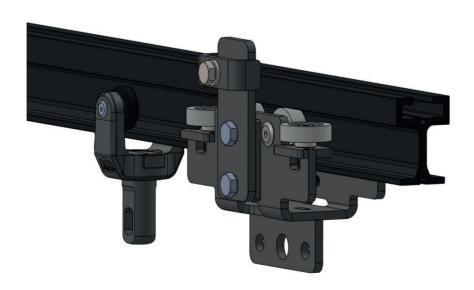


TRX SYSTEM

DATA SHEET



EDITION: 2025 - REVIEW: 06

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NOTE:

All units are in millimeters unless otherwise indicated.

INTRODUCTION

TRX is a professional modular system designed for the horizontal movement of medium-weight stage curtains. Optimized for wipe and traveler curtains, TRX offers a versatile and reliable solution for theaters, studios, trade fairs, conference hall, and other performance spaces.

KEY FEATURES

SYSTEM VERSATILITY AND CUSTOMIZATION

TRX offers exceptional versatility thanks to its unique profile and extensive range of components. The system supports both straight and curved configurations, with single or double rails, ensuring adaptability to various stage and venue requirements.

The support beam is made of extruded aluminum, providing a lightweight yet robust and compact structure. Profiles can also be curved to a minimum radius of 500 mm, allowing for greater flexibility in design. For walk-along configurations a smaller curve radius can be achieved upon request.

In addition to standard configurations, TRX can be tailored to specific applications, offering fully customized solutions to meet unique project requirements.

ASSEMBLY AND INSTALLATION

The T-channel on the upper part of the profile, combined with two round slots and specialized connectors, ensures precise and sturdy joints between track sections while maintaining perfect surface alignment.

All TRX components feature specialized swivel nuts that can be quickly and securely fastened into the track's T-channel. This design allows components to be easily repositioned along the rail using a simple hex key, significantly reducing on-site assembly time.

FIXING OPTIONS

The TRX system includes a comprehensive selection of suspension accessories, ensuring compatibility with the most common installation conditions:

- Flying bar systems Hook clamp or pipe collar
- Girders Girder clamp
- Wall mounting Wall bracket
- Ceiling mounting Studding bar
- Rope/wire suspension Lifting eyebolt

These accessories provide flexible and secure mounting solutions, making installation fast and straightforward in various settings.

MANUAL AND MOTORIZED OPERATION

The TRX system offers multiple operating modes, allowing for manual or motorized control:

- Walk-along system The curtain is moved manually by pulling one edge.
- Corded manual system A hauling line is operated manually using an adjustable floor pulley or a hand winch.
- Corded motorized system The hauling line is driven by an electric motor for automated operation.

These options provide flexibility to suit different stage and venue requirements, ensuring smooth and efficient curtain movement.

MATERIAL FINISH

All main components feature a matt black finish to minimize light reflection on stage. The aluminum profile is black anodized, while all steel parts are protected with a black powder-coated finish. Custom finishes are available upon request.

TRACK LOAD CAPACITY

	<u>↓</u> F _ Δ	↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓↓	
Span [cm]	Centre Point Load [kg]	Total Load [kg]	Load per meter [kg/m]
100	64	70	70
150	39	53	35
200	15	25	13

The table provides the maximum allowable loads applicable to the track alone, based on a safety factor of 5.

The listed values are calculated under the assumption that the track is simply supported at its end connections. However, these represent idealized loading conditions and should be considered indicative.

The track, carriers, and all suspension components are load-bearing elements of the system. The load capacity of each individual component must be evaluated, as the overall load capacity of the system is determined by its weakest element.

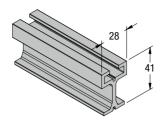
Additionally, the suitability and load-bearing capacity of the supporting structures—such as walls, ceilings, bars, or trusses—must be carefully assessed.

COMPONENTS LOAD CAPACITY

Art.	Description	WLL Working Load Limit [kg]
1T09	Master Carrier - walkalong straight track	20
1T10	Master Carrier - walkalong curved track	30
1T11	Master Carrier - side cord operation	30
1T12	Master Carrier - top cord operation	30
1T13	2-Wheel Runner	10
1T30	Side Cord Suspension Bracket	65
1T31	Top Cord Suspension Bracket	65
1T34	Hook Clamp	40
1T35	Hook Clamp with Channel Nut	40
1T36	Pipe Collar	85

COMPONENTS AND ACCESSORIES

TRACKS



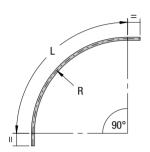
1T01 · STRAIGHT TRACK

INFO

WEIGHT	943 g/m
MAX BAR LENGHT	600 cm
MAX SPAN	200 cm
MIN CURVE RADIUS	50 cm

FEATURES

- · Extruded aluminium profile, black anodised
- · 'T' channel in the top to fix the components
- · Two aligning slots to ensue a perfect joint
- · Available in full length bars or custom cuts



1T01C · CURVED TRACK

INFO	
1T01C-050	90° Curve
1T01C-075	90° Curve
1T01C-100	90° Curve
1T01C-X	Custom

R	L	WEIGHT		
50 cm	78,5 cm	1,1 kg		
75 cm	118 cm	1,5 kg		
100 cm	157 cm	1,9 kg		
Custom radius and angle				

FEATURES

- · Curved extruded aluminium profile
- · 20 cm straight terminal sections
- · Available in custom size



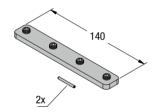
1T01C-S · CURVED OVERLAPPNG TRACK

INF0

TOTAL LENGTH 200 cm OVERLAP LENGHT 100 cm WEIGHT 1,9 kg

FEATURES

- Special profile with opposing bends to create a central offset for overlap in traveler curtain systems.
- Used in pairs, together with the 1T04 Overlap Bracket, which ensures proper spacing and structural rigidity



1T02 · JOINT SET

INFO

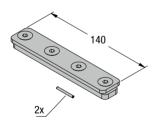
COLOUR – Zinc plated WEIGHT – 135 g

FEATURES

- · steel plate with four M8 socket screw
- · 2 aligning pins included

FUNCTION

Connect and align two adjacent sections of track together



1T02T · JOINT SET

INFO

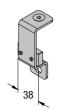
COLOUR – Matt black/zinc plated WEIGHT – 285 g

FEATURES

- 2 plates included with four M8 countersunk head cap screw
- · 2 aligning pins included

FUNCTION

 Used to connect and align two track sections, ideal for touring applications with frequent disassembly



1T03 · END STOP

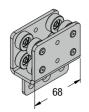
INF0

COLOUR – Matt black WEIGHT – 120 g

FEATURES

- Rubber damper block for impact noise reduction
- · Channel Nut included

- · Stop the carriers at the ends of the track
- Anchor point to secure the offstage end of the curtain



1T09 · MASTER CARRIER

INFO

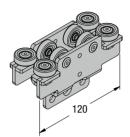
COLOUR – Matt black WEIGHT – 330 g WLL – 20 kg

FEATURES

- · steel body
- · 8 ball bearing plastic wheels

FUNCTION

Leading carrier for straight walk-along curtain (system without cord operation)



1T10 · MASTER CARRIER

INFO

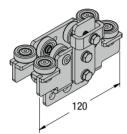
COLOUR – Matt black WEIGHT – 478 g WLL – 30 kg

FEATURES

- · steel body
- \cdot 8 ball bearing plastic wheels

FUNCTION

 Leading carrier for curved walk-along curtain (system without cord operation)



1T11 · MASTER CARRIER

INF0

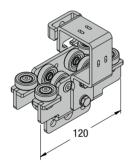
COLOUR – Matt black WEIGHT – 625 g WLL – 30 kg

FEATURES

- · steel body
- · 8 ball bearing plastic wheels
- · side arm with rope clamps

FUNCTION

Leading carrier for side cord operation



1T12 · MASTER CARRIER

INF0

COLOUR – Matt black WEIGHT – 700 g WLL – 30 kg

FEATURES

- · steel body
- · 8 ball bearing plastic wheels
- · C-shaped arm with rope clamp

FUNCTION

· Leading carrier for top cord operation



1T13 · 2-WHEEL RUNNER

INF0

COLOUR – Matt black WEIGHT – 33 g WLL – 10 kg

FEATURES

- · 2 ball bearing plastic wheels
- · rubber damper blocks
- · swivel attachment for curtain

FUNCTION

· Sliding carrier



1T14 · OVERLAP ARMS KIT

INF0

COLOUR – Matt black WEIGHT – 470 g WLL – 5 kg

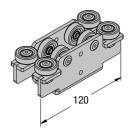
FEATURES

- · steel body
- · overlap arms (2 pcs)
- · screws, washers and nuts included

FUNCTION

Designed for side mounting on master carriers to achieve approximately 50 cm curtain overlap in a single-track configuration

CARRIERS FOR SCENERY



1T18 · MASTER CARRIER FOR SCENERY

INF0

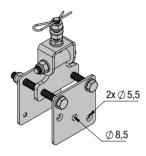
COLOUR – Matt black WEIGHT – 462 g WLL - 30 kg

FEATURES

- steel body8 ball bearing plastic wheels

FUNCTION

- · Scenery carrier for medium loads · For use with 1T19



1T19 · SCENERY ATTACHMENT CLAMP

INF0

COLOUR – Matt black WEIGHT – 536 g WLL – 30 kg

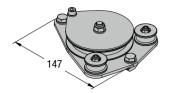
FEATURES

- solid steel body standard clampable thickness 7-50 mm (other thicknesses on request)
- swivel pin (lockable if needed)
 hinge for ground assembly of scenery
- · safety spring cotter pin

FUNCTION

Adjustable clamp for carrying of scenery like panels or frames

PULLEYS AND GUIDES



1T20 · RETURN PULLEY

INFO

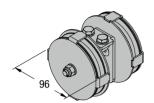
COLOUR – Matt black WEIGHT – 685 g

FEATURES

- · steel body
- · diverting pulley with ball bearing
- · 2 guiding rollers with ball bearings
- · U-groove sheave for 8 mm rope
- · 2 channel nuts included

FUNCTION

 Designed to divert the operating line back to 1T21 head pulley



1T21 · HEAD PULLEY

INFO

COLOUR – Matt black WEIGHT – 705 g

FEATURES

- · steel body
- · 2 diverting sheaves with ball bearings
- · U-groove sheave for 8 mm rope
- · 2 channel nuts included

FUNCTION

Designed to divert 90° downward the operating lines



1T22 · CURVE CORD GUIDE

INFO

COLOUR – Matt black WEIGHT – 155 g

FEATURES

- · steel body
- · 3 guiding pulleys with ball bearings
- · U-groove sheave for 8 mm rope
- channel nut included

FUNCTION

 Designed for curved track and for double track configuration (offset overlap) to guide and support the operating line along the track



1T23 · HEAD PULLEY ALIGNER

INFO

COLOUR – Matt black WEIGHT – 247 g

1T24 · LINE GUIDE

COLOUR - Matt black

WEIGHT - 65 g

FEATURES

- $\cdot \text{ steel body}$
- · 4 guiding pulley with ball bearings
- · U-groove sheave for 8 mm rope
- · channel nut included

FUNCTION

 Designed to maintain alignment of the operating/returning cords with 1T21 head pulley





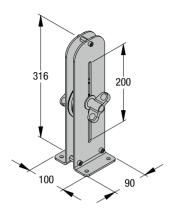
FEATURES

- · steel body
- · for 8 mm rope
- low friction plastic guide
- · channel nut included

FUNCTION

 Designed for side cord operation on a straight single track, ensuring proper guidance and preventing sagging of the returning rope.

FLOOR PULLEYS



snap hook 6x60

1Z01 · ADJUSTABLE FLOOR PULLEY

1Z02 · WEIGHT FLOOR PULLEY

INFO

COLOUR - Matt black WEIGHT - 2,1 kg EXCURSION - 200 mm

FEATURES

- steel body
- · U-groove sheave for 8 mm rope
- 2 wing knobs for quick adjustments
- Ø8.5 mm holes to fix the pulley (ground fixing fasteners not included)

FUNCTION

- Designed to manually operate the hauling line of corded systems
- It allows for adjusting the tension of the rope



INFO

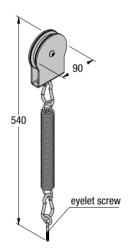
COLOUR - Matt black WEIGHT - 620 g WLL - 40 kg

FEATURES

- · steel body
- diverting pulley with ball bearing
- · U-groove sheave for 8 mm rope
- · 6 x 60 mm snap hook included

FUNCTION

- Single wheeled pulley equipped with a snap hook for attaching a ballast (not included), usually a 5 or 10 kg sandbag.
- It is generally used where it is not possible to fix a permanent pulley to the floor.



1Z03 · SPRING LOADED FLOOR PULLEY

INFO

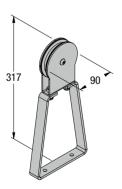
COLOUR - Matt black WEIGHT - 965 q

FEATURES

- steel body
- diverting pulley with ball bearing
- U-groove sheave for 8 mm rope
- Supplied as standard with eyelet screw for wooden floor fixing.

FUNCTION

- Fixed floor pulley equipped with traction spring to maintain a costant tension on manual hauling
- On request, it can be equipped with a different type of fixing screw.



1Z04 · FLOOR PULLEY WITH FOOT STIRRUP

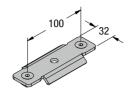
INF0

COLOUR - Matt black WEIGHT - 1.179 g

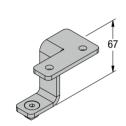
FEATURES

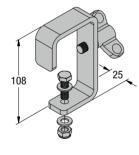
- steel body
- diverting pulley with ball bearing
- U-groove sheave for 8 mm rope
- Ø8,5 mm holes to fix the pulley (ground fixing fasteners not included)

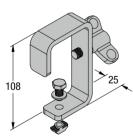
- Suspended pulley at floor level, with a stirrup tensionable by foot pressure.
- Provided with two holes for floor fixing if needed.



50 45









1T04 · OVERLAP BRACKET

INFO

COLOUR – Matt black WEIGHT – 190 g WLL – 65 kg

FEATURES

- · Overlap steel plate
- · 2 Channel Nut included

FUNCTION

- · Join and ensure parallel alignment between two track sections.
- Always used in pairs

1T04 · OVERLAP BRACKET

INF0

COLOUR – Matt black WEIGHT – 125 g WLL – 45 kg

FEATURES

- · 50 mm offset distance
- · 2 Channel Nut included

FUNCTION

 Used to suspend an overlap track from a single pipe, ensuring central alignment beneath it. Compatible with 1A60 hook clamps or threaded bars.

1T30 · SUSPENSION BRACKET

INFO

COLOUR – Matt black WEIGHT – 115 g WLL – 65 kg

FEATURES

- · steel body
- · channel nut included

FUNCTION

- Allows direct attachment of straight track sections to the ceiling or other suspension accessories.

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 The interest of the ceiling or other suspensions accessories.

 The interest of the ceiling or other suspensions accessories.
- · For side cord configuration.

1T31 · SUSPENSION BRACKET

INF0

COLOUR – Matt black WEIGHT – 210 g WLL – 65 kg

FEATURES

- · steel body
- · channel nut included

FUNCTION

- Allows direct attachment of track sections to the ceiling or other suspension accessories.
- · For top cord configuration.

1T34 · HOOK CLAMP

INFO

COLOUR – Matt black WEIGHT – 310 g WLL – 40 kg

FEATURES

- $\cdot \text{ steel body}$
- · fastener set for suspension bracket included

FUNCTION

- $\cdot\,$ Clamp for 50mm tube or truss
- In combination with different part 1T04, 1T05, 1T30, 1T31

1T35 · HOOK CLAMP WITH CHANNEL NUT

INFO

COLOUR – Matt black WEIGHT – 316 g WLL – 40 kg

FEATURES

- $\cdot \text{ steel body}$
- \cdot screw, washer and channel nut included

FUNCTION

 Clamp for 50mm tube or truss complete with channel nut for direct track fixing

1T36 · PIPE COLLAR

INFO

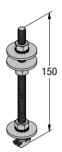
COLOUR – Zinc plated WEIGHT – 126 g WLL – 95 kg

FEATURES

- · For 50mm ø tube/truss
- · M8 threaded rod with Channel Nut and Pipe collar

ELINICTION

- Low-clearance alternative to 1T35 for attaching track sections directly to a tube or truss.
- Suitable only for side cord operation and single track walk-along systems.



1T37 · STUDDING BAR

INFO

COLOUR – Zinc plated LENGTH – 150 mm WEIGHT – 106 g

WLL - 95 kg

FEATURES

- · M8x150 threaded rod c/w channel nut, washers and nuts
- Other lengths available on request

FUNCTION

· For direct track fixing



1T38-A · EYENUT

INFO

COLOUR – Zinc plated WEIGHT – 66 g WLL – 95 kg

FEATURES

· M8 Eye Nut

LINCTION

- Designed for lifting and suspending track sections using cordage, wire rope or chains
- · For use with 1T30 or 1T31



1T38-B · EYENUT WITH CHANNEL NUT

INF0

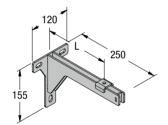
COLOUR – Zinc plated WEIGHT – 70 g WLL – 95 kg

FEATURES

· M8 Eye Nut

FUNCTION

- Designed for lifting and suspending track sections using cordage, wire rope or chains
- · For direct tracl fixing



1Z10 · WALL BRACKET 250 mm

INF0

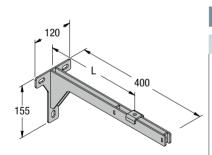
COLOUR – Matt black LENGHT – 250 mm WEIGHT – 950 g WLL – 50 kg

FEATURES

- \cdot steel body
- · screw, washer and channel nut included
- · adjustable distance

FUNCTION

 Clamp for 50mm tube or truss complete with channel nut for direct track fixing



1Z10 · WALL BRACKET 400 mm

INFO

COLOUR – Matt black LENGHT – 400 mm WEIGHT – 1.250 g WLL – 30 kg

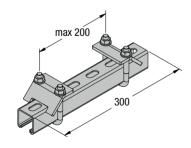
FEATURES

- · steel body
- screw, washer and channel nut included
- adjustable distance

FUNCTION

Clamp for 50mm tube or truss complete with channel nut for direct track fixing





INFO

COLOUR – Matt black LENGHT – 300 mm WEIGHT – 1.340 g WLL – 500 kg vertical

FEATURES

- · 41x41x300 mm steel slotted bar, powder coated in black
- · steel clamps, powder coated in black
- · U-bolts with M10 nuts and washers

- Designed for suspending the track from metal I-beams, this system is adjustable to accommodate various beam sizes, with a maximum width of up to 200mm (other sizes available upon request)
- · Used in combination with studding

SPARE PARTS



1TXR · CHANNEL NUT

INF0

COLOUR – Zinc plated WEIGHT – 6 g

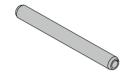
FEATURES

- · 90° rotating nut · M8 threaded hole

FUNCTION

· Used to fix all components into the T-channels of the track

1ZJP · JOINT PINS



INF0

COLOUR - Black oxide finish WEIGHT - 12 g

FEATURES

· Bag of 20 units

FUNCTION

· Spare pins for track joints



3E8 · POLYESTER ROPE

INFO

COLOUR – Matt black WEIGHT – 50 g/m REEL LENGHT – 200 m

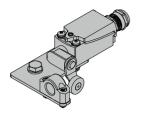
FEATURES

- · 8 mm diameter
- · 100% high tenacity polyester fiber
- · available in cut lenghts or in reel

FUNCTION

· Operating rope for manual or motorised system

LIMIT SWITCHES



1T50 · LIMIT SWITCH WITH LINE DIVERTER

INFO

COLOUR – Matt black

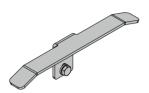
WEIGHT - 280 g (cable excluded)

FEATURES

- · Track mounting plate
- · Limit switch c/w cable and connector
- · Pre-wired in factory

FUNCTION

- · For side cord operation
- In combination with 1T11 and 1T15



1T15 · LIMIT SWITCH ARM

INFO

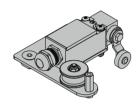
COLOUR – Matt black WEIGHT – 112 g

FEATURES

· Screws, washers included

FUNCTION

- Limit switch arm for side cord motorized system
- · For use with 1T11 and 1T50



1T52 · LIMIT SWITCH WITH PULLEY

INF0

COLOUR - Matt black

WEIGHT - 350 g (cable excluded)

FEATURES

- · Track mounting plate with guiding pulley
- · Limit switch c/w cable and connector
- · Pre-wired in factory

FUNCTION

- · For top cord operation
- In combination with 1T12 and 1T16



1T53 · LIMIT SWITCH

INFO

COLOUR - Matt black

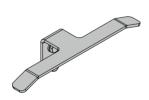
WEIGHT - 265 g (cable excluded)

FEATURES

- · Track mounting plate
- · Limit switch c/w cable and connector
- · Pre-wired in factory

FUNCTION

- · For top cord operation
- In combination with 1T12 and 1T16



1T16 · LIMIT SWITCH ARM

INFO

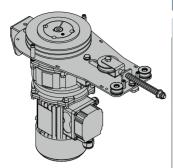
COLOUR - Matt black

WEIGHT - 127 g

FEATURES

· Screws, washers included

- Limit switch arm for top cord motorized system
- For use with 1T12, 1T52, 1T53



2DR2 · MOTOR UNIT

INFO

COLOUR - Matt black WEIGHT - 13,5 kg

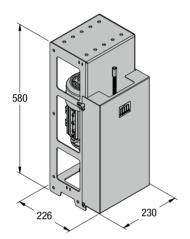
DIMENSIONS (W x H x D) - 385 x 180 x 337 mm

POWER - 0,18 kW TORQUE - 20 Nm VOLTAGE – 3 x 230/400 VAC FREQUENCY - 50 Hz MAX SPEED - 0.60 m/s

MAX CURTAIN WEIGHT – 125 kg (straight layout), 100 kg (curved layout)

FEATURES

- Connector for extension cable
- Pre-wired for 2 limit switches with XLR connectors



2DR1 · MOTOR UNIT

INFO

COLOUR - Matt black WEIGHT - 17,5 kg

DIMENSIONS (W x H x D) - 226 x 230 x 580 mm

POWER - 0,37 kW TORQUE - 22 Nm VOLTAGE – 3 x 230/400 VAC FREQUENCY - 50 Hz MAX SPEED - 1.0 m/s

MAX CURTAIN WEIGHT - 300 kg straight layout / 200 kg curved layout

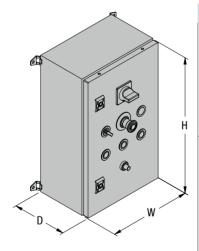
FEATURES

- Connector for extension cable
- Pre-wired for 2 limit switches with XLR connectors
- · Wall mounting brackets

OPTIONS

Automatic release device for manual operation

2QE · CONTROL UNIT



MODEL **INFO**

M230V0-S DIMENSIONS (W x H x D) - 300 x 500 x 215 mm Standard Unit WEIGHT - 13,0 kg VOLTAGE - 1 x 230 VAC

FREQUENCY - 50 Hz WALL BRACKETS INCLUDED

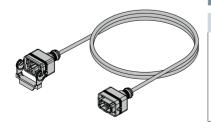
M230V0-D DIMENSIONS (W x H x D) - 300 x 500 x 215 mm WEIGHT – 13,0 kg DMX Unit

VOLTAGE - 1 x 230 VAC FREQUENCY - 50 Hz WALL BRACKETS INCLUDED

FEATURES

- · open/stop/close
- speed adjustment
- emergency stop button
- local/remote selector
- · motor reverse switch
- · remote pendant ready
- · radio control ready
- open/stop/close
- speed adjustment
- emergency stop button
- DMX interface
- · local/remote/DMX selector
- · motor reverse switch remote pendant ready
- radio control ready

2QEM · EXTENSION CABLE



INFO

COLOUR - Grey WEIGHT – 2,15 kg

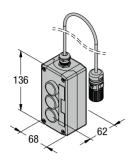
FEATURES

- · metal connectors
- · 15 m standard cable length
- · custom length available on request

FUNCTION

Power and control cable to connect the motor unit with the control cabinet

REMOTE CONTROLLER



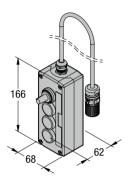
2QER-01 · REMOTE PENDANT

INFO

DIMENSIONS (W x H x D) -68 x 136 x 62 mm WEIGHT -1 kg

FEATURES

- · open/stop/close
- · pre-wired in factory with connector
- · 15 m standard cable length
- · custom length available on request



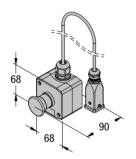
2QER-02 · REMOTE PENDANT WITH SPEED ADJUSTMENT

INF0

DIMENSIONS (W x H x D) -68 x 166 x 62 mm WEIGHT -1,65 kg

FEATURES

- · open/stop/close
- · potentiometer for speed adjustment
- · pre-wired in factory with connector
- · 15 m standard cable length
- · custom length available on request



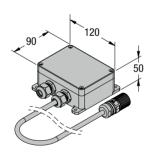
2QER-ESB · REMOTE EMERGENCY STOP BOTTON

INF0

DIMENSIONS (W x H x D) -68 x 68 x 90 mm WEIGHT -1,30 kg

FEATURES

- \cdot remote emergency stop botton for DMX
- · 25 m standard cable length
- · custom length available on request



2RCR · RADIO CONTROL RECEIVER

INFO

DIMENSIONS (W x H x D) - 120 x 90 x 50 mm WEIGHT - 610 g

FEATURES

- · voltage 12/24 VDC
- · frequency 2,4 GHz, 16 Channels
- · IP66
- · pre-wired in factory with connector for 2QE
- · 2 m standard cable length



2RCT · RADIO CONTROL TRANSMITTER

INF0

DIMENSIONS (W x H x D) -65 x 112 x 35 mm WEIGHT -130 g

FEATURES

- · frequency 2,4 GHz, 16 Channels
- · IP65
- · open/stop/close buttons
- · ON/OFF switch
- · battery: 2 x 1,5V AAA / LR03



For more technical support, please contact our corporate office.

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