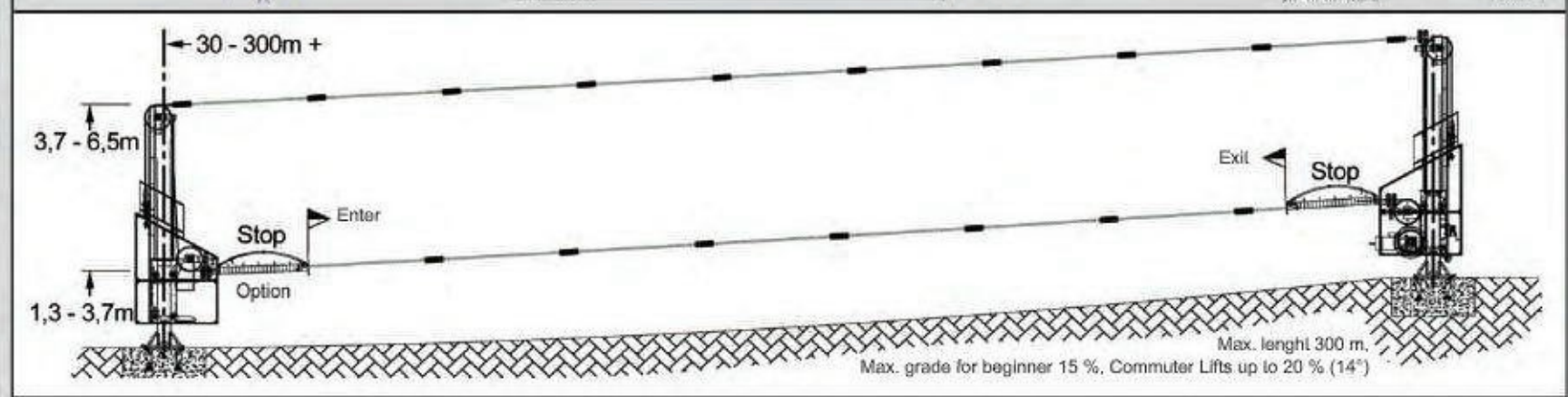
Variable Speed 0-2,0 m/s

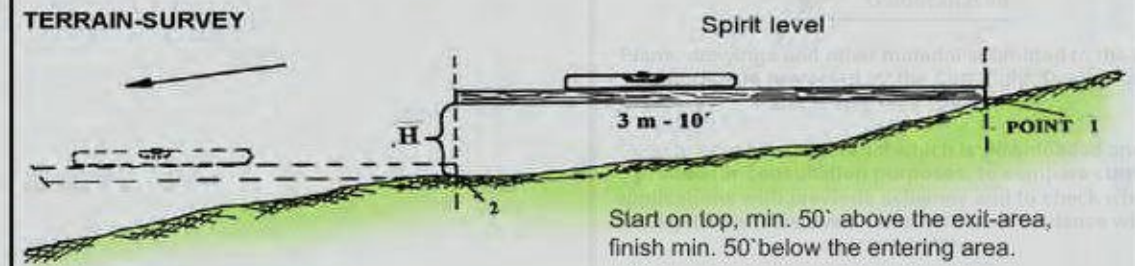
Kleinskifflift "Fiber Rope tow" 5,5 - 11 kW, ATLAS polyamide fiber rope with rubber-grips, variable speed by Frequency-Converter, drive station top or ground (at choice). Optional: Variable height by motor.

Entrance both side possible

Option

Option





Tabelle/Table

Point	H (inch)(cm)	Point	H (inch)(cm)
1	0,0		
2			

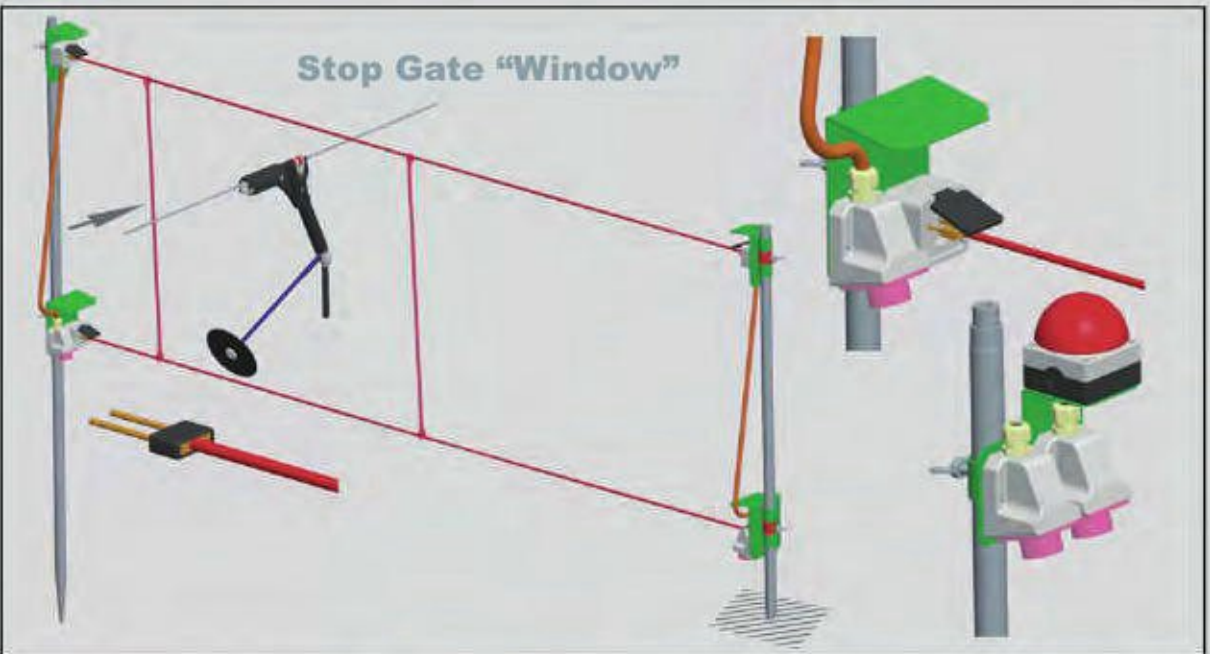
Details for your project:

Distance from sheave to sheave _____ m

Average inclination or altitude _____ %/m

Capacity requested _____ Pers.

Left- or right-loading seen from drive station left right

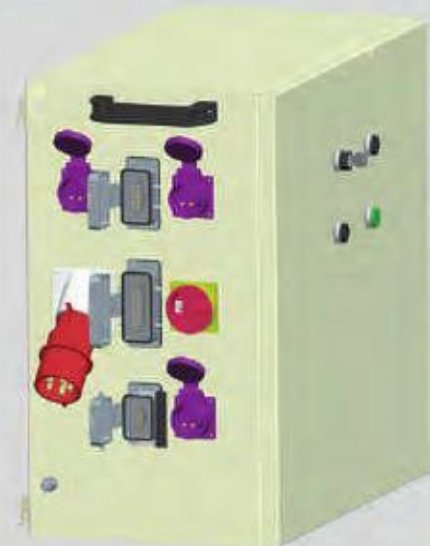


Electric Box for Kleinskilifte 3-15 kW

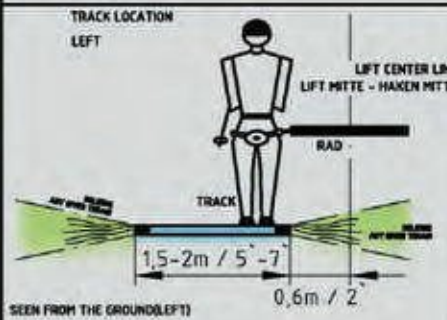
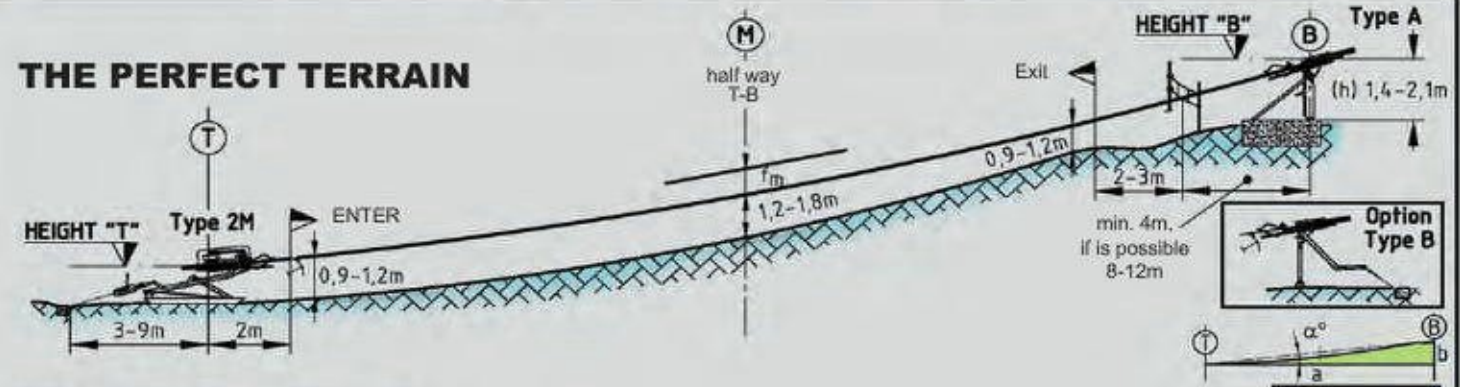
Portable and plugable electric box.
 Frequency converter
 Standard motor supply cable length: 8 m.
 External controlbox supply cable 6 m.
 Option: Diagnostic system



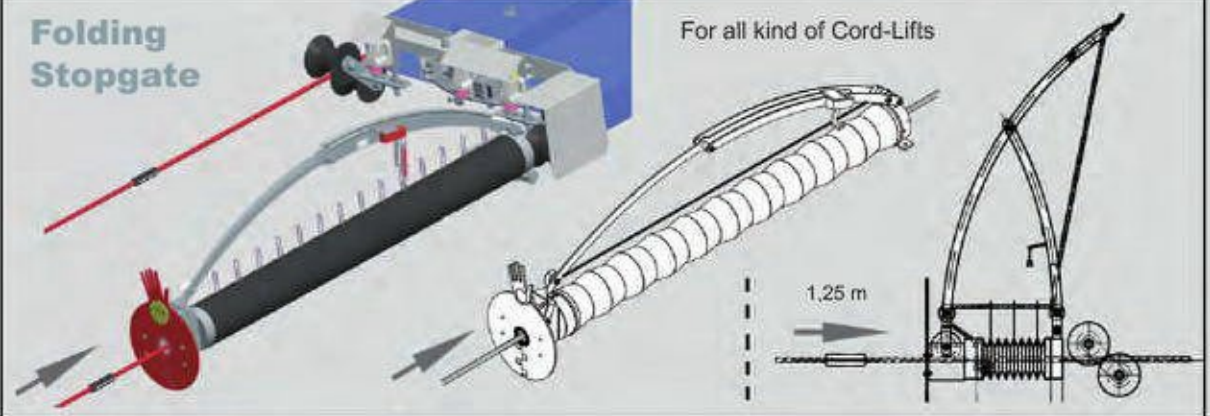
External Control-Box



THE PERFECT TERRAIN



- Undertensioned rope will slip on the driving wheel, overtensioned rope will result in damage to the rope or equipment.
- In the best case, the terrain profile should sag slightly more than the rope. In any case, the rope height at the entrance and the exit area has to match the Plan (0,9 - 1,2m). The height of the bullwheel on top is dependent on the shape of the terrain beyond the exit. Minimum height has to be 1,4m (h). For example, if the lift is ending on the peak of a hill, the wheel height can go up to 6m. For cases like this, special design is available.
- Top Station Type A: Mode for permanent installation. Concrete necessary.
- Top Station Type B: For flexible, mobile installation, also for extreme heights (working platform available) needs one anchor point only. Well suited for very high designed top stations.



Parts for Infrastructure

Carriage-Sledge variable high by hydraulic-system

OPTIONAL:
 Manual pump or motor pump



Attention: All numbers of capacity are theoretically calculated, the real capacity is dependent on the local situation and can possible reach only 50% (beginner-lift).
 Painting: Standard blue-grey, Extra colours by agreement.