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version: PP-A-14-ENG

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Perfoplug is a puck, or plug socket system that enables one to assemble all kinds of wall presentations. You can decide where to attach it, which quantity is desired, and which bolt pattern to use. We have set the standard at a 600 mm axis distance between centres of each presentation.

There are six groups of products within the overall Perfoplug program.

PERF[®]PLUG[®] BASE

Our first program consists of matt nickel aluminum plug sockets that assume a conical shape towards the back side. The Ø15 mm rounded-off pins are elegant and refined. These are often used in shoe shops, fashion, lingerie and accessories, but also by private projects.

PERF[®]PLUG[®] PREMIUM

Has the same technique as Perfoplug Base but comes in a more luxurious and robust design. The plug sockets are made of brushed stainless steel with compatible solid Ø20 mm or Ø30 mm brushed stainless steel tube. Perfoplug Premium can carry a heavier load and has a luxurious appearance.

PERF[®]PLUG[®] LITE

As the name implies, this is the light version of the Base program. The insert parts have a diameter of 12 mm. Perfoplug Lite is widely used in the lingerie sector.

PERF[®]PLUG[®] FINE

This program within the Perfoplug family contains two sub groups of diameters, Ø4 and Ø8 mm. The looks of this slim system makes Perfoplug Fine perfect for presenting lightweight products.

PERF[®]PLUG[®] FLOOR

In this program floor sockets are available with solid Ø15 mm tube, but there is also a heavier version where Ø25 mm or Ø30 mm tubes are available. This is a very stable system and fits perfectly onto the adapter. These series are especially fit for developing customized products.

SPECIAL FEATURES:

- The plug sockets do not twist due to the sharp serrated edges at the back.
- A relatively large part of the plugs is in contact with the back wall. In comparison with other systems it is therefore stronger and can carry a heavier maximum load (the wood stays intact for a longer time).
- The Perfoplug system has many assembly possibilities. Not only assembly on standard plates but also on stone, concrete, glass, etc.
- Many similar systems start to sag under normal load, but the Perfoplug pins are bend slightly upwards because the pins are produced with an angle at the pin's end.
- The different pieces fit perfectly because the section of the pin inserted in the wall is conical.
- Furthermore, we have a hugely diverse range of insertable parts. Many different lengths are available as well.
- We even supply several adaptors that allow you to make customized insertable parts.

Next to the plug sockets and the tubes, this documentation also contains the different assembly pieces, and instructions are available per assembly.

Most pieces show maximum load. Calculations have been made to ensure minimal sag under maximum load. During this calculation we have only taken the maximum load of the sockets into account, not the load of the wooden panels. The quality of the base material the sockets are inserted in defines whether the maximum load can be safely achieved or not.

We advise **against the use of chipboard**, please use MDF or birch plywood.

General note:: This documentation has been produced with the utmost care. The information is non-binding and we accept no responsibility for its correctness. We are not liable for print or layout errors. In the interest of Product development, details are subject to change without prior notice.

NEW COLOURS

For many years we have been successful with the Perfoplug puck system. The stainless steel insert parts give stores a luxurious look. Yet sometimes we get the question whether this system is also available in other materials. This is now possible. That is, we can now colour the stainless steel insert parts into various metal colours such as copper, bronze, brass, gold and more.

During a unique process, the stainless steel gets its new colour and a harder and smoother surface layer (which is even more solid than chrome) is applied to the stainless steel product. During this treatment, the structure of the stainless steel is not affected. So if it is polished, it remains polished and when it is brushed this appearance remains unchanged.

A second possibility is to manufacture the insert parts of aluminum and anodise these. This, too, offers a wide range of colours to apply. Please pay attention to the fact that aluminum parts have lower load capacities than the stainless steel insert parts. This gives a 10-15 % lower maximum load capacity.

Both ways of colouring come with additional costs. This is highly dependent on the volume and dimensions of the desired Perfoplug products. Please do not hesitate to ask us about the many possibilities.



PERF  **PLUG**® BASE



PERFOPLUG BASE

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Product	PLUG SOCKET			
Description	Conical plug socket with sharp serrated edging for firm positioning.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	See assembly instructions	Ø 35	35	72.1035.11
		Ø 40	35	72.1040.11
Material	Stainless Steel			
	See assembly instructions	Ø 35	35	72.1035.21



Product	PLUG SOCKET WITH POSITION RIDGES			
Description	Conical plug socket. On the back side two position ridges have been added to allow use with CNC fraise. Also for fast and easy assembly.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	See assembly instructions	Ø 35	35	72.1135.11
		Ø 40	35	72.1140.11



Product	SCREW SOCKET TO BE USED WITH WOOD			
Description	Conical screw socket to be screwed and glued into wooden frame. For retrofitting in existing panels using a minimum construction depth of 45 mm. Minimum panel thickness at least 18 mm.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	See assembly instructions	Ø 35	47	72.1235.11



Product	WALL PLUG SOCKET			
Description	Conical plug socket to be mounted on wall. Includes plastic plug S20.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	See assembly instructions	Ø 40	95	72.1340.11



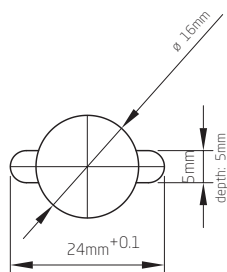
ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON PLATES)

1. Accurately drill a Ø16 mm hole when using the standard assembly set containing a nut and two rings.
2. Accurately drill a Ø 20.2 mm hole when using the Ø60 mm collar nut.
3. Tighten plug socket and align it vertically using assembly wrench.
4. Maximum load depends heavily on type of plate material. The loads mentioned below have been based on at least 18 mm thick plates. When using a good quality chipboard and the standard assembly set the maximum loads are 15 and 16 kg (Ø35 and Ø40 mm plug socket respectively), the maximum loads using the collar nut Ø60mm are 17 and 19 kg respectively. However, **we recommend the use of MDF or plywood**, since these materials have proved to be a lot more stable. In this case the maximum loads using the standard assembly set are 17 and 19 kg (Ø35 and Ø40 mm plug socket), the maximum loads using the Ø60 mm collar nut are 20 and 24 kg respectively. To prevent the panel from bending it is advisable to attach vertical profiles lengthwise.



ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON GLASS)

1. Accurately drill (or have drilled) a hole of Ø22 mm.
2. Place the first glass ring over the plug socket, insert in hole and place second ring.
3. Tighten decorative nut with hook wrench (72.0048.08). Glass thickness may vary between 8-15 mm.
4. Use the assembly wrench to vertically align the plug socket.
5. The maximum load of the plug socket using glass depends entirely of the maximum load the glass can carry. For more information contact your glass supplier.



ASSEMBLY INSTRUCTIONS PLUG SOCKET WITH POSITION RIDGES

1. Hole size is Ø16 mm through-and-through.
2. The size of the two notches for the position ridges is Ø5 mm, the notches are 5 mm deep.
3. Attention: the position ridges should be located in a horizontal line to the hole, so at square angles with the vertically positioned notches on the front side of the plug socket.
4. The total distance between the ends of the notches should be 24 mm with a + 0.1 mm margin.
5. Also see diagram inlay in picture.
6. Maximum load depends heavily on type of plate material. The loads mentioned below have been based on at least 18 mm thick plates. When using a good quality chipboard and the standard assembly set the maximum loads are 15 and 16 kg (Ø35 and Ø40 mm plug socket respectively). However, **we recommend the use of MDF or plywood**, these materials have proved to be a lot more stable. In this case the maximum loads using the standard assembly set are 17 and 19 kg (Ø35 and Ø40 mm plug socket), the maximum loads using the Ø60 mm collar nut are 20 and 24 kg respectively. To prevent the panel from bending it is advisable to attach vertical profiles lengthwise.





ASSEMBLY INSTRUCTIONS MOUNTING FLANGE

1. Accurately drill a Ø20.2 mm hole.
2. Clean out hole by blowing and degrease mounting flange.
3. Apply glue, Araldite[®] 2012 (setting time is 4 minutes), to the glue grooves of the mounting flange and in the hole in the panel.
4. Insert the flange into the hole and tighten onto panel using plywood screws Ø3 x 18 mm.
5. Insert the plug socket Ø35 mm into the flange and fasten.
6. Align the plug socket vertically using the assembly wrench. When needed use spacer ring(s) to align.
7. **Attention:** The use of **chipboard** is **not advisable** here, as maximum load is only 8 kg per plug socket. MDF, solid wood or plywood can take a considerably larger load, depending on material used and thickness, the maximum load lies between 14 and 18 kg.



ASSEMBLY INSTRUCTIONS PLUG SOCKET (WOOD, PLATE AND SOLID WOOD).

1. Accurately drill a Ø15 mm hole.
2. Clean out hole by blowing and degrease plug socket.
3. Apply glue, Araldite[®] 2012 (setting time is 4 minutes), to the glue grooves of the plug socket.
4. Insert the assembly wrench into the plug socket and using a hammer tap the plug socket until the thread in the hole.
5. Tighten plug socket with assembly wrench until the shoulder touches the wood and align the plug socket vertically.
6. **Attention:** The use of **chipboard** is **not advisable** here, as the maximum load is only 8 kg per plug socket. MDF, solid wood or plywood can take a considerably larger load, depending on material used and thickness the maximum load lies between 14 and 18 kg.

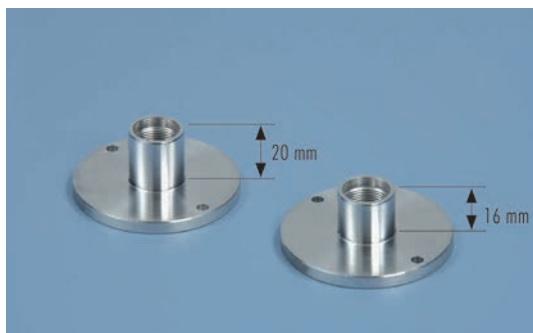


ASSEMBLY INSTRUCTIONS WALL PLUG SOCKET

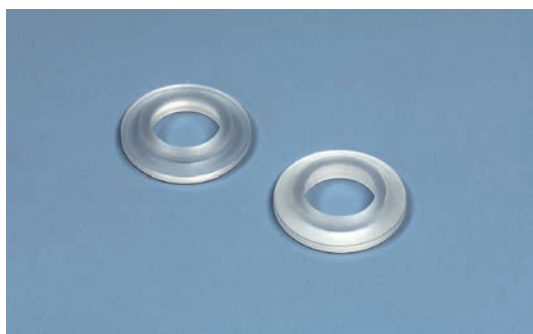
1. Make sure the letters TOP on the drilling jig point upwards.
2. Accurately drill a Ø20 mm hole with a minimum depth of 110-120 mm. (Attention: minimum drill bit length 25 cm)
3. Push the plastic plug into the hole. When performing masonry push the plug in 15 mm, in the case of concrete push it in 25 mm.
4. Fasten the wall plug socket using the assembly wrench into the plastic plug until the shoulder hits the wall, and align the plug socket vertically.
5. The maximum load in this case is highly dependent on the state and the type of wall.



Product	ASSEMBLY SET		
Description	Assembly set for plug socket. Consists of a Ø70 mm counter disk, serrated ring and M16x1 nut. Maximum plate thickness 19 mm.		
Material	Zinc-coated Steel		
	Load cap. See assembly instructions	Diameter Ø 70	Article 73.0050.05



Product	COLLAR NUT		
Description	For heavy duty assembly with plug socket. With two 4.3 mm screw holes. Plate thickness 18 or 22 mm. The collar nut can not be used in combination with the plug socket with position ridges! Use cotter wrench to tighten (72.0046.08).		
Material	Raw Aluminum		
	Load cap. See assembly instructions	Diameter Ø 60 Ø 60	Depth 16 20 Article 72.0024.10 72.0026.10



Product	SET OF GLASS RINGS		
Description	To be used in assembly of plug socket on glass, sold in pairs.		
Material	Clear Plastic		
	Diameter Ø 35	Article 72.0030.30	



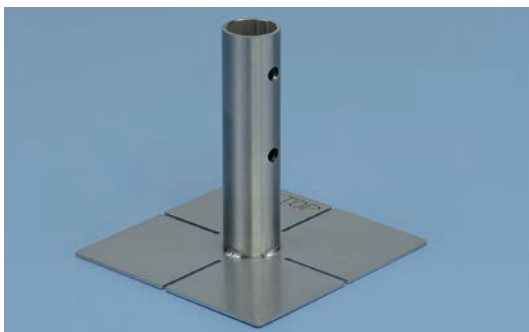
Product	DECORATIONAL NUT FOR GLASS		
Description	Nicely finished nut for assembly of plug socket onto glass (minimum 6 to maximum 16 mm) To attach, use hook wrench with pin (72.0048.08).		
Material	Anodized Aluminum satin nickel-plated		
	Load cap. See assembly instructions	Diameter Ø 30 Depth 27	Article 72.0035.11



Product	SPACER RING		
Description	To be used in combination with mounting flange, in order to be able to align the plug socket.		
Material	Raw Aluminum		
	Diameter	Depth	Article
	Ø 35	0.25	72.0038.10



Product	MOUNTING FLANGE		
Description	It is possible to use this assembly without attaching it to the back side. To be fastened on the front side, after which the plug socket can be inserted. Minimum depth 30 mm. Minimum wall thickness 18 mm.		
Material	Raw Aluminum		
	Load cap.	Diameter	Depth
	See assembly instructions	Ø 35	28
			Article
			72.0040.10



Product	DRILLING JIG		
Description	Drilling jig for wall plug socket, to make a hole in the right angle. With alignment grooves and "TOP" indication.		
Material	Stainless Steel		
			Article
			72.0043.20



Product	ASSEMBLY WRENCH		
Description	Used to vertically align plug socket. Used for all sockets of the Base and Premium series except plug socket with position ridges.		
Material	Stainless Steel		
			Article
			72.0044.20



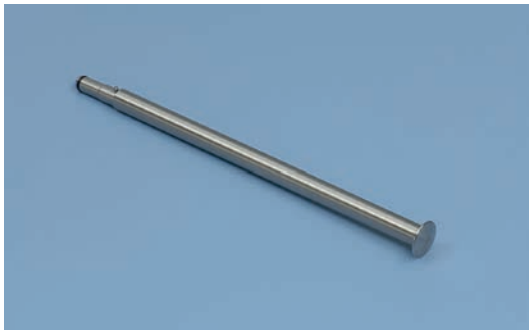
Product	COTTER WRENCH	
Description	Wrench for collar nut fastening.	
		Article 72.0046.08



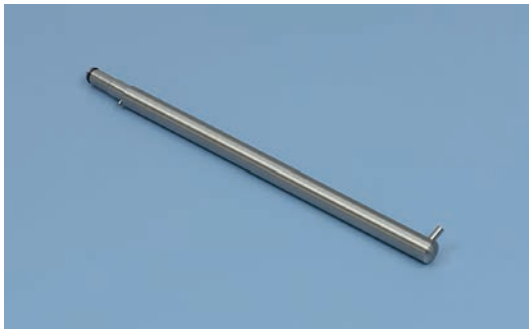
Product	HOOK WRENCH WITH PIN 25-28	
Description	Wrench for fastening of decorative nut for glass shelf.	
		Article 72.0048.08



Product	STAINLESS STEEL CLEANER & POLISH	
Description	Cleans, shines and protects stainless steel in one application.	
	Volume 600 ml	Article 72.0050.99



Product	FRONT ARM WITH CAP			
Description	Straight pin with conically shaped end cap.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	160	72.2005.21
	18	Ø 15	260	72.2010.21
	17	Ø 15	310	72.2015.21



Product	FRONT ARM WITH STIFT			
Description	Straight pin with stiff Ø5 mm at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	20	Ø 15	50	72.2020.21
	19	Ø 15	80	72.2021.21
	19	Ø 15	100	72.2022.21
	18	Ø 15	160	72.2024.21
	18	Ø 15	260	72.2026.21
	17	Ø 15	310	72.2028.21



Product	CARRYING ARM FOR GLASS WITH CAP			
Description	Straight pin with conical end cap and rubber glass rings at front and back for glass shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	260	72.2034.21
	17	Ø 15	310	72.2036.21
	14	Ø 15	360	72.2038.21



Product	CARRYING ARM FOR GLASS			
Description	Straight pin with rubber glass rings at front and back for glass shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	200	72.2042.21
	18	Ø 15	260	72.2044.21
	17	Ø 15	310	72.2046.21
	14	Ø 15	360	72.2048.21



Product	CARRYING ARM FOR WOOD			
Description	Straight pin with two sunk-in holes Ø4 mm. For wooden shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	260	72.2053.21
	17	Ø 15	310	72.2055.21
	14	Ø 15	360	72.2057.21



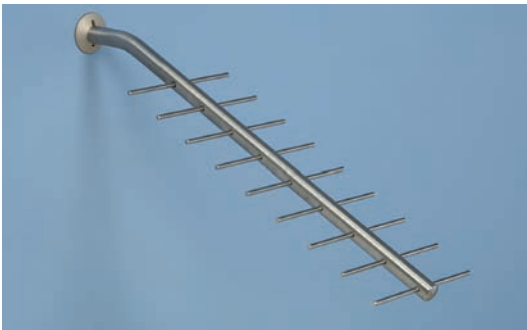
Product	CARRYING ARM FOR BLIND ASSEMBLY			
Description	Straight pin to be fully inserted (long bore) and glued in wooden shelf. Shelf must be at least 38 mm thick. Drill diameter Ø15.2 mm. Note: always use pairwise.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	150	72.2058.21
	18	Ø 15	200	72.2059.21
	18	Ø 15	250	72.2060.21



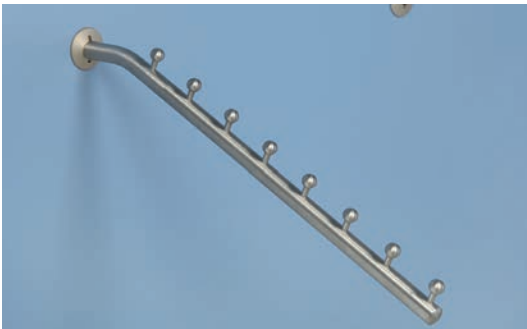
Product	PRESENTATION PIN			
Description	Straight pin converted at the end by 20°.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	3	Ø 8	120	72.2062.21
	2.5	Ø 8	170	72.2064.21
	2.5	Ø 8	220	72.2066.21
	2	Ø 8	270	72.2068.21



Product	PRESENTATION PIN WITH STIFT			
Description	Straight pin with a stift at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	3	Ø 8	120	72.2072.21
	2.5	Ø 8	170	72.2074.21
	2.5	Ø 8	220	72.2076.21
	2	Ø 8	270	72.2078.21



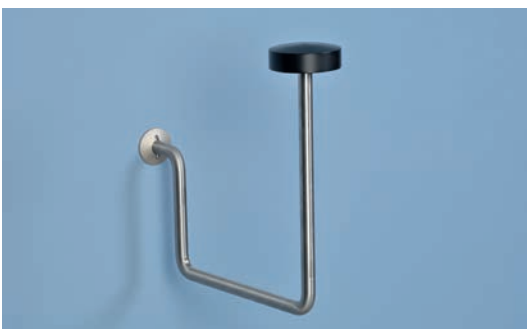
Product	TIE PRESENTATION ARM			
Description	Diagonal pin for 18 ties.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	380	72.2081.21



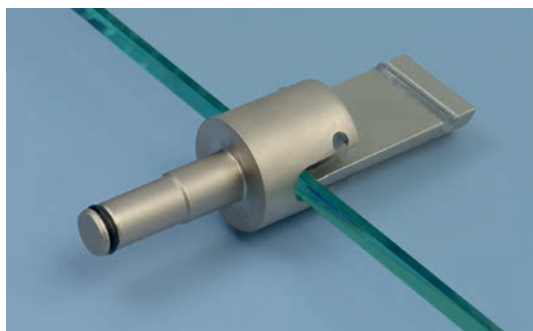
Product	FRONT ARM SLOPING			
Description	Diagonal pin with 7 or 8 studs for clothes hangers.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 15	350	72.2082.21
	18	Ø 15	380	72.2083.21



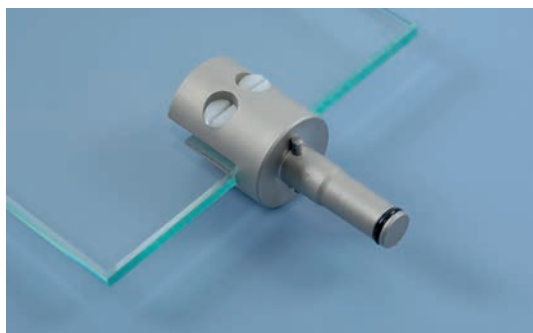
Product	FRONT ARM STEPPED				
Description	Stepped pin with conical cap at the end.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Height	Depth	Article
	16	Ø 15	150	330	72.2085.21
	14	Ø 15	150	410	72.2086.21



Product	HAT/HELMET HOLDER				
Description	Holder with plastic top.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Height	Depth	Article
	14	Ø 12	225	225	72.2084.21



Product	GLASS HOLDER			
Description	Glass support for 8 mm glass shelf. Minimal two needed per shelf.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	9	Ø 28	99	72.2090.11



Product	MONO GLASS HOLDER			
Description	Single glass shelf holder for 6/8 mm glass with plastic clamp screws. Does not tilt.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	4	Ø 30	22	72.2094.11



Product	SHOE RACK 600				
Description	Consists of two diagonal pins (bolt pattern 600 mm) and three crossbeams which can be adjusted in different positions.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Width	Depth	Article
	5	Ø 15	800	310	72.2088.21



Product	SHOE BRACKET				
Description	To present one shoe.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Width	Depth	Article
	3	Ø 6	185	140	72.2232.21



Product	WOOD ADAPTER	
Description	For a small wooden shelf or acrylic shelf. Minimum thickness of wood is 16 mm and acrylic 12 mm and up. Drill a hole of Ø5 mm x 32 mm. Adapter with wood thread for bonding (two components glue).	
Material	Stainless Steel	
		Article 72.2246.21



Product	SIGN HOLDER			
Description	Holder for 4 mm thick advertisement sign. The sign can be attached at the back with two M4 screws.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Depth	Article
	2	Ø 30	14	72.2095.11



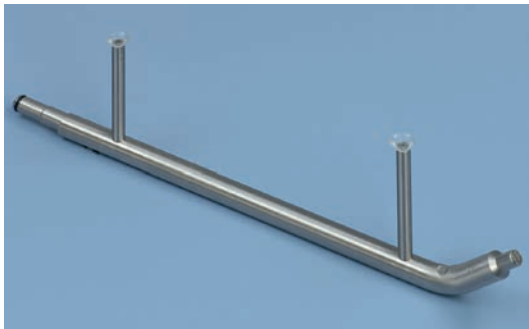
Product	PANEL HOLDER		
Description	Holder with two holes Ø3.8 mm to attach panels or similar. Axis size of the holes is 22 mm. Use spax screws Ø3.5 mm.		
Material	Raw Aluminum		
	Diameter	Depth	Article
	Ø 30	4	72.2097.10



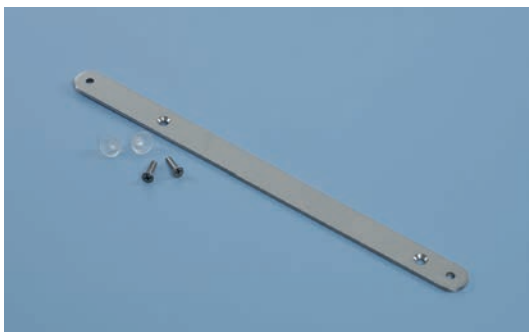
Product	ADAPTER		
Description	For various applications. To be used as base for customized presentation arms .		
Material	Brushed Stainless Steel		
	Diameter	Length	Article
	Ø 15	10	72.2096.21
	Ø 15	20	72.2098.21



Product	CARRIER ARM FOR HANGING BRACKET			
Description	Carrier arm to be used with transverse carrier tube.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Depth	Article
	20	Ø 15	250	72.2111.21
	20	Ø 15	300	72.2112.21



Product	CARRIER ARM FOR HANGING BRACKET WITH SHELF SUPPORT				
Description	Carrier arm to be used with transverse carrier tube. Has two pins with a hole for protective support as well as thread M4 to attach thoroughly. Designed to support wooden or glass shelf.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Height	Depth	Article
	20	Ø 15	95	300	72.2116.21



Product	SHELF SUPPORT FOR HANGING BRACKET			
Description	For a fixed attachment of a shelf onto the carrier arm for hanging bracket with shelf support. Always make use of this support when using oversized shelves. Including screws and protective glass supports.			
Material	Brushed Stainless Steel			
	Height	Width	Depth	Article
	3	20	290	72.2126.21

ASSEMBLY INSTRUCTIONS HANGING BRACKET

Turn the carrier arms into the holes of the carrier tube and attach the construction to the plug sockets.

PROPERTIES

The carrier arms points upwards at the ends. Because of this, the clothes hangers, as opposed to most other socket systems, can be moved along the whole length of the carrier tube. The separate delivery of the carrier arms and the carrier tube saves space during transport and storage. Furthermore, one can increase the maximum load by using more carrier arms.

The length of the carrier tube can be adapted to the customer's needs on demand. It is also possible to order other carrier arms later on when one decides to use the version with the pins to support a shelf, or want to change the other way around, from shelf-carrier arms to regular ones.





Product	CARRIER TUBE FOR HANGING BRACKET		
Description	Transverse carrier tube for hanging bracket with Ø35 mm end disc. Has three flow drilled holes, axis size 300 mm.		
Material	Brushed Stainless Steel		
	Diameter	Width	Article
	Ø 25	1160	72.2120.21



Product	CARRIER TUBE FOR HANGING BRACKET		
Description	Transverse carrier tube for hanging bracket with Ø35 mm end disc. Sizing (length) and amount of holes at client's choice.		
Material	Brushed Stainless Steel		
	Diameter	Width	Article
	Ø 25	72.2122.21



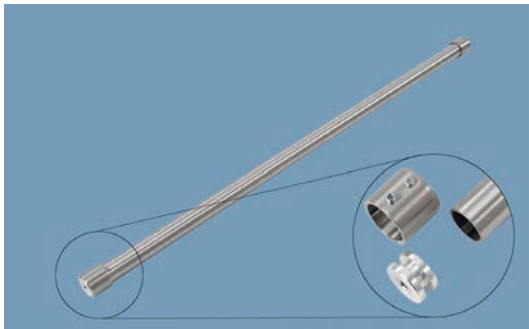
Product	T-ARM				
Description	T-shaped arm with extra support for higher load and to prevent twisting. A second plug socket is needed here at a vertical axis distance of 200 mm. The carrier tube has a diameter of Ø20 mm with a Ø30 mm end disc. The arm points upwards at the end so the clothes hangers can slide all the way through.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Width	Depth	Article
	15	Ø 15	500	300	72.2102.21



Product	TUBE HOLDER Ø25			
Description	For mounting a tube Ø25 mm under a wooden shelf. With four screw holes Ø4.3 mm axis 21.5 mm.			
Material	Brushed Stainless Steel			
	Diameter	Height	Depth	Article
	Ø 10 / Ø 40	89	12	72.2110.21



Product	FLANGE STAINLESS STEEL		
Description	Wall flange out of massive stainless steel including three sunk-in holes.		
Material	Stainless Steel		
	Diameter	Depth	Article
	Ø 60 / Ø 25.5	10	72.2129.20



Product	FITTING ROOM CURTAIN ROD		
Description	Rod Ø20 mm for fitting room curtain. Including assembly parts for blind assembling. Length is intermediate size.		
Material	Brushed Stainless Steel		
	Diameter	Length	Article
	Ø 20	650	72.2151.21



Product	FITTING ROOM HOOK		
Description	Hook for fitting room. For bonding into wooden panels. Minimum wall thickness is 19 mm. Please note: only for light load.		
Material	Brushed Stainless Steel		
	Diameter	Length	Article
	Ø 12 / 20	30	72.2153.21



Product	FITTING ROOM HOOK		
Description	Screw hook for fitting rooms with disc Ø20mm. Includes bolt M6 x 35 mm and a washer. Suitable for panels with a thickness of 16 to 22mm.		
Material	Brushed Stainless Steel		
	Diameter	Length	Article
	Ø 12 / 20	50	72.2155.21

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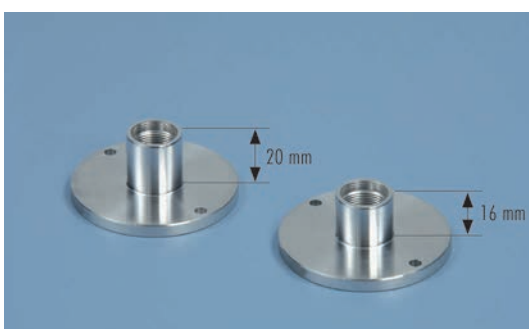
Product	PLUG SOCKET			
Description	Luxurious flat plug socket with sharp serrated edging to ensure fixed position.			
Material	Brushed Stainless Steel			
	Load cap. See assembly instructions	Diameter Ø 50	Depth 35	Article 73.1050.21



Product	COVERING CAP			
Description	To cover the opening in unused plug sockets.			
Material	Stainless Steel			
		Diameter Ø 15		Article 73.0070.21



Product	ASSEMBLY SET			
Description	Assembly set for plug socket. Consists of a Ø70 mm counter disk, serrated ring and M16x1 nut. Maximum plate thickness 19 mm.			
Material	Zinc-coated Steel			
	Load cap. See assembly instructions	Diameter Ø 70		Article 73.0050.05



Product	COLLAR NUT			
Description	For heavy duty assembly with plug socket. With two 4.3 mm screw holes. Plate thickness 18 or 22 mm. Use cotter wrench to tighten (72.0046.08).			
Material	Raw Aluminum			
	Load cap. See assembly instructions	Diameter Ø 60 Ø 60	Depth 16 20	Article 72.0024.10 72.0026.10



ASSEMBLY INSTRUCTIONS PLUG SOCKET

1. Accurately drill a Ø16 mm hole when using the standard assembly set (consists of one bolt and two rings)
2. Accurately drill a Ø20.2 mm hole when using the Ø60 mm collar nut.
3. Fasten the plug socket and align it vertically using the assembly wrench.
4. Maximum load depends heavily on type of plate material. Using a good quality chipboard and the standard attachment set, the maximum load is 20 kg; using the Ø60 mm collar nut it is 27 kg. However, we recommend the use of MDF or plywood, these materials have proved to be a lot more stable. In this case the maximum load using the standard assembly set is 26 kg, the maximum load using the Ø60 mm collar nut is 35 kg. To prevent the panel from bending it is advisable to attach vertical profiles lengthwise.



Product	ASSEMBLY WRENCH	
Description	Used to align the plug socket vertically.	
Material	Stainless Steel	
		Article 72.0044.20



Product	COTTER WRENCH	
Description	Wrench for collar nut fastening.	
		Article 72.0046.08



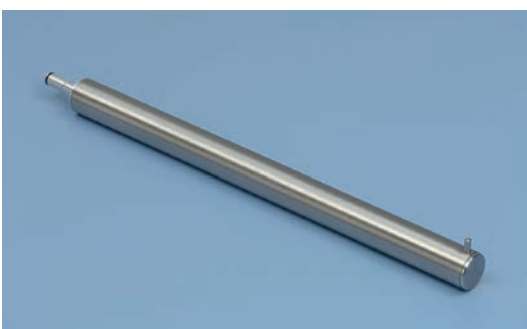
Product	FRONT ARM 100			
Description	Straight pin with a Ø5 mm stiff at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	35	Ø 30	100	73.2010.21



Product	FRONT ARM 200			
Description	Straight pin with a Ø5 mm stiff at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	30	Ø 30	200	73.2020.21



Product	FRONT ARM 300			
Description	Straight pin with a Ø5 mm stiff at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	27	Ø 30	300	73.2030.21



Product	FRONT ARM 400			
Description	Straight pin with a Ø5 mm stiff at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	23	Ø 30	400	73.2040.21



Product	CARRYING ARM FOR GLASS 200			
Description	Straight pin with two protective supports for glass. For glass shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	25	Ø 30	200	73.2220.21



Product	CARRYING ARM FOR GLASS 300			
Description	Straight pin with two protective supports for glass. For glass shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	22	Ø 30	300	73.2230.21



Product	CARRYING ARM FOR GLASS 400			
Description	Straight pin with two protective supports for glass. For glass shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	18	Ø 30	400	73.2240.21



Product	CARRYING ARM FOR WOOD 200			
Description	Straight pin with two sunk-in holes Ø5.2 mm. For wooden shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	32	Ø 20	200	73.2420.21



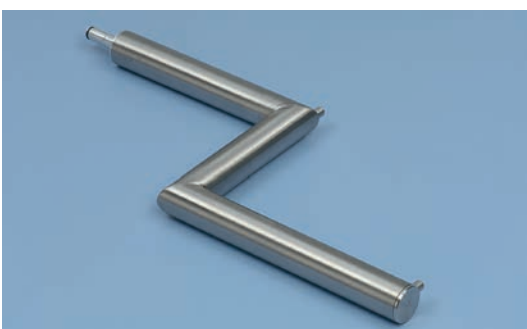
Product	CARRYING ARM FOR WOOD 300			
Description	Straight pin with two sunk-in holes Ø5.2 mm. For wooden shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	30	Ø 20	300	73.2430.21



Product	CARRYING ARM FOR WOOD 400			
Description	Straight pin with two sunk-in holes Ø5.2 mm. For wooden shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	25	Ø 20	400	73.2440.21



Product	FRONT ARM SLOPING			
Description	Diagonal pin with seven Ø5 mm studs for clothes hangers.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Depth	Article
	25	Ø 30	350	73.2835.21



Product	FRONT ARM STEPPED				
Description	Stepped pin with Ø8 mm studs at the end.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Height	Depth	Article
	25	Ø 30	150	410	73.2941.21



Product	CARRIER ARM FOR HANGING BRACKET				
Description	Carrier arm to be used with transverse carrier tube.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Depth	Article	
	30	Ø 20	300	73.3030.21	



Product	CARRIER ARM FOR HANGING BRACKET WITH SHELF SUPPORT				
Description	Carrier arm to be used with transverse carrier tube. Has two pins with a hole for protective support as well as thread M4 to attach thoroughly. Designed to support wooden or glass shelf.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Height	Depth	Article
	30	Ø 20	100	300	73.3130.21

ASSEMBLY INSTRUCTIONS HANGING BRACKET

Turn the carrier arms into the holes of the carrier tube and attach the construction to the plug sockets.



PROPERTIES

The carrier arms point upwards at the ends. Because of this, the clothes hangers, as opposed to most other socket systems, can be moved along the whole length of the carrier tube. The separate delivery of the carrier arms and the carrier tube saves space during transport and storage. Furthermore, one can increase the maximum load by using more carrier arms. The length of the carrier tube can be adapted to the customer's needs on demand. It is also possible to order other carrier arms later on when one decides to use the version with the pins to support a shelf, or want to change the other way around, from shelf-carrier arms to regular ones.



Product	CARRIER TUBE FOR HANGING BRACKET			
Description	Transverse carrier tube for hanging bracket with Ø5 mm stiffts at each end. Sizing (length) and the amount of holes at client's choice.			
Material	Brushed Stainless Steel			
	Diameter	Width	Article	
	Ø 30	73.4000.21	



Product	CARRIER TUBE FOR HANGING BRACKET 1160		
Description	Transverse carrier tube for hanging bracket with Ø5 mm stifts at each end. Has three flow drilled holes, axis 300 mm.		
Material	Brushed Stainless Steel		
	Diameter	Width	Article
	Ø 30	1160	73.4116.21



Product	CARRIER ARMS FOR SUPPORT BAR		
Description	Carrier arms for support bar. Sold in pairs.		
Material	Brushed Stainless Steel		
	Load cap.	Diameter	Depth
	25	Ø 20	50
			Article
			73.5005.21



Product	STRIP FOR SUPPORT BAR		
Description	Luxury support bar made of flat brushed stainless steel strip. All kinds of pins can be hooked onto it, axis 600 mm. To be used with carrier arms.		
Material	Brushed Stainless Steel		
	Height	Width	Depth
	30	635	6
			Article
			73.6060.21



Product	PRESENTATION HOOK		
Description	Straight pin for support bar converted at the end by 20°.		
Material	Brushed Stainless Steel		
	Load cap.	Diameter	Length
	3	Ø 6	100
	3	Ø 6	150
	2.5	Ø 6	200
			Article
			73.6510.21
			73.6515.21
			73.6520.21



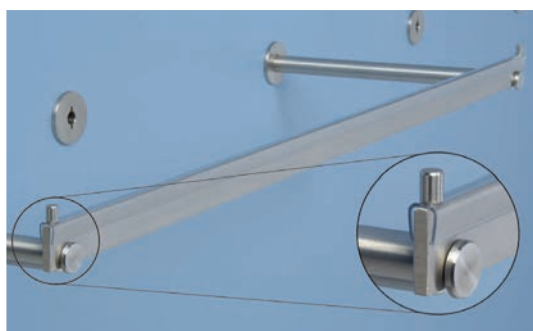
Product	FRONT ARM SUPPORT BAR			
Description	Straight pin for support bar with end-notch.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	7	Ø 20	152	73.6615.21
	7	Ø 20	282	73.6628.21



Product	FRONT ARM SLOPING FOR SUPPORT BAR			
Description	Diagonal pin for support bar with 6 notches for clothes hangers.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Depth	Article
	7	Ø 20	300	73.6730.21



Product	CARRIER ARM FOR HANGING BAR			
Description	Carrier arms for hanging bar. Sold in pairs. To be used with strip.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Depth	Article
	25	Ø 20	292	73.5029.21
	20	Ø 20	342	73.5034.21



Product	STRIP FOR HANGING BAR			
Description	Luxury hanging bar made of brushed stainless strip, using transparent plastic top profile for protection of hangers, pitch 600 mm. To be used with carrier arms.			
Material	Brushed Stainless Steel			
	Height	Width	Depth	Article
	30	635	6	73.6061.21

PERF  **PLUG**® LITE



PERFOPLUG LITE

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Product	PLUG SOCKET LITE			
Description	Conical plug socket with sharp serrated edging for firm positioning.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap. See assembly instructions	Diameter Ø 25	Depth 35	Article 72.3025.11
Material	Stainless Steel			
	See assembly instructions	Ø 25	35	72.3025.21



Product	PLUG SOCKET LITE WITH POSITION RIDGES			
Description	Conical plug socket. On the back side two position ridges have been added to allow use with CNC fraise. Also for fast and easy assembly.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap. See assembly instructions	Diameter Ø 25	Depth 35	Article 72.3125.11



Product	ASSEMBLY SET			
Description	Assembly set for plug socket. Consists of a Ø50 mm counter disk, serrated ring and M16x1 nut. Maximum plate thickness 19 mm.			
Material	Zinc-coated Steel			
	Load cap. See assembly instructions	Diameter Ø 50		Article 72.0010.05



Product	COLLAR NUT			
Description	For heavy duty assembly with plug socket. With two 4.3 mm screw holes. Plate thickness 18 or 22 mm. Use cotter wrench to tighten (72.0046.08).			
Material	Raw Aluminum			
	Load cap. See assembly instructions	Diameter Ø 60	Depth 16	Article 72.0024.10
		Ø 60	20	72.0026.10



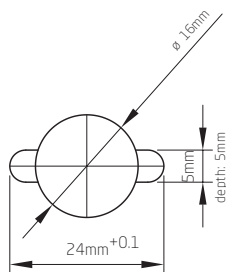
ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON PLATES USING THE STANDARD ASSEMBLY SET)

1. Accurately drill a $\varnothing 16$ mm hole.
2. Tighten plug socket and align it vertically using assembly wrench.
3. Maximum load depends heavily on type of plate material. The loads mentioned below have been based on at least 18 mm thick plates. When using a good quality chipboard the maximum load is 10 kg. However, **we recommend the use of MDF or plywood**, these materials have proved to be a lot more stable. In this case the maximum load is 12 kg. To prevent the panel from bending it is advisable to attach vertical profiles lengthwise.



ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON PLATES USING THE $\varnothing 60$ MM COLLAR NUT)

1. Accurately drill a $\varnothing 20.2$ mm hole.
2. Tighten plug socket and align it vertically using assembly wrench.
3. Maximum load depends heavily on type of plate material. The loads mentioned below have been based on at least 18 mm thick plates. When using a good quality chipboard the maximum load is 13 kg. However, **we recommend the use of MDF or plywood**, these materials have proved to be a lot more stable. In this case the maximum load is 15 kg. To prevent the panel from bending it is advisable to attach vertical profiles lengthwise.



ASSEMBLY INSTRUCTIONS PLUG SOCKET WITH POSITION RIDGES

1. Hole size is $\varnothing 16$ mm through-and-through and the size of the two notches for the position ridges is $\varnothing 5$ mm, the notches are 5 mm deep. (Attention: the position ridges should be located in a horizontal line to the hole, so at square angles of the vertically positioned notches on the front side of the plug socket.)
2. The total distance between the ends of the notches should be 24 mm with a + 0.1 mm margin. (Also see diagram inlay in picture.)
3. Maximum load depends heavily on type of plate material. The loads mentioned below have been based on at least 18 mm thick plates. When using a good quality chipboard and the standard assembly set the maximum load is 10 kg. However, **we recommend the use of MDF or plywood**, these materials have proved to be a lot more stable. In this case the maximum load using the standard assembly set is 12 kg. To prevent the panel from bending it is advisable to attach vertical profiles lengthwise.



Product	ASSEMBLY WRENCH		
Description	Used to vertically align plug socket. Used for all plug sockets except plug sockets with position ridges.		
Material	Stainless Steel		
		Article	72.0044.20



Product	COTTER WRENCH		
Description	Wrench for collar nut fastening.		
		Article	72.0046.08



Product	FRONT ARM Ø12 WITH STIFT			
Description	Straight pin with stiff Ø5 mm at the end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	11	Ø 12	100	72.3202.21
	11	Ø 12	160	72.3204.21
	11	Ø 12	260	72.3206.21
	11	Ø 12	310	72.3208.21



Product	T FRONT ARM Ø12 WITH STIFT				
Description	Horizontal bracket between two plug sockets with straight pin Ø12 mm and with stiff Ø5 mm at the end. Axis of the plug sockets is 400 mm.				
Material	Brushed Stainless Steel				
	Load cap.	Diameter	Width	Length	Article
	15	Ø 12	500	310	72.3218.21



Product	CARRIER ARM FOR GLASS			
Description	Straight pin with rubber glass rings at front and back for glass shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	11	Ø 12	200	72.3224.21
	11	Ø 12	260	72.3226.21
	11	Ø 12	310	72.3228.21



Product	CARRIER ARM FOR WOOD			
Description	Straight pin with two sunk-in holes Ø4 mm. For wooden shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	11	Ø 12	260	72.3236.21
	11	Ø 12	310	72.3238.21



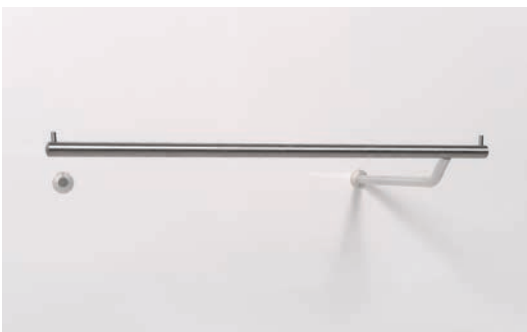
Product	FRONT ARM SLOPING			
Description	Diagonal pin with 7 stifts for clothes hangers.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	11	Ø 12	350	72.3242.21



Product	CARRIER ARM FOR HANGING BRACKET			
Description	Carrier arm to be used with transverse carrier tube.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	10	Ø 12	250	72.3411.21



Product	CARRIER TUBE FOR HANGING BRACKET			
Description	Transverse carrier tube for hanging bracket with Ø5 mm stiffts at each end. Sizing (length) and the amount of holes at client's choice.			
Material	Brushed Stainless Steel			
	Diameter	Length		Article
	Ø 15		72.3420.21



Product	CARRIER TUBE FOR HANGING BRACKET 1160			
Description	Transverse carrier tube for hanging bracket with Ø5 mm stiffts at each end. With two drilled holes, axis 400 mm.			
Material	Brushed Stainless Steel			
	Diameter	Length		Article
	Ø 15	500		72.3421.21



ASSEMBLY INSTRUCTIONS HANGING BRACKET:

Put the carrier arms into the holes of the carrier tube and attach the construction to the plug sockets.

PROPERTIES:

The carrier arms point upwards at the ends. Because of this, the clothes hangers, as opposed to most other socket systems, can be moved along the whole length of the carrier tube. The separate delivery of the carrier arms and the carrier tube saves space during transport and storage. Furthermore, one can increase the maximum load by using more carrier arms. The length of the carrier tube can be adapted to the customer's needs on demand.



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Product	PLUG SOCKET Ø4			
Description	Conical plug socket including assembly set (nut and disk). Fit for accessories with a diameter of Ø4 mm.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap. See assembly instructions	Diameter Ø 14.5	Length 27	Article 72.4411.11



Product	PLUG SOCKET Ø4 SPECTACLE			
Description	Same as above, only this plug socket is especially made for the MONO glasses holder.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap. See assembly instructions	Diameter Ø 14.5	Length 27	Article 72.4411.11BRIL



Product	PLUG SOCKET Ø4 FOR BONDING			
Description	Conical plug socket for bonding into wood. Minimum wall thickness is 16 mm. Fit for accessories with a diameter of Ø4 mm.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap. See assembly instructions	Diameter Ø 14.5	Depth 22	Article 72.4413.11



Product	WALL PLUG SOCKET Ø4		
Description	Conical plug socket to be mounted on wall. Includes plastic plug. Fit for accessories with a diameter of Ø4 mm.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter Ø 14.5	Depth 37	Article 72.4415.11



ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON PLATES)

1. Accurately drill a Ø8 mm hole and place the plug socket.
2. To tighten the nut, use a wrench no 13.
3. To align the plug socket vertically, use a hexagon wrench no 4.
4. Load capacity: only for lightweight products such as accessories and glasses.



ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON GLASS)

1. Accurately drill (or have drilled) a Ø10 mm hole.
2. Place the first glass ring over the plug socket, insert in hole and place second ring.
3. Tighten the nut. Glass thickness may vary between 6 and 15 mm.
4. To align the plug socket vertically, use a hexagon wrench no 4.
5. Load capacity: only for lightweight products such as accessories and glasses.



ASSEMBLY INSTRUCTIONS PLUG SOCKET FOR BONDING

1. Accurately drill a Ø8 mm hole.
2. Clean out the hole by blowing and degrease plug socket.
3. Apply glue, Araldite[®] 2012, to the glue grooves of the plug socket.
4. Insert the plug socket with rotating motion into the wood.
5. To align the plug socket vertically, use a hexagon wrench no 4.
6. Load capacity: only for lightweight products such as accessories and glasses.



ASSEMBLY INSTRUCTIONS WALL PLUG SOCKET

1. Accurately drill a Ø10 mm hole with a depth of 37 mm minimum.
2. Clean out the hole by blowing.
3. Insert the included plastic plug into the hole.
4. Tighten and align the plug socket wall vertically, into the plastic plug, using a hexagon wrench no 4.
5. Load capacity: only for lightweight products such as accessories and glasses.



Product	SET OF GLASS RINGS			
Description	To be used in assembly of plug socket on glass, sold in pairs.			
Material	Clear Plastic			
	Diameter			Article
	Ø 14.5			72.4403.30



Product	DECORATIONAL NUT FOR GLASS		
Description	Nicely finished nut for assembly of plug socket onto glass (minimum 6 to maximum 16 mm).		
Material	Raw Aluminum		
	Diameter	Depth	Article
	Ø 15	20.5	72.4404.10



Product	PRESENTATION PIN Ø4		
Description	Presentation pin converted at the end by 20°. For load, see assembly instructions.		
Material	Brushed Stainless Steel		
	Diameter	Length	Article
	Ø 4	30	72.5422.21
	Ø 4	60	72.5423.21
	Ø 4	90	72.5424.21



Product	SHOE BRACKET Ø4			
Description	Single shoe presentation. Axis size is 190 mm.			
Material	Stainless Steel			
	Diameter	Width	Depth	Article
	Ø 4	194	130	72.5472.20



Product	MONO GLASSES HOLDER			
Description	Single spectacle presentation. IMPORTANT: use only in combination with the special plug socket Ø4 mm spectacle. (72.4411.11BRIL)			
Material	Brushed Stainless Steel			
	Diameter	Width	Depth	Article
	Ø 4	180	165	72.5460.21



Product	SOLO GLASSES HOLDER			
Description	Single spectacle presentation. Axis size is 190 mm.			
Material	Brushed Stainless Steel			
	Diameter	Width	Depth	Article
	Ø 4	200	170	72.5461.21



Product	DUO GLASSES HOLDER			
Description	Dual spectacle presentation. Axis size is 380 mm.			
Material	Brushed Stainless Steel			
	Diameter	Width	Depth	Article
	Ø 4	390	170	72.5462.21



Product	TRIO GLASSES HOLDER			
Description	Triple spectacle presentation. Axis size is 570 mm.			
Material	Brushed Stainless Steel			
	Diameter	Width	Depth	Article
	Ø 4	580	170	72.5463.21



Product	PLUG SOCKET Ø8		
Description	Conical plug socket including plain nut Ø25 mm with two screw holes. Fit for accessories with a diameter of Ø8 mm.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	Ø 22	26	72.4811.11



Product	PLUG SOCKET Ø8 FOR BONDING		
Description	Conical plug socket for bonding into wood. Minimum wall thickness is 16 mm. Fit for accessories with a diameter of Ø8 mm.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	Ø 22	24	72.4813.11



Product	WALL PLUG SOCKET Ø8		
Description	Conical plug socket to be mounted on wall. Includes plastic plug. Fit for accessories with a diameter of Ø8 mm.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	Ø 15	71	72.4815.11



ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON PLATES)

1. Accurately drill a Ø12 mm hole and place the plug socket.
2. To tighten the plain nut, use hook wrench with pin (72.0046.08). For extra security, the use of two screws through the holes is possible.
3. To align the plug socket vertically, use a hexagon wrench no 8.
4. The maximum load is 3 kg per plug socket.



ASSEMBLY INSTRUCTIONS PLUG SOCKET (MOUNTING ON GLASS)

1. Accurately drill (or have drilled) a Ø14 mm hole.
2. Place the first glass ring over the plug socket, insert in hole and place second ring.
3. Tighten the nut. Glass thickness may vary between 8 and 15 mm.
4. To align the plug socket vertically, use a hexagon wrench no 8.
5. The maximum load is 3 kg per plug socket.



ASSEMBLY INSTRUCTIONS PLUG SOCKET FOR BONDING

1. Accurately drill a Ø12 mm hole.
2. Clean out the hole by blowing and degrease plug socket.
3. Apply glue, Araldite[®] 2012, to the glue grooves of the plug socket.
4. Insert the plug socket with rotating motion into the wood.
5. To align the plug socket vertically, use a hexagon wrench no 8.
6. The maximum load is 2.5 kg per plug socket.



ASSEMBLY INSTRUCTIONS WALL PLUG SOCKET

1. Accurately drill a Ø14 mm hole, with a minimum depth of 85-95 mm, using the drilling jig. Make sure the word TOP on the drilling jig point upwards.
2. Clean out the hole by blowing.
3. Push the plastic plug into the hole. When performing masonry push the plug in 6 mm, in the case of concrete push it in 18 mm.
4. Tighten and align the wall plug socket vertically, into the plastic plug, using a hexagon wrench no 8.
5. The maximum load is 3.5 kg per plug socket.



Product	SET OF GLASS RINGS		
Description	To be used in assembly of plug socket on glass, sold in pairs.		
Material	Clear Plastic		
	Diameter		Article
	Ø 22		72.4803.30



Product	DECORATIONAL NUT FOR GLASS		
Description	Nicely finished nut for assembly of plug socket onto glass (minimum 6 to maximum 16 mm).		
Material	Raw Aluminum		
	Diameter	Length	Article
	Ø 25	21	72.4804.10



Product	DRILLING JIG		
Description	Drilling jig for wall plug socket, to make a hole in the right angle. Has alignment grooves and "TOP" indication.		
Material	Stainless Steel		
			Article
			72.4802.20



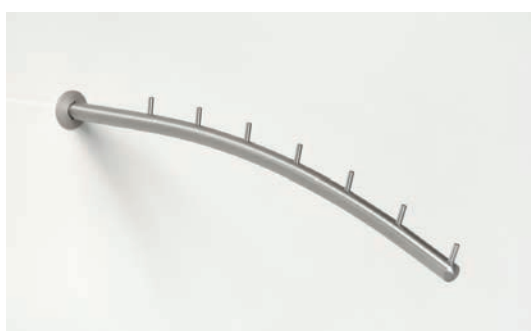
Product	FRONT ARM			
Description	Straight pin with stiff at end.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	3.5	Ø 8	100	72.5813.21
	3.5	Ø 8	150	72.5814.21
	3.5	Ø 8	200	72.5815.21
	3	Ø 8	250	72.5816.21
	2.5	Ø 8	300	72.5817.21



Product	PRESENTATION ARM			
Description	Straight pin converted at the end by 20°.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	3.5	Ø 8	100	72.5823.21
	3.5	Ø 8	150	72.5824.21
	3.5	Ø 8	200	72.5825.21
	3	Ø 8	250	72.5826.21
	2.5	Ø 8	300	72.5827.21



Product	CARRYING ARM GLASS/WOOD			
Description	Straight pin with two rubber rings for lightweight glass- wooden shelf.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	3.5	Ø 8	150	72.5834.21
	3	Ø 8	200	72.5835.21
	2.5	Ø 8	250	72.5836.21
	2.5	Ø 8	300	72.5837.21



Product	FRONT ARM SLOPING			
Description	Curved sloping pin with 7 studs.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	2.5	Ø 8	300	72.5844.21



Product	SHOE ARM			
Description	Straight pin to present shoes. Use pairwise per shoe.			
Material	Brushed Stainless Steel			
	Load cap.	Diameter	Length	Article
	2.5	Ø 8	130	72.5871.11



Product	GLASS HOLDER FOR GLASSES			
Description	Glass holder for 6 mm glass. Due to the distance of the glass of 33 mm from the wall, the legs of the spectacles can hang over the edge of the shelf. Use at least two holders a shelf. Adviced axis size is 190 mm per spectacle.			
Material	Anodized Aluminum satin nickel-plated			
	Load cap.	Diameter	Length	Article
	2.5	Ø 17.5	47	72.5860.11



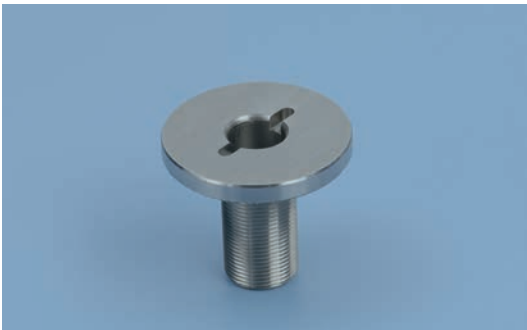
Product	PANEL HOLDER			
Description	Holder with two holes Ø3.5 mm to attach panels or similar. Axis size of the holes is 17 mm.			
Material	Raw Aluminum			
	Diameter	Depth	Article	
	Ø 25	3	72.5852.10	

PERF  **PLUG**[®] FLOOR

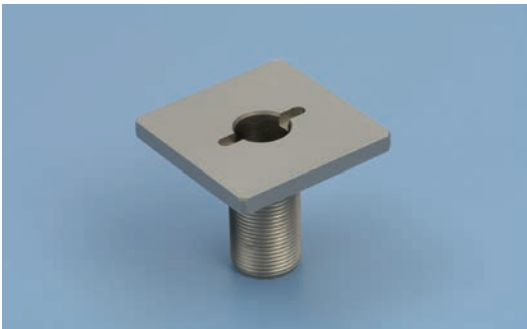


PERFOPLUG FLOOR

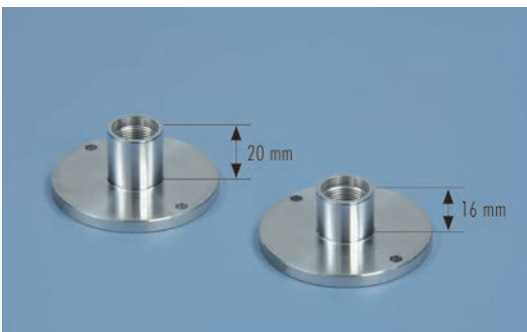
Duckboard plug sockets	page 39
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Product	DUCKBOARD PLUG SOCKET		
Description	Plug socket to be attached to duckboard, with a sharp serrated edging for fixed positioning.		
Material	Brushed Stainless Steel		
	Diameter	Depth	Article
	Ø 40	35	72.8112.21



Product	DUCKBOARD PLUG SOCKET SQUARE		
Description	Plug socket to be attached to duckboard, with a sharp serrated edging for fixed positioning.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	40x40	35	72.8114.11



Product	COLLAR NUT		
Description	For assembly with duckboard plug socket. Has two 4,3 mm screw holes. Plate thickness 18 or 22 mm. Use cotter wrench to tighten (72.0046.08).		
Material	Raw Aluminum		
	Diameter	Depth	Article
	Ø 60	16	72.0024.10
	Ø 60	20	72.0026.10



ASSEMBLY INSTRUCTIONS DUCKBOARD PLUG SOCKET

1. Accurately drill a Ø20.2 mm hole.
2. Place the Ø60 mm collar nut and the duckboard plug socket.
3. Align with the assembly wrench and tighten using the cotter wrench. (72.0046.08)



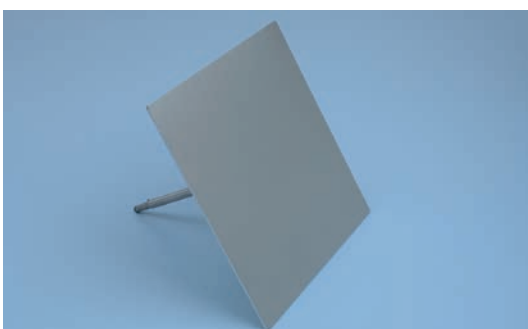
Product	ASSEMBLY WRENCH		
Description	Use to align duckboard plug socket.		
Material	Stainless Steel		
		Article	72.0044.20



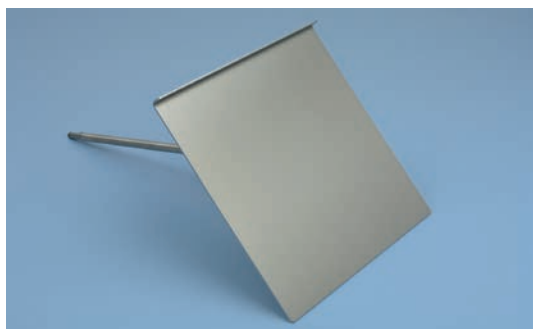
Product	COTTER WRENCH		
Description	Wrench for collar nut tightening.		
		Article	72.0046.08



Product	FLOOR PIN			
Description	Upright pin to make custom presentations.			
Material	Brushed Stainless Steel			
	Diameter	Height		Article
	Ø 15	250		72.8222.21
	Ø 15	500		72.8224.21
	Ø 15	800		72.8226.21
	Ø 15	1200		72.8228.21



Product	DECO PLATFORM				
Description	Upright pin with horizontal platform.				
Material	Brushed Stainless Steel				
	Diameter	Height	Width	Depth	Article
	Ø 15	250	340	340	72.8232.21
	Ø 15	500	340	340	72.8234.21



Product	DECO PLATFORM SLOPING				
Description	Upright pin with diagonal platform.				
Material	Brushed Stainless Steel				
	Diameter	Height	Width	Depth	Article
	Ø 15	250	340	340	72.8236.21
	Ø 15	500	340	340	72.8238.21



Product	PLATFORM PIN			
Description	Upright pin with horizontal flange with four mounting holes for a wooden platform.			
Material	Brushed Stainless Steel			
	Diameter	Height		Article
	Ø 15	250		72.8231.21
	Ø 15	500		72.8233.21



Product	PLATFORM PIN SLOPING			
Description	Upright pin with diagonal flange with four mounting holes for a wooden platform.			
Material	Brushed Stainless Steel			
	Diameter	Height		Article
	Ø 15	250		72.8235.21
	Ø 15	500		72.8237.21



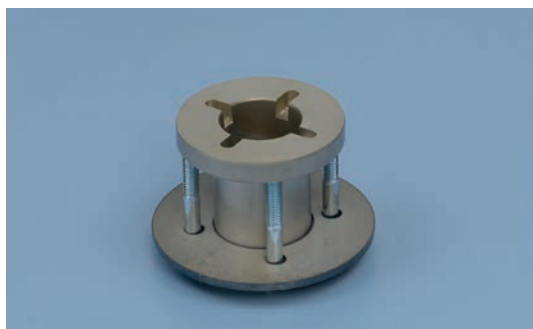
Product	FLOOR PIN FOR GLASS			
Description	Upright pin to support horizontal glass surface. Hole in glass should be Ø12 mm. Includes plastic glass rings and socket head screw.			
Material	Brushed Stainless Steel			
	Diameter	Height		Article
	Ø 15	250		72.8242.21
	Ø 15	500		72.8244.21



Product	SHOE PRESENTER		
Description	Upright pin with slanted platform to present a shoe.		
Material	Brushed Stainless Steel		
	Diameter	Height	Article
	Ø 15	150	72.8252.21
	Ø 15	250	72.8254.21
	Ø 15	350	72.8256.21
	Ø 15	450	72.8258.21



Product	SIGN HOLDER STAND	
Description	Upright pin with support for a sign holder. Available in several heights and widths on request. Comes without acrylic sign holder.	
Material	Brushed Stainless Steel	
	Diameter	
	Ø 12	



Product	FLOOR SOCKET (FS Ø 60)		
Description	Floor socket for wooden floor. Includes assembly parts. This is a very stable system that fits perfectly on the adapter. Compatible with plate thickness of 22-38 mm. The standard thickness is 38 mm.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	Ø 60	48	72.9110.11



Product	FLOOR SOCKET (FS Ø 60)		
Description	Floor socket for existing concrete floor. This is a very stable system that fits perfectly on the adapter.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	Ø 60	155	72.9112.11



Product	FLOOR SOCKET (FS Ø 40)		
Description	Floor socket for wooden floor with sharp serrated edging for firm positioning. Includes Ø60 mm counter nut. This is a very stable system that fits perfectly on the adapter. Compatible with plate thickness of 16-40 mm.		
Material	Anodized Aluminum satin nickel-plated		
	Diameter	Depth	Article
	Ø 40	56	72.0049.08



Product	HOOK WRENCH WITH PIN 58-62 MM	
Description	Wrench to attach counter nut of floor socket Ø 40.	
		Article
		72.0049.08



ASSEMBLY INSTRUCTIONS FLOOR SOCKET Ø 60 ON WOOD

1. Accurately drill a Ø35 mm hole straight into the wood.
2. Drill four Ø7 mm holes crossways outside of the inner hole with a axis of 50 mm.
3. Insert the floor socket in the hole and place the Ø80 mm washer ring.
4. Put the 4 socket head screws with their washers through the four holes onto the floor socket and tighten firmly. The bolts that are delivered are compatible with 38 mm thick plates. Other lengths are available on request.



ASSEMBLY INSTRUCTIONS FLOOR SOCKET Ø 60 ON CONCRETE FLOOR

1. Accurately drill a Ø40 mm hole into the concrete that is 150 mm deep.
2. Clean the hole and clear all dust.
3. Inject chemical anchor in hole (Hilti HIT-HY 150) by pouring in a circle turning.
4. Insert the floor socket precisely in the middle of the hole while turning. Also see instruction manual for chemical anchor.

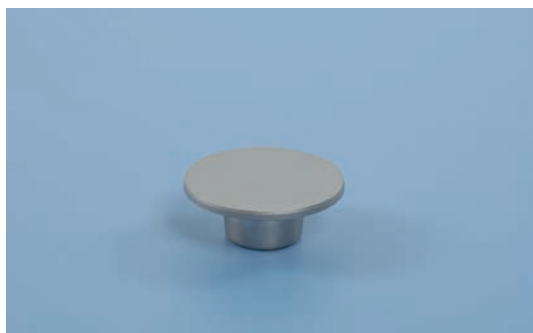


ASSEMBLY INSTRUCTIONS FLOOR SOCKET Ø 40 ON WOOD

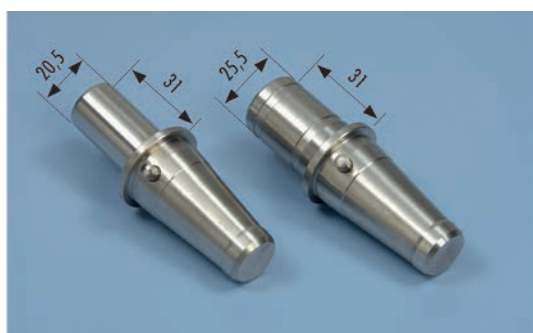
1. Accurately drill a Ø28 mm straight hole into the wood.
2. Put floor socket through hole.
3. Tighten counter nut Ø60 mm using hook wrench with pin. (72.0049.08)



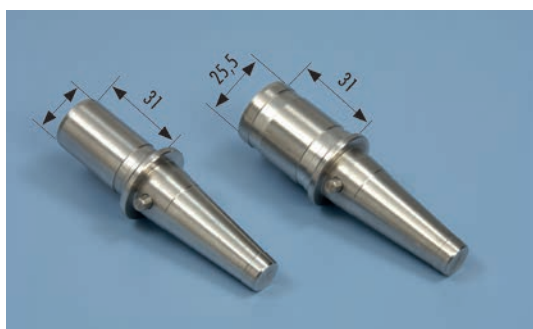
Product	COVER PLATE FS Ø 60	
Description	To cover the opening of unused floor socket Ø 60.	
Material	Anodized Aluminum satin nickel-plated	
	Diameter Ø 60	Article 72.9011.11



Product	COVER PLATE FS Ø 40	
Description	To cover the opening of unused floor socket Ø 40.	
Material	Anodized Aluminum satin nickel-plated	
	Diameter Ø 40	Article 72.9021.11



Product	ADAPTER FS Ø 60	
Description	Conical insertable adapter for Ø60 mm wood/concrete floor socket. Ø25x2 mm or Ø30x2 mm tubes can be shrunk/welded onto this adapter for custom applications.	
Material	Stainless Steel	
	Diameter Ø 20.5 Ø 25.5	Article 72.9212.20 72.9214.20



Product	ADAPTER FS Ø 40	
Description	Conical insertable adapter for Ø40 mm wood floor socket. Ø25x2 mm or Ø30x2 mm tubes can be shrunk/welded onto this adapter for custom applications.	
Material	Stainless Steel	
	Diameter Ø 20.5 Ø 25.5	Article 72.9222.20 72.9224.20

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