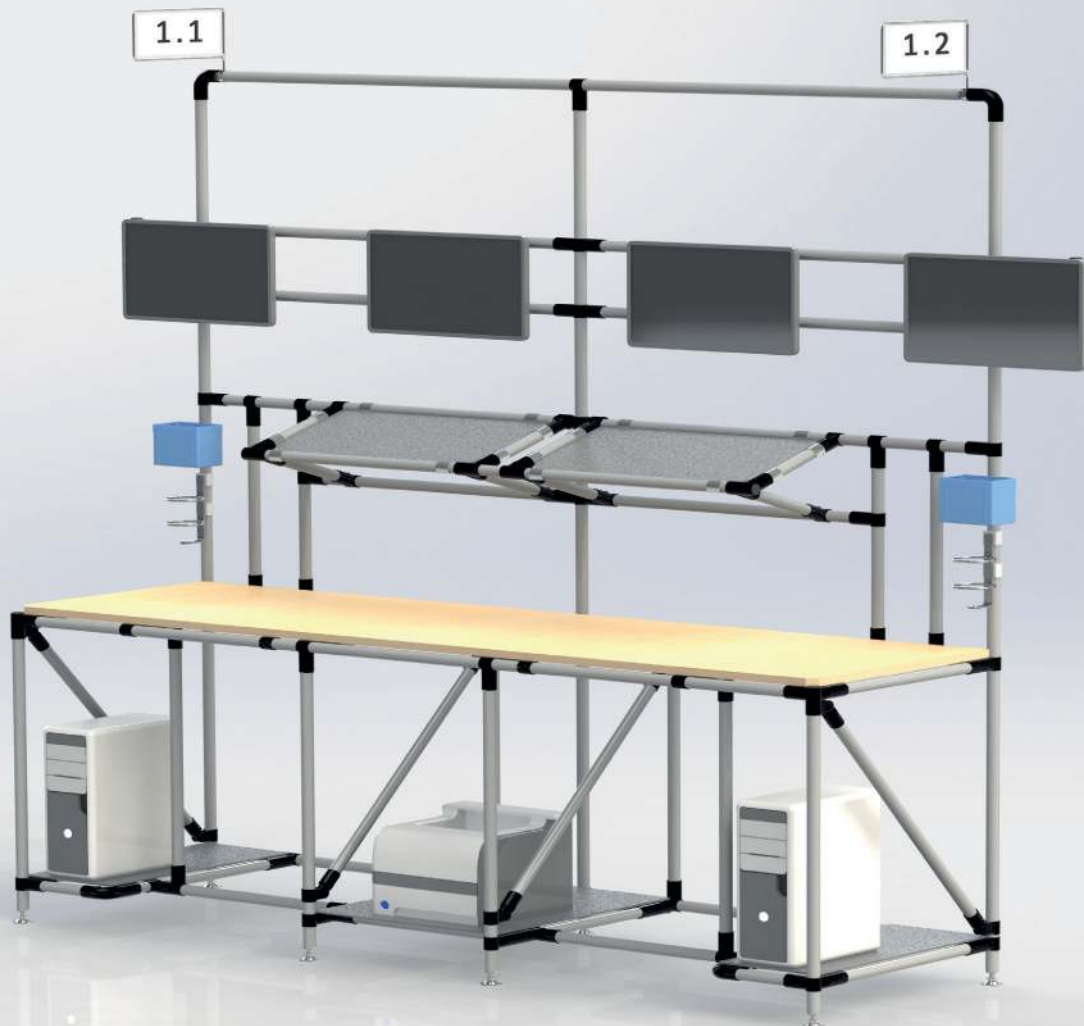


2019
2020



EASYTUBE



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EASYTUBE™

THE ONLY LIMIT IS YOUR IMAGINATION!

EASYTUBE offers a range of modular components that enables you to design and build a variety of versatile structures to aid storage, assembly, manufacturing and other operations.

EASYTUBE provides individual solutions for

- Dynamic Flow Racks
- Assembly Lines
- Cell Feed Systems
- FIFO Picking Systems
- Shelving and Racking
- Carts, Trucks and Trolleys
- Assembly and Packing Benches
- Kitting Systems for Parts
- Notice Boards, Sign Holders, Safety Signs
- Conveyors ...

EASYTUBE is a multifunctional aid to concept engineering, allowing continuous and cost-effective improvement to your designs.

Available in standard and custom colour finishing, the pipes and joints allow speedy realisation of creative solutions for assembly lines, warehouses, logistics operations, offices, laboratories, schools, hospitals, D.I.Y. stores, garden centres – in fact, almost everywhere!

Know how, creativity, flexibility and the highest quality service and products are the base for our position on the European market.

For us, a customer's requirements are a constant challenge to improve our internal systems to provide faster, better and more competitive service. From order confirmation to prompt and correct delivery including service back-up, you can be sure of first-rate technical support and quality proven products.

We are not only a supplier of goods but also want to provide you with the necessary back-up from start to finish in your procurement and manufacturing operations. Our staff ensure that your projects are properly supported from A to Z.

Competent technical advice is at your disposal, via telephone or on location. Wherever, whenever you need it.

Because your success is our success.



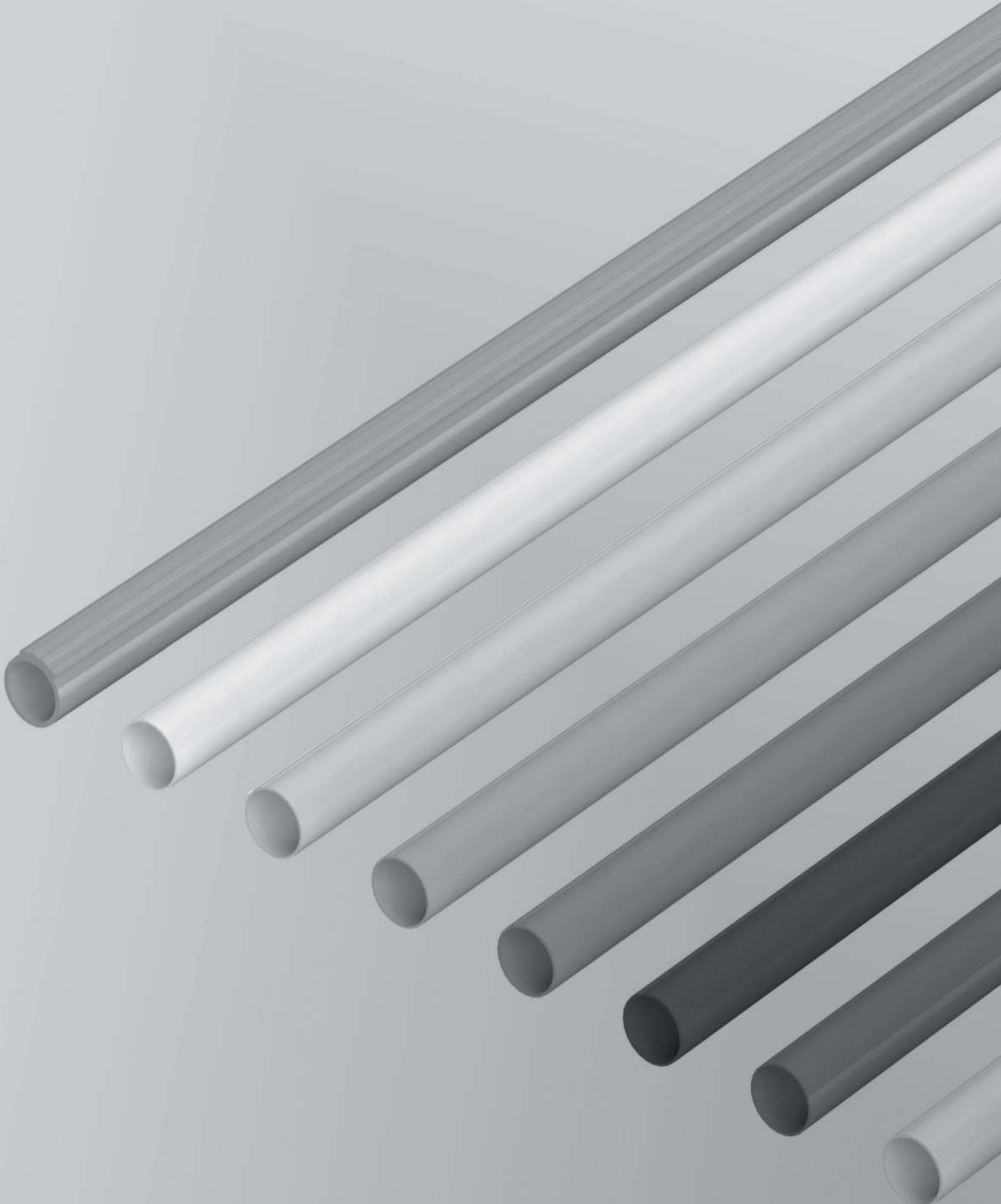
EASYTUBE™

SALES & SERVICE OFFICES





EASYTUBE™ PIPES



PIPES

EASYTUBE™ PIPES

STAINLESS STEEL PIPES




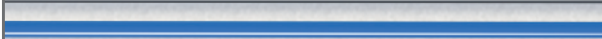
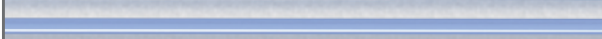
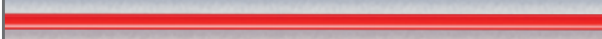
- Superior resistance to oil and chemicals
- Environmentally friendly
- Suitable for ESD applications and for use in clean rooms
- Complies with the requirements of EN: 10088
- Available wall thickness: 1.2 mm

PLASTIC COATED PIPES



- Cost effective and durable
- Wide range of colours available; special colours on request
- Available in ESD execution (black)
- Rust inhibitor applied to inner surface for extended lifetime cycle
- Available wall thickness: 1,0 mm and 2,0 mm

POWDER COATED PIPES

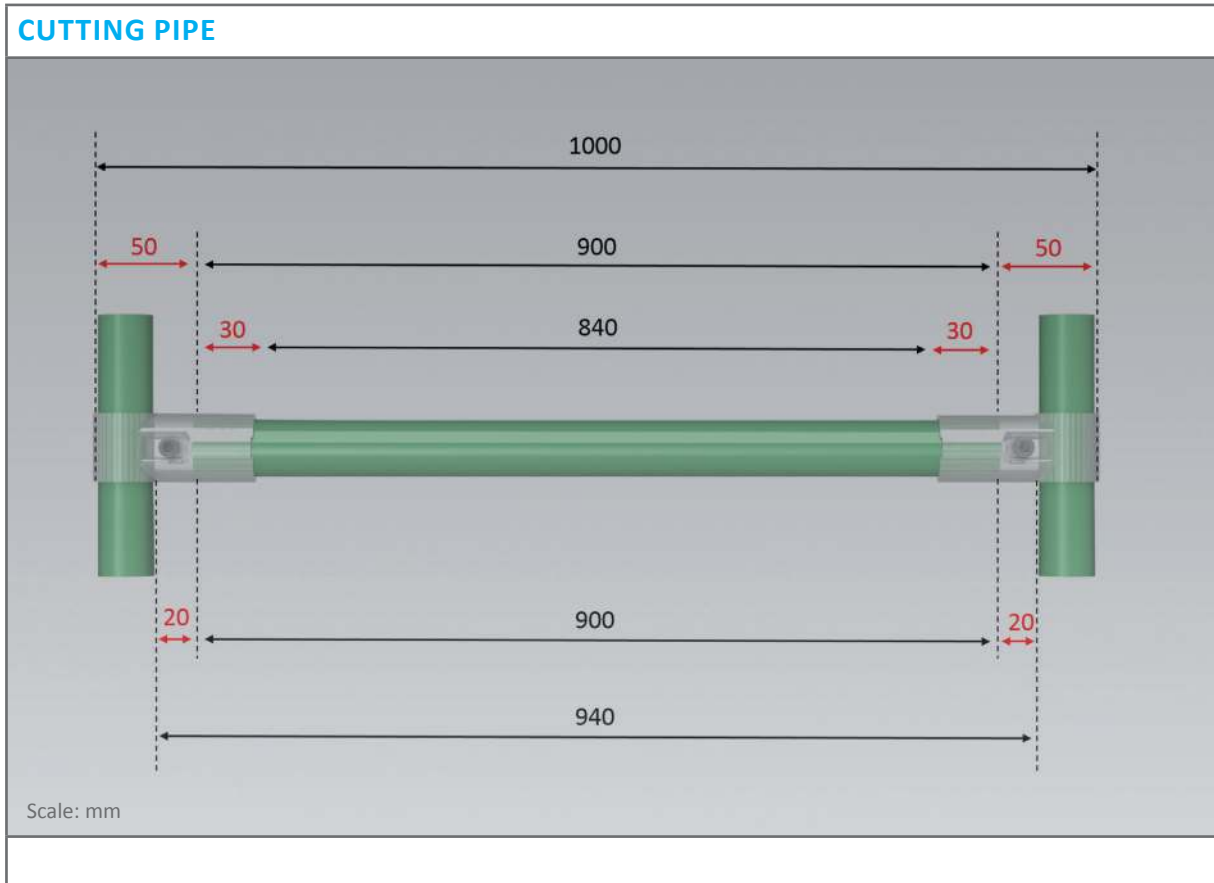
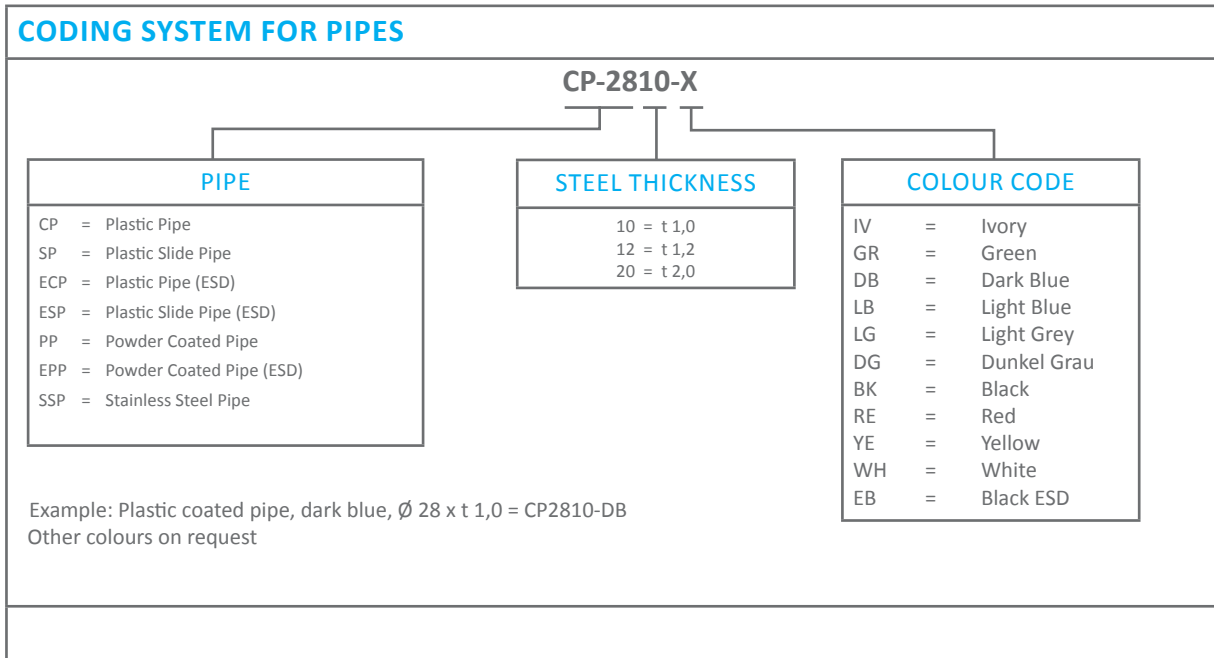
- Wear resistant, reusable and fully recyclable
- Available in a wide range of colours and in ESD execution (black), special colours on request
- Corrosion resistant, high resistance to oil and chemicals, solvent and bleaching
- Non-flammable surface
- Available wall thickness: 1,2 mm

COLOUR CHART FOR PLASTIC COATED AND POWDER COATED PIPES				
	IV	GR	RE	DB
	IVORY	GREEN	RED	DARK BLUE
	LB	LG	DG	BK
	LIGHT BLUE	LIGHT GREY	DARK GREY	BLACK
	EB	WH	YE	OTHER COLOURS ON REQUEST
	BLACK ESD	WHITE	YELLOW	

WALL THICKNESSES	1,0 mm	1,2 mm	2,0 mm
STAINLESS STEEL PIPE		✓	
POWDER COATED PIPE		✓	
PLASTIC COATED PIPE	✓		✓

TYPES OF PIPES	STAINLESS STEEL	POWDER COATED	PLASTIC COATED
STANDARD PIPE 	✓	✓	✓
SLIDE PIPE 			✓

EASYTUBE™ PIPES



MAXIMUM LOAD LIMITS					
Pipe	Overall Length (mm)	Permanent Deformation (mm)	Total Bending (mm)	Point Load (kg)	evenly distributed load (kg)
SSP-2812	1000	0	16	167	267
SSP-2812	1000	5	24	230	368
SSP-2812	1000	10	34	276	442
SSP-2812	1000	15	42	298	477
Tested by Technical University Munich and SVUM a.s. Research Institute for Materials, Prague					

EASYTUBE™ PIPES

MAXIMUM LOAD LIMITS					
Pipe	Overall Length (mm)	Permanent Deformation (mm)	Total Bending (mm)	Point Load (kg)	evenly distributed load (kg)
CP-2810	1000	0	14	112	179
CP-2810	1000	5	25	167	267
CP-2810	1000	10	32	184	294
CP-2810	1000	15	38	202	323
CP-2820	1000	0	12	155	248
CP-2820	1000	5	18	187	299
CP-2820	1000	10	25	206	330
CP-2820	1000	15	30	218	349
PP-2812	1000	0	16	173	277
PP-2812	1000	5	24	224	358
PP-2812	1000	10	32	257	411
PP-2812	1000	15	39	273	437
Tested by Technical University Munich and SVUM a.s. Research Institute for Materials, Prague					

EASYTUBE™ METAL JOINTS



EASYTUBE™ METAL JOINTS

ALL JOINTS ARE AVAILABLE IN BLACK ZINC-PLATED OR NICKEL-PLATED



EASYTUBE™ METAL JOINTS



EASYTUBE™ METAL JOINTS

FOR MOUNTING OVER STANDARD JOINTS



EASYTUBE™ JOINT COMBINATIONS



EASYTUBE™ JOINT COMBINATIONS



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EASYTUBE™ JOINT COMBINATIONS

ES-1



E-1 is the main structural joint. Two joints allow the combination of two pipes at a right angle. E-1 is the main assembly joint used in building many different structures. It is recommended to keep enough of this basic joint in stock.

ES-1C



E-1C is used when boxes or similar slide along the pipe, where a combination of two joints type E-1 would interfere with this sliding. E-1C is used in connection with guides or slide pipe or similar. Do not use E-1C as a substitute for E-1.

ES-2



The combination of E-2 and E-3 is used to create a right angle, to ensure that a structure is square. It is a very important, very strong joint assembly. If this combination is not used on at least two corners of an assembly then the structure may become unstable.

ES-3



This combination of E-4 and E-2 is often used in larger assemblies where there are several sections. It ensures that all parts are square and stable.

ES-4



A joint combination consisting of two E-4 joints is the best way to assemble pipes crossing each other. Typically, the continuous pipe is used for the vertical, the pipe sections for the horizontal.

EASYTUBE™ JOINT COMBINATIONS



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EASYTUBE™ JOINT COMBINATIONS

ES-H-20



Two H-20 joints and a nylon sleeve build a hinge, for example for a cupboard.

ES-5



Four E-2 joints are sometimes used at the centre of a larger assembly. It is a convenient and secure way to fix converging pipes.

ES-6



Two E-6 joints form a crossover joint assembly. This not a main structural joint. It lacks the strength of the combination made of two E-4 joints but is often more convenient for certain purposes. It is often used to support panels or a work surface.

ES-6C



Similarly to E-1C, E-6C is used in connection with guides or slide pipe, it provides a crossover possibility without the joint interfering with the box or container. It is of course not as secure as E-6 so should not be used as a structural joint.

ES-7A & ES-7B



The combination of E-7A and E-7B makes a variable angle joint, allowing one pipe to be joined to the middle of another and the angle to be varied. This provides flexibility to the structure. Diagonal bracing is one area where this is commonly used. Additionally, two E-7A parts are commonly used to secure panels.

EASYTUBE™ JOINT COMBINATIONS



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EASYTUBE™ JOINT COMBINATIONS

ES-7C & ES-7b



Combining E-7B and E-7C results in a joint assembly which allows two pipes to be joined end to end at variable angles. This can be combined with E-12 joint assemblies at the other ends to make a very flexible, mobile part of the structure.

ES-8



Combining two E-8 joints is very strong way to join two parallel pipes. This may be to join two structures together or perhaps if a horizontal span needs to be longer than normal and two pipes must be used then the pipes should be joined using this.

ES-9



The E-9 double joint is a way to fix two pipes parallel on one other. It is often used in combination with E-8 joints.

ES-11



E-11 is often used for handles or grips, many other cases where a rounded corner is desirable either for practical or aesthetic reasons. The tops of work surfaces may be finished in this way.

ES-12



E-12 in combination with GAP-12 is a hinge joint. It allows one part to swivel around the other. This may be used to assemble a door, gate or barrier. A roller track can be assembled with a section which lifts to allow passage.

EASYTUBE™ JOINT COMBINATIONS



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EASYTUBE™ JOINT COMBINATIONS

ES-13



E-13A and E-13B combine to form a strong 45° angle joint. The main use is in diagonal bracing where it is cheaper and stronger than joints made with E-7A and E-7B.

ES-14



E-14 is often used to combine two joint assemblies made with E-7A and E-7B or two E-13A and E-13B at the head of diagonal bracing sections.

ES-15



Joint combinations of E-15A and E-15B are excellent for fixing panels or work surfaces to structures. The panel is then fixed securely on top of the pipe. This joint can be used to fix pipes to walls or to aluminium profile. Be sure to put the nut in the recess, otherwise disassembly is more difficult.

ES-15M



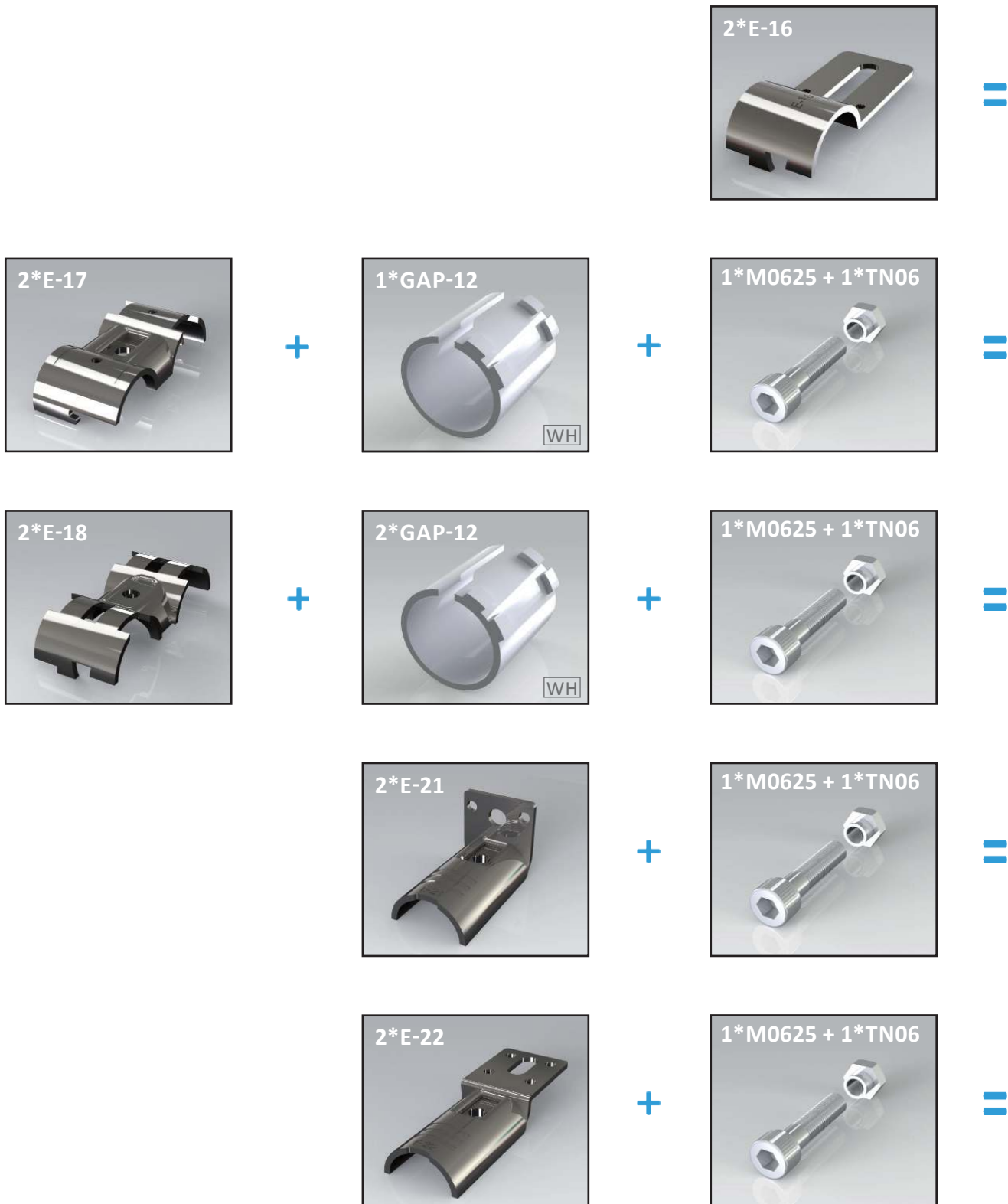
E-15M-A/-B clamp combination is attached to the pipe like E-15A. It is used on various worktops and lifting systems. Due to their oblong hole, one is more flexible in the attachment in the width.

ES-15CR & ES-15CL



This joint combination is used to fix shelves to a vertical pipe. Naturally, there is a left and a right combination using either E-15CL or E-15CR.

EASYTUBE™ JOINT COMBINATIONS



EASYTUBE™ JOINT COMBINATIONS

ES-16



Two E-16 joints provide a simple method of fixing a panel at halfway across the thickness of the pipe. This combination is often used when the board must be within the structure rather than above it.

ES-17



This joint combination is used to join two parallel pipes. One pipe is fixed, the other can turn in the joint. This is used to make a gate or barrier, or as above in the case of E-12, a section of a structure can lift to provide access or passage.

ES-18



A joint combination made with these parts is similar to the E-17 combination, but both pipes can turn.

ES-21



This is the best way to combine aluminium profile and pipe system. This joint can of course also be used to as a vertical support for a work surface or to fix the structure to the wall or floor.

ES-22



This combination allows the pipe system to be fixed to the corner or end of aluminium profile or to the side of a wall or another structure.

EASYTUBE™ JOINT COMBINATIONS



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EASYTUBE™ JOINT COMBINATIONS

ES-23



By combining E-21 and E-22 it is possible to fix the pipe joint assembly to two sides of aluminium profile, to a beam or a wall.

ES-1L



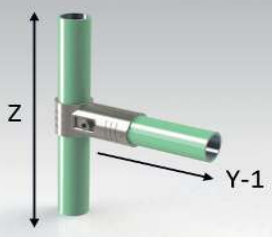
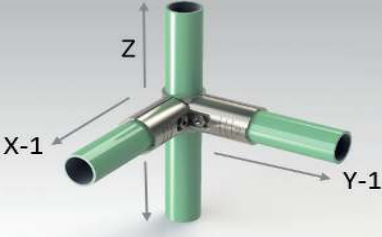
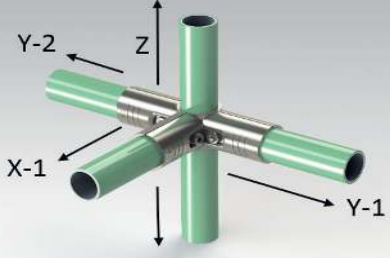
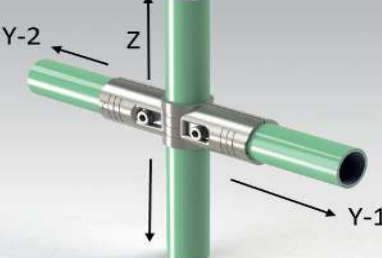
This joint combination is similar to the standard E-1 joint combination but can be mounted over a joint to save space.

ES-4L

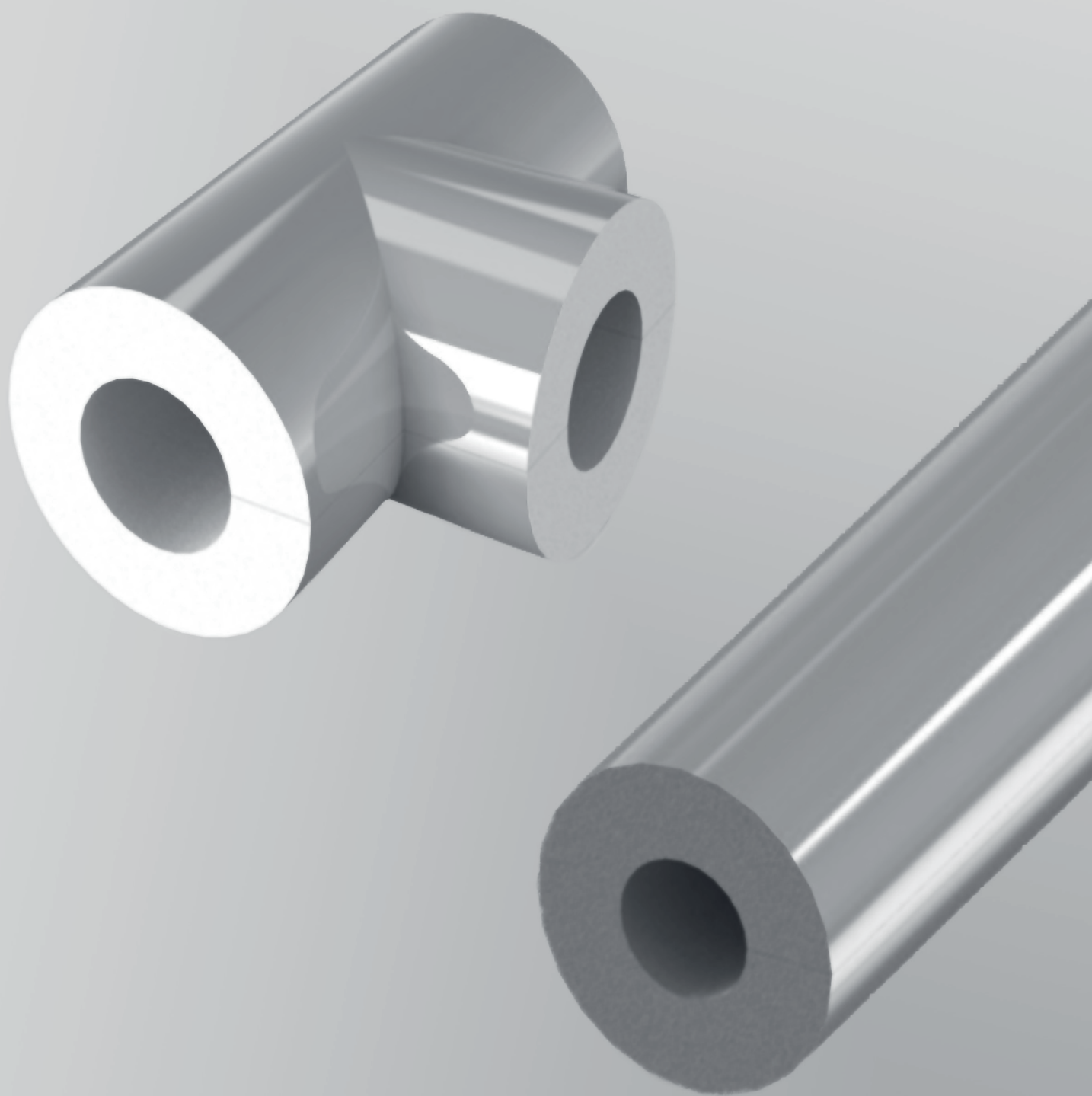


This joint combination is similar to the standard E-4 joint combination but can be mounted over a joint to save space.

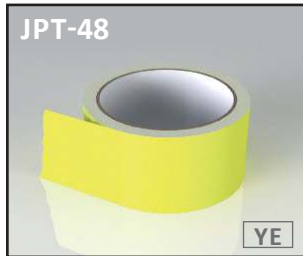
EASYTUBE™ JOINT COMBINATIONS

MAXIMUM LOAD IN X, Y AND Z AXES ON COMBINED JOINTS					
Torque: 14 Nm					
					
ES-1		ES-2			
					
ES-3		ES-4			
Schellen	Joint Set	Z-1(kg)	Y-1(kg)	Y-2(kg)	X-1(kg)
ES-1	Stainless Steel	70	60		
ES-1	Powder Coated	140	70		
ES-1	Plastic Coated	200	90		
ES-2	Stainless Steel	70	30		30
ES-2	Powder Coated	140	40		40
ES-2	Plastic Coated	200	60		60
ES-3	Stainless Steel	70	30	30	30
ES-3	Powder Coated	140	40	40	40
ES-3	Plastic Coated	200	60	60	60
ES-4	Stainless Steel	70	30		30
ES-4	Powder Coated	140	40		40
ES-4	Plastic Coated	200	60		60
Tested by Technical University Munich and SVUM a.s. Research Institute for Materials, Prague					

EASYTUBE™ PIPE PROTECTORS



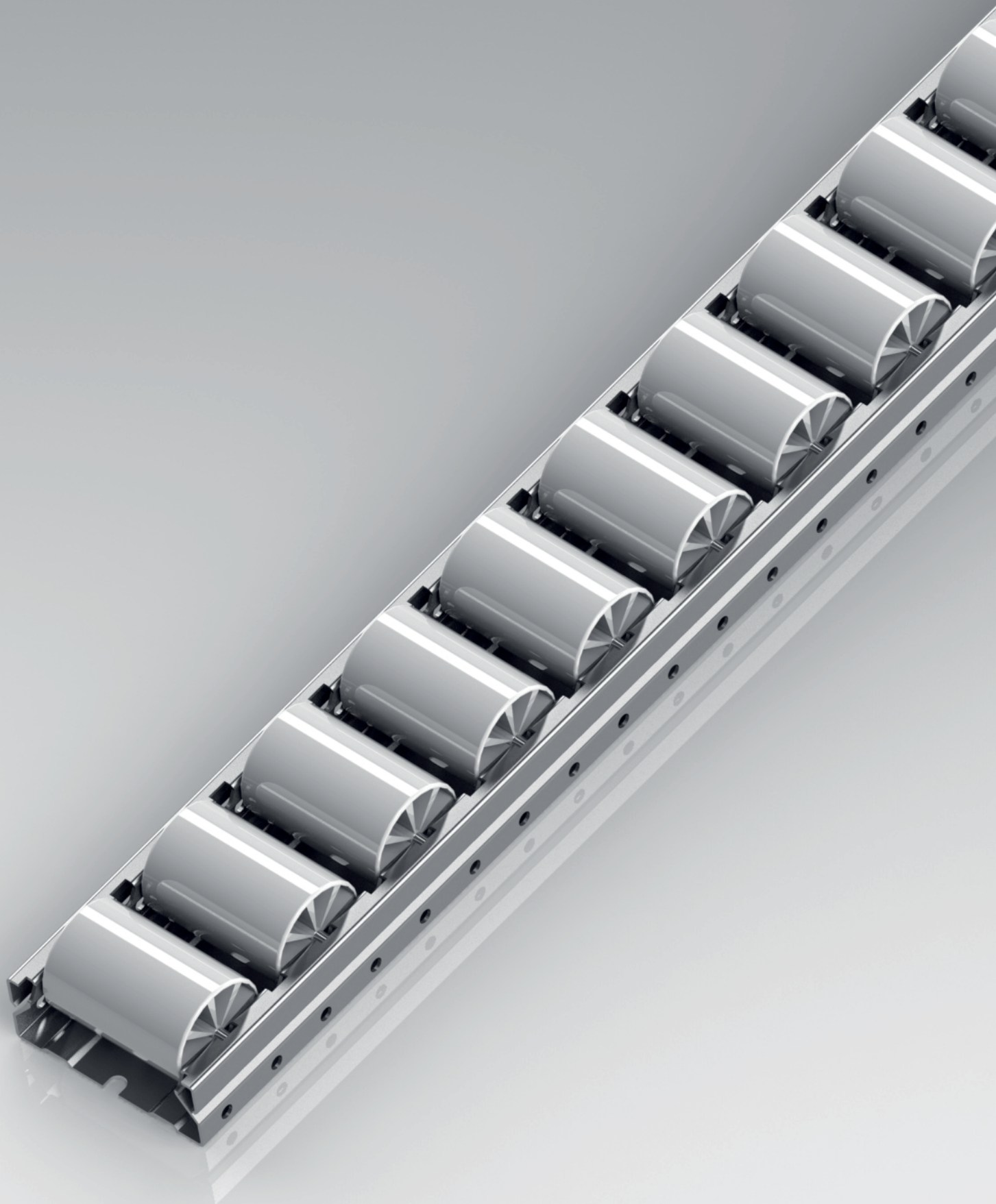
EASYTUBE™ PIPE PROTECTORS



* ID = Inner Diameter

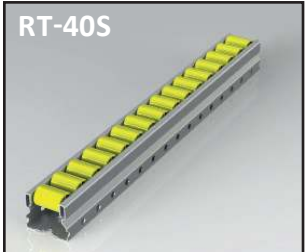


EASYTUBE™ ROLLER TRACKS



ROLLER TRACKS

EASYTUBE™ ROLLER TRACKS



*various other roller tracks such as heavy duty, quiet, multi-directional or with bearings on request

EASYTUBE™ ROLLER TRACKS

SPECIFICATION				*Specification in mm
ROLLER TRACK	LOAD CAPACITY (kg-f)	ROLLER DIAMETER (mm)*	SHAFT DIAMETER (mm)*	ROLLER PITCH (mm)*
RT-40B /-ESD	113	34	4	36
RT-40C /-ESD	113	43	4	45
RT-40S /-ESD	127	18	4	20
RT-60B /-ESD	120	30	4	36
RT-60S /-ESD	120	16	4	18

Galvanised Steel (SPCC) / PE



EASYTUBE™ ROLLER TRACKS

CURVED ROLLER TRACK

ITEM	DESCRIPTION	
RS-300 (T1)	Curved roller track, 300 mm length, Roller supports at both ends	
RS-300 (T2)	Curved roller track, 300 mm length, Roller supports only at one (outer) end	
RS-400 (T1)	Curved roller track, 400 mm length Roller supports at both ends	
RS-400 (T2)	Curved roller track, 400 mm length Roller supports only at one (outer) end	
RS-600 (T1)	Curved roller track, 600 mm length Roller supports at both ends	
RS-600 (T2)	Curved roller track, 600 mm length Roller supports only at one (outer) end	
RS-T3	Roller connector for curved roller track	

For a 90 ° curve min. 5 x RS type 1 and 4 x RS type 2 are required.


MOBILE ROLLER MATS

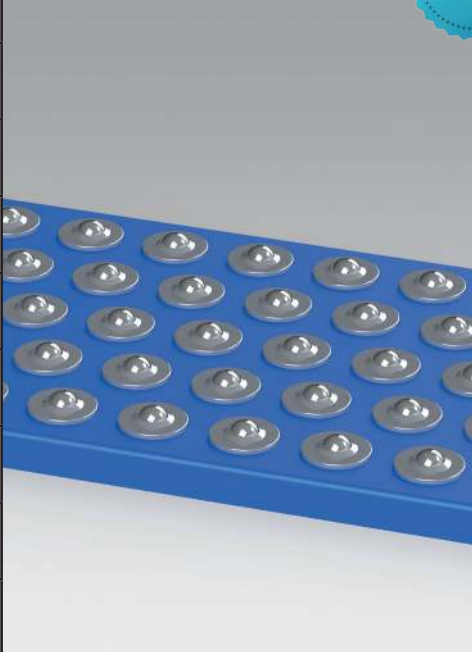
ITEM	DESCRIPTION	
MC-8002	<p>Material: ABS</p> <p>Dimensions: 497 x 105 x 75 mm (Width outside x pitch x height)</p> <p>Max. load capacity: 400 kg/m</p>	

Purchase extend: 4,5 m



EASYTUBE™ ROLLER TRACKS

BALL TRANSFER UNIT		
ITEM	DESCRIPTION	
BT-1	48 x 32 x 21 mm (LxWxH)	
BT-2	70 x 50 x 32 mm (LxWxH)	

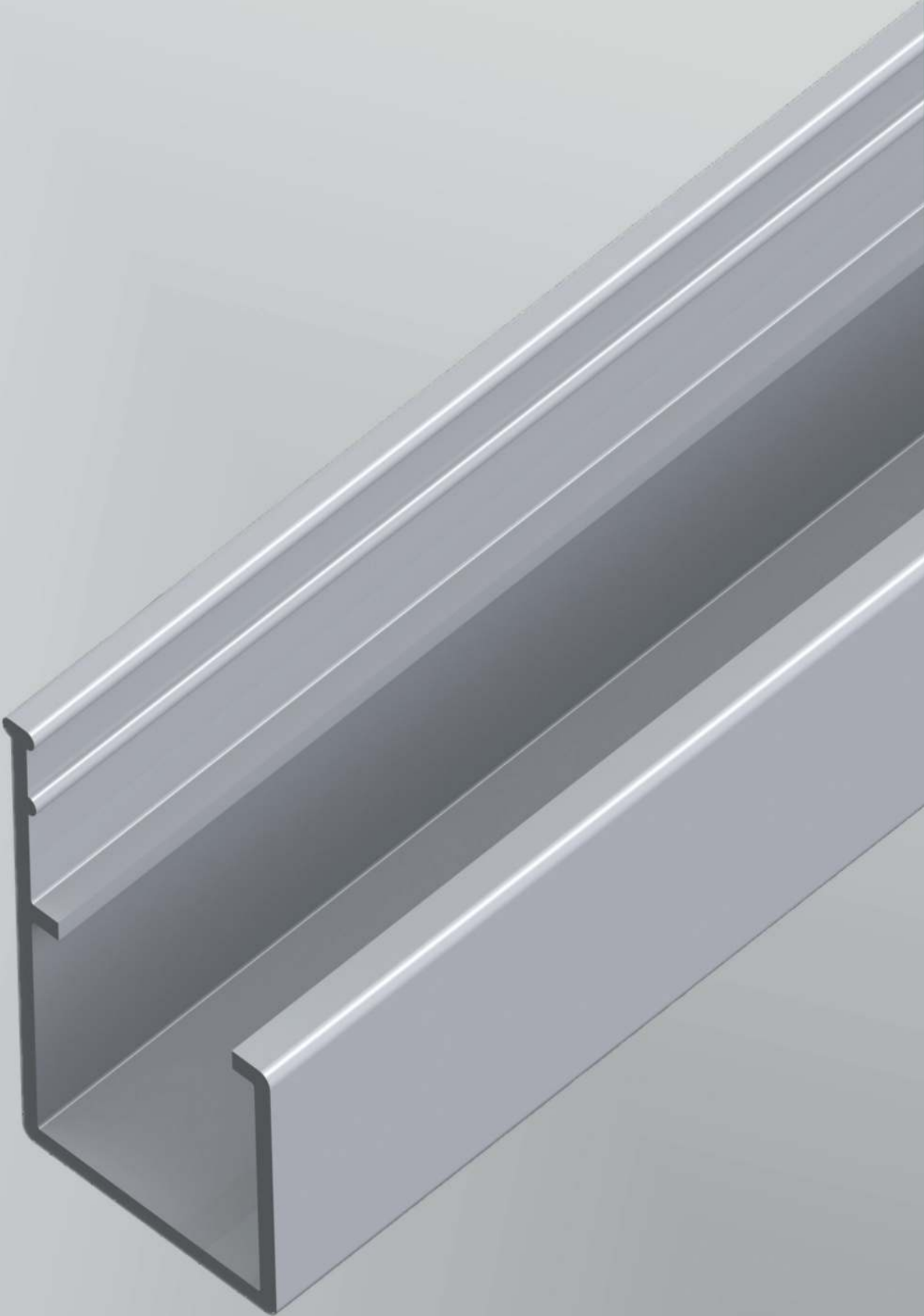
BALL ROLLER TABLES				
ITEM	PITCH	WIDTH	LENGTH	
BTT-mm-mm-mm	60	300	500	
BTT-mm-mm-mm	75	400	600	
BTT-mm-mm-mm	100	500	750	
BTT-mm-mm-mm	125	600	1000	
BTT-mm-mm-mm	150		1250	
BTT-mm-mm-mm	200		1500	
BTT-mm-mm-mm			1750	
BTT-mm-mm-mm			2000	
BTT-mm-mm-mm				

Special dimensions on request
Division denotes the distance between the balls

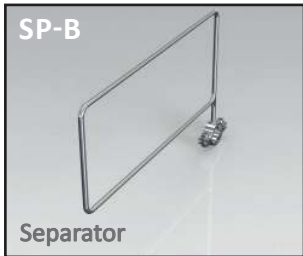
Order designation:
Item - Pitch - Width - Length
e.g.: BTT-75-600-500



EASYTUBE™ ROLLER TRACK GUIDES



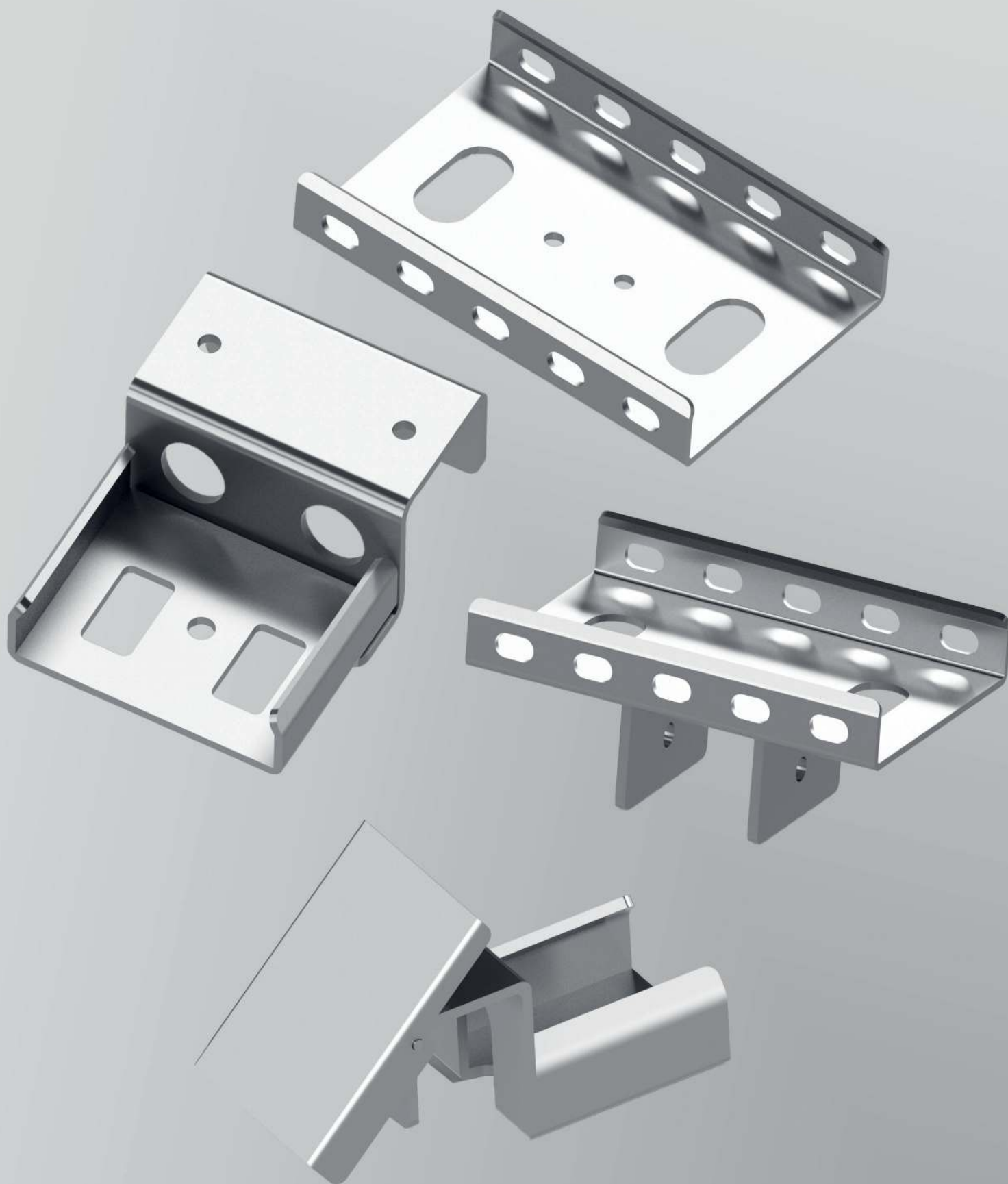
EASYTUBE™ ROLLER TRACK GUIDES



ROLLER TRACK BRAKE

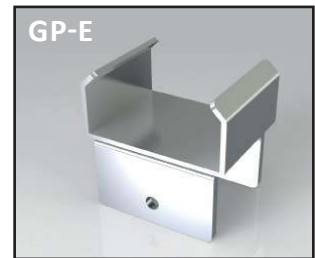
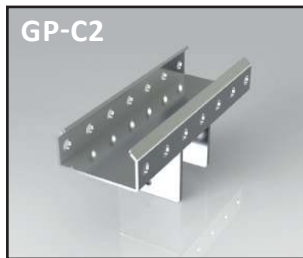


EASYTUBE™ MOUNTING BRACKETS



EASYTUBE™ MOUNTING BRACKETS

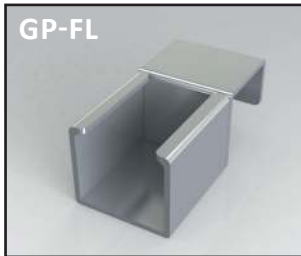
FOR CLAMPING 40 MM ROLLER TRACK TO PIPE (28 MM)



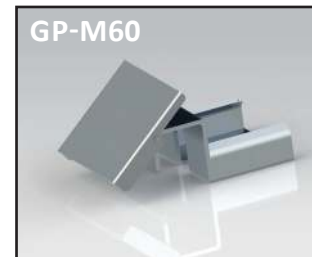
MOUNTING BRACKETS

EASYTUBE™ MOUNTING BRACKETS

FOR CLAMPING 40 MM ROLLER TRACK OVER JOINTS



FOR CLAMPING 60 MM ROLLER TRACK TO PIPE (28 MM)

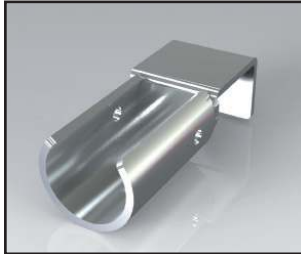


FOR CLAMPING 60 MM ROLLER TRACK OVER JOINTS



EASYTUBE™ MOUNTING BRACKETS

FOR APPLICATIONS USING PIPE



TILT BAR		
ITEM	DESCRIPTION	
TB-300	Tilt Bar, 300 mm length	
TB-400	Tilt Bar, 400 mm length	



EASYTUBE™ MOUNTING BRACKETS



FOR COMBINING ROLLER TRACKS WITH ALUMINUM PROFILES



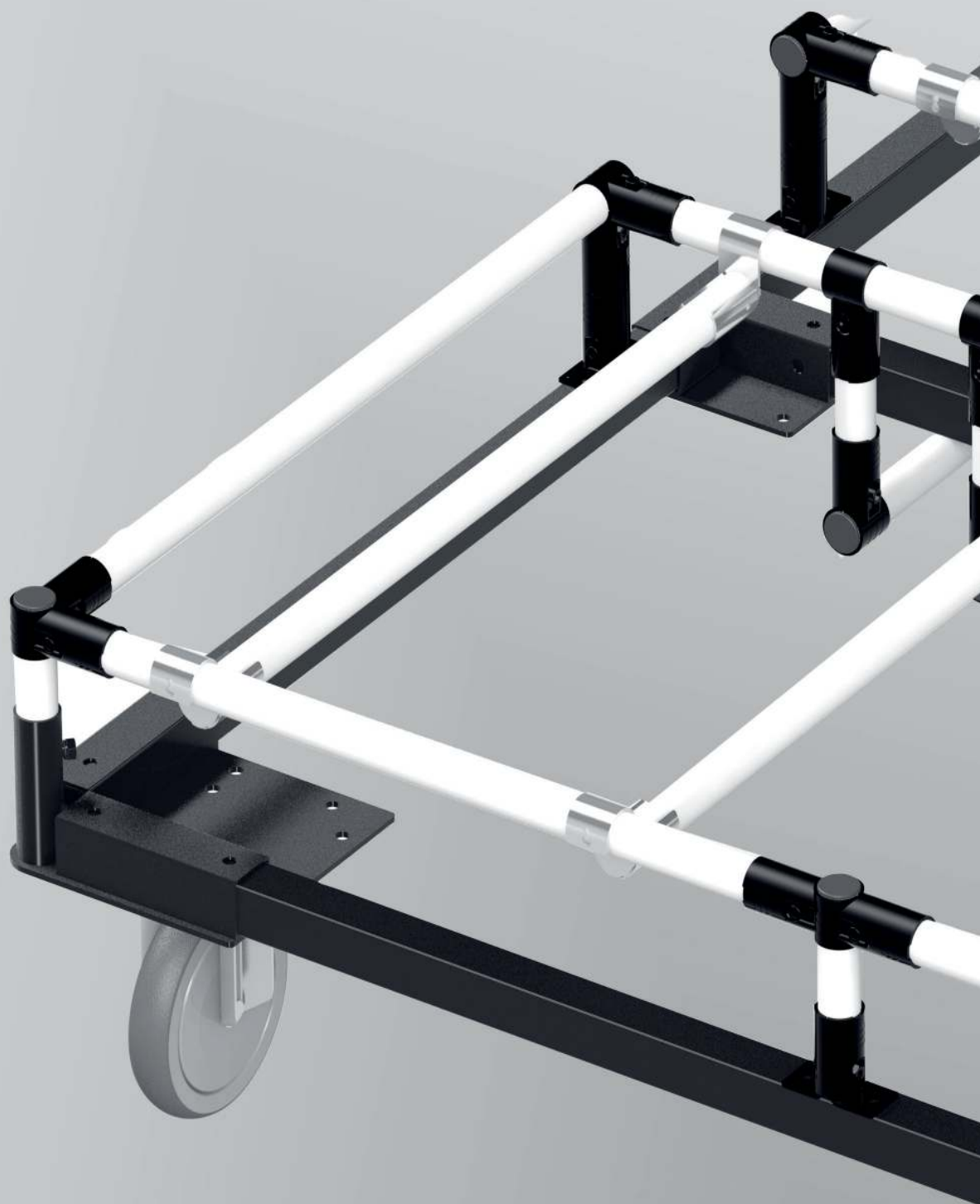
* on request also for 60s and 80s roller conveyors

FOR COMBINING PIPES WITH ALUMINUM PROFILES

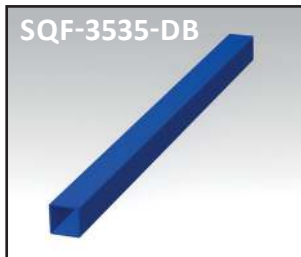




EASYTUBE™ SQUARE FRAMES

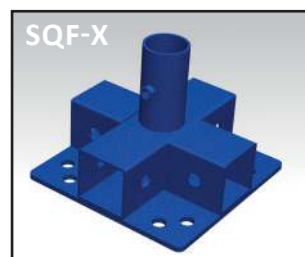
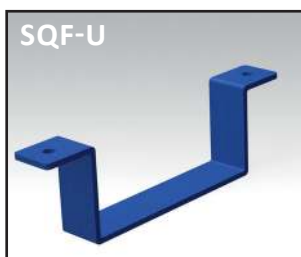
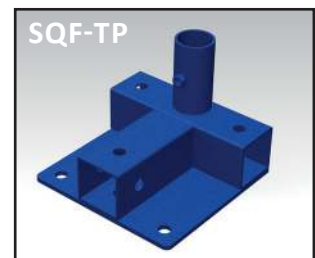
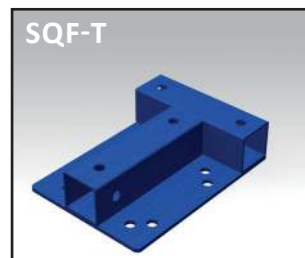
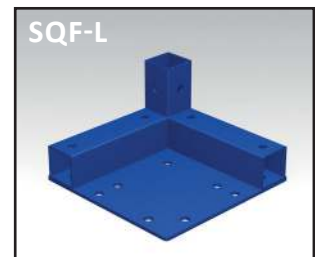
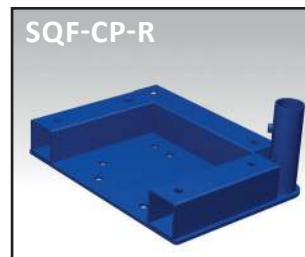
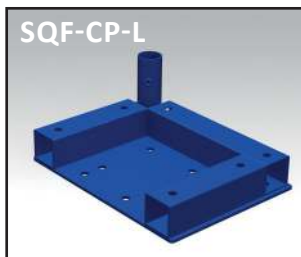
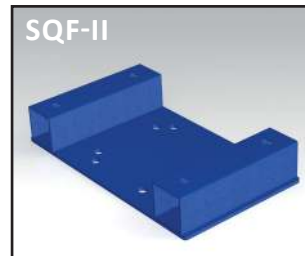
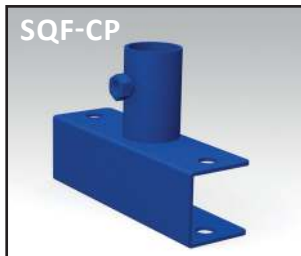


EASYTUBE™ SQUARE FRAMES

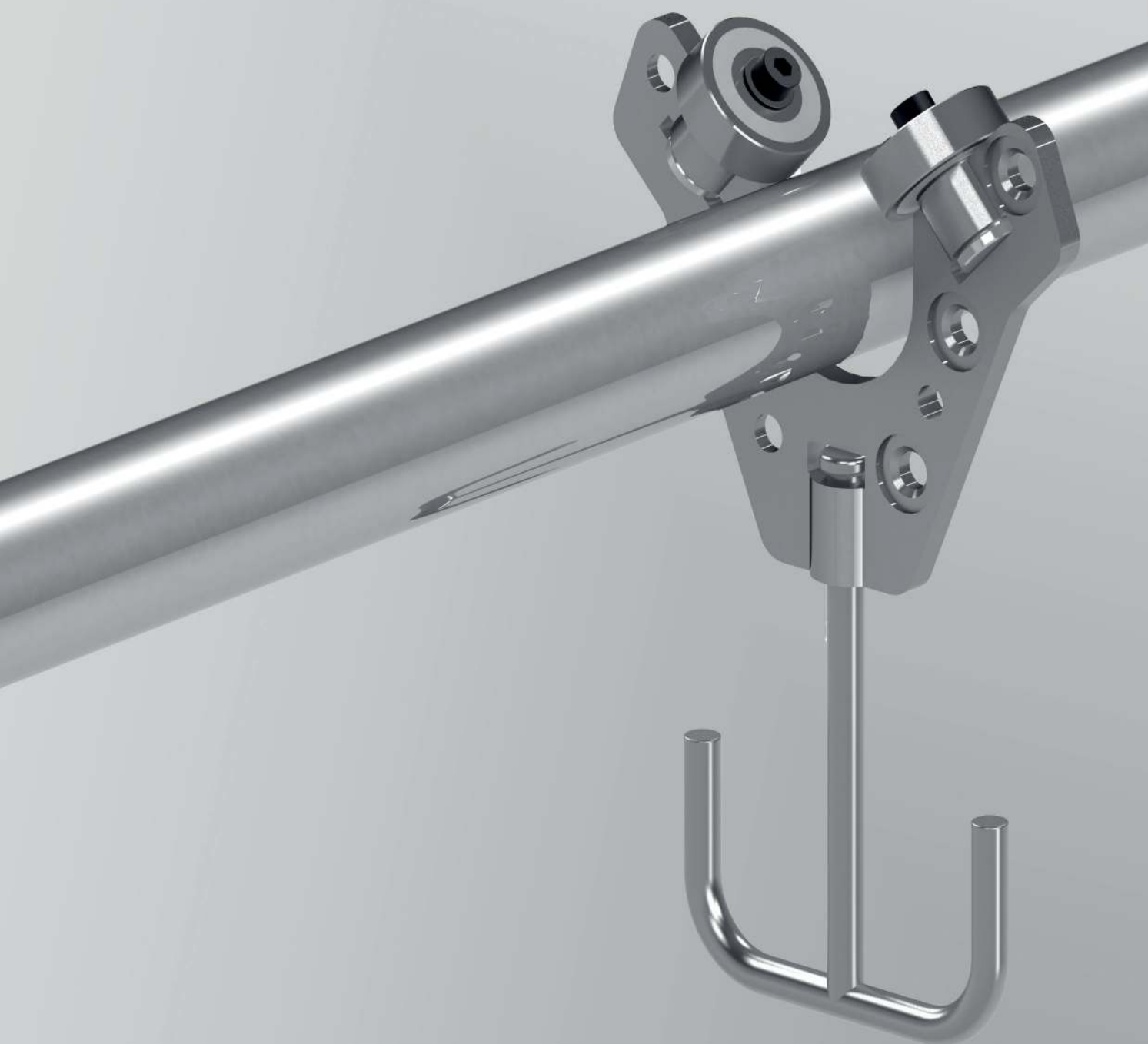


For some applications a rigid frame is necessary - for example when a forklift is used to lift it or when it is part of a train and towed at relatively high speed. In these and similar cases we suggest the use of our square frame system as a base.

It is of course modular, the components are made of high grade welded steel and are easily combined with the pipes and joints to form a hybrid system which is at the same time flexible, strong and easily modified.



EASYTUBE™ MONORAIL



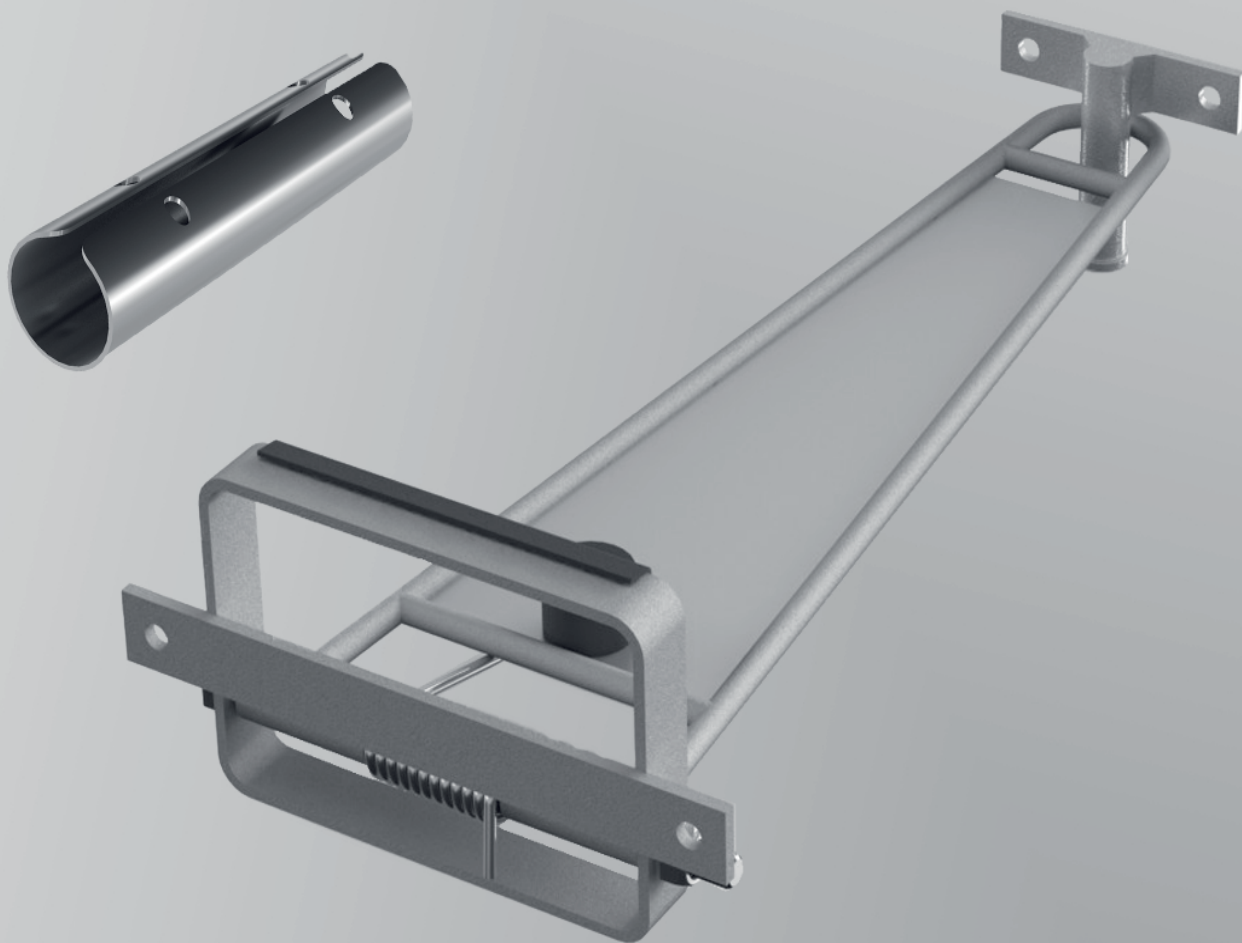
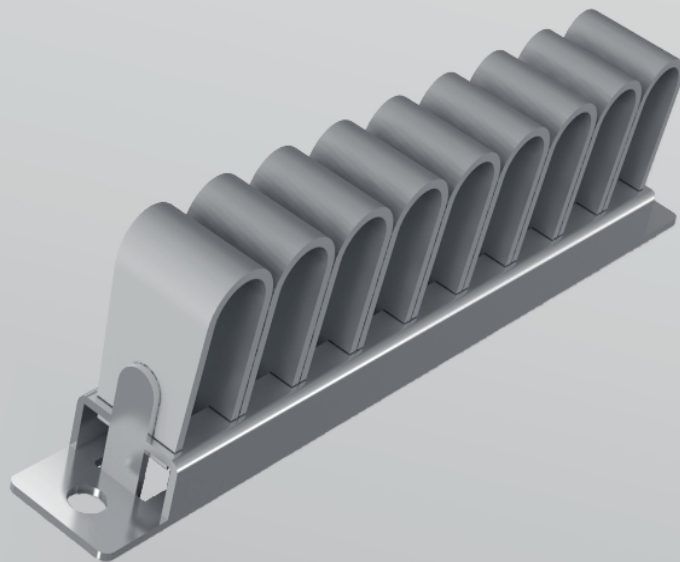
MONORAIL

EASYTUBE™ MONORAIL

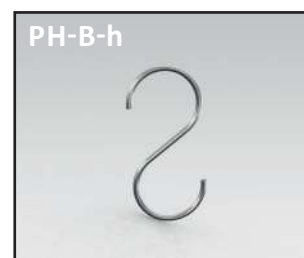


MONORAIL

EASYTUBE™ METAL ACCESSOIRES



EASYTUBE™ METAL ACCESSOIRES



EASYTUBE™ METAL ACCESSORIES



EASYTUBE™ METAL ACCESSOIRES



FLOATING BALANCER

ITEM	DESCRIPTION
SBAL05-15	Hovering balancer 0.5 - 1.5 kg Cable length approx. 1.0 m
SBAL10-30	Hovering balancer 1.0 - 3.0 kg Cable length approx. 1.3 m
SBAL25-50	Hovering balancer 2.5 - 5.0 kg Cable length approx. 1.3 m
SBAL45-90	Hovering balancer 4.5 - 9.0 kg Cable length approx. 1.3 m



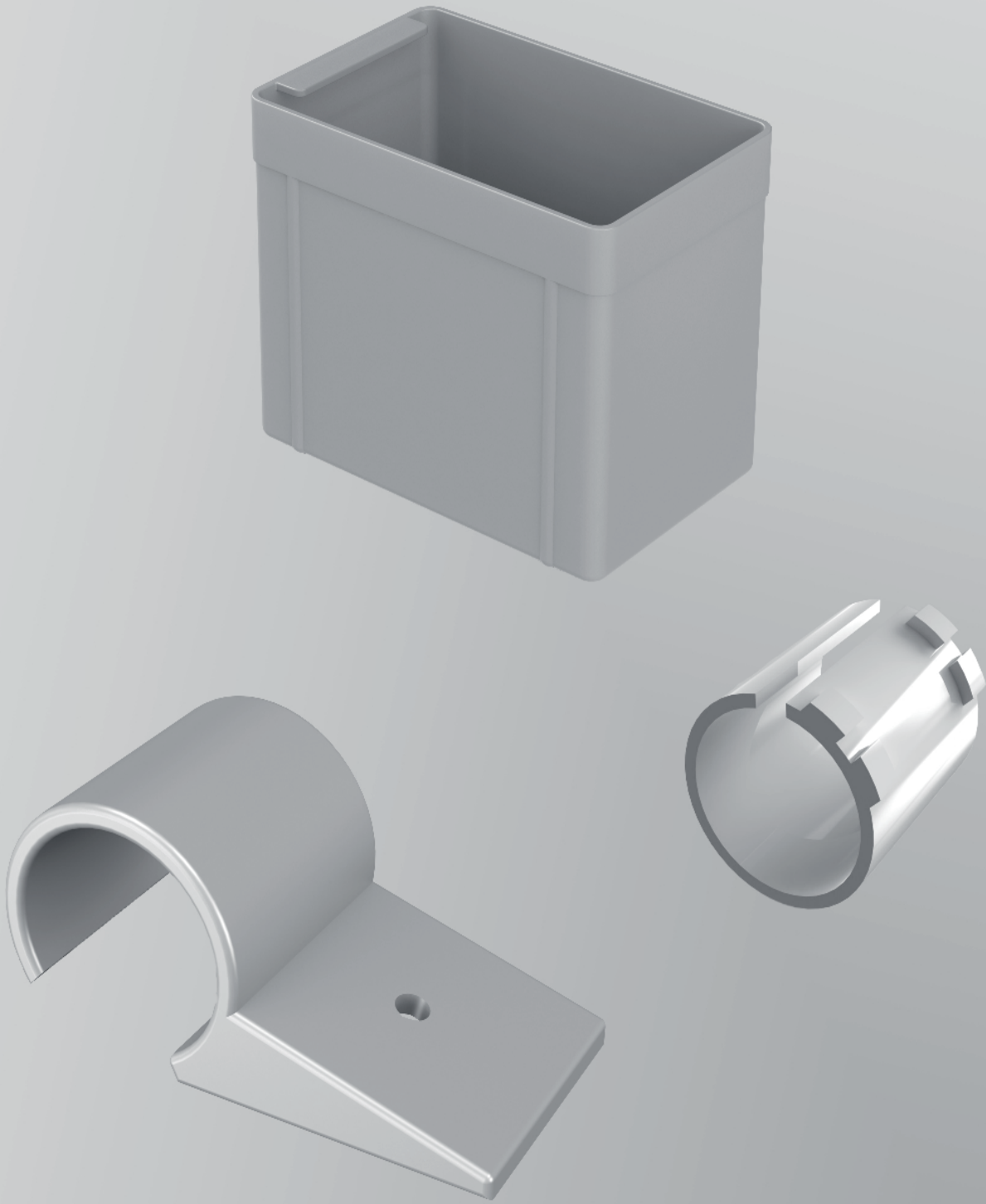
*further balancers on request



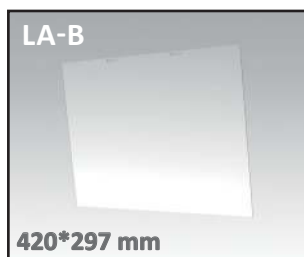
SPRING BALANCER

ITEM	DESCRIPTION
BAL05-15	Spring balancer 0.5 - 1.5 kg Cable length approx. 2.0 m
BAL10-20	Spring balancer 1.0 - 2.0 kg Cable length approx. 2.0 m
BAL20-35	Spring balancer 2.0 - 3.5 kg Cable length approx. 2.0 m
BAL30-60	Spring balancer 3.0 - 6.0 kg Cable length approx. 2.0 m
BAL50-85	Spring balancer 5.0 - 8.5 kg Cable length approx. 2.0 m
BAL80-110	Spring balancer 8.0 - 11.0 kg Cable length approx. 2.0 m





EASYTUBE™ PLASTIC ACCESSOIRES



EASYTUBE™ PLASTIC ACCESSORIES



STORAGE BOXES



ITEM	DESCRIPTION	
OB-111	Outside dimensions 137 x 87 x 110 mm made of PP plastic	
OB-6161	Outside dimensions 140 x 90 x 80 mm 5 kg load capacity, stackable	

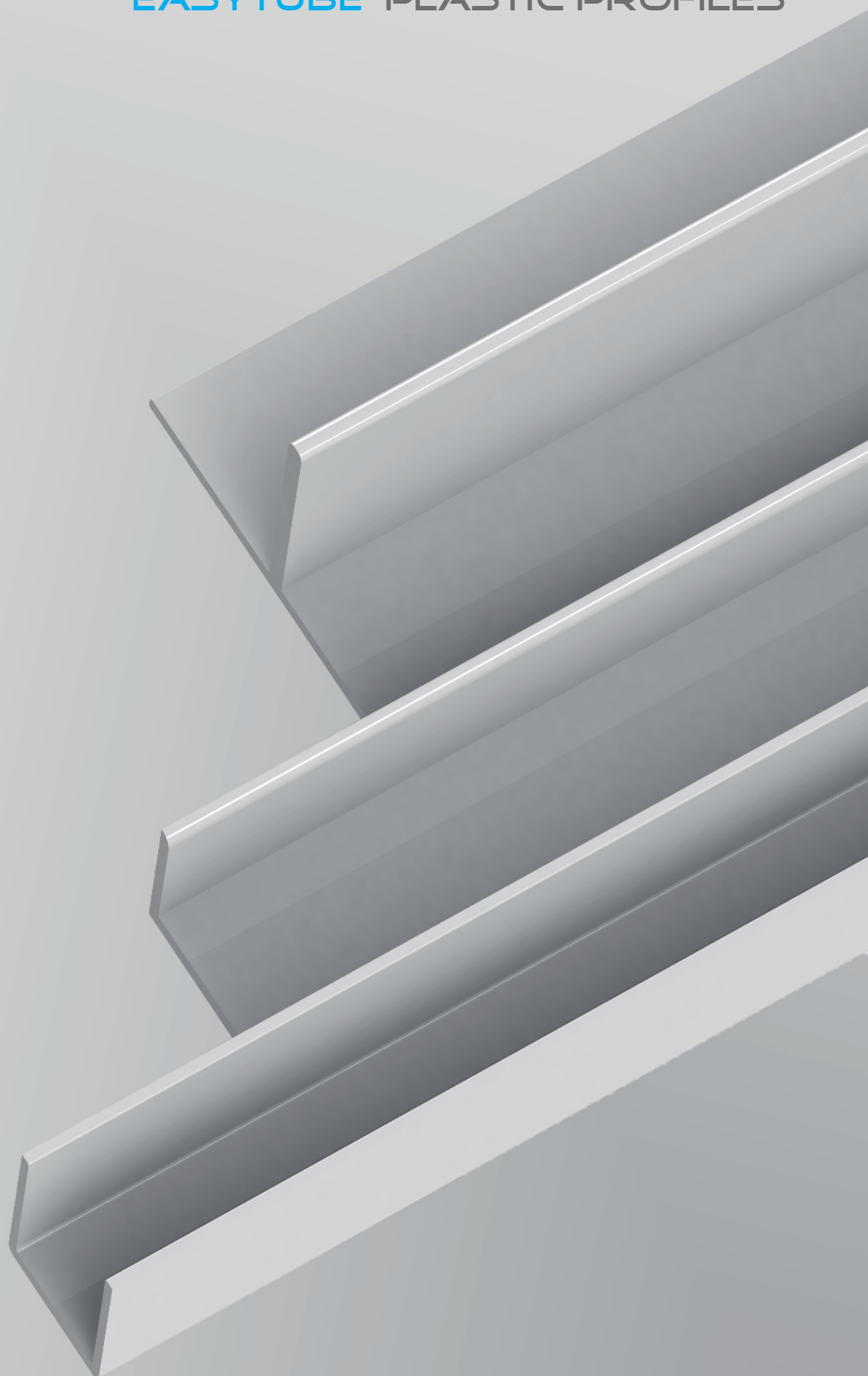
OPEN FRONTED STORAGE BOXES



ITEM	DESCRIPTION	
SLK-211	External dimensions 168 x 103 x 76 mm made of PP plastic	
SLK-221	Outside dimensions 234 x 150 x 122 mm made of PP plastic	
SLK-TF-5	Outside dimensions 175 x 100 x 75 mm made of conductive polypropylene	
SLK-TF-4	Outer dimensions 235 x 145 x 125 mm made of conductive polypropylene	




EASYTUBE™ PLASTIC PROFILES




EASYTUBE™ PLASTIC PROFILES

L-TYP		
ITEM	DESCRIPTION	
AL-1-LG	30 x 50 x 3.3mm, grey, 4m long	
AL-5-LG	50 x 50 x 5mm, grey 4m long	

T-TYP		
ITEM	DESCRIPTION	
AT-1-LG	100 x 55 x 4mm, grey, 4m long	

U-TYP		
ITEM	DESCRIPTION	
AU-1-LG	36 x 36 x 3mm, grey, 4m long	

PIPE COVER		
ITEM	DESCRIPTION	
PC-1-IV	Pipe Cover, ivory, 4m long	

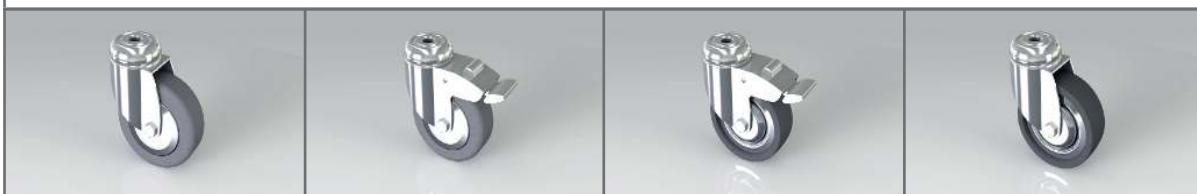
CABLE DUCT		
ITEM	DESCRIPTION	
CD-A	Cable Duct, ivory, 3m long	
CD-B	Cable Duct, ivory, 3m long	

EASYTUBE™ WHEELS & CASTORS



EASYTUBE™ WHEELS & CASTORS

THREAD TYPE



ITEM	HEIGHT	DIAMETER	DYNAMIC LOAD	STATIC LOAD	RIGID	SWIVEL	BRAKE	ESD
TT-75-S	100 mm	75 mm	75 kg	150 kg		✓		
TT-75-S-E	100 mm	75 mm	55 kg	110 kg		✓		✓
TT-75-S-B	100 mm	75 mm	75 kg	150 kg		✓	✓	
TT-75-S-B-E	100 mm	75 mm	55 kg	110 kg		✓	✓	✓
TT-100-S	135 mm	100 mm	100 kg	200 kg		✓		
TT-100-S-E	135 mm	100 mm	80 kg	160 kg		✓		✓
TT-100-S-B	135 mm	100 mm	100 kg	200 kg		✓	✓	
TT-100-S-B-E	135 mm	100 mm	80 kg	160 kg		✓	✓	✓

Key: S = swivel; B = with brake; E = ESD

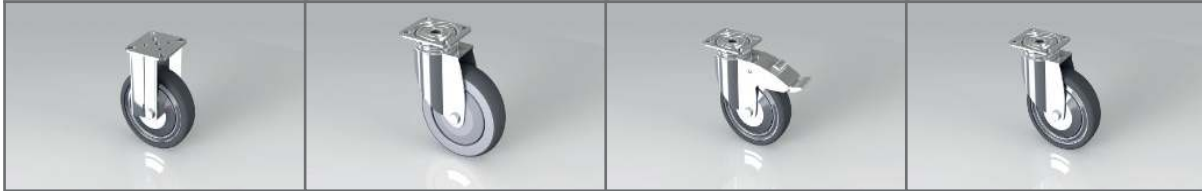
*M12x25 screws and SW12 spring washers included

High precision cone ball-bearing



EASYTUBE™ WHEELS & CASTORS

PLATE TYPE



ITEM	HEIGHT	DIAMETER	DYNAMIC LOAD	STATIC LOAD	RIGID	SWIVEL	BRAKE	ESD
PT-100-R	135 mm	100 mm	100 kg	200 kg	✓			
PT-100-R-E	135 mm	100 mm	80 kg	160 kg	✓			✓
PT-100-S	135 mm	100 mm	100 kg	200 kg		✓		
PT-100-S-E	135 mm	100 mm	80 kg	160 kg		✓		✓
PT-100-S-B	135 mm	100 mm	100 kg	200 kg		✓	✓	
PT-100-S-B-E	135 mm	100 mm	80 kg	160 kg		✓	✓	✓
PT-125-R	160 mm	125 mm	100 kg	200 kg	✓			
PT-125-R-E	160 mm	125 mm	100 kg	200 kg	✓			✓
PT-125-S	160 mm	125 mm	100 kg	200 kg		✓		
PT-125-S-E	160 mm	125 mm	100 kg	200 kg		✓		✓
PT-125-S-B	160 mm	125 mm	100 kg	200 kg		✓	✓	
PT-125-S-B-E	160 mm	125 mm	100 kg	200 kg		✓	✓	✓
PT-160-R	200 mm	160 mm	350 kg	700 kg	✓			ONLY FOR USE WITH SQUARE FRAME
PT-160-S	200 mm	160 mm	350 kg	700 kg		✓		
PT-160-S-B	200 mm	160 mm	350 kg	700 kg		✓	✓	
Key: S = swivel; B = with brake; E = ESD R = rigid								
High precision cone ball-bearing								

As well as the standard products shown here, easytube supplies very many special castors for higher speeds, heavier loads or special applications. Please contact us to ensure that you receive the castors most suited to your construction.

EASYTUBE™ WHEELS & CASTORS

ATTACHING STRIPS FOR PLATE TYPE WHEELS

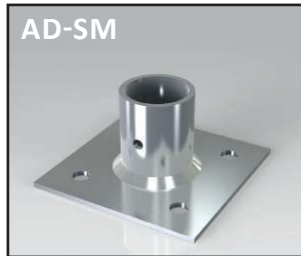


COMPATIBLE ATTACHMENTS FOR ROLLERS AND WHEELS WITH MOUNTING PLATE ON...							
... TUBULAR FRAMES							
ITEM	SCREW M835-WH	SCREW M840-WH	NUT NN08-WH	SPRING SW08-WH	BRACKETS CM-100	BRACKETS CM-200	BRACKETS CM-300
PT-100	x		x	x	x	x	x
PT-125	x		x	x	x	x	x
PT-160	x		x	x			x
... SQUARE FRAME							
PT-160		x	x	x			



EASYTUBE™ FEET

EASYTUBE™ FEET



EASYTUBE™ CAPS & BUSHING NUTS

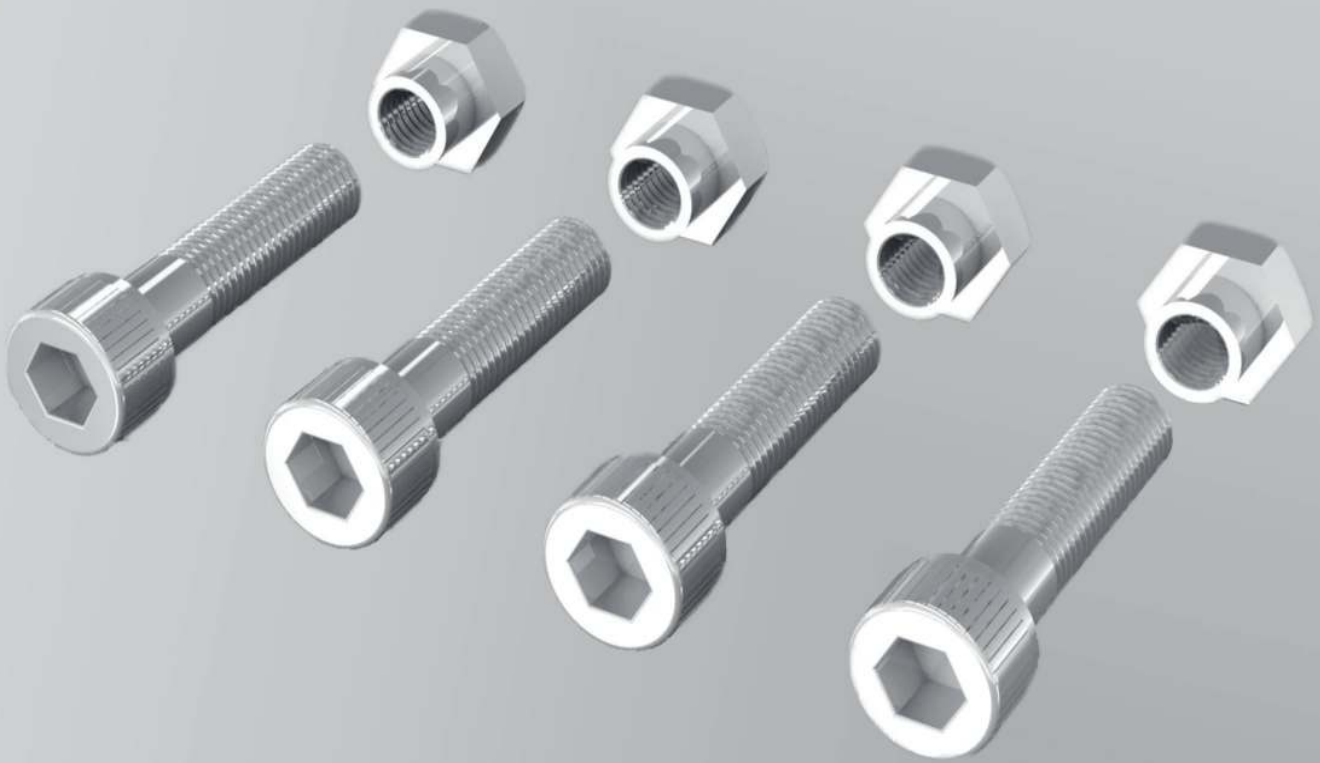


EASYTUBE™ CAPS & BUSHING NUTS



BUSHINGS		
ITEM	DESCRIPTION	
BS-2810-B	For Plastic Coated Pipe t = 1.0 mm, Thread M12	
BS-2810-F	For Plastic Coated Pipe t = 1.0 mm, Thread M10	
BS-2812-B	For Stainless Steel and Powder Coated Pipe t = 1.2 mm, Thread M12	
BS-2820-B	For Plastic Coated Pipe t = 2.0 mm, Thread M12	

EASYTUBE™ FASTENERS



EASYTUBE™ FASTENERS

BOLTS		
ITEM	DESCRIPTION	
M0625-BK	M6 bolt, 25 mm, black	
M0625-WH	M6 bolt, 25 mm, galvanised white steel	
M0610-BK	M6 bolt, 10 mm, black	
M0610-WH	M6 bolt, 10 mm, galvanised white steel	
M835-WH	M8 bolt, 35 mm, galvanised white steel	
M12-WH	M12 bolt, 25 mm, galvanised white steel	

SCREWS		
ITEM	DESCRIPTION	
SC-1	Self cutting screw, 3.9 x 13 mm, x-head, for use with metal , DIN 7504-O-3,9x13ZN	
SC-2	Self cutting screw, 4.2 x 19 mm, x-head, for use with wood, DIN 7997/4.2x19ZN	
RIV-1	Blind rivet alu/steel 4.8 x 16 mm; diameter = 16mm	

EASYTUBE™ FASTENERS

NUTS		
ITEM	DESCRIPTION	
TN06-BK	T-Nut, M6, black finished steel	
TN06-WH	T-Nut, M6, galvanised white steel	
TN06L-BK	T-Nut, M6, self locking, black finished steel	
TN06L-WH	T-Nut, M6, self locking, galvanised white steel	
NN08-WH	Nut, M8, galvanised white steel with nylon insert	
N12-WH	Nut, M12, galvanised white steel	

WASHERS		
ITEM	DESCRIPTION	
PW08-WH	M8 Flat washer	
PW12-WH	M12 Flat washer	
SW08-WH	M8 Spring washer	
SW12x25-WH	M12 Spring washer	



EASYTUBE™ CUSTOMISING

CUSTOMISING

EASYTUBE™ CUSTOMISING

WORK SURFACES

EASYTUBE offer work surfaces made-to-measure in a wide variety of materials such as wood, plastic board, various metals or plastic coated surfaces in different colours, either standard finish or conforming to ESD requirements.



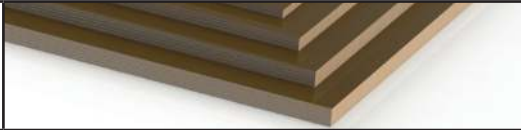






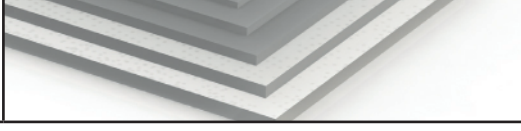
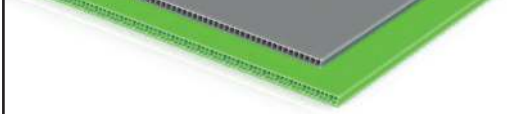
CLADDING

Polypropylene in various colours and either standard or ESD conformal is an ideal material. In some cases - for example where a soft finish is required to avoid scratching a very sensitive surface - we supply a cloth covered polypropylene cellular sheeting material. This can be supplied either as sheet, cut to size or assembled on the rack.



EASYTUBE™ CUSTOMISING

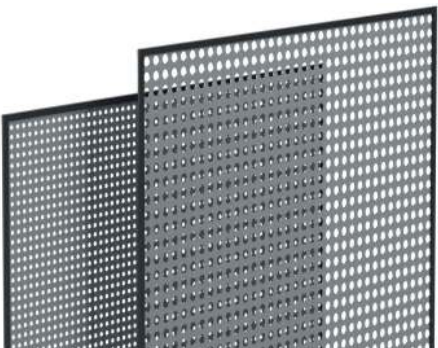


WORK SURFACES		
ITEM	DESCRIPTION	
SDP-mm	Coated Plywood Board, dark brown Thicknesses in mm 09 / 12 / 15 / 18 / 21	
RP-mm	Resopal plate Thicknesses in mm 06	
SP-mm	Chipboards Thicknesses in mm 19 / 28	
MDFP-mm	MDF boards Thicknesses in mm 03 / 06 / 08 / 10 / 12 / 16 / 19 / 22	
SH-mm	Plywood Thicknesses in mm 03 / 04 / 06 / 08 / 10 / 12 / 15 / 18 / 20	
PGP-mm/-E	Acrylic plate / -ESD Thicknesses in mm 02 / 03 / 04 / 05 / 06 / 08 / 10 / 15 / 20	
EAP-mm-E	ESD plates Thicknesses in mm 19 / 20,6	
PGP-mm-E	ESD acrylic plate Thicknesses in mm 03 / 05 / 06 / 08 / 10 / 20	
PPHKP-mm	PP corrugated sheet Thicknesses in mm 05	


EASYTUBE™ CUSTOMISING



PERFORATED STEEL PLATE	
ITEM	DESCRIPTION
SS-mm	Stainless steel, round hole Ø 10 mm Thicknesses in mm: 1 / 1,5
ST-mm	Steel, round hole Ø 10 mm Thicknesses in mm: 1,5
ZPS-mm	Zinc-plated steel, round hole Ø 10 mm Thicknesses in mm: 1,5
KSB	Edge protector, PVC black, 9 mm





DRAWER	
ITEM	DESCRIPTION
DRW-M	Metal drawer
DRW-W	Wooden drawer



* we manufacture drawer sizes according to your wishes

SLIDE RAIL	
ITEM	DESCRIPTION
SR-300	Slide Rail 300 mm Length
SR-350	Slide Rail 350 mm Length
SR-400	Slide Rail 400 mm Length



* Push-To-Open function

EASYTUBE™ PICK-BY-LIGHT





EASYTUBE™ PICK-BY-LIGHT

Pick-by-Light is an excellent way to improve quality in the picking of your products. Identifying the required items with a light signal can considerably reduce picking errors in logistics and the resulting incorrect installations in assembly.

Long-term availability and access confirmation can be assured through the setup of industrial components adapted to your requirements. The Pick-by-Light systems can be retrofitted on all existing EASYTUBE racking. Individual components are exchanged without the use of tools because they are equipped with standard plug contacts.

We offer an intuitive to use and service-friendly Pick-by-Light complete solution with racking system for your business.

Application method

Each picking compartment has a Pick-by-Light component and at least one acknowledgement button. This tells the employee the correct compartment from which the goods are to be removed. When the article is removed, acknowledgement is required by touching the Pick-by-Light component. Based on the Japanese principle of “Poka Yoke”, unintentional errors are thus methodically and systematically avoided even during picking or detected in a timely manner.



EASYTUBE™ PICK-BY-LIGHT

Versions

Pick-by-Light:

The picking order is prepared. Compartments for removal are identified in colour with an indicator. Upon removal, the **Pick-by-Light** component is touched for acknowledgement and the indicator turns off.

Access control:

The picking order is prepared. Compartments for removal are identified in colour with an indicator. When the goods are removed, access is recorded by a camera.

The compartment indicator turns off as soon as the goods have been removed. No additional acknowledgement is required. If one attempts to remove something from the compartment “accidentally”, a red indicator lights up immediately.

FIELDS OF APPLICATION

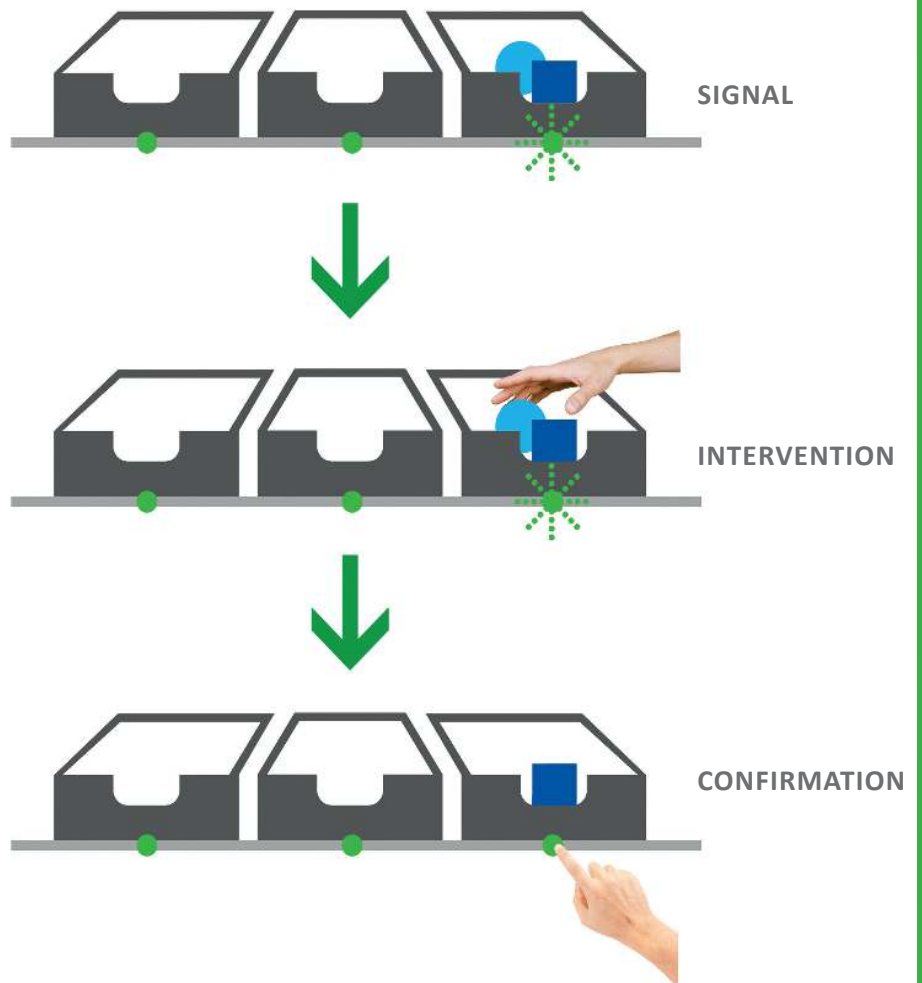
- Assembly and logistics
- Quality assurance
- Fill level monitoring
- Series and pre-series production

Commissioning

- Easy to install below the compartments
- Configuration of the compartment contents via web front-end is possible
- Retrofitting of existing rack systems

OPERATION

- No additional control computer required
- Sending and receiving of telegrams via TCP, UDP and http to higher-level or upstream systems
- OPC connection possible





EASYTUBE™ HEIGHT ADJUSTMENT



HEIGHT ADJUSTMENT

EASYTUBE™ HEIGHT ADJUSTMENT

It is sometimes desirable to be able to alter the working height of a packing table or a workbench. Other applications include raising gates in roller tracks, carts with adjustable levels etc. Easytube offers a solution for every pocket. These can be operated electrically or by means of a hand crank.




EASYTUBE™ HEIGHT ADJUSTMENT

ELECTRIC LIFTING COLUMNS	
ITEM	DESCRIPTION
ELC-2000	Lift 400 mm, installation length (EBL) 595 mm, Fmax. 2000N, 24VDC, velocity 9 mm/s, 6 Pin Molex plug, colour black, limit switch 2 pieces
ELC-1000	Lift 400 mm, installation length (EBL) 520 mm, Fmax. 1000N, 24VDC, velocity 14 mm/s, 6 pin Molex plug, colour aluminium, limit switch 2 pieces
DRIVE:	Linear drive
CABLE SUPPLY LENGTH 1200MM:	1,5 m
DUTY CYCLE:	10%
SYNCHRONOUS WORKING	possible



EASYTUBE™ HIGH ADJUSTMENT



ELECTRIC LIFTING COLUMNS HEXALIFT	
ITEM	DESCRIPTION
HUB-HL-800	Lifting force: 800 N
HUB-HL-1600	Lifting force: 1,600 N
HUB-HL-3200	Lifting force: 3,200 N
	
MAX. LATERAL LOAD	1200 Nm in longitudinal direction static, 500 Nm dynamic 450 Nm in transverse direction static, 255 Nm dynamic
LIFTING SPEED AT 24V WITHOUT LOAD:	V1: 9 mm/s, V 2: 18 mm/s, V3: 9 mm/s V4: 18 mm/s
ENGINE:	Internal direct current drive with built-in limit switches and 2 hall sensors
HALL SENSOR (2-CHANNEL):	0.136 mm / pulse (list from 1 channel)
CABLE SUPPLY LENGTH 1200MM:	Connector 8-pole, cable outlet on the large profile on the side
DUTY CYCLE:	10 % (S3) for periodic operation and max. Load (2 min. ON /18 min. OFF)
INSTALLATION POSITION:	preferably pressing, others by arrangement
SYNCHRONOUS WORKING	up to max. 4 columns possible, lifting forces on request

EASYTUBE™ ENERGY



ENERGY

EASYTUBE™ ENERGY



LIGHTING SYSTEMS

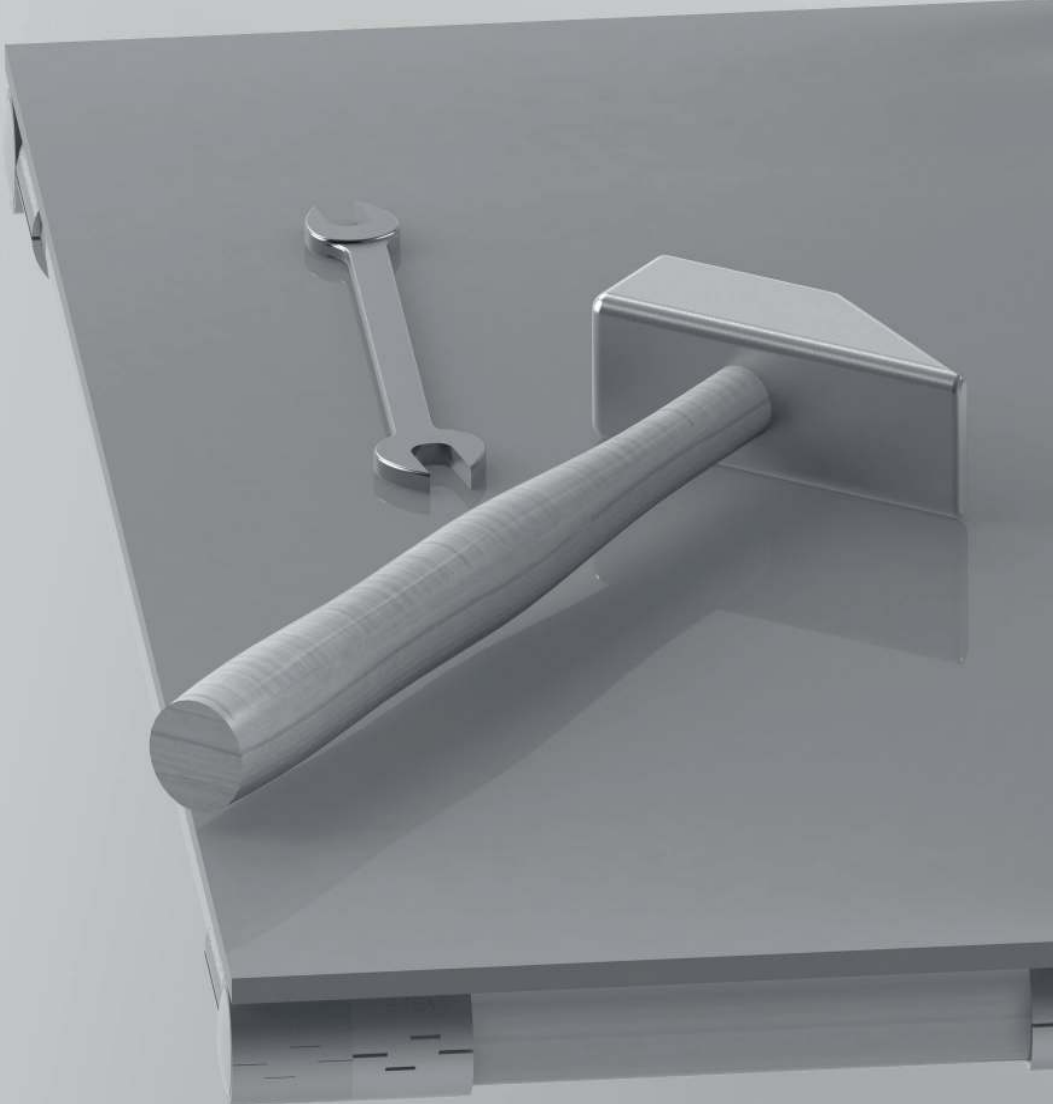
ITEM	DESCRIPTION	
LED-300	Length 300 mm, 8W	
LED-585	Length 585 mm, 14W	
LED-870	Length 870 mm, 21W	
LED-1150	Length 1,150 mm, 28W	
LED-1435	Length 1,435 mm, 35W	
LED-1735	Length 1,735 mm, 42W	
*Optionally also available as infinitely dimmable version		



ENERGY DISTRIBUTER

ITEM	DESCRIPTION	
SDL-04	1.5 m plastic sheathed cable H05W-F 3G 1.5 with safety plug 4-fold socket strip	
SDL-06	1.5 m plastic sheathed cable H05W-F 3G 1.5 with safety plug 6-fold socket strip	
SDL-10	1.5 m plastic sheathed cable H05W-F 3G 1.5 with safety plug 10-fold socket strip	
SV-MD	Input CEE plug 400V, 16A, 5-pole 1 CEE plug 400V, 32A, 5-pole 2 Schuko sockets 230 V, 16A	
SV-EW	Input cable entry with screw cap 4 Schuko sockets 230 V, 16A 1 CEE plug 400V, 16A, 5-pole	

EASYTUBE™ HARDWARE TOOLS



HARDWARE TOOLS

EASYTUBE™ HARDWARE TOOLS



EASYTUBE™ SOFTWARE TOOLS

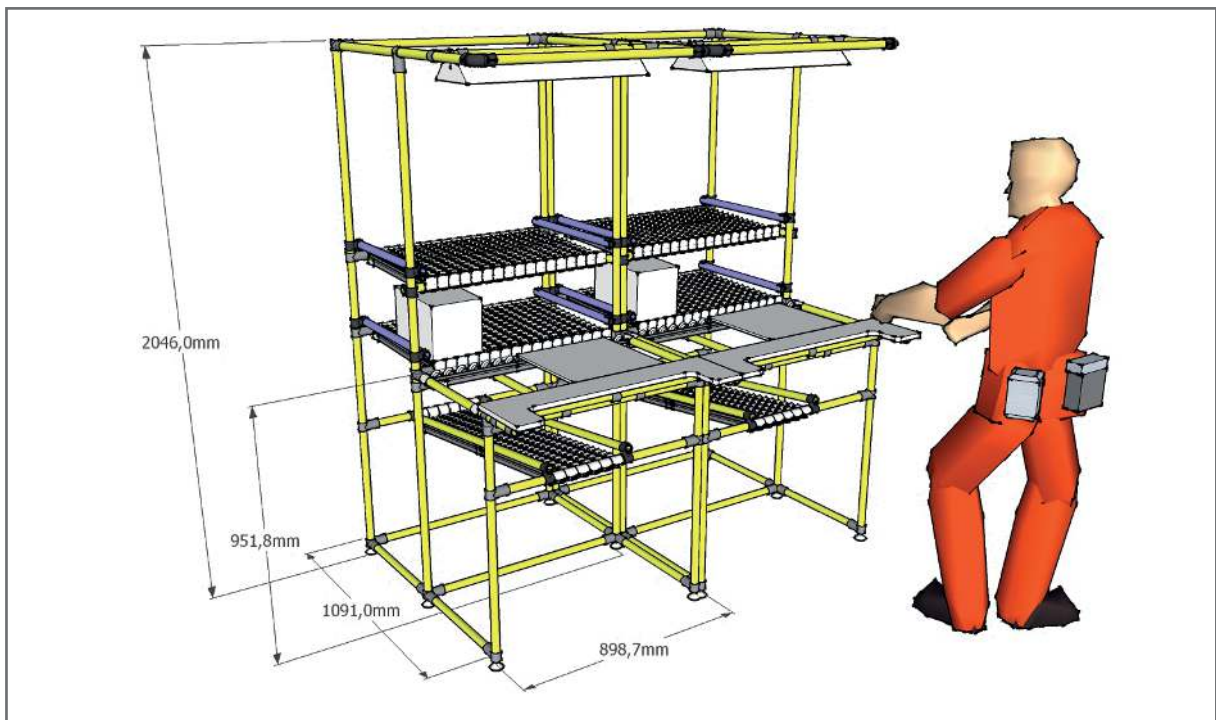
Many customers have expressed the wish to design their structures in CAD form so that the identical racks can be built faster to the same specification. In response to this, Easytube has generated a complete 3D CAD library of all parts in Solid Works and Google SketchUp.

provides a CAD library in different formats depending on requirements. Please contact us for details.

This enables various structures to be generated in CAD with exact measurements, the assemblies can be viewed from all angles, turned and stressed to see the effects of load on the structure and on the parts.

In this way users of **EASTUBE** are sure to respect the requirements of production and of the safety officers.

This enables customers to enter the number and dimensions of pipes required and to obtain a cutting list to reduce waste to a minimum.



STAINLESS STEEL PIPES

What kind of steel are the pipes made of?

Stainless steel tubes are manufactured according to JIS 201 (EU Specification 1.4372, X12CrMnNiN \bar{T} -17-7-5). This type is a non-magnetic steel, very hard and with corrosion resistance optimized for indoor industrial uses. Due to the limited percentage of nickel (3.5 - 5%) it is economical, cheaper but mechanically superior to the 300 family.

How strong is the stainless steel pipe?

The pipe has a wall thickness of 1.2 mm and not the usual 1.0 mm.

PLASTIC-COATED TUBES

What kind of steel is the plastic-coated pipe made of?

Plastic coated tubes are made of carbon steel type SAE1008. They have a thickness of only 1.0mm steel, but not counting the thickness of plastic. An anticorrosive layer inside the tube provides the necessary protection. Plastic coating consists of virgin and non-recycled material.

How is the plastic bonded to the steel pipe?

The plastic-coated pipe is bonded with an adhesive. Often this step is skipped to save costs.

POWDER-COATED TUBES

What kind of steel are the powder-coated tubes made of?

Many suppliers only use normal lacquers and no epoxy powder coating. This can easily be scraped off again and the pipes start to rust. Our powder coated pipe has a very hard and scratch resistant hammer finish. This is electro-deposited and baked on. Our steel type is SAE1008.

JOINTS

What material are the black clamps made of?

The joints are made of carbon steel JIS G 3131 SPHC 2.6mm thick. They are coated with an epoxy powder in an electrolytic process that gives superior resistance to scratches, wear and corrosion in comparison with traditional lacquers. Our joints do not open, even if they are too tight at 18 Nm.

What material are the nickel-plated joints made of?

Nickel-plated joints are made of the same carbon steel JIS G 3131 SPHC 2.6mm as the black joints in a copper-plated electrolytic process and then nickel-plated to give an electrically conductive surface and resistant to corrosion. All our joints are very resistant to deformation according to the corresponding thickness of 2.6 mm.

The maximum load capacity of the joints were been tested by the Technical University of Munich.

EASYTUBE™ FAQs

How are the roller conveyors made?

The frame of the roller conveyor is 1.0 mm thick and shaped to provide maximum resistance to twisting. For maximum efficiency in production, the roller distance has been minimized to ensure the smallest possible distance. The roller axles are made of 4 mm solid steel.



EASYTUBE™ LEGEND

BK	black
EB	ESD black
GY	grey
IV	ivory
NI	nickel plated
WH	white
YE	yellow
GR	green
RE	red
DB	dark blue
LB	light blue
LG	light grey
DG	dark grey

Errors and omissions excepted.

We retain the right to change design and applications, photographs and drawings in line with our continuous improvement policy.