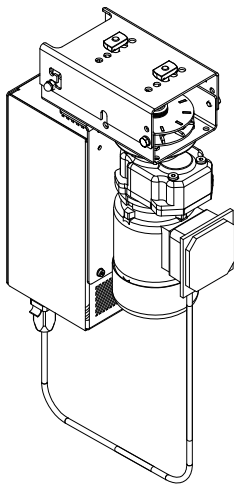


## ROPE TRACK DRIVE 1500

### TECHNICAL DATA SHEET

May 2023

The Rope Track Drive (RTD) systems facilitate motion of stage curtains or set pieces on a stage track by means of electric motors.



#### » SPECIFICATIONS

- Built up in 3 major parts: Rope transmission, Motor and Control Unit
- All connections are made with plugs which makes it easy for touring and installation.
- The control unit can be hung on the back or on the side of the motor or can be independent suspended.
- A choice of 3 motors with different speed and torque makes it flexible towards needs and demands in projects.
- Works with H100, ShowPipe and ShowTrack rail systems
- Equipped with an easy to use remote control with open, close & speed switch.
- Open, close and speed can be controlled by DMX.

#### » INSTALLATION SPECIFICATIONS

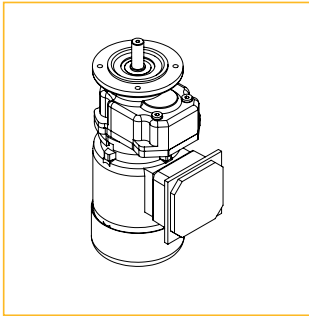
- Power Supply : 1 x 230 VAC + N • 50Hz • 6A
- Power Connection : PowerCON 20A / Schuco
- Power Distribution : Provide a separate differential switch of 30mA (Type B)  
compliant with EN 50178/VDE 0160 for the motor  
(Motor is driven by Frequency drive, the RFI filters produce a [leakage current](#))

#### » OPERATIONAL SPECIFICATIONS

- Speed : Variable Speed
- Remote Control : Open - Close - Speed
- DMX : 3 Channels : Open - Close - Speed

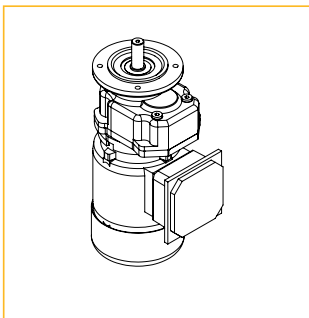
» **ELECTRONICAL AND MECHANICAL PROPERTIES**

» RTD 1500 • 101 rpm



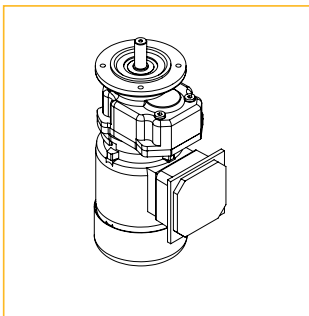
- Motor torque : 12 Nm
- Motor speed : 101 rpm
- Maximum rope force : 300 N
- Rope speed : 0 to 42 cm/sec
- Motor Power : 120 W
- Power in : 3 x 230 VAC 2.2 A
- Power connection : 20 A- PowerCON
- Duty Cycle : S1 - Continuous Duty

» RTD 1500 • 48 rpm



- Motor torque : 24 Nm
- Motor speed : 48 rpm
- Maximum rope force : 600 N
- Rope speed : 0 to 20 cm/sec
- Motor Power : 120 W
- Power in : 3 x 230 VAC 2.2 A
- Power connection : 20 A- PowerCON
- Duty Cycle : S1 - Continuous Duty

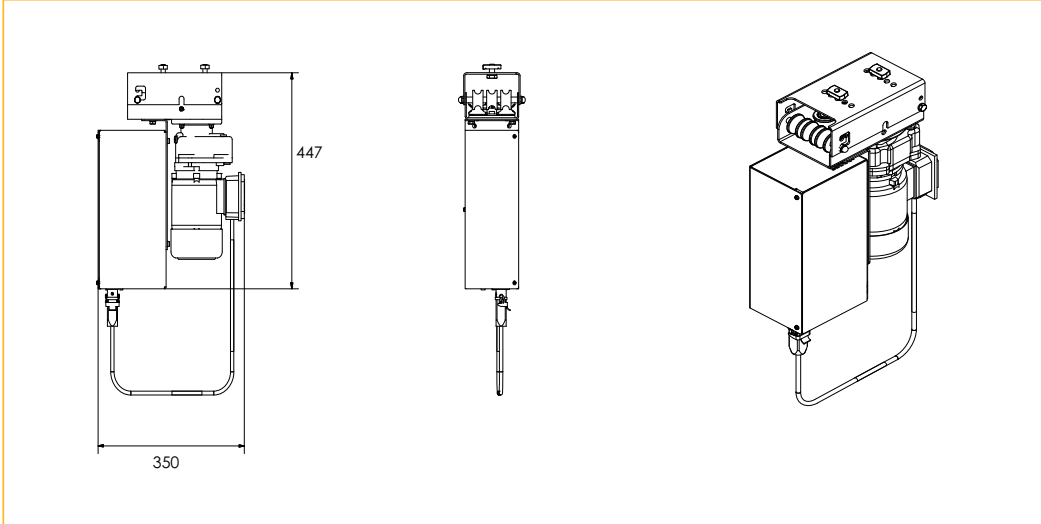
» RTD 1500 • 22 rpm



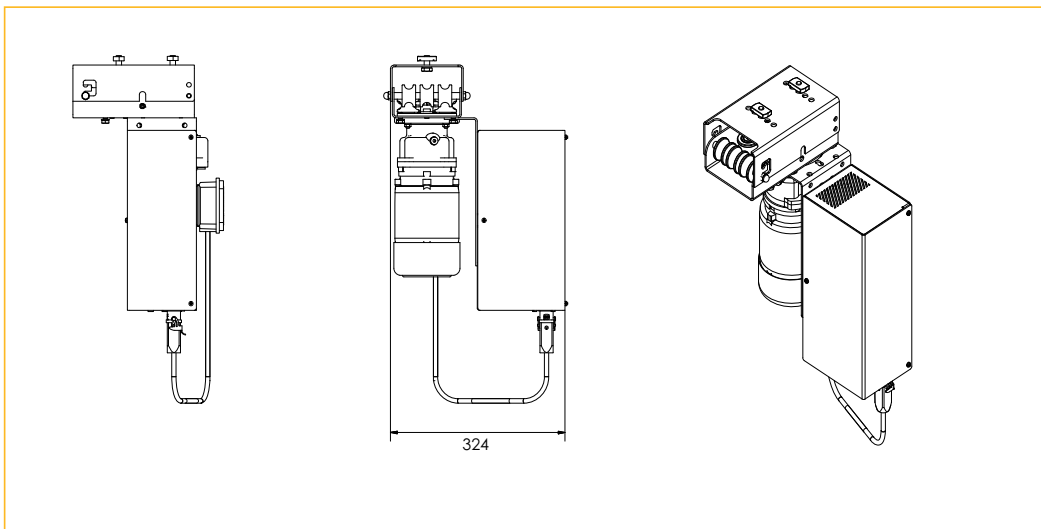
- Motor torque : 54 Nm
- Motor speed : 22 rpm
- Maximum rope force : 1350 N
- Rope speed : 0 to 9 cm/sec
- Motor Power : 120 W
- Power in : 3 x 230 VAC 2.2 A
- Power connection : 20 A- PowerCON
- Duty Cycle : S1 - Continuous Duty

» SETTINGS

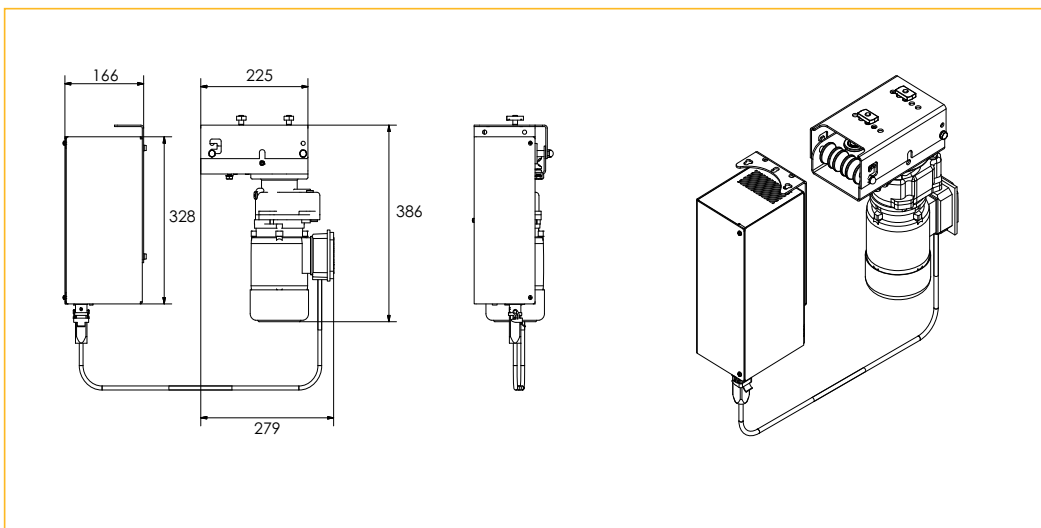
CONTROL UNIT AT THE BACK



CONTROL UNIT ON THE SIDE

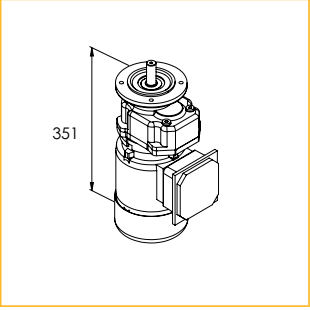


CONTROL UNIT INDEPENDENT



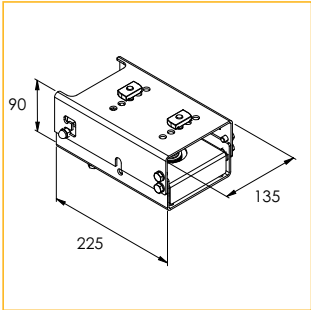
» COMPONENTS (MM)

MOTOR



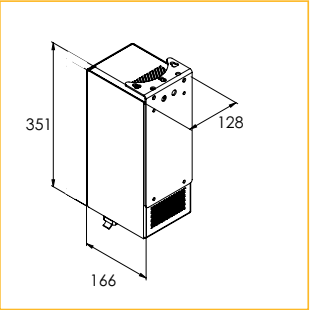
1. Motor

TRANSMISSION

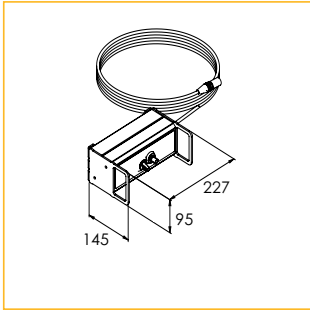


2. Rope Transmission

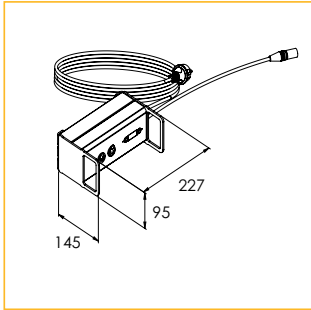
CONTROLLERS



3. Control Unit TD1500

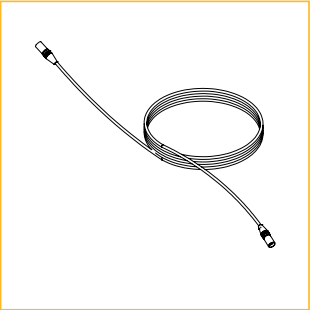


4. RTD 1500 Remote Unit

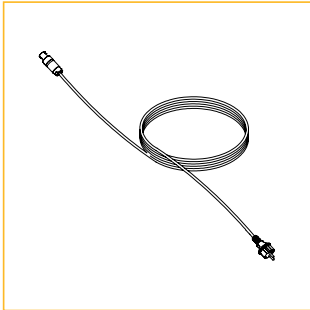


5. RTD 1500 DMX Basic Module

CABLES

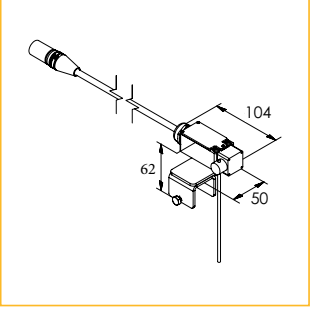


6. Extension Cable

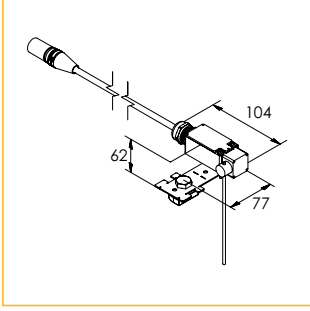


7. Power Cable

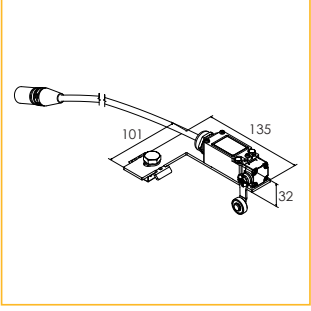
LIMIT SWITCHES



8. Limit Switch Set (Rail H100)



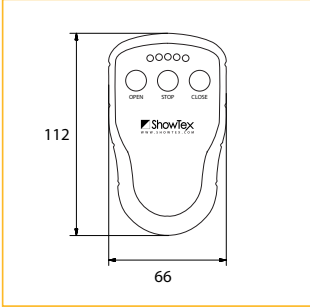
9. Limit Switch Set (ShowPipe)



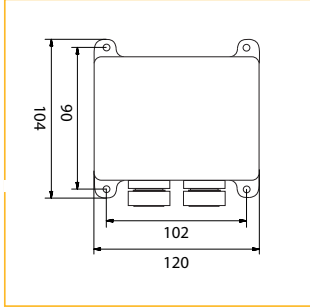
10. Limit Switch Set (ShowTrack & OrientTrack)

» COMPONENTS (MM)

REMOTE



11. RF Remote

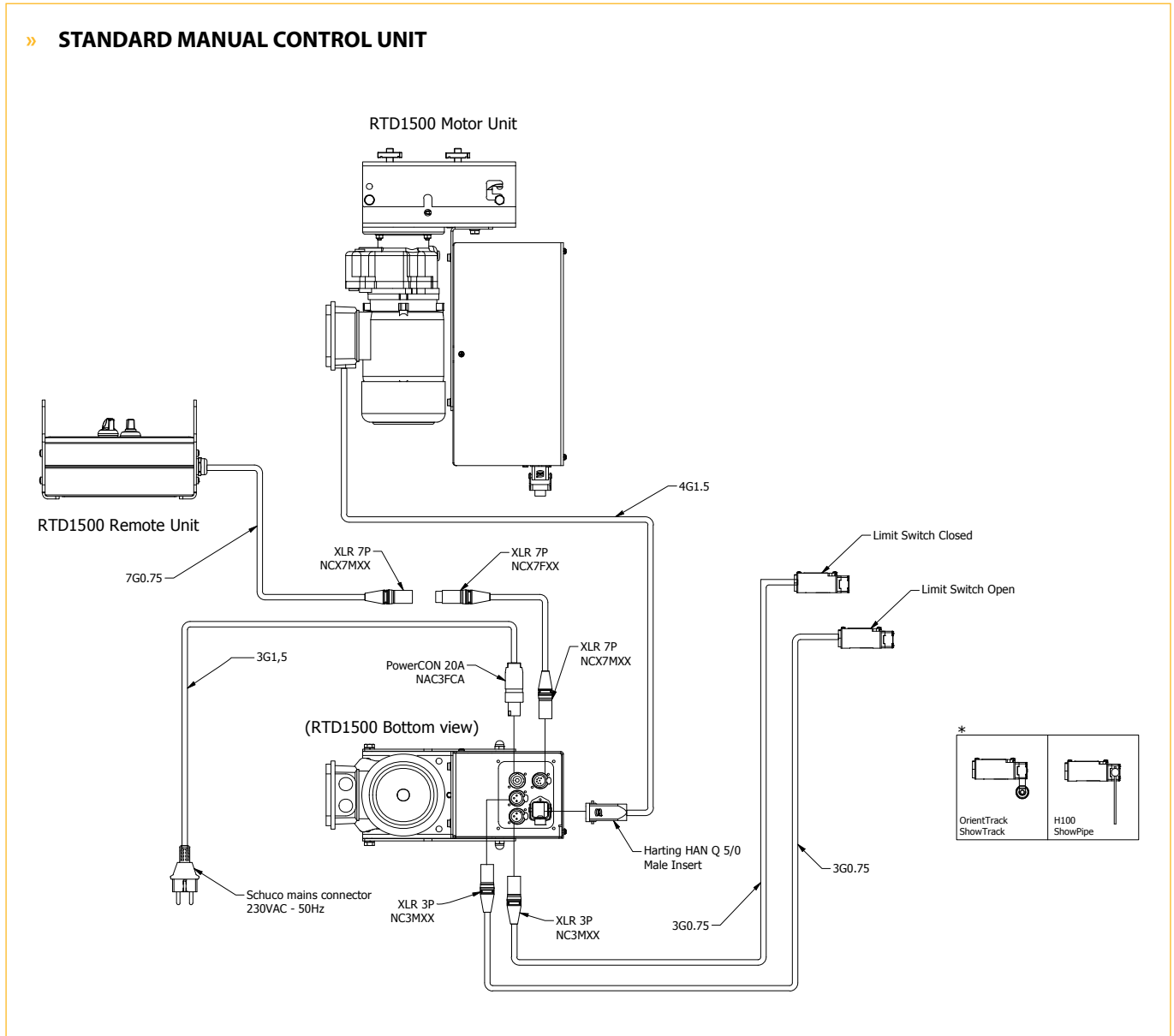


12. RF Remote

<b>NAME</b>	<b>ART.NR.</b>	<b>WEIGHT</b>	<b>INFORMATION</b>
01. RTD 1500 Motor	8050 0713 2257	9.19 kg	120 W • 3 x 230 VAC • 2.2 A • With cable rope transmission
02. Rope Transmission	8050 0400 0017	3.84 kg	
03. Control Unit TD1500	8050 0751 1507	6.46 kg	
04. RTD 1500 Remote Unit	8050 0766 0040	5.40 kg	
05. RTD 1500 DMX Basic Module	8050 0766 0300	1.92 kg	Optional • With 2m control cable
06. Extension Cable	8140 7202 2500	2.60 kg	Lenght : 25m
07. Power Cable	8150 0912 0027	0.43 kg	Lenght : 2m
08. Limit Switch Set (H100)	8050 0770 0020	0.23 kg	For Rail H100
09. Limit Switch Set (ShowPipe)	8050 0770 0010	0.23 kg	For ShowPipe
10. Limit Switch Set (ShowTrack & OrientTrack)	8050 0770 0013	0.23 kg	For ShowTrack & OrientTrack
11. RF Remote	8050 0950 0200	0.14 kg	Optional • 2.4 GHz radio • Range: up to 700m (open space)
12. RF Receiver	8050 0950 0300	0.32 kg	Optional • 5 Channels

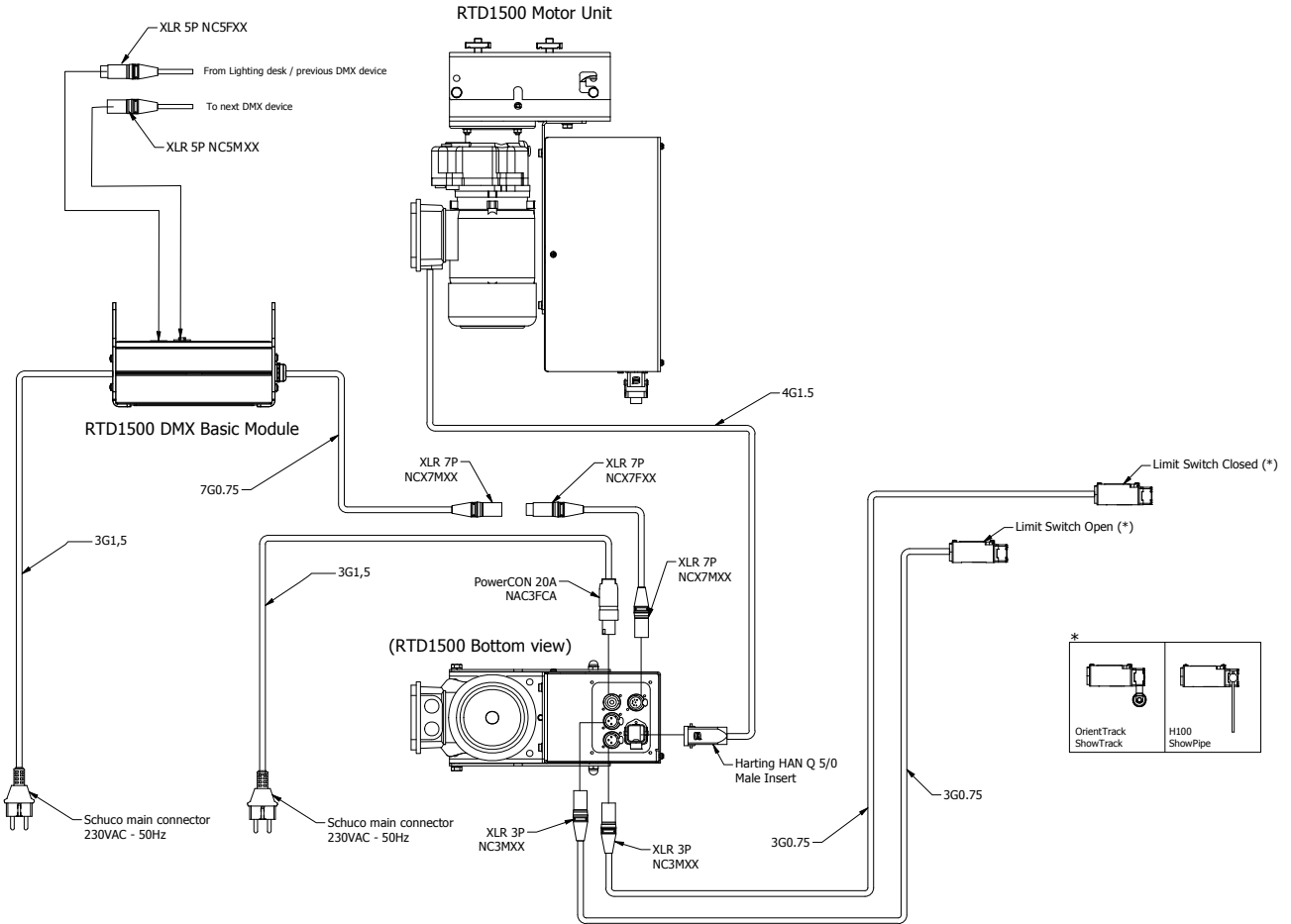
» ELECTRICAL WIRING & CONNECTORS

» STANDARD MANUAL CONTROL UNIT



» ELECTRICAL WIRING & CONNECTORS

» DMX BASIC CONTROL UNIT





**HAVE A GREAT SHOW!**  
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