

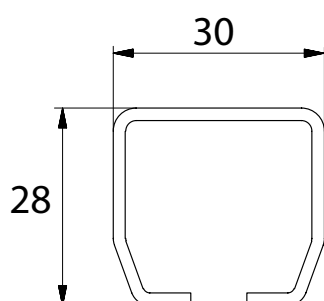
RAIL H100

TECHNICAL DATA SHEET

April 2017

Rail H100 is a multifunctional, budget-friendly curtain track for medium-heavy to heavy curtains.

» TRACK DIMENSIONS (MM)

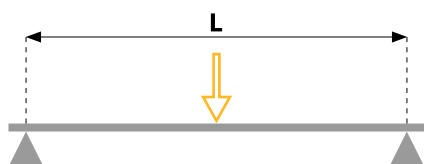


Track weight	1.34 kg/m
Track section max length	6 m
Curved track min radius	0.2 m

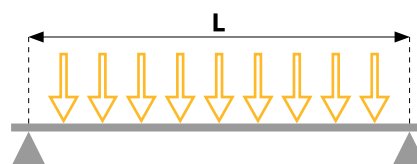
» SPECIFICATIONS

- The H100 is a steel track, standard available in three different finishes: galvanized, with a white (RAL 9016) or black coating (RAL 9005). Custom colours are available on demand.
- Rails are available in straight lengths or curved to your specifications. Couplers are available to join straight as well as curved rails.
- Mounting options include a wide range of different fixtures, offering a huge variety of application areas.
- A H100 system can be operated:
Manually: walking along the track or by pull-cord operation
Automatically: by pull-cord operation with our RTD series motors
- Different types of runners are available to answer a broad range of possible needs, including ball raced runners, scenery carriers, master carriers with brakes and overlap carriers.

» LOAD CAPACITY TRACK



L (m)	Point load (kg)
1	73 kg
1.5	61 kg



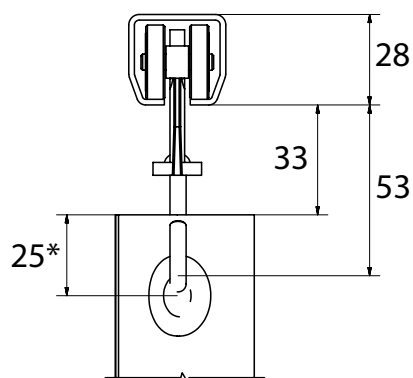
L (m)	Uniformly distributed load (kg/m) • total resulting load (kg)
1	150 kg/m • 150 kg
1.5	75 kg/m • 112 kg

! The distance between two supports should not exceed 1.5 m

The stated load capacities apply to the rail only. The load bearing capacity of the carrying construction (ceiling/truss/...) and all individual mounting accessories must be taken into account as well.

Load capacities have been calculated using Safety Factor 2. Apply the required Safety factor according to the standards pertaining to your application.

» **TRACK DIMENSIONS ACCORDING TO CURTAIN SIZE (MM)**

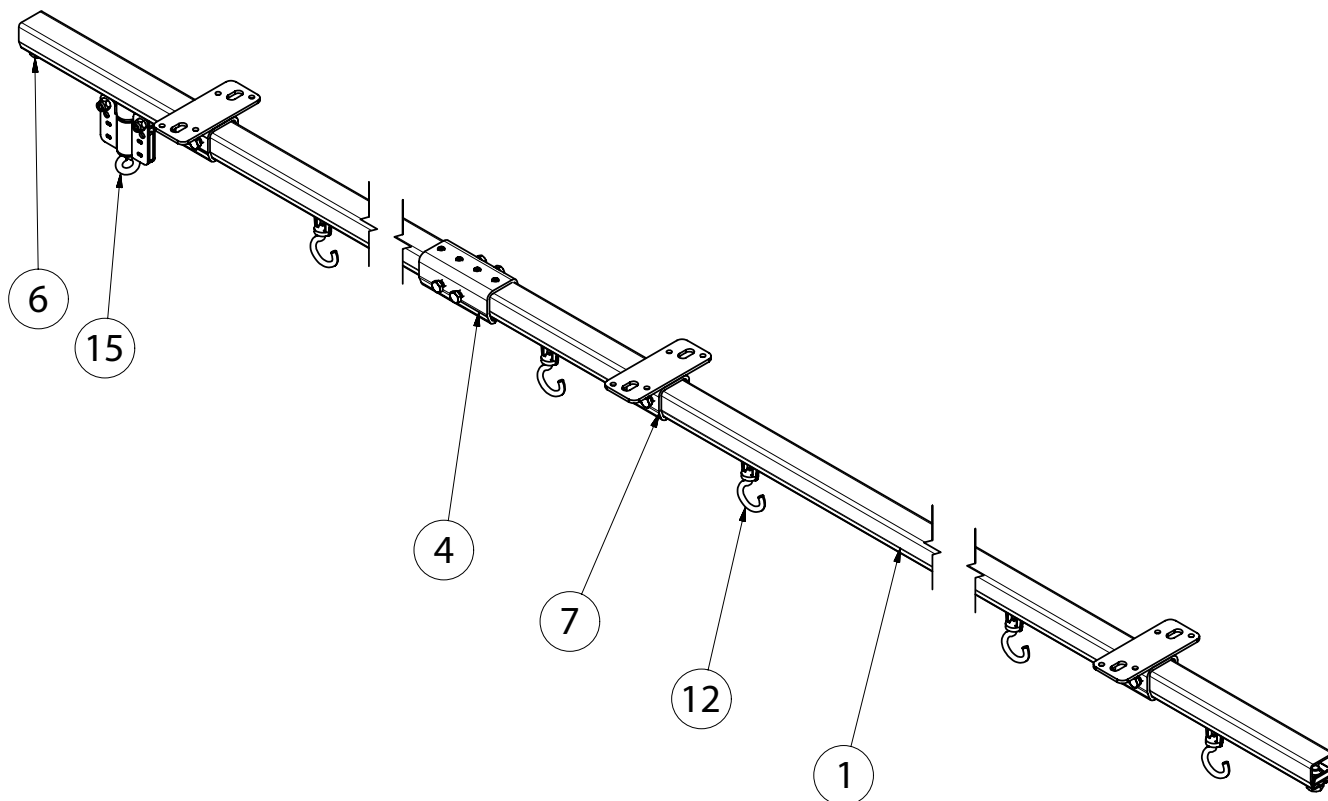


* standard distance for grommet

» **RUNNER INFORMATION**

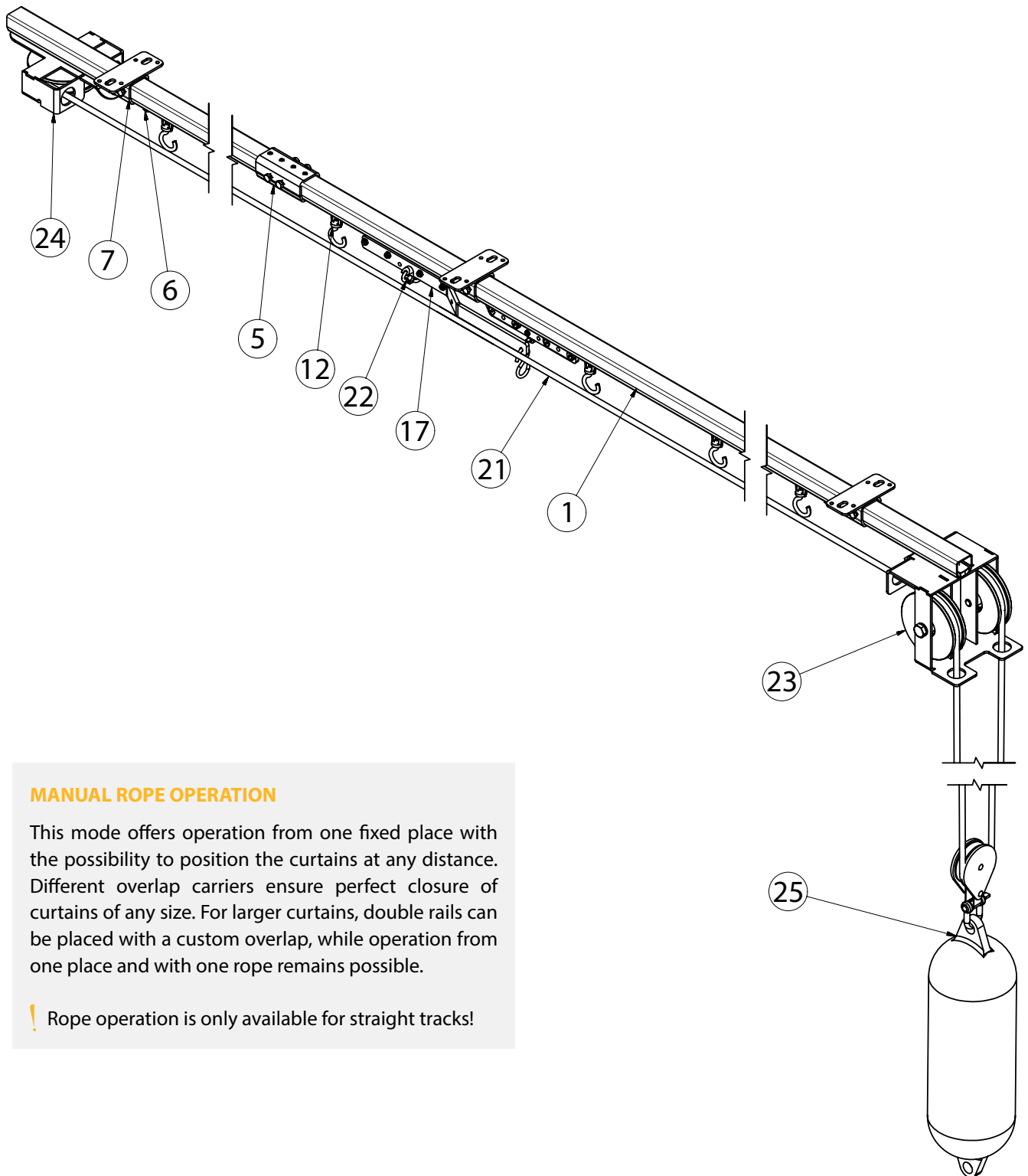
Name	Article code	SWL	MIN. RADIUS OF BENDED RAIL
Ball raced runner	8050 0205 0087	8 kg	205 mm
Master carrier	8050 0221 0167	15 kg	205 mm
Scenery carrier	8050 0230 0302	60 kg	205 mm
Master carrier with brake	8050 0221 0197	15 kg	205 mm
Short overlap carrier	8050 0245 0057	15 kg	205 mm
Long overlap carrier set	8050 0246 0167	15 kg	2000 mm
Master carrier for motor control	8050 0228 0167	15 kg	n.a.
Short overlap carrier for motor control	8050 0245 1057	15 kg	n.a.
Long overlap carrier set for motor control	8050 0246 1167	15 kg	n.a.

» **ASSEMBLIES**



WALK-ALONG OPERATION

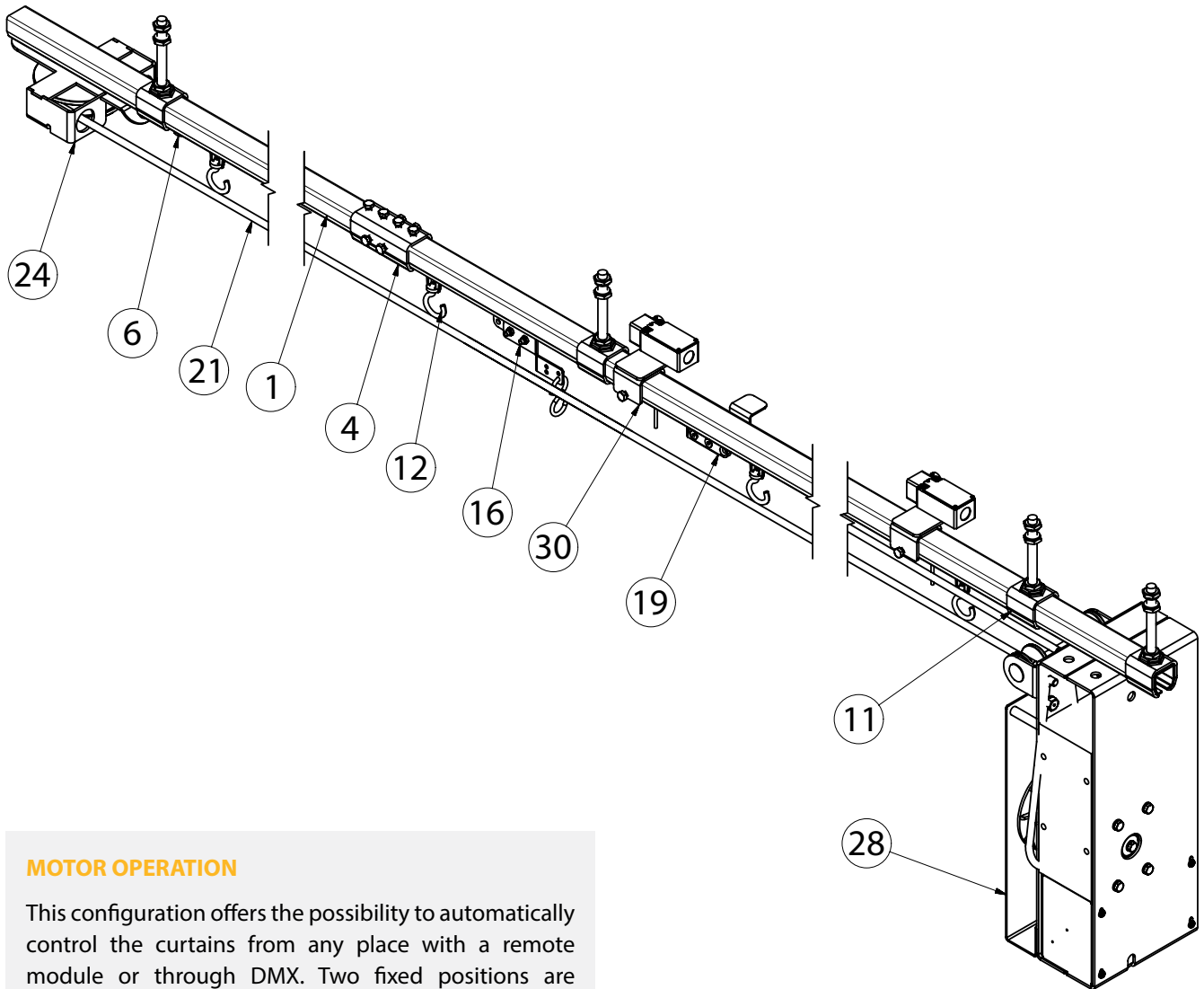
This is the most basic installation of the H100 system. The curtain is pulled along the rail to its required position. Optional braked master carriers make positioning more accurate.



MANUAL ROPE OPERATION

This mode offers operation from one fixed place with the possibility to position the curtains at any distance. Different overlap carriers ensure perfect closure of curtains of any size. For larger curtains, double rails can be placed with a custom overlap, while operation from one place and with one rope remains possible.

! Rope operation is only available for straight tracks!



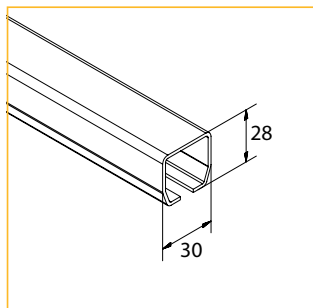
MOTOR OPERATION

This configuration offers the possibility to automatically control the curtains from any place with a remote module or through DMX. Two fixed positions are possible and, depending on the motor, variable speed control is also provided. Different overlap carriers ensure perfect closure of curtains of any size. For larger curtains, double rails can be placed with a custom overlap, while operation with one motor remains possible.

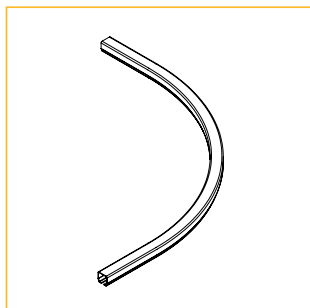
! Motor operation is only available for straight tracks!

» COMPONENTS (MM)

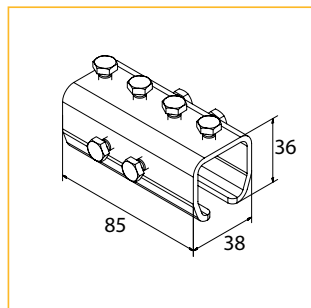
TRACK



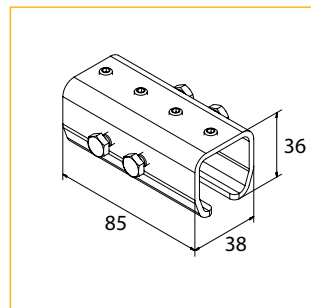
1. Track



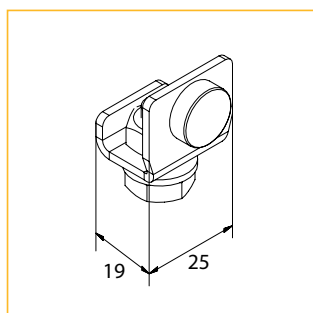
2 + 3. Curved Track



4. Coupling

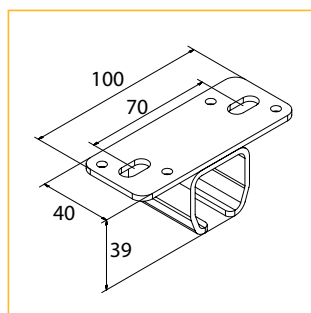


5. Coupling for use with Ceiling Brackets

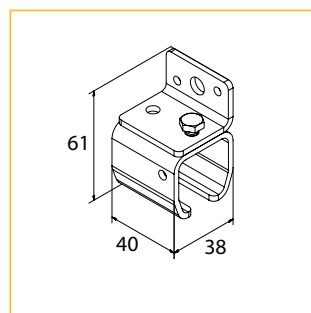


6. End Stop

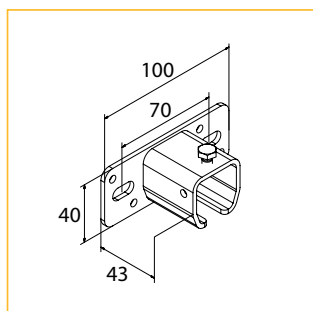
MOUNTING



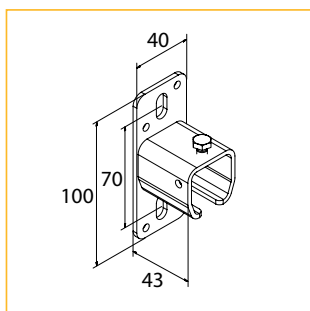
7. Ceiling Bracket



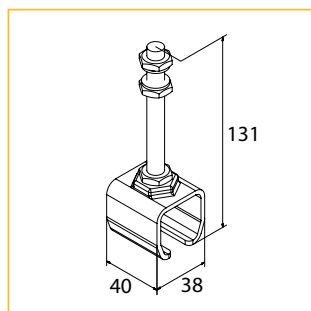
8. Wall Bracket



9. Horizontal Wall Bracket

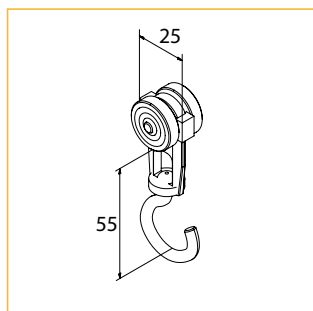


10. Vertical Wall Bracket

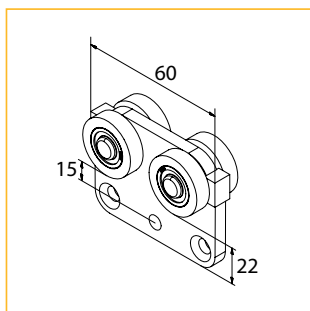


11. Bracket + M10 Studding

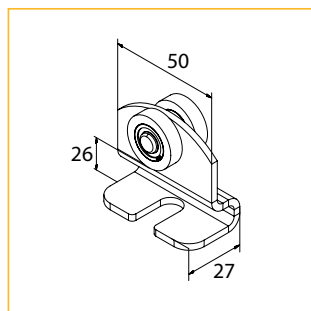
RUNNERS



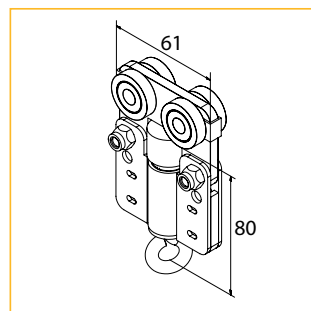
12. Ball Raced Runner



13. Ball Raced Master Carrier

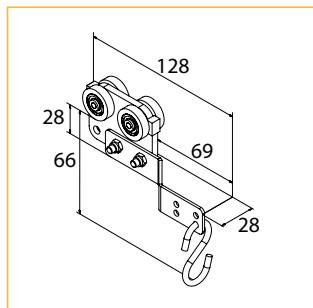


14. Scenery Carrier

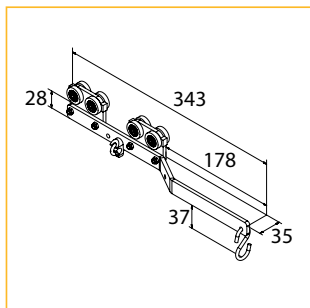


15. Master Carrier with Brake

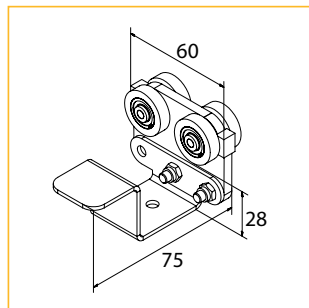
» COMPONENTS (MM)



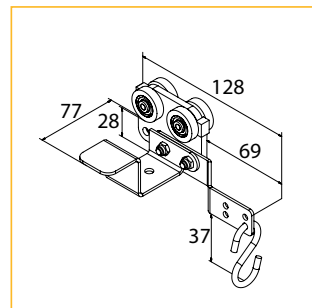
16. Short Overlap Carrier



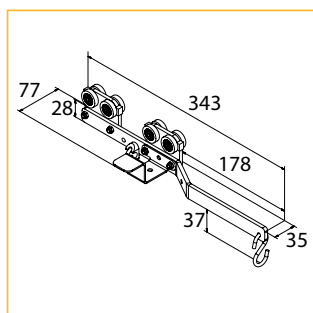
17. Overlap Carrier Set



18. Master Carrier for Motor Control

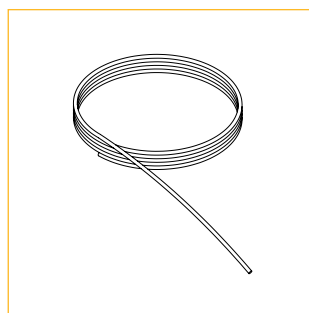


19. Short Overlap Carrier for Motor Control

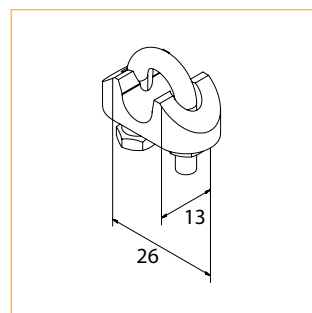


20. Long Overlap Carrier Set for Motor Control

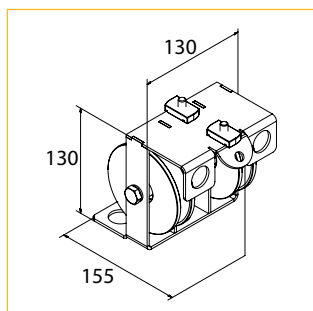
OPERATION



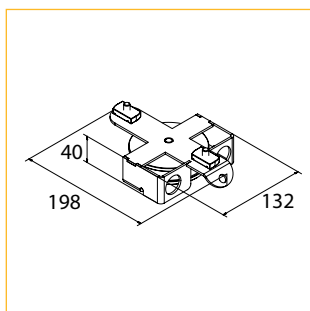
21. Double Braided Rope



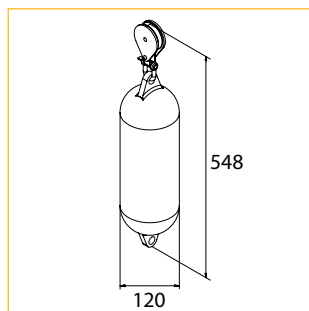
22. Rope Clamp



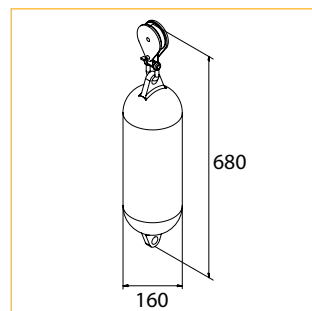
23. Head Pulley



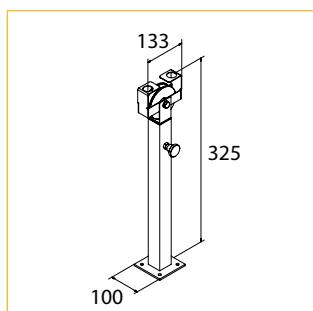
24. Return Pulley



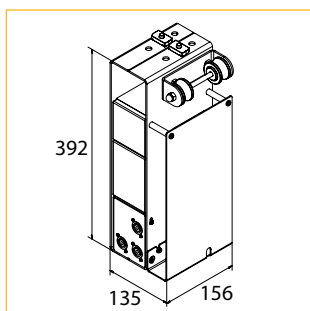
25. Weighted Return Pulley



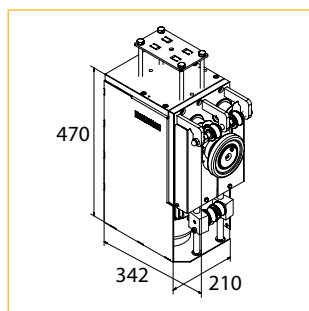
26. Weighted Return Pulley XL



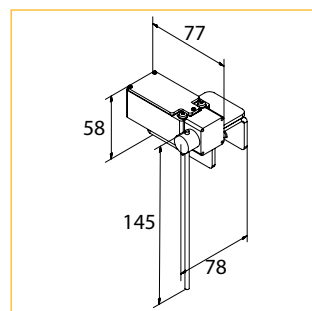
27. Floor Fixed Return Pulley



28. RTD 1000



29. RTD 3000



30. Limit Switch Set

» COMPONENTS

Name		Article code	Colour	Weight
1. Track (6m) *		8050 0001 6001 8050 0001 6007	Galvanised Black	1.34 kg/meter
	45°, R 65 cm	8050 0004 0651 8050 0004 0657	Galvanised Black	1.85 kg/piece
	45°, R 100 cm	8050 0004 1001 8050 0004 1007	Galvanised Black	2.66 kg/piece
	90°, R 20.5 cm	8050 0007 0201 8050 0007 0203 8050 0007 0207	Galvanised White Black	1.93 kg/piece
	90°, R 30 cm	8050 0007 0201 8050 0007 0203 8050 0007 0207	Galvanised Black White	1.92 kg/piece
2. Standard Curved Track *	90°, R 40 cm	8050 0007 0401 8050 0007 0407	Galvanised Black	2.61 kg/piece
	90°, R 50 cm	8050 0007 0501 8050 0007 0507	Galvanised Black	2.48 kg/piece
	90°, R 65 cm	8050 0007 0651 8050 0007 0657	Black Galvanised	2.10 kg/piece
	90°, R 100 cm	8050 0007 1001 8050 0007 1007	Galvanised Black	4.88 kg/piece
	90°, R 200 cm	8050 0007 2001 8050 0007 2007	Galvanised Black	5.10 kg/piece
	23.5 cm < R < 200 cm	805000070001	Galvanised	Varies
	23.5 cm < R < 200 cm	805000070003	White	Varies
	23.5 cm < R < 200 cm	805000070006	Black	Varies
3. Custom Curved Track *	R > 200 cm	805000070011	Galvanised	Varies
	R > 200 cm	805000070013	White	Varies
	R > 200 cm	805000070016	Black	Varies
4. Coupling *		8050 0040 0801 8050 0040 0803 8050 0040 0807	Galvanised White Black	0.24 kg/piece
5. Coupling for use with Ceiling Brackets *		8050 0040 0811 8050 0040 0817	Galvanised Black	0.24 kg/piece
6. End Stop		8050 0050 0001	Galvanised	0.03 kg/piece
7. Ceiling Bracket *		8050 0110 0001 8050 0110 0003 8050 0110 0007	Galvanised White Black	0.18 kg/piece
8. Wall Bracket *		8050 0100 0001 8050 0100 0007	Galvanised Black	0.14 kg/piece
9. Horizontal Wall Bracket *		8050 0100 0037	Black	0.14 kg/piece
10. Vertical Wall Bracket *		8050 0100 0057	Black	0.14 kg/piece
11. Bracket + M10 Studding *		8050 0130 0101 8050 0130 0103 8050 0130 0107	Galvanised White Black	0.18 kg/piece
12. Ball Raced Runner		8050 0205 0083 8050 0205 0087	White Black	0.03 kg/piece

* Custom colours on demand.

» COMPONENTS

Name	Article code	Colour	Weight
13. Ball Raced Master Carrier	8050 0221 0163 8050 0221 0167	White Black	0.05 kg/piece
14. Scenery Carrier	8050 0230 0302	Galvanised	0.11 kg/piece
15. Master Carrier with Brake	8050 0221 0197	Black	0.05 kg/piece
16. Short Overlap Carrier	8050 0245 0053 8050 0245 0057	White Black	0.09 kg/piece
17. Overlap Carrier Set	8050 0246 0167	Black	0.82 kg/piece
18. Master Carrier for Motor Control	8050 0228 0163 8050 0228 0167	White Black	0.116 kg/piece
19. Short Overlap Carrier for Motor Control	8050 0245 1057	Black	0.09 kg/piece
20. Overlap Carrier Set for Motor Control	8050 0246 0157	Black	0.82 kg/set
21. Double Braided Rope (Ø 8 mm)	7530 0308 0007	Black	0.04 kg/meter
22. Rope Clamp (set of 3)	8050 0248 0035	Galvanised	0.035 kg/piece
23. Head Pulley	8050 0400 0037	Black	1.65 kg/piece
24. Return Pulley	8050 0410 0037	Black	0.95 kg/piece
25. Weighted Return Pulley	8050 0415 0057	Black	5.50 kg/piece
26. Weighted Return Pulley XL	8050 0415 0087	Black	10.50 kg/piece
27. Floor Fixed Return Pulley	8050 0420 0007	Black	3.38 kg/piece
28. RTD1000	8050 0713 2207	Black/Aluminum	11.8 kg/piece
29. RTD3000	8050 0743 3707	Black/Aluminum	37.2 kg/piece
30. Limit Switch Set	8050 0770 0010	Black/Green	0.226 kg/set

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