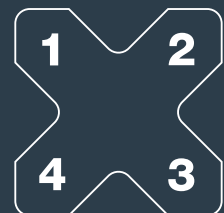


# Suspension Arm System and Housings



**MULTIPLIESTHEEXPERIENCE**

# The values of a COHESIVE GROUP

## BECAUSE WE BELIEVE IN WHAT WE CREATE TOGETHER EVERY DAY

Founded in 1978, in Italy, with 40 years of experience in steel, stainless steel, extruded aluminium and copper production, more than 250 operating staff, ETA Group represents a safe and recognized benchmark for the global enclosures market as a manufacturer of high quality innovative solutions for Industrial automation, Harsh environments, LV Power distribution and Information technology.

In 2018, ETA is opening its fourth manufacturing unit, thus proudly widening and covering a total area of 70.000 m<sup>2</sup>. Thanks to this new investment, ETA Group will consist of HQ, 4 manufacturing units and 1 logistic center in Italy, 1 manufacturing



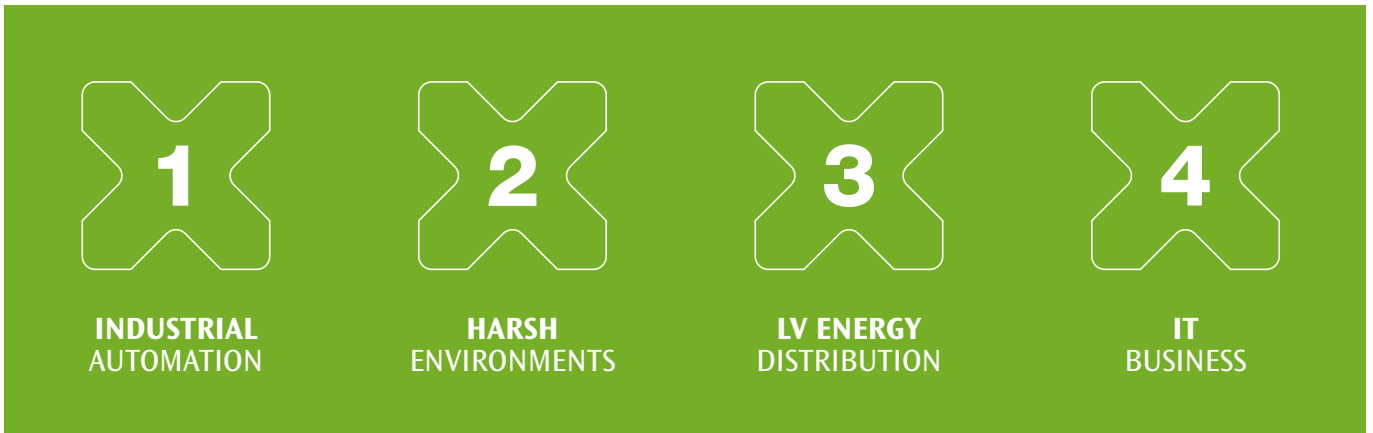
unit in Romania, 3 sales subsidiaries in Europe (UK, France and Poland), 1 representative office in Russia (Saint Petersburg), and an extensive sales network throughout Italy and around the world in more than 40 countries.



1978	1980	1990	1992	1996	1998	1999	2000	2001	2002
Antonio Turati's Heirs found ETA. The first unit in Castelmarte (CO), Italy, is established.	The first CNC machine is installed.	AR9000: a successful cabinet.	The new HQ and manufacturing unit in Canzo (CO), Italy, are established.	The World Wide Web: ETA is on-line with its corporate website.	The first sales subsidiary ETA UK is established. Pronto Quadro: the first ETA software is launched on the market.	ARETA: the revolutionary concept of the flat-pack cabinet.	ARETA is awarded with the Electrical Products Award.	A new production unit in Asso is established.	Sales subsidiary ETA France is established.

# ETA

## Multiplies the experience



The adoption of new raw materials is a symbol of our company’s growth: a different metal for each decade, for each investment, for each new market.

It was all born in 1978, with sheet steel, the base material for Industrial Automation Enclosures. It evolved naturally into stainless steel, for uses in harsh environments. More recently, aluminium was introduced for outdoor solutions. In the last decade, copper was introduced as a fundamental material for LV energy distribution.

In 2018 we celebrated our 40th anniversary with a production that has grown over the years, offering products for four different sections: Industrial automation, Harsh Environments, Low-voltage power distribution, and Networks for information technology, data and security.

### Quality, sustainable innovation and flexibility

ETA is a solid company that strongly believes in evolution which goal is design and build high-quality Enclosures, combining innovation with the experience acquired in all the years it has been active in the sector.

#### INNOVATION

Value of important choices: advanced technology, long-term vision, intuitions, investments and new projects.

#### FLEXIBILITY

Flexibility of thought in responding to the needs of a changing market and product flexibility in the customization of standard solutions.

#### QUALITY

Reliable and competent people you can rely on, constantly monitored business processes, certified products developed through careful design and implementation.



2004	2008	2011	2013	2014	2015	2016	2018	2019
Canzo site is growing.	The manufacturing unit in Albavilla (CO), Italy, is established. The coating plant with leading-edge technology and solutions is inaugurated.	ETA presents the new corporate logo and launches E NUX: innovative manufacturing concept and materials.	ETA handle is awarded by ADI with Honourable mention for Compasso d’Oro. The new unit dedicated to stainless steel enclosures manufacturing is established.	ENERPOWER, the new system specifically designed for LV Energy distribution.	At Hannover Messe ETA “Multiplies the experience”. ABACUS – for IT business – is launched on the market, dedicated to networks and information technology.	A new manufacturing unit (dedicated to ENERPOWER) is established.	Creation of ETA NEXT - The R&D laboratory of ideas and solutions where tomorrow’s products take shape. The Canzo offices are expanded. Our new double-layer treatment, EDUP, is presented.	A line dedicated to E COR production is created and the software Calamus Interactive that places clients in contact with factories 4.0 is designed.

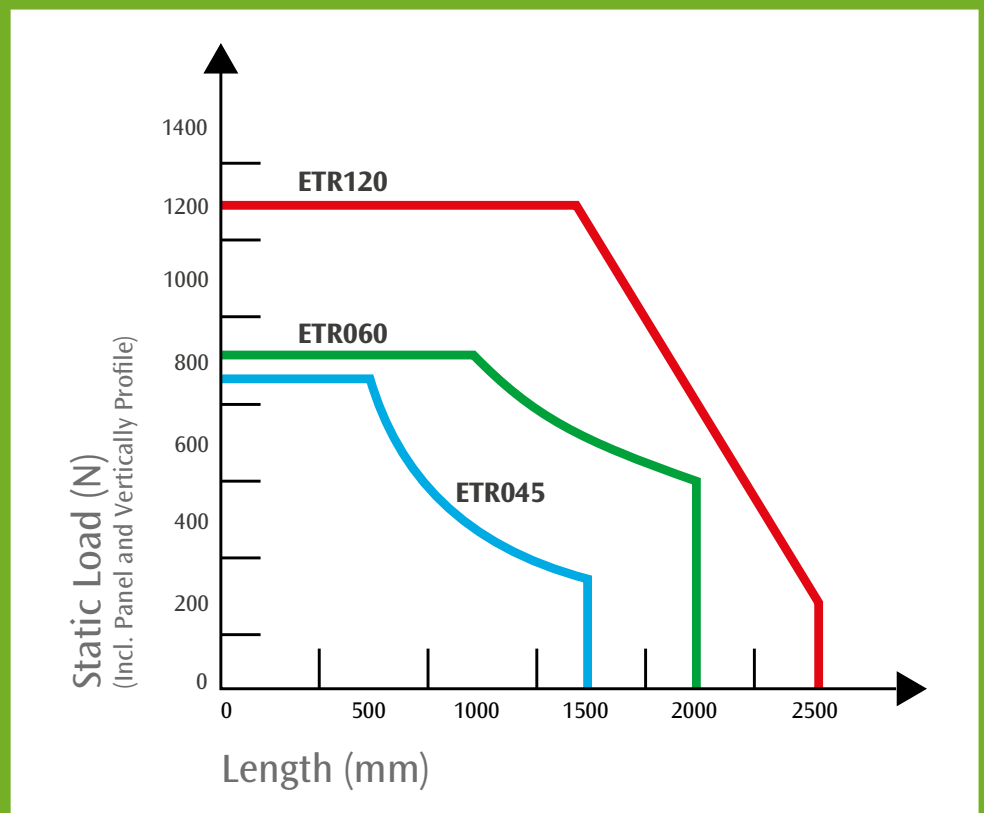


## A STRATEGIC PARTNERSHIP TO WIDEN OUR PRODUCT OFFERING FOR INDUSTRIAL AUTOMATION

Further to a careful selection process based on vision and corporate values, ETA has finalized a partnership agreement with one of the most prominent European companies in designing, manufacturing and supplying suspension arm systems: ETA and this company share the values of innovation, quality, product and service flexibility.

ETA enriches its offer of Industrial Automation Solutions thanks to these 3 ranges of ETR suspension systems and housings, suitable for different application requirements.

### Load diagram for various ETA Profile Systems





# ETR120 Series Product List

	MODEL NO	COMPONENT	ROTATABLE	FIX	LENGTH (mm)	WEIGHT (gr)	COLOR NO. RAL NO.	PACKAGE
	ETR120025	120 Support Profile - 250 mm			250	1.950	7035	1
	ETR120050	120 Support Profile - 500 mm			500	3.900	7035	1
	ETR120075	120 Support Profile - 750 mm			750	5.850	7035	1
	ETR120100	120 Support Profile - 1000 mm			1000	7.800	7035	1
	ETR120125	120 Support Profile - 1250 mm			1250	9.750	7035	1
	ETR120150	120 Support Profile - 1500 mm			1500	11.700	7035	1
	ETR120175	120 Support Profile - 1750 mm			1750	13.650	7035	1
	ETR120200	120 Support Profile - 2000 mm			2000	15.600	7035	1
	ETR120310	Ø 130 mm 310° Rotatable Panel Coupling	X			1.300	7035	1
	ETR120320	Ø 130 mm 310° Rotatable 90° Panel Angle Coupling	X			2.400	7035 5020	1
	ETR120330	90° Angle Piece		X		1.650	7035 5020	1
	ETR120340	315° (± 150°) Rotatable Intermediate Hinge	X			5.630	7035 5020	1
	ETR120350	315° (± 150°) Rotatable Top Mounted 90° Angle Joint	X			5.880	7035 5020	1
	ETR120360	315° (± 150°) Rotatable Top Mounted Vertical Outlet	X			4.755	7035 5020	1
	ETR120370	315° (± 150°) Rotatable Wall-Mounted Hinge. Horizontal Outlet	X			6.600	7035 5020	1
	ETR120380	315° (± 150°) Rotatable Wall-Mounted Hinge. Vertical Outlet	X			5.765	7035 5020	1
	ETR120390	Wall/Socket Mounting Bracket		X		816	7035 5020	1
	ETR120400	120/060 Support Arm Reducer		X		500	7035	1
	ETR120410	310° Rotatable ± 40° Tilting Panel Coupling With Tilting Adaptor	X			2.340	7035 7016	1
	ETR120430	Warning Lamp Cover		X		284	5020	1



# ETR060 Series Product List

	MODEL NO	COMPONENT	ROTATABLE	FIX	LENGTH (mm)	WEIGHT (gr)	COLOR NO. RAL NO.	PACKAGE
	ETR060025	60 Support Profile - 250 mm			250	950	7035	1
	ETR060050	60 Support Profile - 500 mm			500	1.900	7035	1
	ETR060075	60 Support Profile - 750 mm			750	2.820	7035	1
	ETR060100	60 Support Profile - 1000 mm			1000	3.770	7035	1
	ETR060125	60 Support Profile - 1250 mm			1250	4.720	7035	1
	ETR060150	60 Support Profile - 1500 mm			1500	5.670	7035	1
	ETR060175	60 Support Profile - 1750 mm			1750	6.620	7035	1
	ETR060200	60 Support Profile - 2000 mm			2000	7.570	7035	1
	ETR060310	Ø 130 mm 310° Rotatable Panel Coupling	X			1.260	7035	1
	ETR060320	Ø 130 mm 310° Rotatable 90° Panel Angle Coupling	X			1.770	7035 5020	1
	ETR060330	90° Angle Piece		X		640	7035 5020	1
	ETR060340	315° (± 150°) Rotatable Intermediate Hinge	X			2.060	7035 5020	1
	ETR060350	315° (± 150°) Rotatable Top Mounted 90° Angle Joint.	X			2.200	7035 5020	1
	ETR060360	315° (± 150°) Rotatable Top Mounted Vertical Outlet	X			2.000	7035 5020	1
	ETR060370	315° (± 150°) Rotatable Wall-Mounted Hinge. Horizontal Outlet	X			2.530	7035 5020	1
	ETR060380	315° (± 150°) Rotatable Wall-Mounted Hinge. Vertical Outlet	X			2.285	7035 5020	1
	ETR060390	Wall/Socket Mounting Bracket		X		320	7035 5020	1
	ETR060400	350° Moveable Panel Adaptor 118 x 65.5 mm	X			720	7035	1
	ETR060410	+30° / -40° Tilting Panel Tilting Adaptor 125 x 70 mm		X		840	7035 7016	1
	ETR060420	310° Rotatable ± 40° Tilting Panel Coupling With Tilting Adaptor	X			2.230	7035 7016	1
	ETR060430	Warning Lamp Cover		X		130	5020	1



# ETR045 Series Product List

	MODEL NO	COMPONENT	ROTATABLE	FIX	LENGTH (mm)	WEIGHT (gr)	COLOR NO. RAL NO.	PACKAGE
	ETR045025	45 Support Profile - 250 mm			250	550	7035	1
	ETR045050	45 Support Profile - 500 mm			500	1.100	7035	1
	ETR045075	45 Support Profile - 750 mm			750	1.650	7035	1
	ETR045100	45 Support Profile - 1000 mm			1000	2.200	7035	1
	ETR045125	45 Support Profile - 1250 mm			1250	2.750	7035	1
	ETR045150	45 Support Profile - 1500 mm			1500	3.300	7035	1
	ETR045175	45 Support Profile - 1750 mm			1750	3.850	7035	1
	ETR045200	45 Support Profile - 2000 mm			2000	4.400	7035	1
	ETR045310	Rotatable joint for housing	X			720	7035	1
	ETR045320	Rotatable angle joint 90° for housing	X			1.000	7035 5020	1
	ETR045330	90° Angle piece		X		365	7035 5020	1
	ETR045350	Rotatable intermediate hinge	X			1.725	7035 5020	1
	ETR045360	Rotatable top mounted 90° angle joint	X			1.700	7035 5020	1
	ETR045370	Rotatable top mounted vertical outlet	X			1.565	7035	1
	ETR045380	Rotatable wall-mounted hinge horizontal outlet	X			1.940	7035 5020	1
	ETR045390	Rotatable wall-mounted hinge vertical outlet	X			1.760	7035 5020	1
	ETR045400	Wall/socket mounting bracket		X		180	7035	1



# ETR120

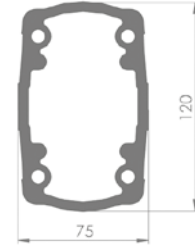
## Technical Features



### ETR120025 Support Arm Profile

Length (mm)	250
Weight (gr)	1.950
Colour No.	7035
Package	1
Package Size (mm)	80 x 130 x 260

Support Arm Profile Length (mm)  
250 - 500 - 750 - 1000 - 1250 - 1500 - 1750 - 2000



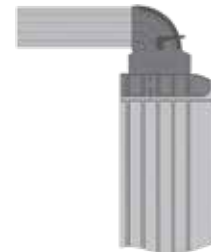
### ETR120310 Rotatable Panel Coupling

Weight (gr)	1.300
Colour No.	7035
Package	1
Package Size (mm)	150 x 65 x 135
Diameter (mm)	Ø 130
Rotate	310°



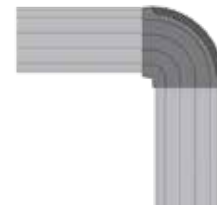
### ETR120320 Rotatable 90° Panel Angle Coupling

Weight (gr)	2.400
Colour No.	7035 / 5020
Package	1
Package Size (mm)	215 x 145 x 170
Diameter (mm)	Ø 130
Rotate	310°



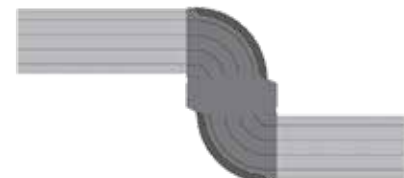
### ETR120330 90° Angle Piece

Weight (gr)	1.650
Colour No.	7035 / 5020
Package	1
Package Size (mm)	165 x 100 x 160
Rotate	Fixed



### ETR120340 Rotatable Intermediate Hinge

Weight (gr)	5.630
Colour No.	7035 / 5020
Package	1
Package Size (mm)	355 x 175 x 175
Rotate	315°



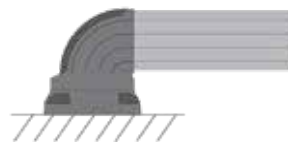




### ETR120350

### Rotatable Top Mounted 90° Angle Joint

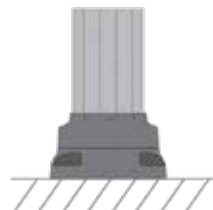
Weight (gr)	5.880
Colour No.	7035 / 5020
Package	1
Package Size (mm)	210 x 240 x 205
Rotate	315°



### ETR120360

### Rotatable Top Mounted Vertical Outlet

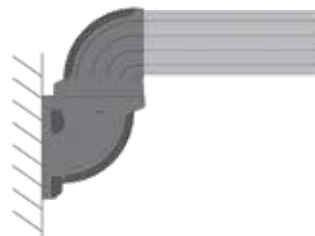
Weight (gr)	4.755
Colour No.	7035 / 5020
Package	1
Package Size (mm)	220 x 120 x 210
Rotate	315°



### ETR120370

### Rotatable Wall-Mounted Hinge. Horizontal Outlet

Weight (gr)	6.600
Colour No.	7035 / 5020
Package	1
Package Size (mm)	380 x 200 x 210
Rotate	315°



### ETR120380

### Rotatable Wall-Mounted Hinge. Vertical Outlet

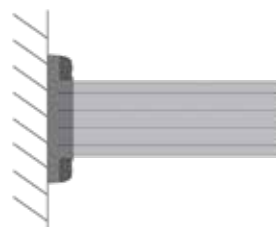
Weight (gr)	5.765
Colour No.	7035 / 5020
Package	1
Package Size (mm)	280 x 200 x 205
Rotate	315°



### ETR120390

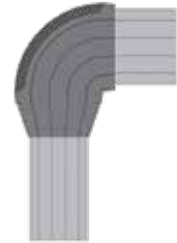
### Wall/Socket Mounting Bracket

Weight (gr)	816
Colour No.	7035 / 5020
Package	1
Package Size (mm)	220 x 50 x 105
Rotate	Fixed



**ETR120400****120/060 Support Arm Reducer**

Weight (gr)	500
Colour No.	7035
Package	1
Package Size (mm)	135 x 70 x 90
Rotate	Fixed

**ETR120410****Panel Coupling With Tilting Adaptor**

Weight (gr)	2.340
Colour No.	7035 / 7016
Package	1
Package Size (mm)	140 x 140 x 160
Diameter (mm)	Ø 130
Rotate	310°

**ETR120430****Warning Lamp Cover**

Weight (gr)	284
Colour No.	5020
Package	1
Package Size (mm)	205 x 50 x 95
Rotate	Fixed





# ETR060

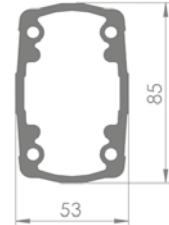
## Technical Features



### ETR060025 Support Arm Profile

Length (mm)	250
Weight (gr)	1.260
Colour No.	7035
Package	1
Package Size (mm)	90 x 55 x 255

Support Arm Profile Length (mm)  
250 - 500 - 750 - 1000 - 1250 - 1500 - 1750 - 2000



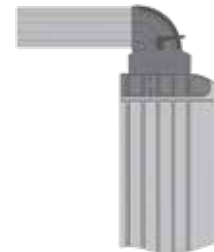
### ETR060310 Rotatable Panel Coupling

Weight (gr)	1.260
Colour No.	7035
Package	1
Package Size (mm)	150 x 60 x 140
Diameter (mm)	Ø 130
Rotate	310°



### ETR060320 Rotatable 90° Panel Angle Coupling

Weight (gr)	1.770
Colour No.	7035 / 5020
Package	1
Package Size (mm)	145 x 150 x 140
Diameter (mm)	Ø 130
Rotate	310°



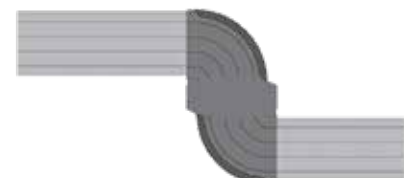
### ETR060330 90° Angle Piece

Weight (gr)	640
Colour No.	7035 / 5020
Package	1
Package Size (mm)	165 x 75 x 125
Rotate	Fixed



### ETR060340 Rotatable Intermediate Hinge

Weight (gr)	2.060
Colour No.	7035 / 5020
Package	1
Package Size (mm)	245 x 130 x 125
Rotate	315°

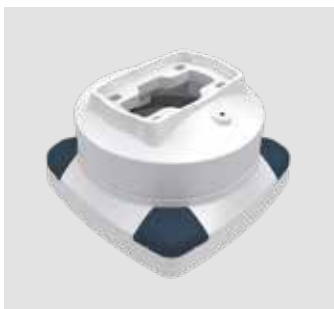
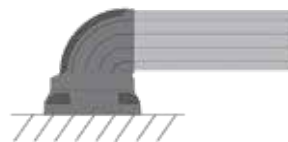




### ETR060350

### Rotatable Top Mounted 90° Angle Joint

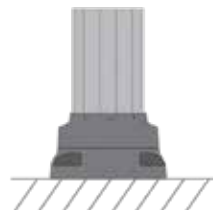
Weight (gr)	2.200
Colour No.	7035 / 5020
Package	1
Package Size (mm)	155 x 160 x 145
Rotate	315°



### ETR060360

### Rotatable Top Mounted Vertical Outlet

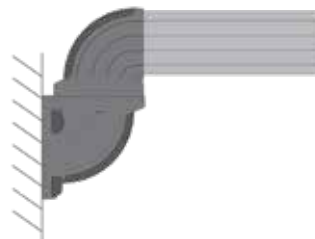
Weight (gr)	2.000
Colour No.	7035 / 5020
Package	1
Package Size (mm)	155 x 85 x 140
Rotate	315°



### ETR060370

### Rotatable Wall-Mounted Hinge. Horizontal Outlet

Weight (gr)	2.530
Colour No.	7035 / 5020
Package	1
Package Size (mm)	275 x 140 x 145
Rotate	315°



### ETR060380

### Rotatable Wall-Mounted Hinge. Vertical Outlet

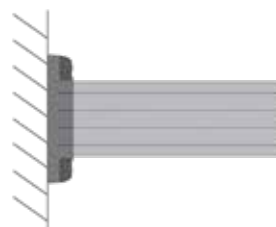
Weight (gr)	2.285
Colour No.	7035 / 5020
Package	1
Package Size (mm)	200 x 140 x 145
Rotate	315°



### ETR060390

### Wall/Socket Mounting Bracket

Weight (gr)	130
Colour No.	7035 / 5020
Package	1
Package Size (mm)	160 x 35 x 80
Rotate	Fixed





### ETR060400

### Moveable Panel Adaptor

Weight (gr)	720
Colour No.	7035
Package	1
Package Size (mm)	135 x 65 x 110
Rotate	350°



### ETR060410

### Panel Tilting Adaptor

Weight (gr)	840
Colour No.	7035 / 7016
Package	1
Package Size (mm)	155 x 85 x 110
Rotate	+30° / -40°



### ETR060420

### Panel Coupling With Tilting Adaptor

Weight (gr)	2.230
Colour No.	7035 / 7016
Package	1
Package Size (mm)	140 x 140 x 160
Diameter (mm)	Ø 130
Rotate	310°



### ETR060430

### Warning Lamp Cover

Weight (gr)	130
Colour No.	5020
Package	1
Package Size (mm)	130 x 65 x 110
Rotate	Fixed





# ETR045

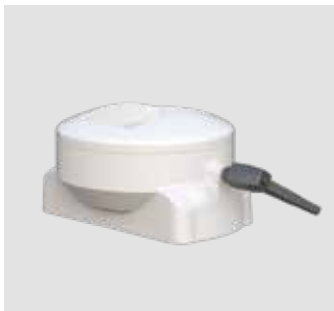
## Technical Features



### ETR045025 Support Arm Profile

Length (mm)	250
Weight (gr)	550
Colour No.	7035
Package	1
Package Size (mm)	45 x 75 x 255

Support Arm Profile Length (mm)  
250 - 500 - 750 - 1000 - 1250 - 1500 - 1750 - 2000



### ETR045310 Rotatable joint for housing

Weight (gr)	720
Colour No.	7035
Pz.	1
Package	130 x 65 x 110
Diameter (mm)	Ø 130
Rotate	310°



### ETR045320 Rotatable angle joint 90° for housing

Weight (gr)	1.000
Colour No.	7035 / 5020
Pz.	1
Package	120 x 130 x 120
Diameter (mm)	Ø 130
Rotate	90°



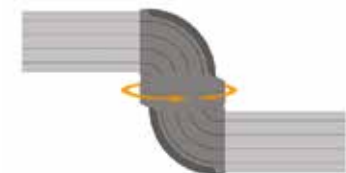
### ETR045330 90° Angle piece

Weight (gr)	365
Colour No.	7035 / 5020
Pz.	1
Package	95 x 95 x 60
Rotate	Fixed



### ETR045350 Rotatable intermediate hinge

Weight (gr)	1.725
Colour No.	7035 / 5020
Pz.	1
Package	120 x 220 x 120
Diameter (mm)	Ø 130
Rotate	310°

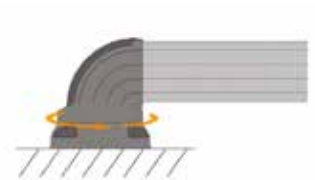




### ETR045360

### Rotatable top mounted 90° angle joint

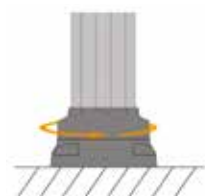
Weight (gr)	1.700
Colour No.	7035 / 5020
Pz.	1
Package	120 x 130 x 120
Diameter (mm)	Ø 130
Rotate	310°



### ETR045370

### Rotatable top mounted vertical outlet

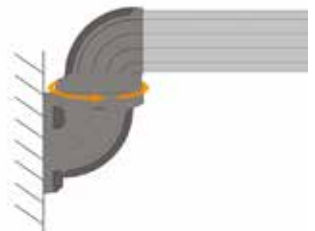
Weight (gr)	1.565
Colour No.	7035
Pz.	1
Package	150 x 140 x 85
Rotate	310°



### ETR045380

### Rotatable wall-mounted hinge horizontal outlet

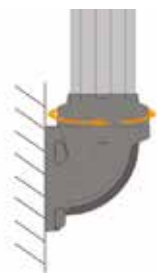
Weight (gr)	1.940
Colour No.	7035 / 5020
Pz.	1
Package	120 x 220 x 120
Diameter (mm)	Ø 130
Rotate	310°



### ETR045390

### Rotatable wall-mounted hinge vertical outlet

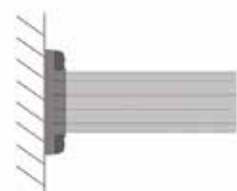
Weight (gr)	1.760
Colour No.	7035 / 5020
Pz.	1
Package	145 x 135 x 150
Rotate	310°



### ETR045400

### Wall/socket mounting bracket

Weight (gr)	180
Colour No.	7035
Pz.	1
Package	60 x 120 x 25
Rotate	Fixed





## RANGE OF HOUSINGS

Control panels are essential for the operation and safety of manufacturing lines.

ETR suspension systems allow the operator to use the system safely; ETCR housings, designed according to a modular concept, are characterized by an ergonomic structure with an attractive design and offered in 3 depths 90, 150 and 180 (90+90) mm.

The housings, made of anodized aluminum with RAL 7035 corner joints and RAL 5020 corner covers, are equipped with blank or customized closing panels with customization for LCD screens, buttons, switches (according to the customer's specifications).

The internal depth of use of each operator panel considers the general requirements of the market and are compatible with the industrial PC monitors of the world's leading brands.

- Ergonomic and modular design
- Sturdy structure
- Expandable depth
- Protection Rating: IP65







# HOUSING ETCR

## Series Product List

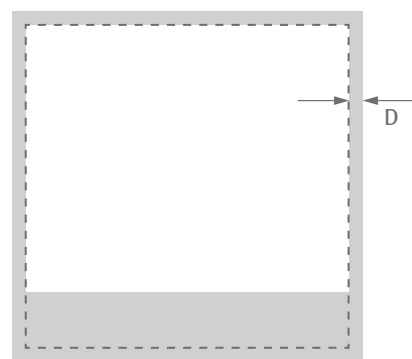
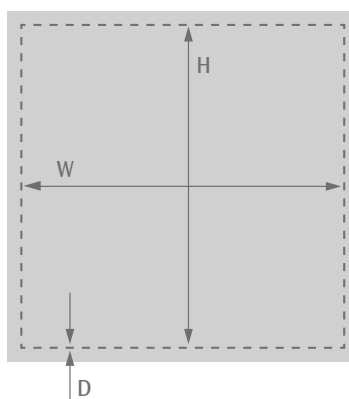
PART NUMBER	DIMENSIONS (mm)			REAR PANEL		DEPTH		SUSPENSION ARM SYSTEM
	WIDTH	HEIGHT	DEPTH	HINGED	SCREWED	PROFILE	DEPTH (mm)	
ETCR304009	300	400	90	YES	NO	YES	67	ETR045310 ETR045320 ETR060400 ETR060410
ETCR404009	400	400	90	YES	NO	YES	67	
ETCR504009	500	400	90	YES	NO	YES	67	
ETCR505009	500	500	90	YES	NO	YES	67	
ETCR506009	500	600	90	YES	NO	YES	67	
ETCR304015	300	400	150	YES	NO	YES	127	ETR060310 ETR060320 ETR060420 ETR120310 ETR120320 ETR120410
ETCR404015	400	400	150	YES	NO	YES	127	
ETCR504015	500	400	150	YES	NO	YES	127	
ETCR505015	500	500	150	YES	NO	YES	127	
ETCR506015	500	600	150	YES	NO	YES	127	
ETCR304018	300	400	180 (90+90)	YES	NO	YES	157	ETR045310 ETR045320 ETR060400 ETR060410
ETCR404018	400	400	180 (90+90)	YES	NO	YES	157	
ETCR504018	500	400	180 (90+90)	YES	NO	YES	157	
ETCR505018	500	500	180 (90+90)	YES	NO	YES	157	
ETCR506018	500	600	180 (90+90)	YES	NO	YES	157	

Note: cf. pag. 18 for the choice of the joint.

## BLANK FRONTAL PANEL

PART NUMBER	DIMENSIONS (mm)	
	WIDTH	HEIGHT
ETCP3040	300	400
ETCP4040	400	400
ETCP5040	500	400
ETCP5050	500	500
ETCP5060	500	600

Remark:  
for punched panel,  
please select  
the blank panel  
part number  
and send  
related drawing.



D = 21,5 mm - Installation Area 



# HOUSING ETCR

## Feasible Panel Connections

		HOUSING		
		ETCR...009	ETCR...018	ETCR...015
				
<b>ETR045310</b>		●	●	
<b>ETR045320</b>		●	●	
<b>ETR060310</b>				●
<b>ETR060320</b>				●
<b>ETR060400</b>		●	●	
<b>ETR060410</b>		●	●	
<b>ETR060420</b>				●
<b>ETR120310</b>				●
<b>ETR120320</b>				●
<b>ETR120410</b>				●

Note: cf. pag. 17 for the choice of the housing.



## SUPPORT ARM SYSTEM



The structure of the support arm system is defined by machine size, enclosure dimensions and enclosure weight, the number of connection elements (used as few different components) and the profile lengths.

ETA offers various solutions for different load capacities

**ETR045** (400N Load Capacity)

**ETR060** (800N Load Capacity)

**ETR120** (1200N Load Capacity)

(Load capacity is defined for a total of 1 meter profile including enclosure)



## MULTIPLIESTHEEXPERIENCE



1

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