



TURN SPACE INTO VALUE

FOODSERVICE PRODUCTS

**MEAT RAIL
AND HANGERS**



ALUMINUM MEAT RAIL SYSTEM

Made of high strength aluminum

20 micron anodized

Tailor made

Extremely easy to assemble

Uprights with adjustable base for perfect alignment

Hook capacity 150 / 300 kg (330 / 660 lb) each



Simplex meat rail



"THE ORIGINAL"

1946
Tonon's first meat rail
Mod. T50 made of steel

...Meat Rails since 1946



Aluminum self bearing structure



350 kg (770 lb) load capacity per linear metre



Stainless steel nuts and bolts

SIMPLEX MEAT RAIL FOR MEAT HANDLING AND STORAGE

Handling big weights without effort

Simplex meat rail can handle and store big animal carcasses in a cold room without any effort for the operator.

Tailor-made design and construction

This innovative transport system is suitable for small butcher shops as well as big supermarkets or wholesale food warehouses. All this thanks to the modular system of Simplex meat rail allowing our technical department, during the design phase, to optimize the space available making it suitable for any environment.

Hygiene certification

Simplex meat rail is stainless by default. The high quality thermoplastic is non-toxic, aluminum is 20 micron anodized and all nuts and bolts are made of stainless steel.

Safety first

Simplex meat rail can handle and store big animal carcasses, reaching a load capacity of up to 505 lbs/ft. (700 kg/m). Operators can work safely throughout the complete line.

Eye catching

Simplex meat rail is not only robust but also harmonious. Every detail has been designed to give continuity to the whole structure. The black / silver give an elegant and sophisticated touch.

Quick and easy assembly

Simplex meat rail is just a "simple" system. The modularity allows versatility and adjustments even during the installation.

Retrofittable

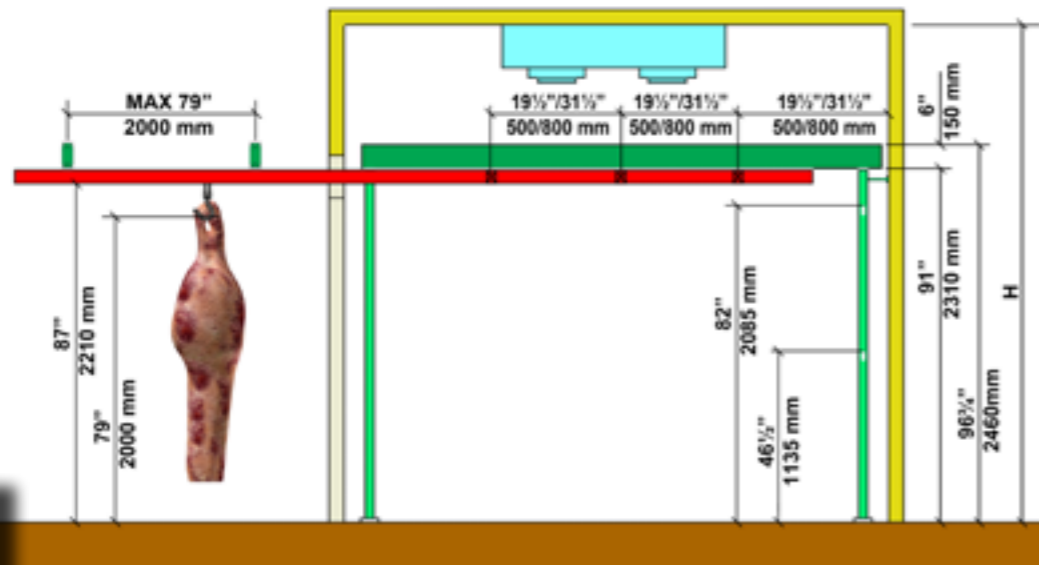
Simplex meat rail allows additions, replacements and adjustments even after many years.

High quality / price ratio

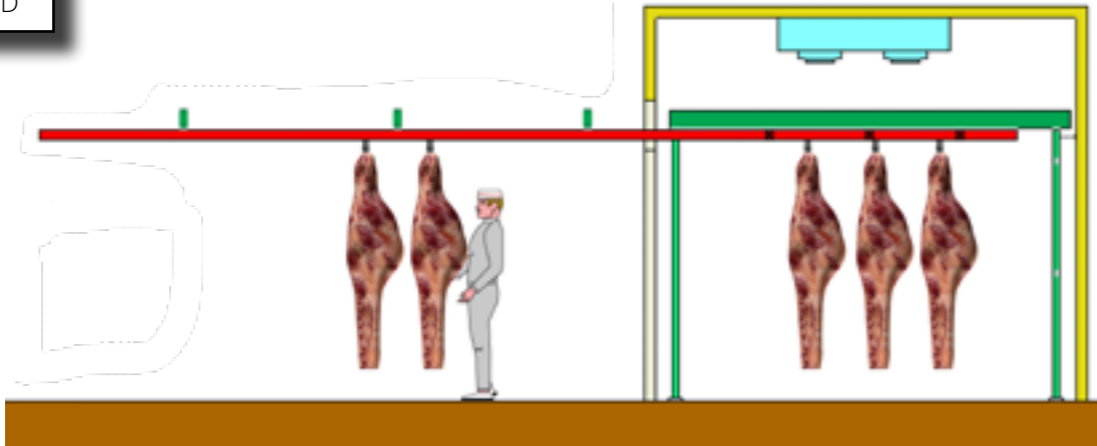


MEAT RAIL DIMENSIONS

COLD ROOM DIMENSIONS

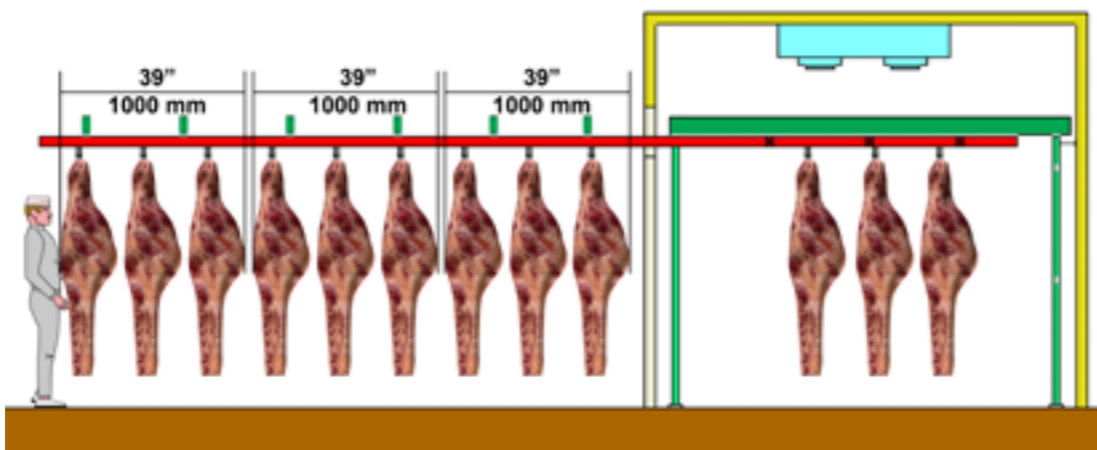


MEAT RAIL LOADING PLAN



External coldroom
TRANSIT ONLY, MAX 2 pulleys

Inner cold room 350 kg/m
(235 lb/ft) STORAGE



External coldroom
350 kg/m (235 lb/ft) - TRANSIT AND STORAGE

Inner cold room 350 kg/m
(235 lb/ft) STORAGE



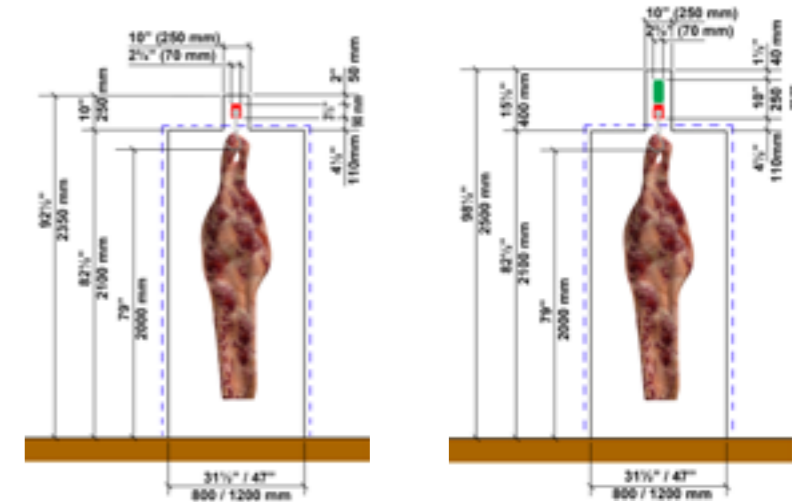
Meatrail 3D

PRELIMINARY QUESTIONNAIRE FOR QUOTATION OF SIMPLEX MEAT RAIL SYSTEM



Load capacity pulley
150 kg
(330 lb)

N° pulleys



Suitable for quarter beef

H 2000 mm (79") H 2100 mm (82 1/2")

For more than 150 kg (330 lb) load capacity, refer to Silver/Gold meat rail



Load capacity pulley
300 / 700 kg
660 / 1543 lb

Hook's height
H 2850 / 3000 mm (112" / 118")



Load device with security system

Terminal Central
n° n°



Lowering rail section

Distance from meat rail
..... mm



Electronic scale - Length mm

Pre-Arrangement Not Certified
 only certified
n° n° n°



Device for pulley block on rail

n°



Folding shelf width 375 mm (15")

Poliethylene Aluminum
n° n°

Hooks for framework,
bar dimensions 75x25 mm
(3"x1")

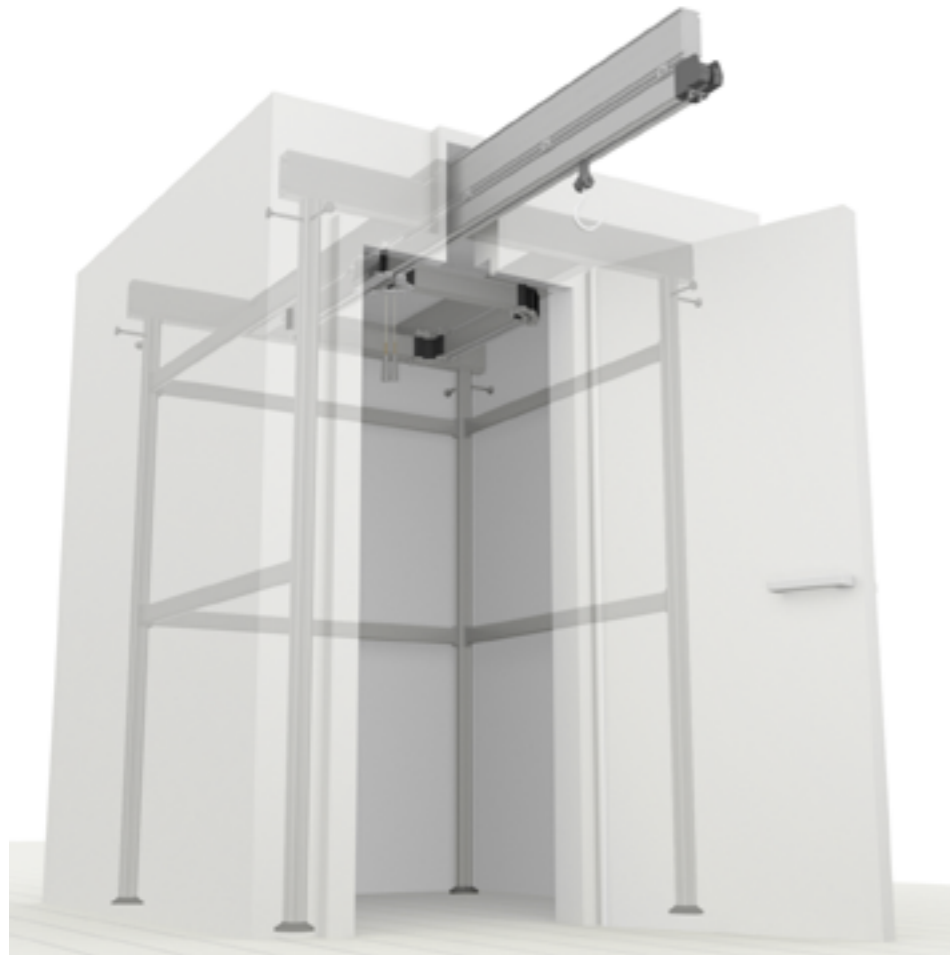
"S" shape hook 160 x 6 mm
(6 1/4" x 1/4")
n°

Thermoplastic hook
50 kg (110 lb)
load capacity
n°

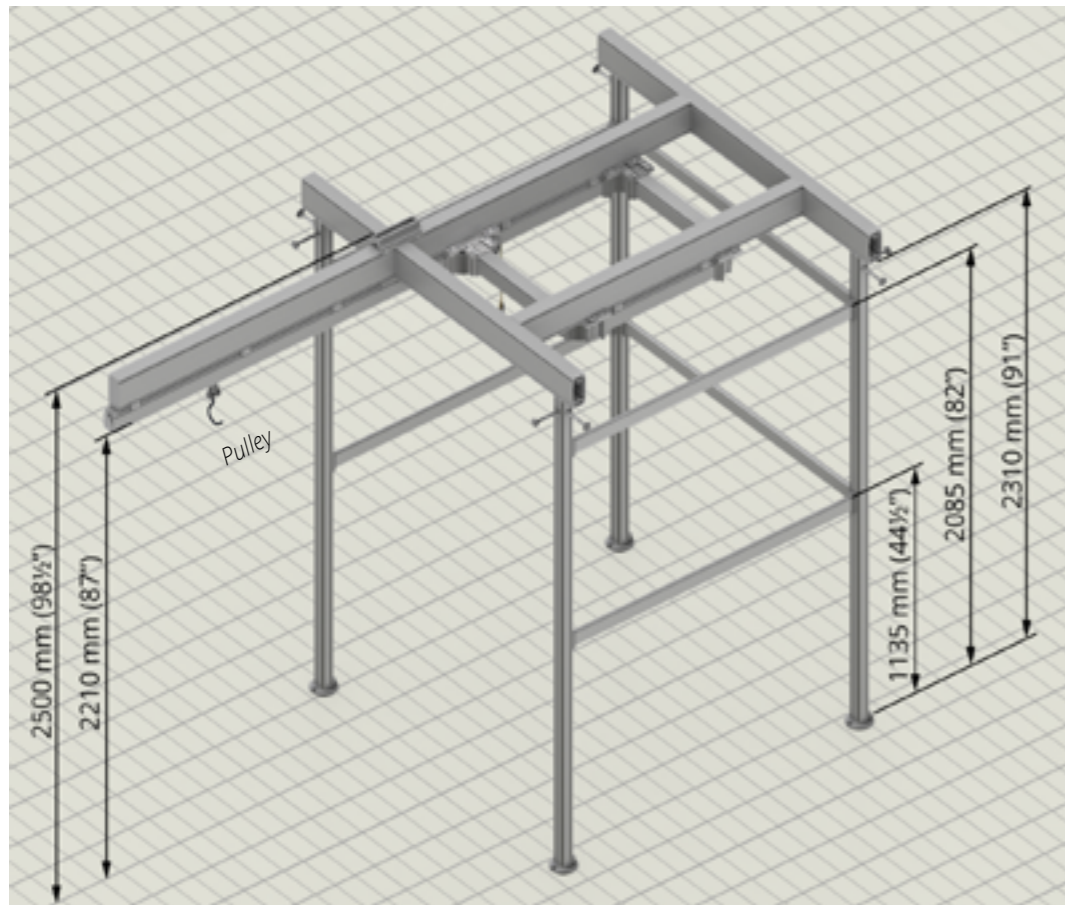
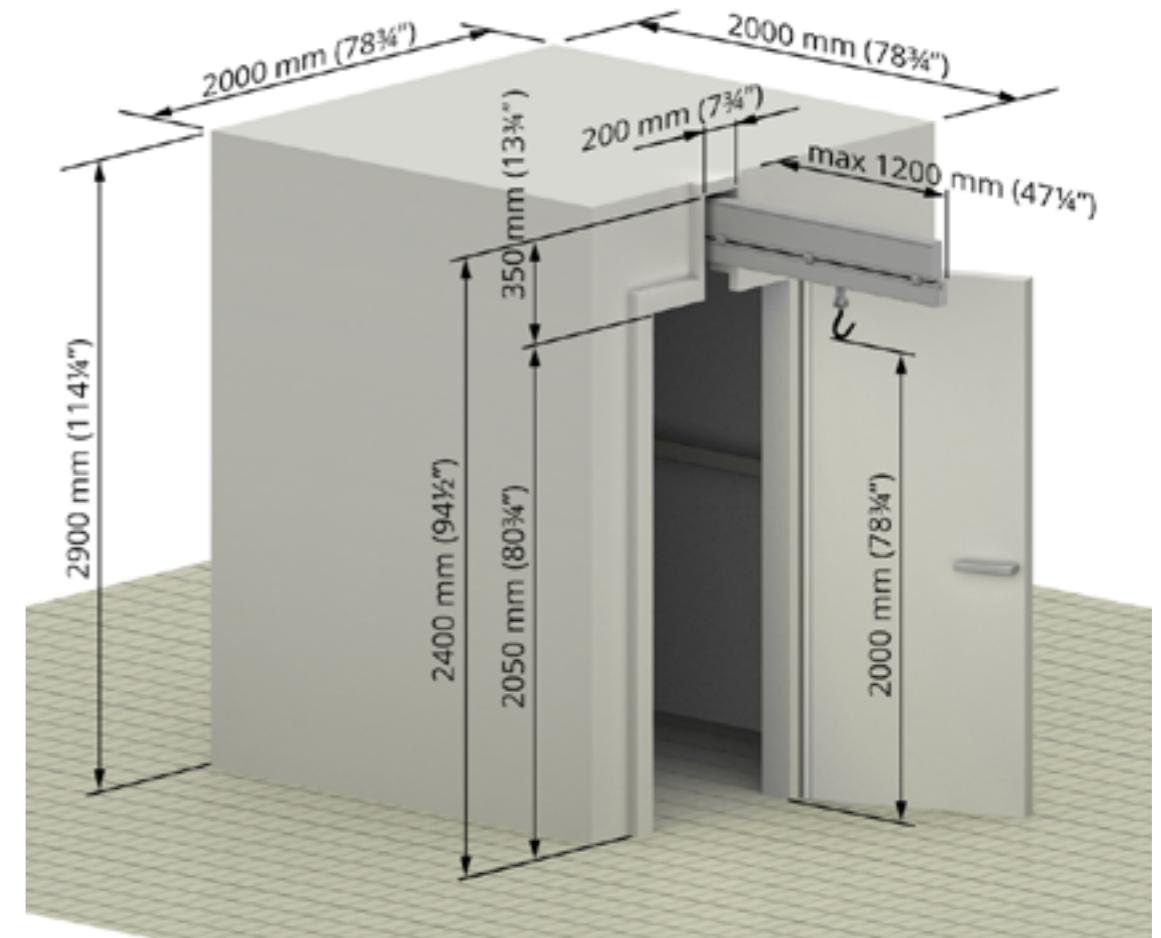
Thermoplastic hook
110 kg (220 lb)
load capacity
n°

SIMPLEX "STANDARD" MEAT RAIL FOR COLDROOM

SIMPLEX "STANDARD" MEAT RAIL FOR COLDROOM



Height specifications	
Hook	2000 mm (79")
Under meat rail	2210 mm (87")
Under beam	2310 mm (91")
Upper hanger	2085 mm (82")
Lower hanger	1135 mm (44½")
Max Structure	2500 mm (98½")



WITH SELF BEARING EXTERNAL RAIL

Coldroom external dimensions: 2000x2000 mm (78¾" x 78¾") without floor. Coldroom capacity: 9 quarter beef or half pork.

The Simplex meat rail is made in 20 micron anodized aluminum. When placing the order you can request the adjustable bases for uprights. Load capacity for each pulley is 150 kg (330 lb). Easy to assemble.



Aluminum rail and beam



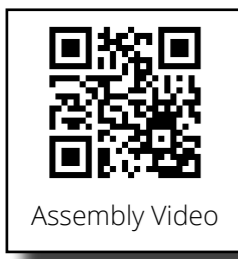
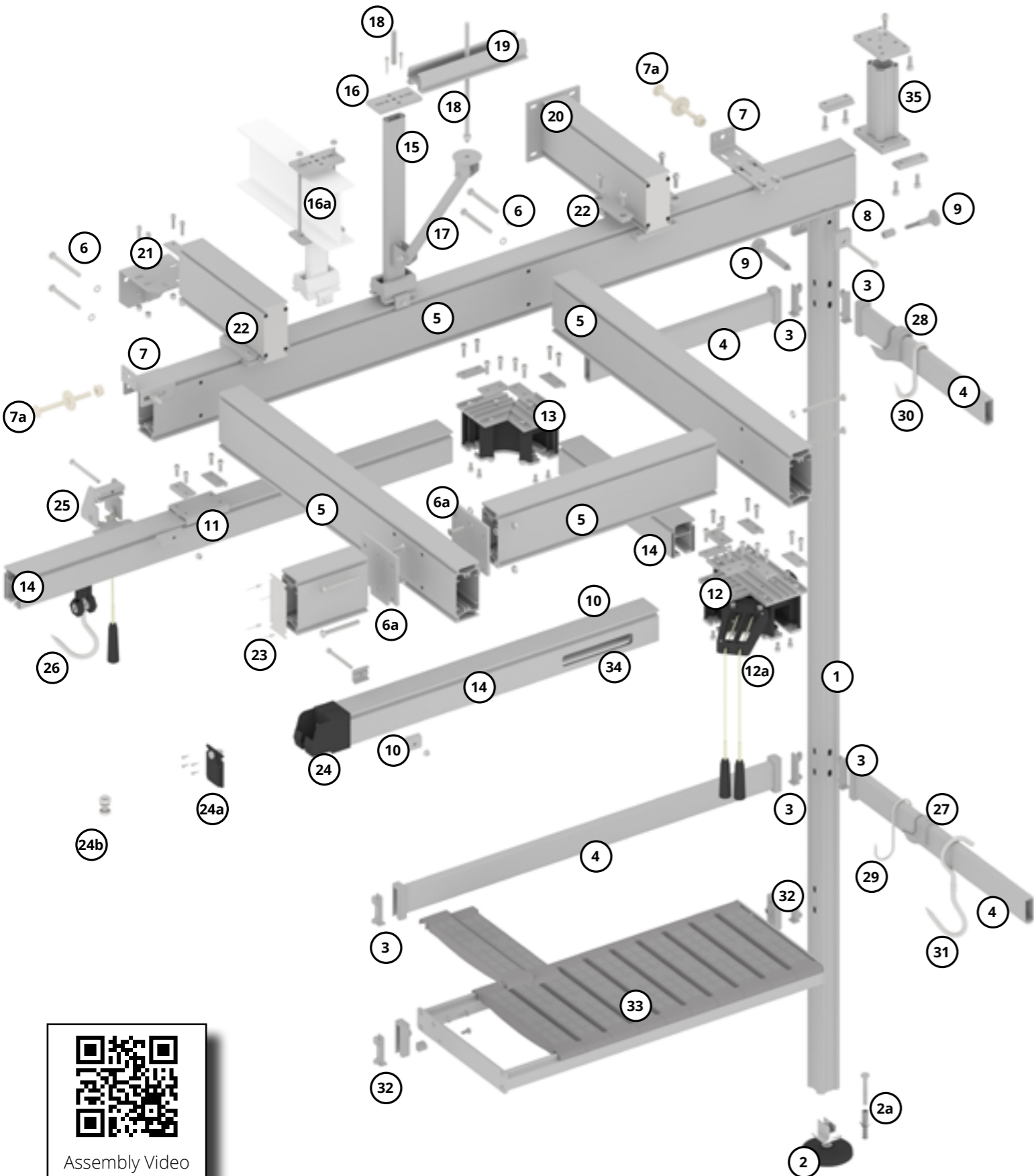
Safety tilt terminal pulley removal on rail



Rotating adjustable base Ø 120 mm (4¾")



MEAT RAIL TECHNICAL SPECIFICATIONS

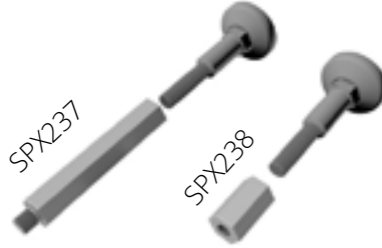


- 1 **SPXM10** Upright 62x62 mm (2½"x2½") in 20 micron anodized aluminum
- 2 **SPX218** Adjustable base D 120 mm (4¾") in nylon 6 to insert in upright (SPX219 = Base + pair of clamps)
- 2a **SPX217** Floor base fixing
- 3 **SPX247** Pair of fixing brackets in nylon 6 for hanging bar 75x25 mm (3"x1")
- 4 **SPXM16** Hanging bar 75x25 mm (3"x1") in 20 micron anodized aluminum
- 5 **SPXM18** - Beam in 20 micron anodized aluminum H 150 mm (6")
SPXM22 - Beam H 230 mm (9")
- 6 **SPX350** "T" joint in stainless steel for beams H 150 mm (6")
SPX365 - Beam H 230 mm (9")
- 6a **SPX380** Cross joints in 20 micron anodized aluminum H 150 mm (6") (SPX395 - Beams H 230 mm (9"))
- 7 **SPXS20** Stainless steel wall spacer longitudinal to the beam (Longitudinal) (L= SPX318 / T= SPX316)
- 7a **SPX320** Anti-condensation nylon anchor for brackets fixed to the cooler walls
- 8 **SPX239** Pair of clamps for upright/beam fixing (SPX219 = Pair of clamps + adjustable base)
- 9 **SPXS25** Wall spacers in 20 micron anodized aluminum 150 mm (6") = SPX237 | 90 mm (3½") = SPX238
- 10 **SPX055** Parallel clamps in 20 micron anodized aluminum for meat rail/beam fixing
- 11 **SPX057** 90° Cross clamp in 20 micron anodized aluminum for meat rail/beam fixing
- 12 **SPX070** 3-Way rotating switch with commands and brackets (SPX075 - 4-Way switch)
- 12a **SPX078** Control ropes spacer for switches in thermoplastic material (OPTIONAL)
- 13 **SPX080** 90° bend (SPX082 - 45° bend)
- 14 **SPXM30** Meat rail H 90x70 mm (3½"x2¾") in 20 micron anodized aluminum
- 15 **SPXS33** Ceiling mount tie rod H 120 mm (4¾") (SPX784 = Standard / SPX813 = Switches+Bends)
SPXS34 Ceiling mount tie rod H 500 mm (19½") (SPX810 = Standard / SPX813 = Switches+Bends)
SPXS39 Ceiling mount tie rod H 1000 mm (39½") (SPX820 = Standard / SPX823 = Switches+Bends)
- 16 **SPX832** Tie rods anchoring plate in 20 micron anodized aluminum
- 16a **SPX838** Tie rods anchoring plate to IPE beams 100/160 mm (4"/6½") in 20 micron anodized aluminum
- 17 **SPXS35** Wall spacer tie rod H 500 mm (19½") (L= SPX862 / T= SPX860)
SPXS40 Wall spacer tie rod H 1000 mm (39½") (L= SPX872 / T= SPX870)
- 18 **SPX060** Stainless steel threaded rod D 10 x 215 mm (¾"x8½")
- 19 **SPXM70** 20 micron anodized aluminum beam for load distribution to ceiling (L. max 3000 mm (118"))
- 20 **SPX428** Stainless steel shelf for meat rail support, to be fixed to the wall L 300 mm (12") (SPX432 - L 1000 mm (39½"))
- 21 **SPX420** Stainless steel shelf for aluminum beam support
- 22 **SPX410** Cross joint in 20 micron anodized aluminum for overlapping aluminum beams
- 23 **SPX330** Stainless steel plug for aluminum beam H 150 mm (6") (SPX342 - Plug for beam H 230 mm (9"))
- 24 **SPX050** Steel terminal for pulley insertion
- 24a **SPX049** Tilting steel terminal for pulley insertion
- 24b **SPX048** Stainless steel terminal pulley block on meat rail
- 25 **SPX180** Stainless steel pulley block on
- 26 **SPX150** Pulley with stainless steel hook 150 kg (330 lb) (SPX155 - for hook 300 kg (660 lb))
- 27 **SPX300** Hook in thermoplastic material 50 kg (110 lb) load capacity
- 28 **SPX312** Hook in thermoplastic material 100 kg (220 lb) load capacity
- 29 **SPX313** Hook in thermoplastic material 100 kg (220 lb) load capacity
- 30 **SPX314** Stainless steel hook for hanging bars 75x25 mm (3"x1")
- 31 **SPX315** Stainless steel hook D 12 mm (½")
- 32 **SPX250** Pair of hinges for fixing the folding shelf on uprights
- 33 **SPXM50** Folding shelf W 375 mm (15") with plastic slats (SPXM52 - with aluminum slats)
- 34 **SPX330** Anti-condensation milling on the rail section through cell door
- 35 **SPX825** Heavy duty tie rod anchoring plate in 20 micron anodized aluminum H 1000 mm (39½")



UPRIGHTS FOR MEAT RAIL

UPRIGHTS

 <p>SPXM10 Upright 62x62 mm (2½"x2½") tailormade in 20 micron anodized aluminum</p>	 <p>SPX217 Floor fixing anchor for adjustable base Ø 120 mm (4¾") in 20 micron anodized aluminum</p>
 <p>SPX219 Rotating adjustable base Ø 120 mm (4¾") in 20 micron anodized aluminum for upright 62x62 mm (2½"x2½") + pair of clamps for upright 62x62 mm (2½"x2½") / beam fixing in 20 micron anodized aluminum</p>	 <p>SPX226 Pair of clamps in 20 micron anodized aluminum for special fixing in "T" configuration upright 62x62 mm (2½"x2½") / beam</p>
 <p>SPXS25 Wall spacers in 20 micron anodized aluminum</p>	 <p>SPX225 Wall spacer extension in 20 micron anodized aluminum for wall spacers for uprights 62x62 mm (2½"x2½")</p>

SPARE PARTS FOR UPRIGHTS

 <p>SPX218 Rotating adjustable base Ø 120 mm (4¾") in 20 micron anodized aluminum for upright 62x62 mm (2½"x2½")</p>	 <p>SPX239 Pair of clamps for upright 62x62 mm (2½"x2½") / beam fixing in 20 micron anodized aluminum</p>
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HANGERS FOR MEAT RAIL



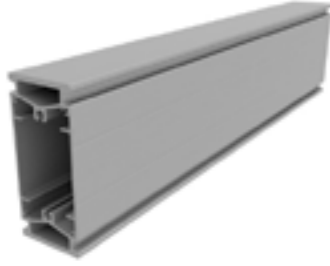
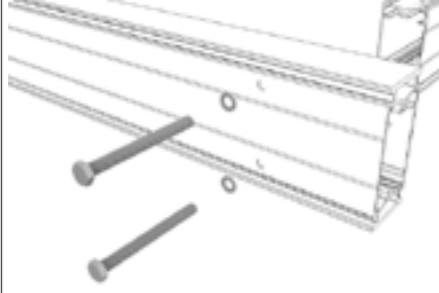
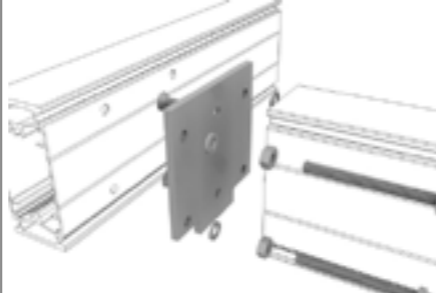


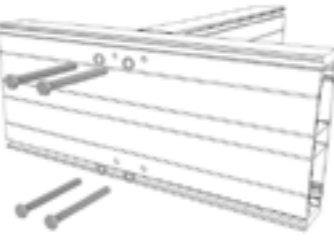





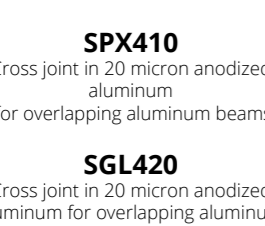


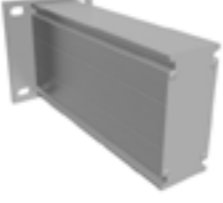
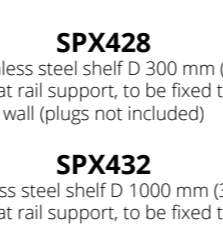
 <p>SPXM16 Hanging bar 75x25 mm (3"x1") in 20 micron anodized aluminum</p>	 <p>SPX247 Pair of fixing brackets for hanging bar 75x25 mm (3"x1") in nylon 6 with upright 62x62 mm (2½"x2½")</p>	 <p>SPX250 Pair of hinges for folding shelf in nylon 6 for upright 62x62 mm (2½"x2½") in 20 micron anodized aluminum</p>
 <p>SPXM50 Folding plastic shelf width 375 mm (15") (SPX250 not included)</p>	 <p>SPXM52 Folding plastic shelf width 375 mm (15") (SPX250 not included)</p>	








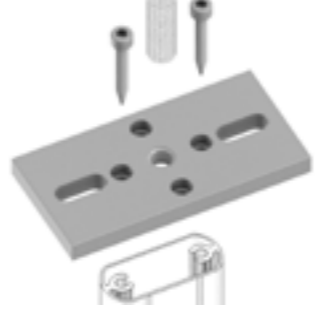



SPXM50 + SPX250



STRUCTURES FOR MEAT RAIL


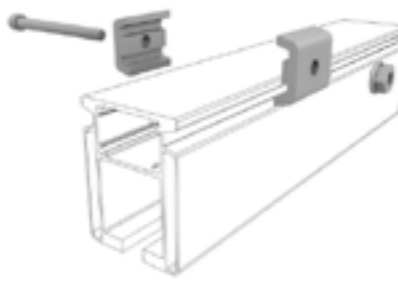
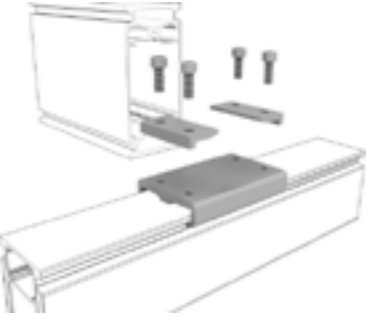
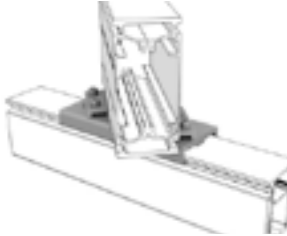



 <p>SPXM18 Beam H 150x70 mm (6"x2¾") in 20 micron anodized aluminum</p>	 <p>SPX350 "T" joint in stainless steel for aluminum beams H 150 mm (6")</p>	 <p>SPX380 Cross joints H 150 mm (6") in 20 micron anodized aluminum</p>	
 <p>SPX330 Stainless steel plug for aluminum beam H 150 mm (6")</p>	 <p>SPXM22 Beam H 230x70 mm (9"x2¾") in 20 micron anodized aluminum</p>	 <p>SPX365 "T" joint in stainless steel for aluminum beams H 230 mm (9")</p>	
 <p>SPX395 Cross joints H 230 mm (9") in 20 micron anodized aluminum</p>	 <p>SPX342 Stainless steel plug for aluminum beam H 230 mm (9")</p>	 <p>SPX320 Anti-condensation Nylon plug Ø 12 mm (½")</p>	 <p>SPX068 Bracket for embossed meat rail + upright 62x62 mm (2½"x2½") fixing kit (max. length 1500 mm - 59") in 20 micron anodized aluminum</p>
 <p>SPX410 Cross joint in 20 micron anodized aluminum for overlapping aluminum beams</p>  <p>SGL420 Cross joint in 20 micron anodized aluminum for overlapping aluminum beams heavy duty</p>	 <p>SPXS20 Stainless steel wall spacer bracket for beams (L) longitudinal or (T) transversal to the meat rail</p>	 <p>SPX420 Stainless steel shelf for aluminum beam support. To be fixed to the wall (plugs not included)</p>	 <p>SPX428 Stainless steel shelf D 300 mm (12") for meat rail support, to be fixed to the wall (plugs not included)</p>  <p>SPX432 Stainless steel shelf D 1000 mm (39½") for meat rail support, to be fixed to the wall (plugs not included)</p>

CEILING FRAMES FOR MEAT RAIL




 <p>SPXS33 Ceiling mount tie rod H 120 mm (4¾") in 20 micron anodized aluminum</p>	 <p>SPXS34 Ceiling mount tie rod H 500 mm (19½") in 20 micron anodized aluminum</p>	 <p>SPXS39 Ceiling mount tie rod H 1000 mm (39½") in 20 micron anodized aluminum</p>
 <p>SPXS35 Wall spacer tie rod H 500 mm (19½") (L) longitudinal or (T) transversal in 20 micron anodized aluminum</p>		 <p>SPXS40 Wall spacer tie rod H 1000 mm (39½") (L) longitudinal or (T) transversal in 20 micron anodized aluminum</p>
 <p>SPX832 Tie rods anchoring plate for ceiling fixing (plugs not included) in 20 micron anodized aluminum</p>		 <p>SPX838 Tie rods anchoring plate to IPE beams 100-160 mm (4"-6") in 20 micron anodized aluminum</p>
 <p>SPX060 Stainless steel threaded rod 10MA x 215 mm (8½") for direct ceiling joint</p>		 <p>SPXM70 20 micron anodized aluminum beam for load distribution to ceiling H 60 x 68 mm (2½" x 2¾") (max length 3000 mm (118"))</p>

MEAT RAIL, SWITCHES, BENDS



ALUMINUM MEAT RAIL

 <p>SPXM30 Meat rail H 90 x 70 mm (3½" x 2¾") in 20 micron anodized aluminum</p>	 <p>SPX055 Parallel clamps in 20 micron anodized aluminum for meat rail/beam fixing</p>	 <p>SPX057 Cross clamp in 20 micron anodized aluminum for meat rail/beam fixing</p>	
 <p>SPX058 45° Cross clamp in 20 micron anodized aluminum for meat rail/beam fixing</p>	 <p>SPX048 Stainless steel terminal pulley block on meat rail</p>	 <p>SPX049 Tilting steel terminal for pulley insertion</p>	 <p>SPX050 Steel terminal for pulley insertion</p>

SWITCHES FOR MEAT RAIL





 <p>SPX070 3-Way rotating switch Ø 200 mm (8") in 20 micron anodized aluminum</p>	 <p>SPX075 4-Way rotating switch Ø 200 mm (8") in 20 micron anodized aluminum</p>	 <p>SPX078 (optional) Control ropes spacer for 3 or 4 switch in thermoplastic material</p>
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BENDS FOR MEAT RAIL

 <p>SPX080 90° bend Ø 200 mm (8") in 20 micron anodized aluminum</p>	 <p>SPX082 45° bend Ø 200 mm (8") in 20 micron anodized aluminum</p>
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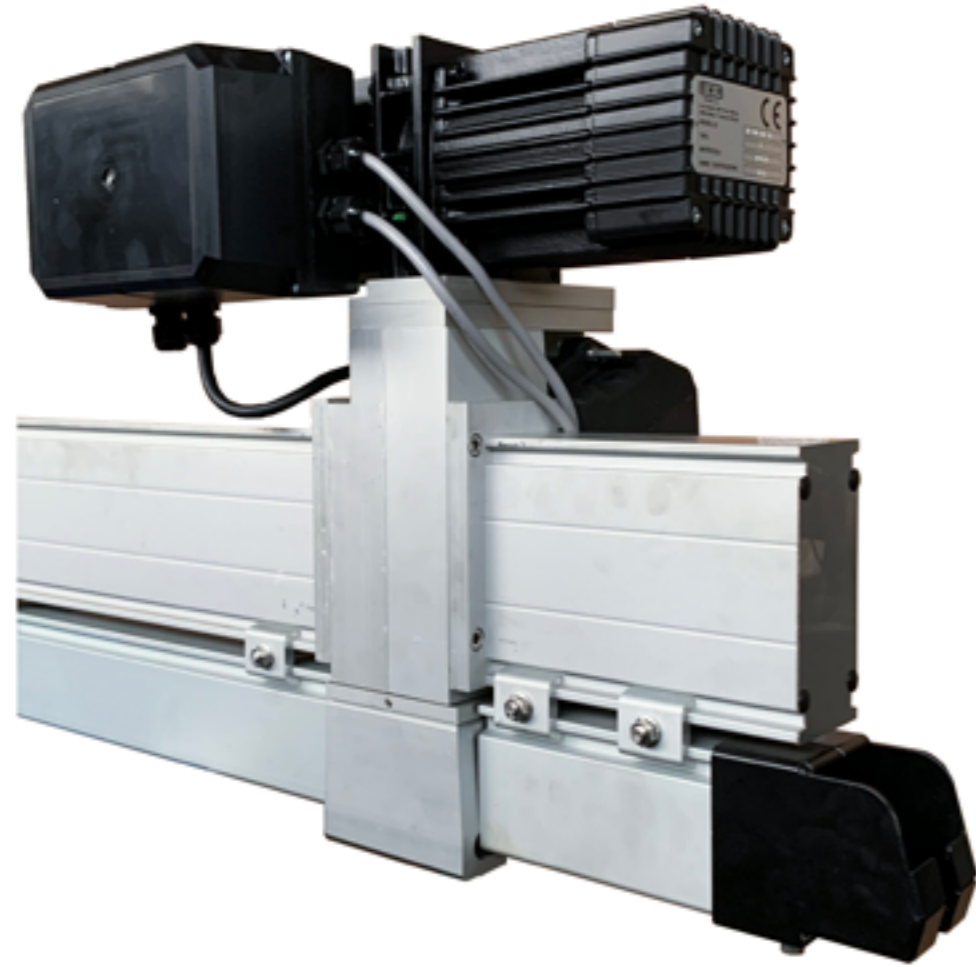
HOOKS AND PULLEYS



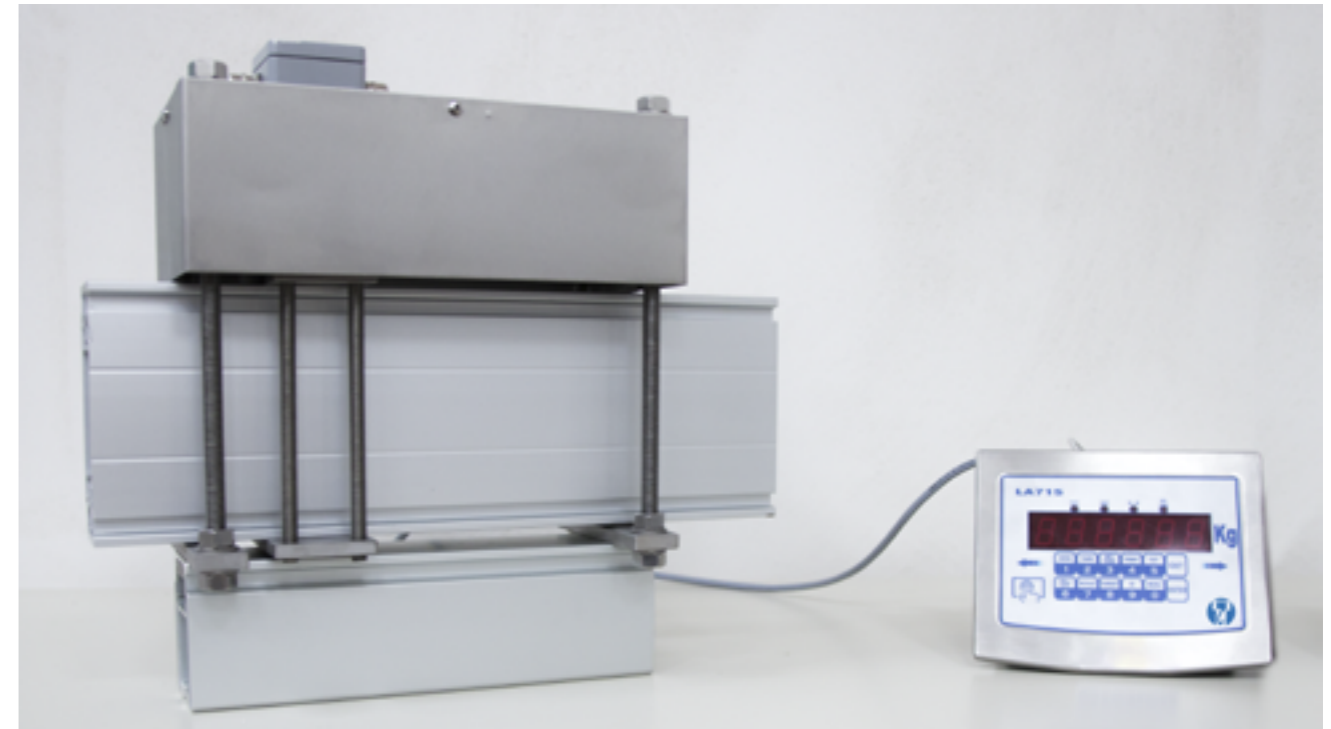
 <p>SPX150 SIMPLEX pulley, 150 kg (330 lb) load capacity with hook Ø 12 mm (½") in stainless steel</p>		
 <p>SPX300 Hook in thermoplastic material 50 kg (110 lb) load capacity for hanging bars</p>	 <p>SPX312 Hook in thermoplastic material 100 kg (220 lb) load capacity for hanging bars</p>	
 <p>SPX313 "S" shaped stainless steel hook H 160 mm (6¼"), Ø 6 mm (¼"), for hanging bars</p>	 <p>SPX314 Stainless steel hook Ø 12 mm (½") for hanging bars</p>	 <p>SPX315 "S" shaped stainless steel swivelling hook H 270 mm (10½"), Ø 12 mm (½"), for hanging bars</p>



LOADING DEVICES ON MEAT RAIL



ELECTRONIC SCALES ON MEAT RAIL



NOT HOMOLOGATED

SPX215

Electronic scale in stainless steel 300 kg (660 lb) with electronic display IP 67, not homologated

(Homologation possible by request).
Designed to be attached directly to the structure of the meat rail. It allows you to weigh directly from the meat rail the hanging meat. Supplied pre-assembled and calibrated. Weighing length 300 mm (12").

HOMOLOGATED

SPX216

Electronic scale in stainless steel 300 kg (660 lb) with electronic display IP 65 Homologated

Designed to be attached directly to the structure of the meat rail. It allows you to weigh directly from the meat rail the hanging meat. Supplied pre-assembled and calibrated. Weighing length 300 mm (12").

TERMINAL

SPX113

Terminal loading device with electric hoist, load capacity 200 kg (440 lb)

Designed to be attached directly to the head of the supporting structure and to work in harmony with our meat rail system Simplex.

Eliminates operator fatigue in the daily operations of raising and lowering the meat on the conveyor.

Structure completely in 20 micron anodized aluminum.

Equipped with safety lock to prevent the fall of the meat during normal operations.

Pre-mounted on the meat rail system.

CENTRAL

SPX103

Central loading device with electric hoist, load capacity 200 kg (440 lb)

Designed to be attached directly to the head of the supporting structure and to work in harmony with our meat rail system Simplex.

Eliminates operator fatigue in the daily operations of raising and lowering the meat on the conveyor.

Structure completely in 20 micron anodized aluminum.

Equipped with safety lock to prevent the fall of the meat during normal operations.

Pre-mounted on the meat rail system.

PRINTER FOR ELECTRONIC SCALE (optional)



SPX213

Printer for electronic scale


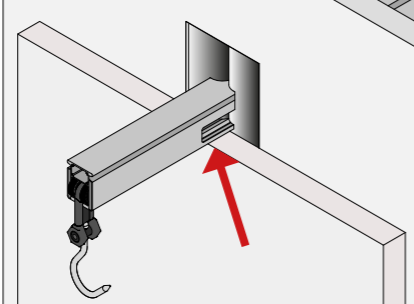
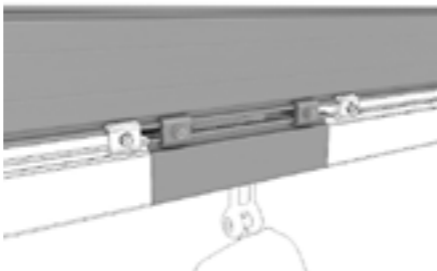






Suitable for both versions (homologated and not-homologated)
Printing quality 204 dpi
Temperature working range -20/+70 °C (-4/158 °F)
Paper presence sensors, print head temperature and door open



Fixing of the display and the printer with stainless steel plate



ACCESSORIES FOR MEAT RAIL

 <p>SPX180 Stainless steel pulley block on rail</p>	 <p>SPXS30 Thermal cut on meat rail for cold room door</p>	 <p>SPXS10 Prearrangement in 20 micron anodized aluminum for scale installation on rail (tailor made measures)</p>
 <p>SPX115 Electric hoist, 125 kg (275 lb) load capacity</p>	 <p>SPX118 Electric hoist, 200 kg (440 lb) load capacity</p>	 <p>SPX119 Steel trolley with INP-IPE support for electric hoist</p>
 <p>SPX120 Stainless steel support arm for hoist fixing to beams</p>	 <p>SPX122 Stainless steel hook for standard electric hoist 150 kg (330 lb)</p>	 <p>SPX155 SIMPLEX pulley, 300 kg (660 lb) load capacity with hook Ø 15 mm (3/4") in stainless steel 300 kg (660 lb)</p>

FOLDING RAIL EXTENTION


 <p>SPX128 Manual folding rail extension for meat reception in 20 micron anodized aluminum</p> <p>CLOSED</p> <p>OPEN</p>

ACCESSORIES FOR MEAT RAIL

 <p>SPX140 Manual removable rail extension in 20 micron anodized aluminum</p>	 <p>SPX141 Manual removable rail extension with stainless steel handles</p>	 <p>SPX142 Flag for meat rail in 20 micron anodized aluminum</p>
 <p>SPXS80 Lowering rail section in 20 micron anodized aluminum</p>	 <p>SPXM12 Upright 82x82 mm (3 1/2"x3 1/2") in 20 micron anodized aluminum</p>	 <p>SPX262 Rotating adjustable base Ø 160 mm (12 1/2") in 20 micron anodized aluminum for upright 82x82 mm (3 1/2"x3 1/2") + pair of clamps for upright 82x82 mm (3 1/2"x3 1/2")/aluminum beam H 150/H 230 mm (6"/9")</p>
 <p>SPX064 Linear meat rail joint in 20 micron anodized aluminum</p>	 <p>SPX833 Adjustable tie rods anchoring plate for ceiling fixing (plugs not included) in 20 micron anodized aluminum</p>	 <p>SPX839 Adjustable tie rods anchoring plate to IPE beams 100-160 mm (4"-6") in 20 micron anodized aluminum</p>

SPECIAL ASSEMBLIES UPON REQUEST

- SPX132** - Lifting rail section in 20 micron anodized aluminum for forklifts transit
- SPXS90** - Lowering rail conveyor in stainless steel
- SPX147** - Stainless steel pneumatic expander
- GRIC15** - Stainless steel crane with articulated arm

 <p>SPX825 Heavy duty tie rod anchoring plate in 20 micron anodized aluminum H 1000 mm (39 1/2")</p>	<p>SPECIAL ASSEMBLIES UPON REQUEST</p> <ul style="list-style-type: none"> SPX132 - Lifting rail section in 20 micron anodized aluminum for forklifts transit SPXS90 - Lowering rail conveyor in stainless steel SPX147 - Stainless steel pneumatic expander GRIC15 - Stainless steel crane with articulated arm
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QUARTER BEEF TROLLEYS

ZINC-PLATED FRAMES FOR MEAT RAIL STRUCTURE



FIXED HOOKS

SPX910

Quarter beef trolley in 20 micron anodized aluminum with fixed hooks

The quarter beef trolley with fixed hooks is ideal for handling and moving big carcasses from the unloading area to the cold room.

Made in 20 micron anodized aluminum, it's suitable for direct food contact.

The wheels (Ø 125 mm (5"), with brakes, in thermoplastic material) allow high stability and smooth scrolling. Max load capacity: 400 kg (880 lb)

Maximum dimensions 1400 x 770 x H 2200 mm (55" x 30¼" x 86½")



SPX920

Cover for SPX910 in PVC coated polyester



PULLEYS

SPX914

Quarter beef trolley in 20 micron anodized aluminum with pulleys

The quarter beef trolley with pulleys is ideal for handling and moving big carcasses from the unloading area to the cold room.

Made in 20 micron anodized aluminum, it's suitable for direct food contact.

The wheels (Ø 125 mm (5"), with brakes, in thermoplastic material) allow high stability and smooth scrolling.

Pulleys can be blocked to prevent accidental movements, there is also a connection between the trolley and the meat rail.

Max load capacity: 400 kg (880 lb)

Maximum dimensions 1400 x 770 x H 2550 mm (55" x 30¼" x 100")



SPX922

Cover for SPX914 in PVC coated polyester



SGL125

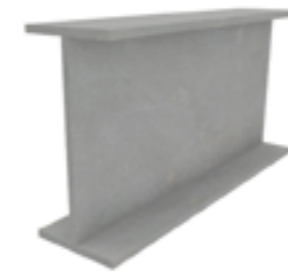
Rotating adjustable base Ø 120 mm (4¾") for upright 82x82 mm (3½"x3½") + Pair of fixing clamps upright / beams 140-180

SGL126

Rotating adjustable base Ø 120 mm (4¾") for upright 82x82 mm (3½"x3½") + Pair of fixing clamps upright / beams 200-220

SGL127

Rotating adjustable base Ø 120 mm (4¾") for upright 82x82 mm (3½"x3½") + Pair of fixing clamps upright / beams 240-300



GLDM05

Hot dip galvanized iron IPE 140

GLDM09

Hot dip galvanized iron IPE 220

GLDM06

Hot dip galvanized iron IPE 160

GLDM10

Hot dip galvanized iron IPE 240

GLDM07

Hot dip galvanized iron IPE 180

GLDM11

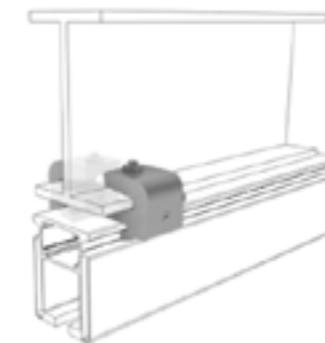
Hot dip galvanized iron IPE 270

GLDM08

Hot dip galvanized iron IPE 200

GLDM12

Hot dip galvanized iron IPE 300



SGL060

Galvanized iron parallel clamp rail / beams IPE 140

SGL062

Galvanized iron parallel clamp rail / beams IPE 160-180

SGL064

Galvanized iron parallel clamp rail / beams IPE 200-240

SGL066

Galvanized iron parallel clamp rail / beams IPE 270-300



SGL070

Galvanized iron cross clamp rail / beams IPE 140-180

SGL071

Galvanized iron cross clamp rail / beams IPE 200-220

SGL072

Galvanized iron cross clamp rail / beams IPE 240-300



SGL120

Aluminum cross bracket IPE 140-180 with aluminum beams on different levels

SGL121

Aluminum cross bracket IPE 200-220 with aluminum beams on different levels

SGL122

Aluminum cross bracket IPE 240-300 with aluminum beams on different levels

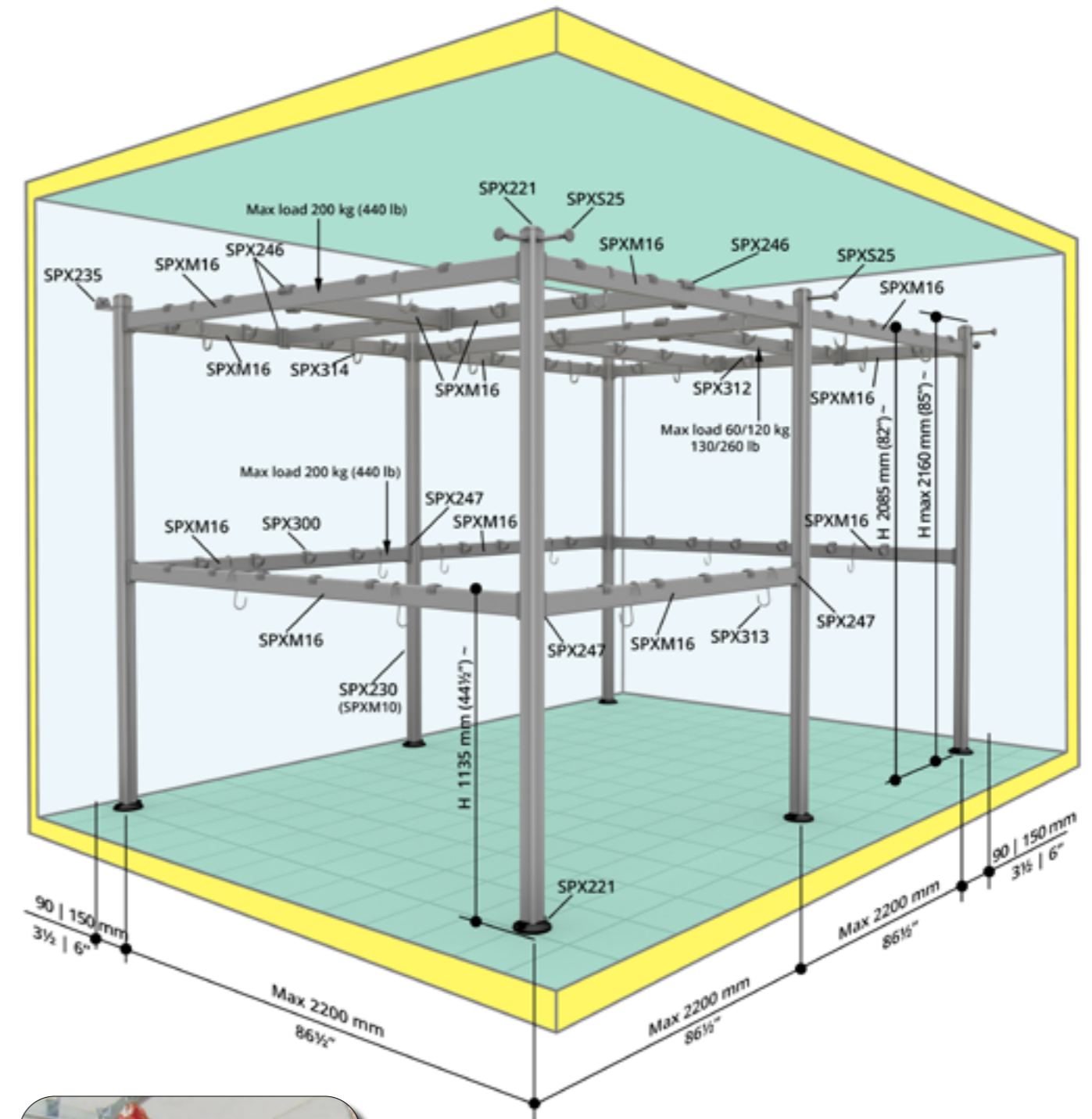


ALUMINUM FRAMEWORK

DIMENSIONS



- Made of high strength aluminum
- 20 micron anodized
- Ideal also for medium and big load capacities
- Tailor made
- Extremely easy to clean
- Uprights with fixed bases
- Load capacity hook 50/100 kg (110 / 220 lb) each



Folding shelf available for hangers



SIMPLEX FRAMEWORK FOR HANDLING MEAT AND STORAGE

Tailor-made design and construction

This innovative storage system is suitable for small butcher shops as well as big supermarkets or wholesale food warehouses. All this thanks to the modular system of Simplex framework allowing our technical department, during the design phase, to optimize the space available making it suitable for any environment.

Hygiene certification

Simplex framework is stainless by default. The high quality thermoplastic is non-toxic, aluminum is 20 micron anodized and all nuts and bolts are made of stainless steel.

Safety first

Simplex framework can handle and store big animal carcasses, as well as small pieces. Operators can work safely throughout the complete line.

Eye catching

Simplex framework is not only robust but also harmonious. Every detail has been designed to give continuity to the whole structure. The gray / silver give an elegant and sophisticated touch.

Quick and easy assembly

Simplex framework is just a "simple" system. The modularity allows versatility and adjustments even during the installation.

Retrofittable

Simplex framework allows additions, replacements and adjustments even after many years.

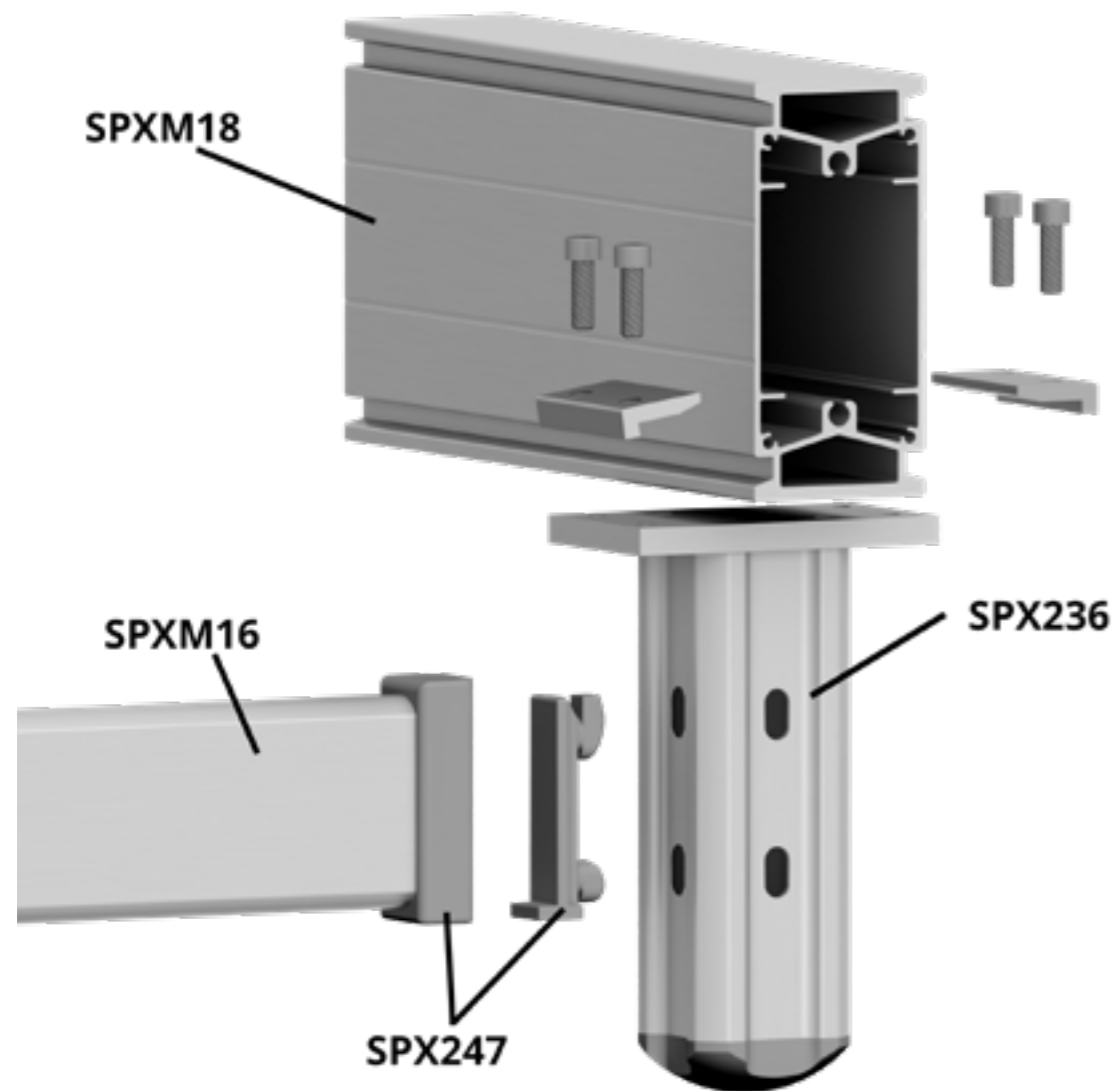
High quality / price ratio



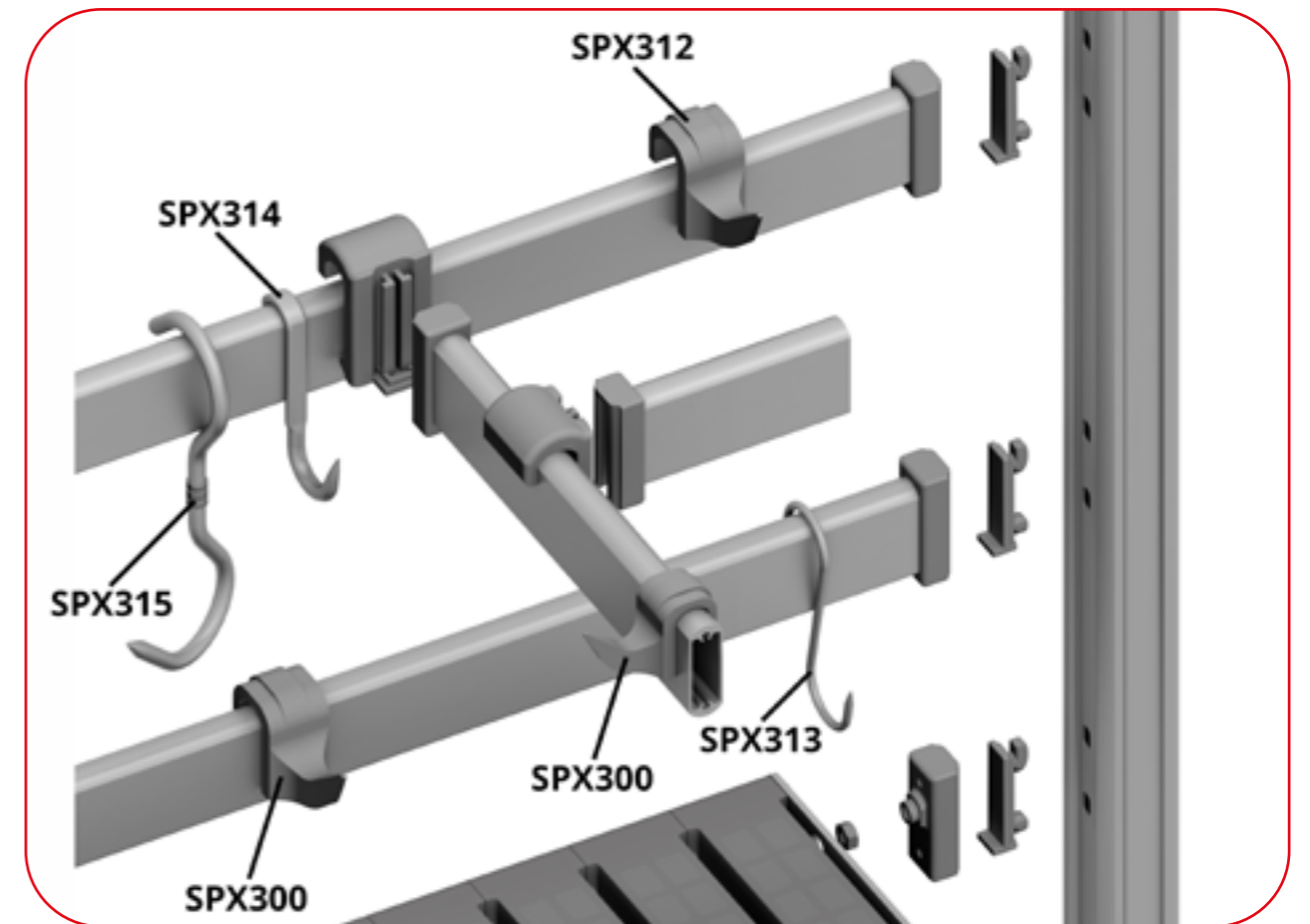


SPECIAL SYSTEM FOR THE USE OF UPPER HANGING BARS, WITHOUT POST ON THE GROUND

Is it possible to add hanging bars in the middle of the cold room using a central suspension without any post on the floor.



Central bracket assembly plan

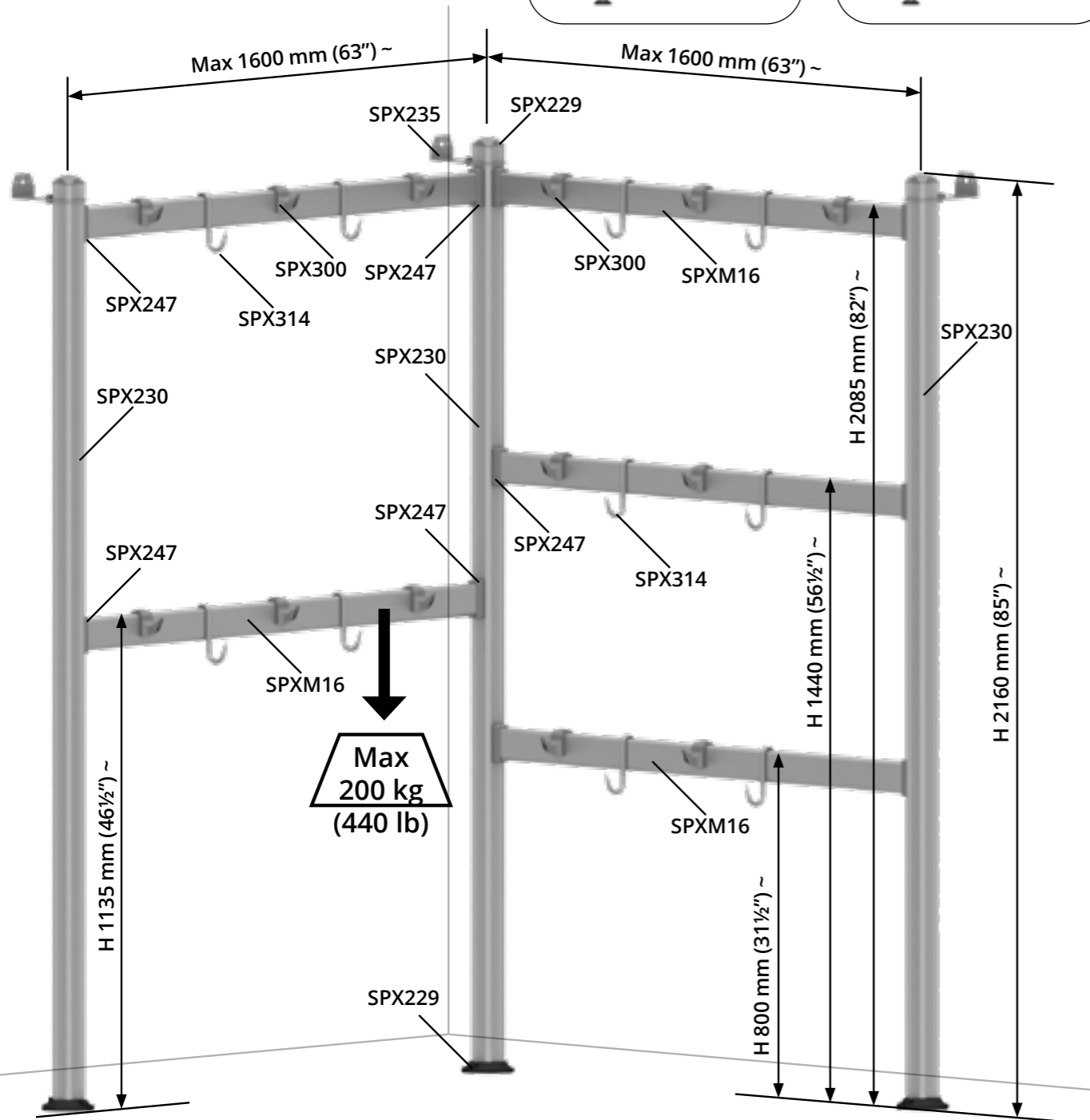
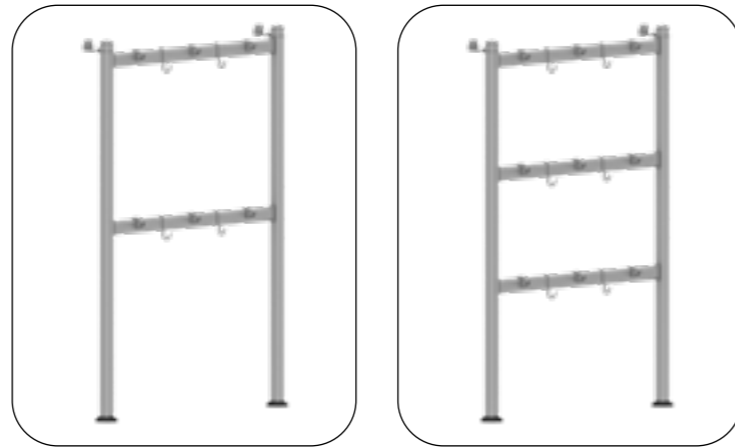


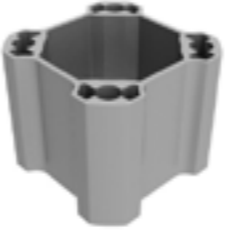








FLOOR / WALL HANGERS MOUNTED ON UPRIGHTS

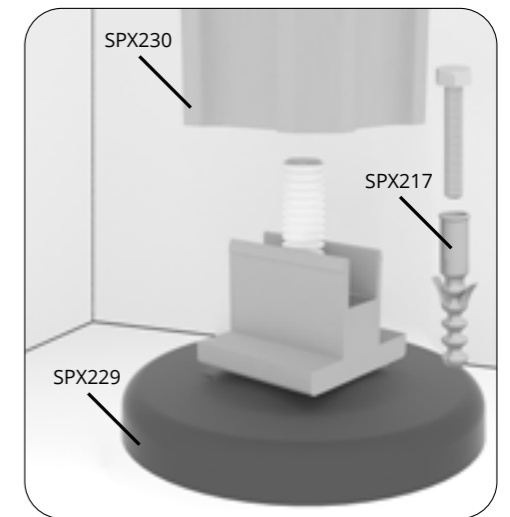
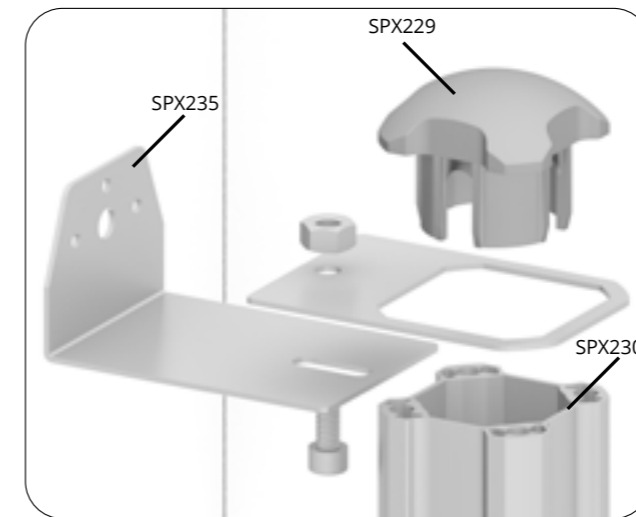
Simplex Hangers on uprights

Floor/wall hangers mounted on uprights are the perfect solution for storing small meats making the most of the cold room space.

The wall mounted version allows the installation underneath the condenser unit.



 <p>SPX230 Upright 62x62 mm (2 1/2"x2 1/2") H 2160 mm (85") in 20 micron anodized aluminum</p>	 <p>SPX229 Rotating adjustable base Ø 120 mm (4 3/4") in 20 micron anodized aluminum + plug for upright 62x62 mm (2 1/2"x2 1/2") in nylon 6</p>	 <p>SPX217 Floor fixing anchor for adjustable base Ø 120 mm (4 3/4") in 20 micron anodized aluminum</p>	 <p>SPX235 Wall fixing stainless steel bracket for upright (rivet or threaded plug 10MA not included)</p>
 <p>SPX247 Pair of fixing brackets for hanging bar 75x25 mm (3"x1") in nylon 6 with upright 62x62 mm (2 1/2"x2 1/2")</p>		 <p>SPXM16 Hanging bar 75x25 mm (3"x1") in 20 micron anodized aluminum</p>	
 <p>SPX300 Hook in thermoplastic material 50 kg (110 lb) load capacity for hanging bars</p>	 <p>SPX313 "S" shaped stainless steel hook H 160 mm (6 1/4"), Ø 6 mm (1/4"), for hanging bars</p>	 <p>SPX314 Stainless steel hook Ø 12 mm (1/2") for hanging bars</p>	

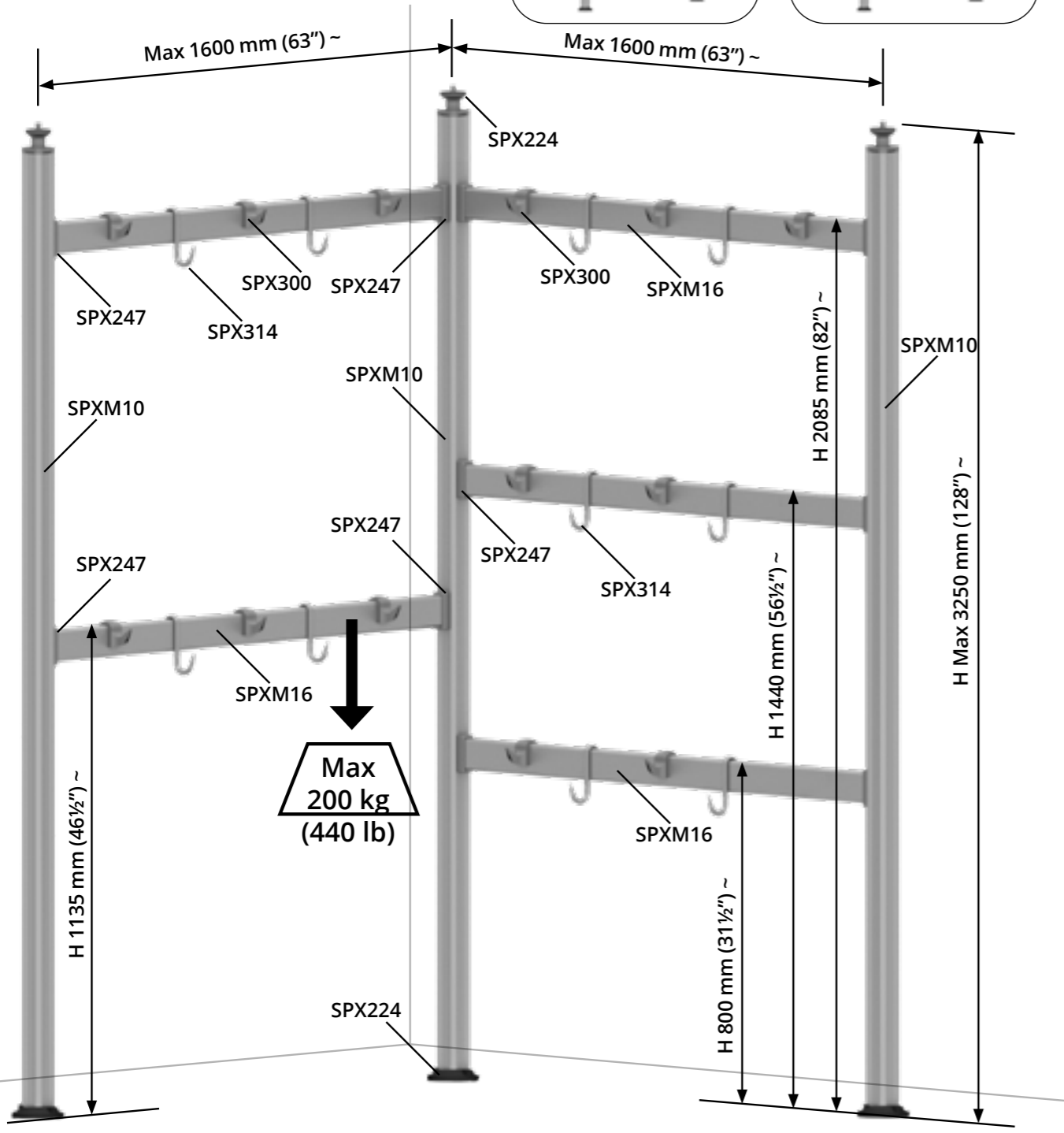
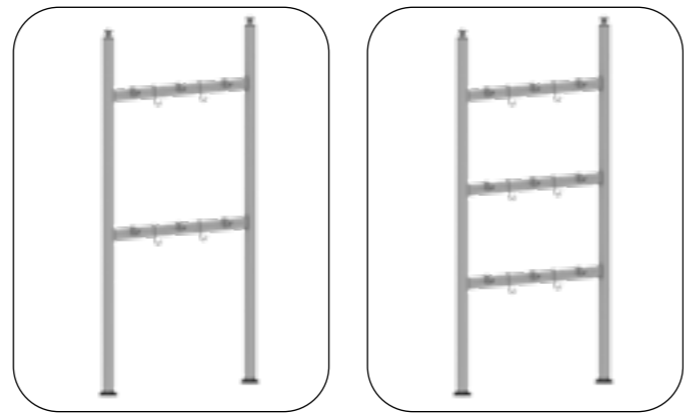


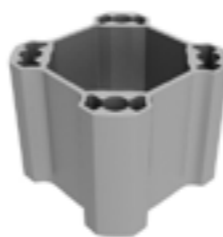







FLOOR / CEILING HANGERS MOUNTED ON UPRIGHTS

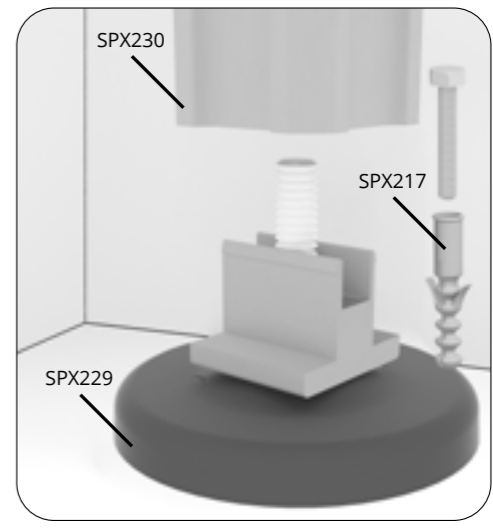
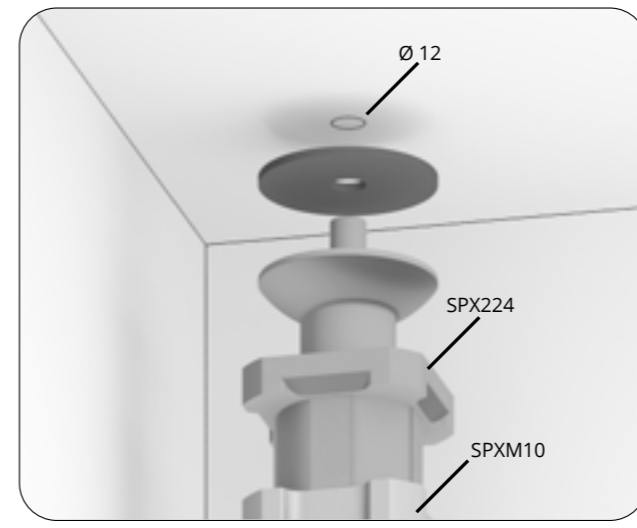
Simplex Hangers on uprights

Floor/ceiling hangers mounted on uprights are the perfect solution for storing small meats making the most of the cold room space.

The ceiling mounted version avoid drilling holes in the panels.



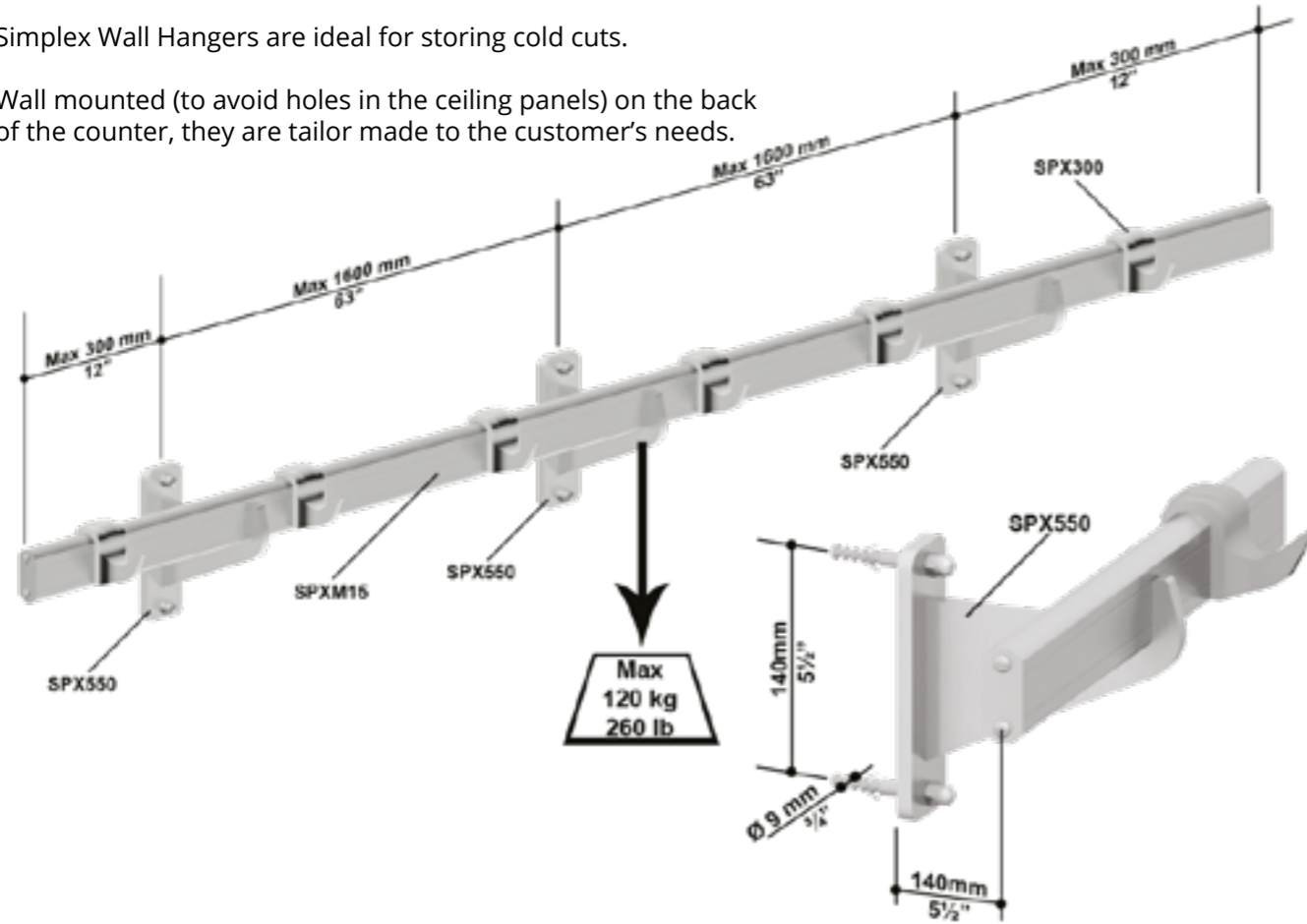
 <p>SPXM10 Upright 62x62 mm (2½"x2½") tailormade in 20 micron anodized aluminum</p>	 <p>SPX224 Rotating adjustable base Ø 120 mm (4¾") in 20 micron anodized aluminum + adjustable base Ø 60 mm (2½") for wall / ceiling hanger</p>	 <p>SPX217 Floor fixing anchor for adjustable base Ø 120 mm (4¾") in 20 micron anodized aluminum</p>
 <p>SPX247 Pair of fixing brackets for hanging bar 75x25 mm (3"x1") in nylon 6 with upright 62x62 mm (2½"x2½")</p>		 <p>SPXM16 Hanging bar 75x25 mm (3"x1") in 20 micron anodized aluminum</p>
 <p>SPX300 Hook in thermoplastic material 50 kg (110 lb) load capacity for hanging bars</p>	 <p>SPX313 "S" shaped stainless steel hook H 160 mm (6¼"), Ø 6 mm (¼"), for hanging bars</p>	 <p>SPX314 Stainless steel hook Ø 12 mm (½") for hanging bars</p>



WALL HANGERS

Simplex Wall Hangers are ideal for storing cold cuts.

Wall mounted (to avoid holes in the ceiling panels) on the back of the counter, they are tailor made to the customer's needs.

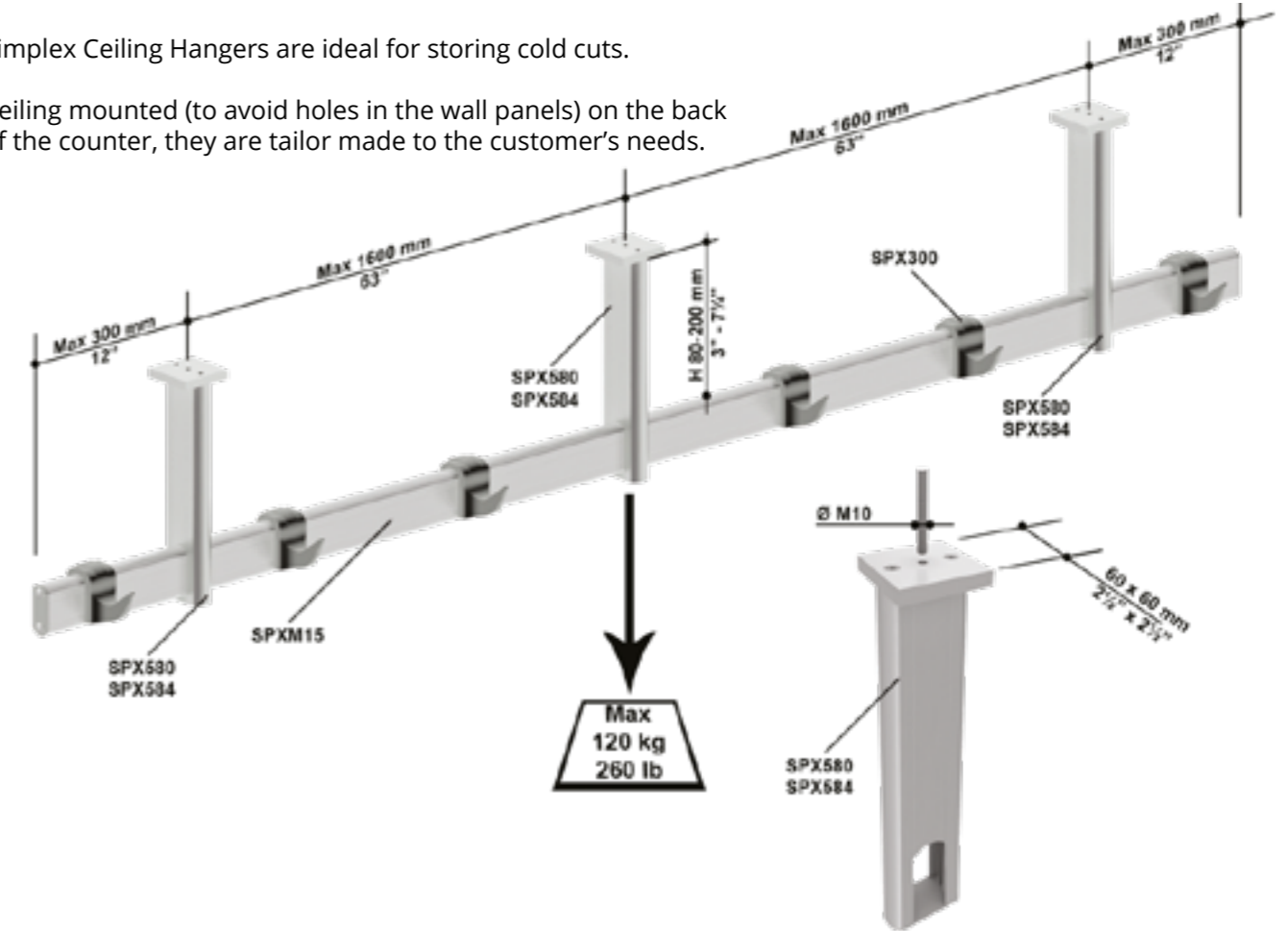


CEILING HANGERS








Simplex Ceiling Hangers are ideal for storing cold cuts.

Ceiling mounted (to avoid holes in the wall panels) on the back of the counter, they are tailor made to the customer's needs.



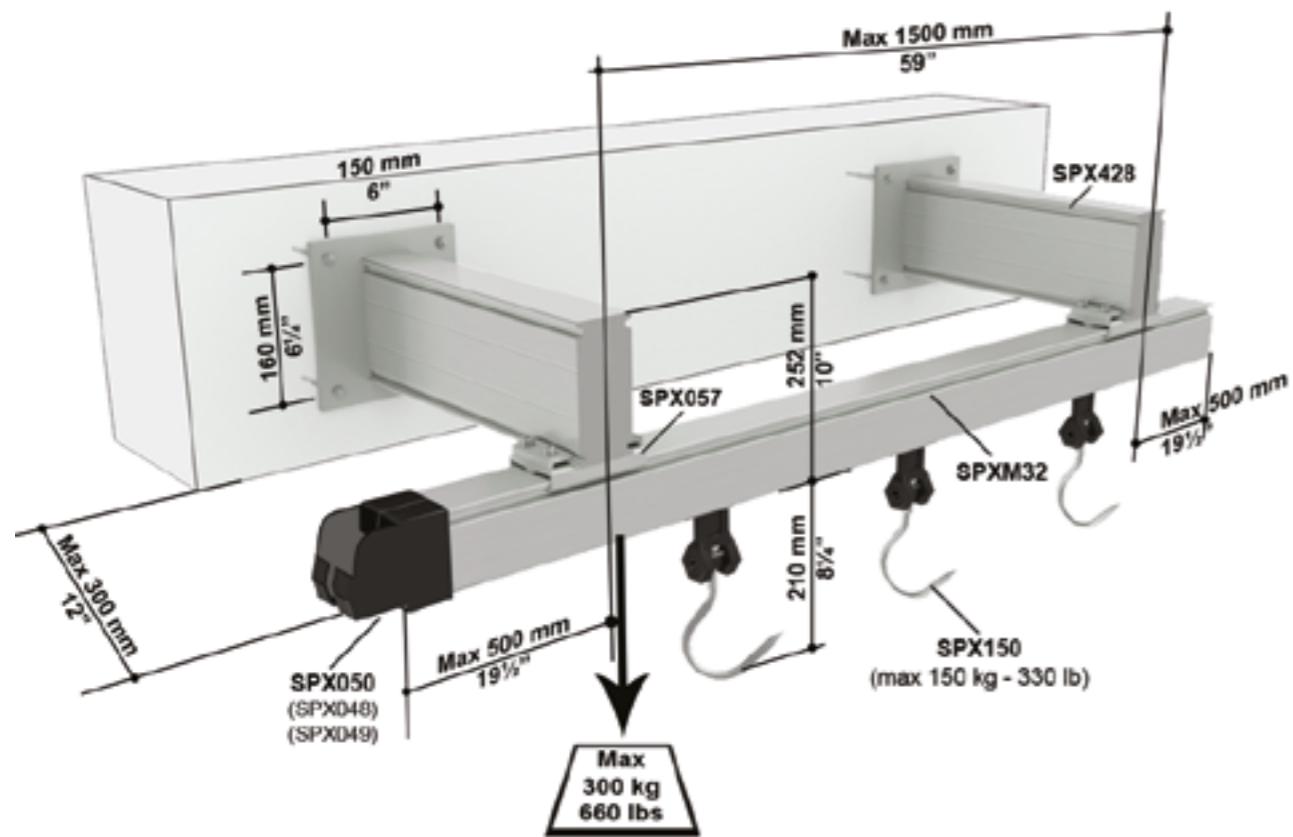
 <p>SPX550 Bracket for direct fixing of 60 x 25 mm (2 1/2" x 1") hanging bar to the wall D 140 mm (5 1/2") (plugs included)</p>	 <p>SPXM15 Hanging bar 60 x 25 mm (2 1/2" x 1") in 20 micron anodized aluminum</p>	 <p>50 kg (110 lb) SPX300 Hook in thermoplastic material 50 kg (110 lb) load capacity for hanging bars</p>
 <p>40 kg (90 lb) SPX313 "S" shaped stainless steel hook H 160 mm (6 1/4"), Ø 6 mm (1/4"), for hanging bars</p>	 <p>150 kg (330 lb) SPX314 Stainless steel hook Ø 12 mm (1/2") for hanging bars</p>	

 <p>SPX580 Direct ceiling joint H 80 mm (3 1/4") in 20 micron anodized aluminum (threaded rod 10MA not included)</p>	 <p>SPX584 Direct ceiling joint H 200 mm (7 3/4") in 20 micron anodized aluminum (threaded rod 10MA not included)</p>	 <p>SPXM15 Hanging bar 60 x 25 mm (2 1/2" x 1") in 20 micron anodized aluminum</p>
 <p>50 kg (110 lb) SPX300 Hook in thermoplastic material 50 kg (110 lb) load capacity for hanging bars</p>	 <p>40 kg (90 lb) SPX313 "S" shaped stainless steel hook H 160 mm (6 1/4"), Ø 6 mm (1/4"), for hanging bars</p>	 <p>150 kg (330 lb) SPX314 Stainless steel hook Ø 12 mm (1/2") for hanging bars</p>



WALL MOUNT SLIDING HANGERS

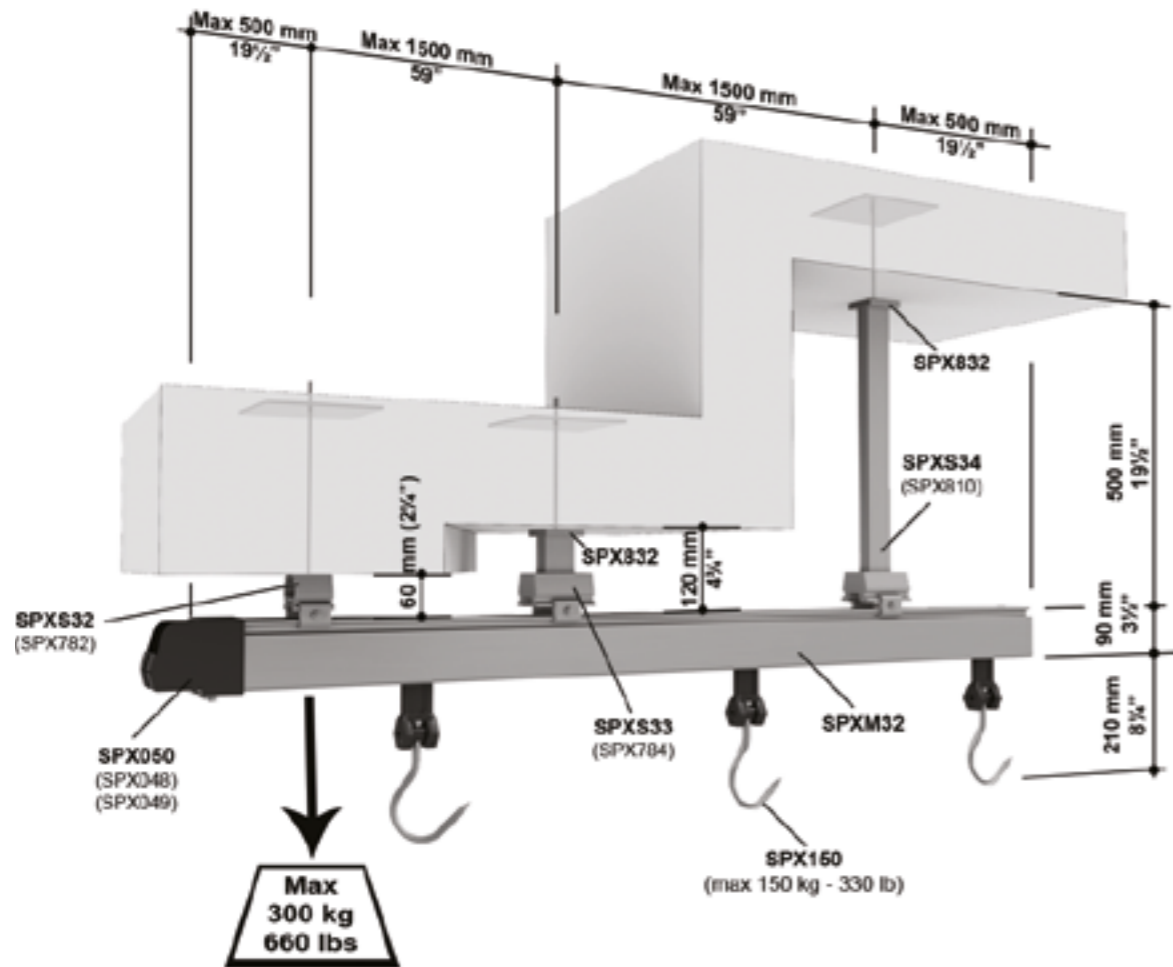
Simplex Wall Sliding Hangers are ideal for loads up to 1100 lbs. (500 kg)
 Wall mounted (to avoid holes in the ceiling panels) on the back of the counter,
 they are tailor made to the customer's needs.



 <p>SPXM32 Meat rail H 90 x 70 mm (3 1/2" x 2 3/4") in 20 micron anodized aluminum (CUT ONLY)</p>	 <p>SPX428 Stainless steel shelf D 300 mm (12") for meat rail support, to be fixed to the wall (plugs not included)</p>	
 <p>SPX048 Stainless steel terminal pulley block on meat rail</p>	 <p>SPX049 Tilting steel terminal for pulley insertion</p>	 <p>SPX050 Steel terminal for pulley insertion</p>
 <p>SPX057 Cross clamp in 20 micron anodized aluminum for meat rail/beam fixing</p>		 <p>SPX150 SIMPLEX pulley, 150 kg (330 lb) load capacity with hook Ø 12 mm (1/2") in stainless steel</p>



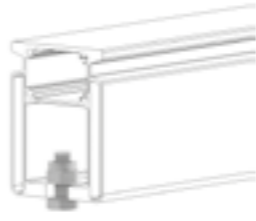

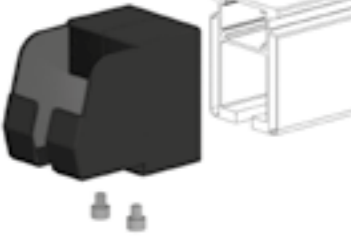
CEILING MOUNT SLIDING HANGERS

Simplex Ceiling Sliding Hangers are ideal for loads up to 1100 lbs. (500 kg)
 Ceiling mounted (to avoid holes in the wall panels) on the back of the counter,
 they are tailor made to the customer's needs.



CEILING MOUNT SLIDING HANGERS

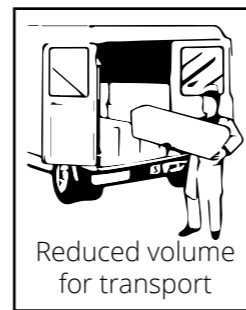
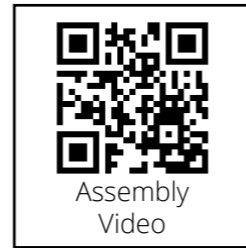
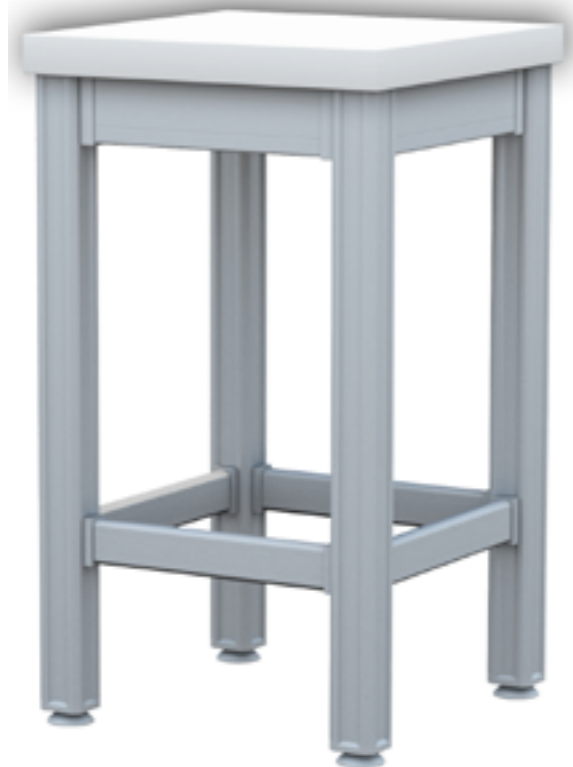


 <p>SPXM32 Meat rail H 90 x 70 mm (3 1/2" x 2 3/4") in 20 micron anodized aluminum (CUT ONLY)</p>	 <p>SPX150 SIMPLEX pulley, 150 kg (330 lb) load capacity with hook Ø 12 mm (1/2") in stainless steel</p>	
 <p>SPXS32 Direct ceiling joint H 60 mm (2 1/2") in 20 micron anodized aluminum</p>	 <p>SPXS33 Ceiling mount tie rod H 120 mm (4 3/4") in 20 micron anodized aluminum</p>	 <p>SPXS34 Ceiling mount tie rod H 500 mm (19 1/2") in 20 micron anodized aluminum</p>
 <p>SPX832 Tie rods anchoring plate for ceiling fixing (plugs not included) in 20 micron anodized aluminum</p>	 <p>SPX060 Stainless steel threaded rod 10MAx215 mm (8 1/2") for direct ceiling joint</p>	 <p>SPXM70 20 micron anodized aluminum beam for load distribution to ceiling H 60 x 68 mm (2 1/2" x 2 3/4") (max length 3000 mm (118"))</p>
 <p>SPX048 Stainless steel terminal pulley block on meat rail</p>	 <p>SPX049 Tilting steel terminal for pulley insertion</p>	 <p>SPX050 Steel terminal for pulley insertion</p>



ALUMINUM CHOPPING BLOCKS

Structure made of 20 micron anodized aluminum.
 Working plane in polyethylene H 50 / 80 mm (2" / 3").
 Easy to assemble is shipped un-mounted to improve transport efficiency.



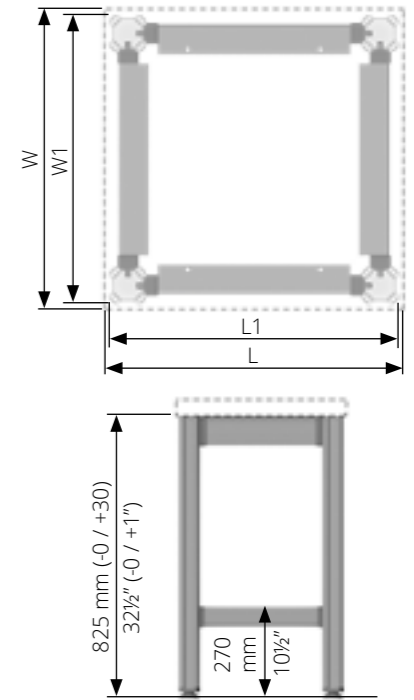
Special measures by request



ALUMINUM STRUCTURE FOR CHOPPING BLOCKS WITH LOWER FRAME*

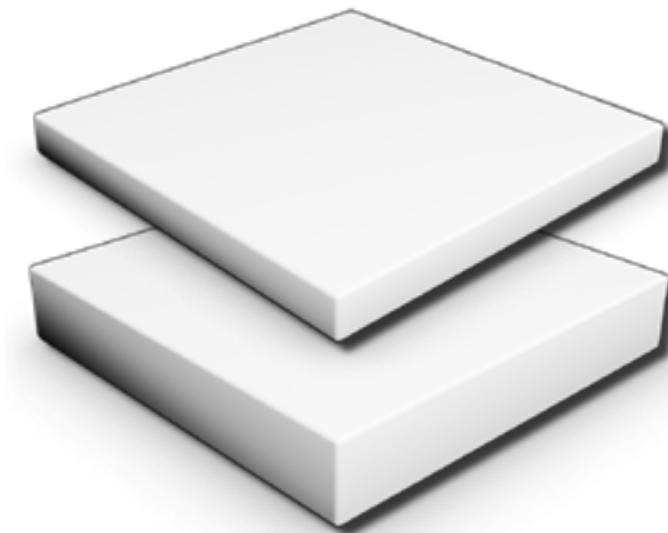
Working plane		Aluminum framework dimensions		
L x W		P/N	L1 x W1	
mm	in.		mm	in.
400 x 400	15¾" x 15¾"	SAC210	355 x 355	14" x 14"
500 x 400	19½" x 15¾"	SAC215	482 x 355	19" x 14"
600 x 400	24" x 15¾"	SAC220	555 x 355	21¾" x 14"
700 x 400	27½" x 15¾"	SAC225	632 x 355	24¾" x 14"
500 x 500	19½" x 19½"	SAC240	482 x 482	19" x 19"
600 x 500	24" x 19½"	SAC245	555 x 482	21¾" x 19"
700 x 500	27½" x 19½"	SAC250	632 x 482	24¾" x 19"
600 x 600	24" x 24"	SAC265	555 x 555	21¾" x 21¾"
700 x 600	27½" x 24"	SAC270	632 x 555	24¾" x 21¾"
700 x 700	27½" x 27½"	SAC285	632 x 632	24¾" x 24¾"

*The lower shelf is never used with the chopping block



POLYETHYLENE WORK PLANE FOR CHOPPING BLOCKS

Work plane		Height 2" (50 mm)	Height 3" (80 mm)
L x W		P/N	P/N
mm	in.		
400 x 400	15¾" x 15¾"	P5CP10	P8CP10
500 x 400	19½" x 15¾"	P5CP15	P8CP15
600 x 400	24" x 15¾"	P5CP20	P8CP20
700 x 400	27½" x 15¾"	P5CP25	P8CP25
500 x 500	19½" x 19½"	P5CP40	P8CP40
600 x 500	24" x 19½"	P5CP45	P8CP45
700 x 500	27½" x 19½"	P5CP50	P8CP50
600 x 600	24" x 24"	P5CP65	P8CP65
700 x 600	27½" x 24"	P5CP70	P8CP70
700 x 700	27½" x 27½"	P5CP85	P8CP85



POLYETHYLENE COVER FOR WORK PLANES

Work plane		Cover for work plane
L x W		P/N
mm	in.	
400 x 400	15¾" x 15¾"	CCP010
500 x 400	19½" x 15¾"	CCP015
600 x 400	24" x 15¾"	CCP020
700 x 400	27½" x 15¾"	CCP025
500 x 500	19½" x 19½"	CCP040
600 x 500	24" x 19½"	CCP045
700 x 500	27½" x 19½"	CCP050
600 x 600	24" x 24"	CCP065
700 x 600	27½" x 24"	CCP070
700 x 700	27½" x 27½"	CCP085



ALUMINUM WORKING TABLES



Structure made of 20 micron anodized aluminum.
 Working plane in polyethylene H 25 / 50 mm (1" / 2").
 Lower shelf available by request. (replaces the longitudinal bars)
 Wheels with brakes can be added to make the working table movable.
 Easy to assemble is shipped un-mounted to improve transport efficiency.



Special measures by request



Framework with lower frame + working plane



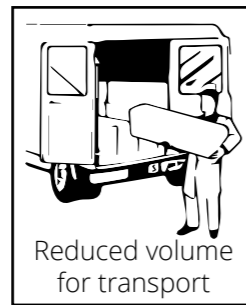
Assembly Video



Framework with lower shelf + working plane



Framework with lower shelf + working plane with back upstand



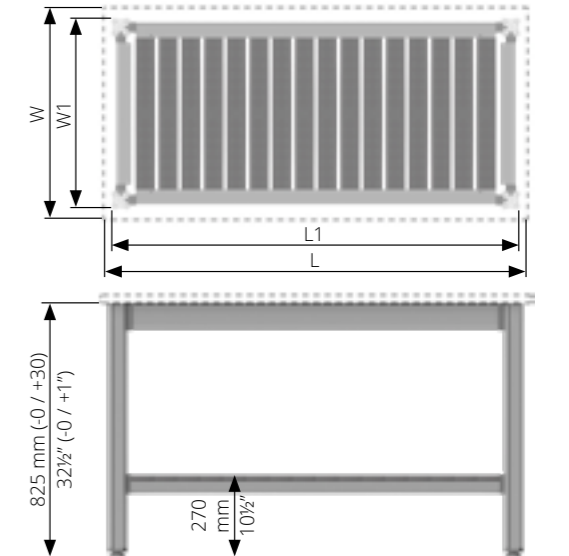
Reduced volume for transport



Framework with lower shelf + working plane + 4 wheels kit

ALUMINUM STRUCTURE FOR WORKING TABLES WITH LOWER FRAME ON 4 SIDES

Working plane L x W		Aluminum framework dimensions		
mm	in.	P/N	mm	in.
1000 x 500	39½" x 19½"	SAT210	974 x 482	38¼" x 19"
1000 x 600	39½" x 23½"	SAT211	974 x 482	38¼" x 19"
1000 x 700	39½" x 27½"	SAT212	974 x 632	38¼" x 24¾"
1200 x 500	47¼" x 19½"	SAT215	1124 x 482	44¼" x 19"
1200 x 600	47¼" x 23½"	SAT220	1124 x 482	44¼" x 19"
1200 x 700	47¼" x 27½"	SAT225	1124 x 632	44¼" x 24¾"
1400 x 600	55" x 23½"	SAT227	1349 x 482	53" x 19"
1400 x 700	55" x 27½"	SAT228	1349 x 632	53" x 24¾"
1500 x 600	59" x 23½"	SAT230	1424 x 482	56" x 19"
1500 x 700	59" x 27½"	SAT235	1424 x 632	56" x 24¾"
2000 x 700	78¾" x 27½"	SAT240	1949 x 632	76¾" x 24¾"



ALUMINUM STRUCTURE FOR WORKING TABLES WITH LOWER SHELF

Work plane L x W		Plastic shelf			Aluminum shelf			Solid aluminum shelf		
mm	in.	P/N	Dimensions		P/N	Dimensions		P/N	Dimensions	
			mm	in.		mm	in.		mm	in.
1000 x 500	39½" x 19½"	SAT310	450 x 850	18" x 33½"	SAT410	450 x 850	18" x 33½"	SAT510	450 x 850	18" x 33½"
1000 x 600	39½" x 23½"	SAT311	450 x 850	18" x 33½"	SAT411	450 x 850	18" x 33½"	SAT511	450 x 850	18" x 33½"
1000 x 700	39½" x 27½"	SAT312	600 x 850	24" x 33½"	SAT412	600 x 850	24" x 33½"	SAT512	600 x 850	24" x 33½"
1200 x 500	47¼" x 19½"	SAT315	450 x 1000	18" x 39"	SAT415	450 x 1000	18" x 39"	SAT515	450 x 1000	18" x 39"
1200 x 600	47¼" x 23½"	SAT320	450 x 1000	18" x 39"	SAT420	450 x 1000	18" x 39"	SAT520	450 x 1000	18" x 39"
1200 x 700	47¼" x 27½"	SAT325	600 x 1000	24" x 39"	SAT425	600 x 1000	24" x 39"	SAT525	600 x 1000	24" x 39"
1400 x 600	55" x 23½"	SAT327	450 x 1225	18" x 48¼"	SAT427	450 x 1225	18" x 48¼"	SAT527	450 x 1225	18" x 48¼"
1400 x 700	55" x 27½"	SAT328	600 x 1225	24" x 48¼"	SAT428	600 x 1225	24" x 48¼"	SAT528	600 x 1225	24" x 48¼"
1500 x 600	59" x 23½"	SAT330	450 x 1300	18" x 51"	SAT430	450 x 1300	18" x 51"	SAT530	450 x 1300	18" x 51"
1500 x 700	59" x 27½"	SAT335	600 x 1300	24" x 51"	SAT435	600 x 1300	24" x 51"	SAT535	600 x 1300	24" x 51"
2000 x 700	78¾" x 27½"	SAT340	600 x 1825	24" x 72"	SAT440	600 x 1825	24" x 72"	SAT540	600 x 1825	24" x 72"

POLYETHYLENE WORK PLANE H 25 mm (1")*

Work plane L x W		Without back upstand	With back upstand (H 120 mm - 4¾")
mm	in.	P/N	P/N
1000 x 500	39½" x 19½"	P2TV10	P2AZ10
1000 x 600	39½" x 23½"	P2TV11	P2AZ11
1000 x 700	39½" x 27½"	P2TV12	P2AZ12
1200 x 500	47¼" x 19½"	P2TV15	P2AZ15
1200 x 600	47¼" x 23½"	P2TV20	P2AZ20
1200 x 700	47¼" x 27½"	P2TV25	P2AZ25
1400 x 600	55" x 23½"	P2TV27	P2AZ27
1400 x 700	55" x 27½"	P2TV28	P2AZ28
1500 x 600	59" x 23½"	P2TV30	P2AZ30
1500 x 700	59" x 27½"	P2TV35	P2AZ35
2000 x 700	78¾" x 27½"	P2TV40	P2AZ40

*H 50 mm available upon request

4 WHEELS KIT Ø 125 mm (5") WITH BRAKES*

P/N	Description
ATA010	4 wheels kit Ø 125 mm (5") with brake in thermoplastic material CAN BE PURCHASED ONLY WITH THE STRUCTURE

*Always add the lower shelf to the structure



WORKSTATION

STAND-ALONE WORKING TABLE

Made to be used where the walls can not support the installation of a bracket (prebuild walls, plasterboard walls, refrigerated panels, etc.)

Structure made of 20 micron anodized aluminum.

Removable working planes for easy cleaning in polyethylene H 25 mm (1").

Additional lower shelf.

Complete with 2 foldable shelf D 375 mm (15").

Hanging bar standard, complete with "S" shaped hooks.

Easy to assemble is shipped un-mounted to improve transport efficiency.

STRUCTURE FOR WORK TABLE EQUIPPED WITH SHELVES

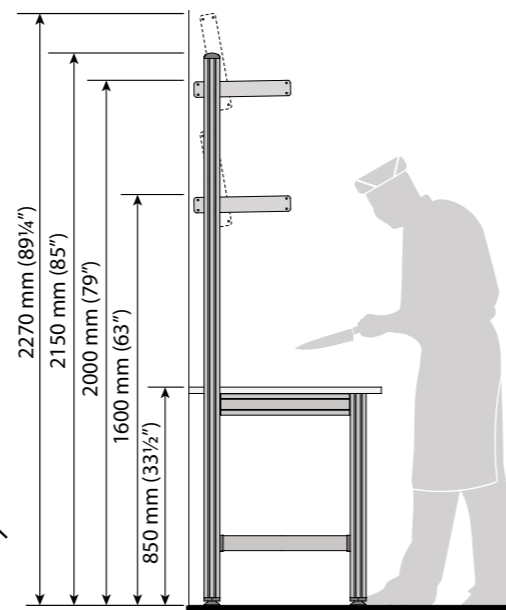
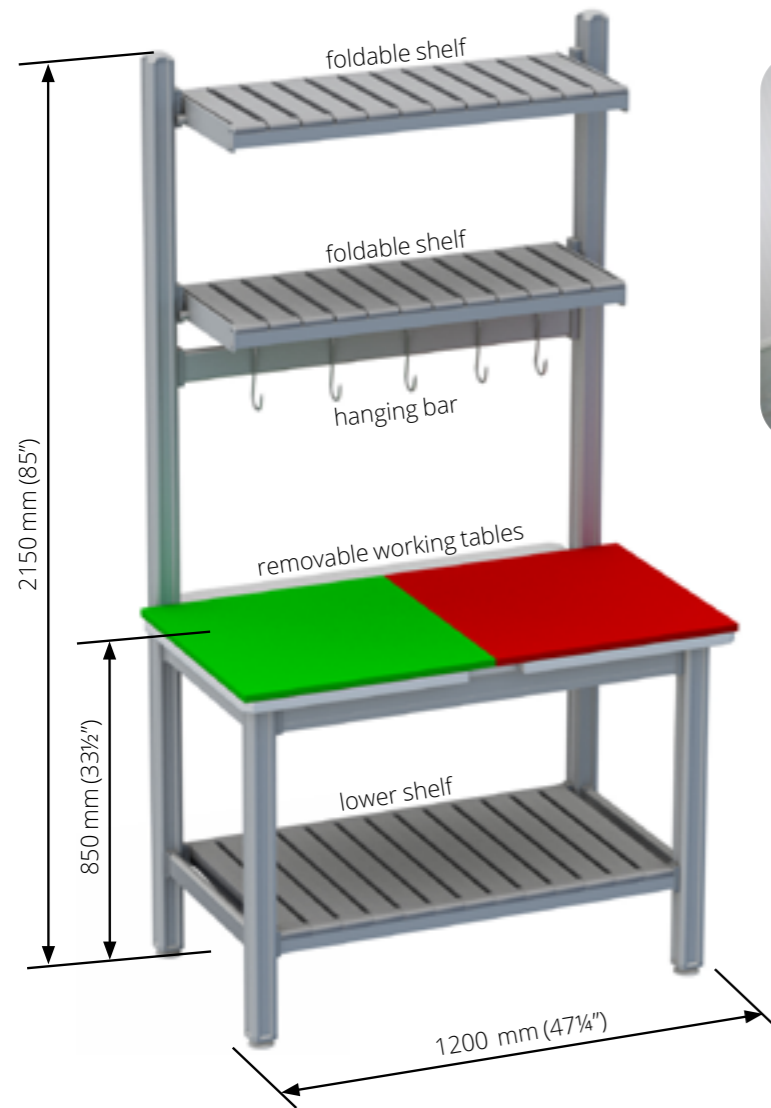
P/N	Length	Width	Work plane height	Total height
TPS026	1200 mm (47¼")	750 mm (29½")	850 mm (33½")	2150 mm (85")

STANDARD WORK PLANE

P/N	Description
P2TV26	Polyethylene work plane 1200x750xH 25 mm (47¼"x29½"xH1") - WHITE COLOUR

KIT WORKING PLANE WITH CUTTING BOARDS

P/N	Description
P2TV46	Polyethylene work plane 1200x750xH 25 mm (47¼"x29½"xH¾") - WHITE COLOUR
P2TV47	Polyethylene work plane 600x600xH 20 mm (24"x24"xH¾") - GREEN COLOUR
P2TV48	Polyethylene work plane 600x600xH 20 mm (24"x24"xH¾") - RED COLOUR



STAINLESS STEEL PROTECTIONS



ROBUSTNESS

- very impact resistant
- easily repairable

AESTHETICS

- no visible welding
- no visible fixing

HYGIENE

- specific hygiene materials:
stainless steel and polyethylene
- precision assemblies without interstices
- rounded corners and edges

MODULARITY

- easily adaptable even in case of renovation
- disassembly, modifications and repairs do not need skilled labor

CHEAP

- lasting over time
- easily reusable
- requires no special maintenance

QUOTES ARE MADE ON REQUEST



90 ° stainless steel protection arch



REMOVABLE STAINLESS STEEL PROTECTIONS



Special realizations on request



90 ° angle in asymmetrical stainless steel tube

ALUMINUM

Aluminum, thanks to the large quantity of bauxite and its versatility, is the most widely used metal after steel. Aluminum can be used in a vast number of applications and types of recycle due to its characteristics:

- Lightweight but impact resistant.
- Durable.
- Resistant to corrosion.
- Non-toxic and without effects to the taste and the color of foods.
- Hygienically safe (protection against light, air, humidity, odors and microorganisms).
- Non-magnetic: it is not attracted to magnets and can therefore be used in the manufacturing of devices like as radios, radar and stereo .
- Malleable, ductile, easily workable.
- Versatile: can form many alloys, both rigid and flexible.
- 100% recyclable.

Currently a quarter of European needs is met by using aluminum metal second melting, which can be recycled basically forever. The same metal could be used as metal lid of a yogurt container for two months, being recycled as part of a car engine for many years, and being again recycled for a third time.

Recycled aluminum saves 95% of the needed energy to manufacture it from ore, most of the industrialized countries keep on developing systems of scrap collection that can now retrieve up to 70% of all aluminum components of cars.

Since the use of aluminum in transportation, household appliances, packaging and other sectors is growing, the collection and recycle of the metal are always more important.



HIGH DENSITY POLYETHYLENE

The high-density polyethylene (HDPE) is a thermoplastic polymer derived from oil widely used in food and beverage industry. HDPE has little ramifications so that the intermolecular forces and tensile resistance are higher than in fluid varieties of polyethylene. It has high mechanical strength and good rigidity and it's resistant to acids, alkalis, saline solutions and organic solvents.

HDPE has a high specific strength and can withstand high temperatures (120° c for short periods, 90° c continuously). In contrast to polypropylene, has an excellent resistance to low temperatures. HDPE, as well as LDPE and pet, is one of the easiest to recycle polymer and it's widely reused thanks to the differentiate urban rubbish collection. HDPE is recycled for the production of liquid containers, bags, packaging, agricultural pipes, bollards, football pitches and artificial wood.



TONON FOR A SUSTAINABLE DEVELOPMENT

Sustainable development meets the needs of present generations without compromising the possibility for future generations to meet their needs, a process where the resource management, the direction of investments, the orientation of technological development and institutional changes live in complete harmony and increase current and future capabilities to satisfy human needs and ambitions.

For this reason, we decided to use only recyclable materials like aluminum and high-density polyethylene to manufacture our products. For example, polyethylene and aluminum are used for the production of a new plastic material, the ecoallene®.

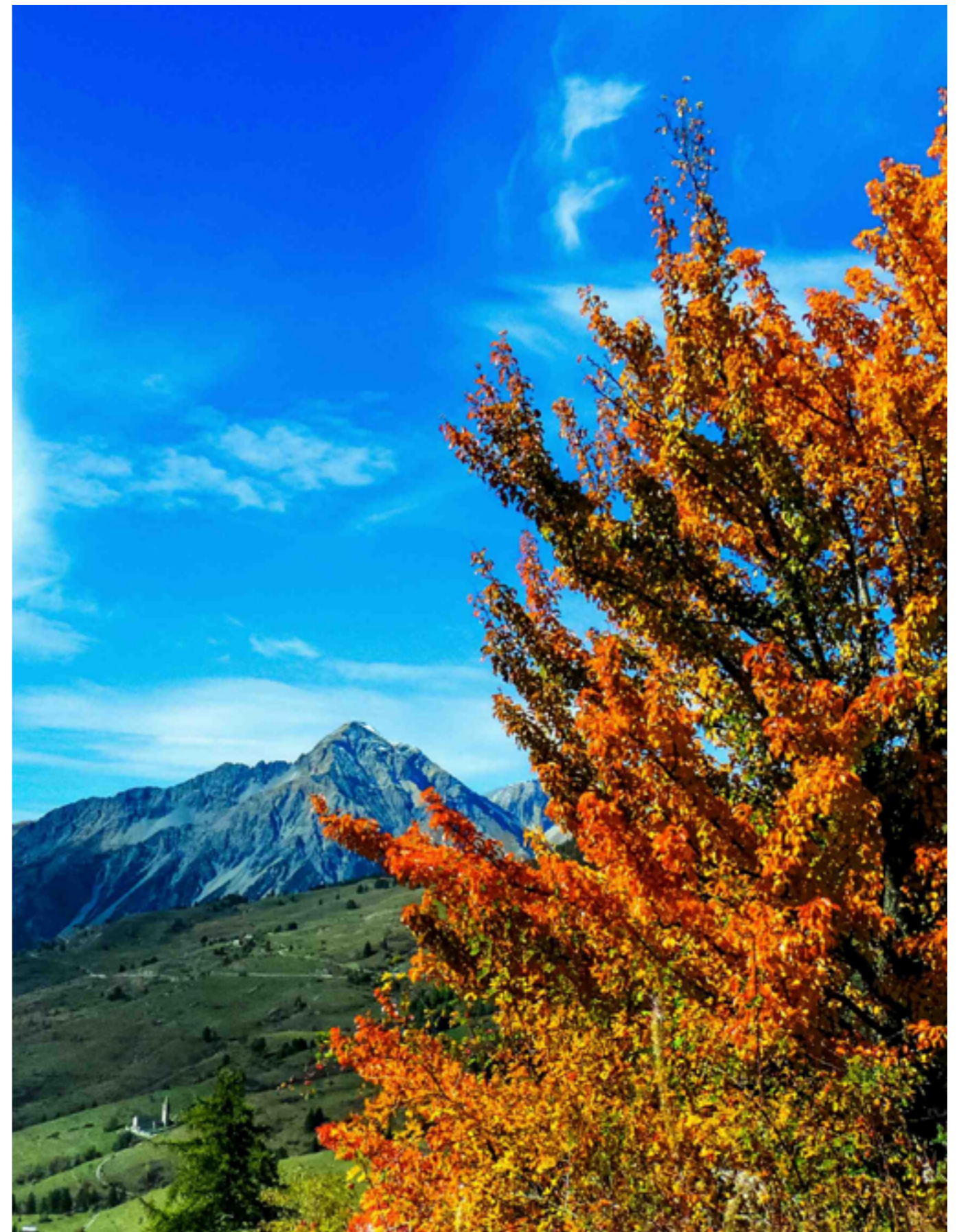
This versatile and durable plastic material, is packaged and sold in the form of granules and it's suitable for use in various sectors of the plastic molding. In Germany, polyethylene and aluminum are used as catalysts in cement kilns. The mixture of polymers and aluminum refuels the furnaces as a form of alternative fuel, usually replacing coal.

In Brazil, a patented machine cleans polyethylene and aluminum in the process of recycling paper. This machine allow higher efficiency in the fiber salvage, and, at the same time, better quality pellets for injection molding. The combined properties of polymers and aluminum allow the production of cardboard sheets to be used in construction.



FLAT PACKAGING

Thanks to the flat packaging, transport volumes are reduced and consequentially the CO2 emissions in the air.





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