

# PRODUCT CATALOGUE

**hünersdorff**



**FUEL  
AND MOTOR**

**FOREST AND  
GARDEN**

**WAREHOUSE  
AND PLANT**

**LABORATORY  
AND FOOD**



## Welcome to hünersdorff

Products from hünersdorff are present everywhere. From view boxes, assortment boxes and measuring cans to funnel systems and valves. We also set the standard as the leading European producer of fuel cans.

We produce over 1,000 parts in series with our blow moulding and injection moulding processes, amounting to more than 8 million items per year.

185 years of history make hünersdorff one of the best established industrial companies in Germany. A tradition combined today with innovative products, manufacturing processes and new developments.

We carry out all production and distribution of our products to you and our other hünersdorff customers from Ludwigsburg. Our skilled distribution team and representatives across Europe and Russia ensure proximity to around 2,000 customers.

We believe reliable service is just as important as a high-quality product range, which is why we are fully committed to being there for you. This is because our mission statement is defined by one thing: the satisfaction of you, our customer.

The integrated hünersdorff management system for quality, the environment and energy in line with DIN ISO ensures transparent and efficient processes for our employees and business partners. Our external logistics guarantee punctual and complete delivery: the hünersdorff warehouse with over 5,000 palette spaces and distribution, from small parcels and pallets to full HGV loads, are operated by our specialist partners. You can find many new products in our current catalogue.

We hope you find plenty of interesting information there and look forward to long-term collaboration with you.

Andreas Schiemann

Dr Robin Mattheis

Further information  
about hünersdorff  
can be found here





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GENERAL	
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










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# Abbreviations

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)
<b>Art.</b>	Article
<b>Art. no.</b>	Article number
<b>W</b>	Width
<b>BAM</b>	Federal Institute for Materials Research and Testing (Bundesanstalt für Materialforschung und -prüfung)
<b>cm</b>	Centimetres
<b>g</b>	Grams
<b>GGVSEB</b>	Ordinance on the Transport of Dangerous Goods by Road, Rail and Inland Waterways (Gefahrgutverordnung Straße, Eisenbahn und Binnenschifffahrt)
<b>GHS/CLP</b>	Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien) from the UN, implemented by the EU as the CLP regulation (EC) No. 1272/2008 Globally Harmonized System of Classification, Labelling and Packaging of Substances and Mixtures
<b>Size</b>	Size
<b>H</b>	Height
<b>kg</b>	Kilograms
<b>L</b>	Litres
<b>L/min</b>	Litres per minute
<b>m</b>	Metres
<b>max.</b>	Maximum
<b>mm</b>	Millimetres
<b>ml</b>	Millilitres
<b>No.</b>	Number
<b>Ø</b>	Diameter
<b>R</b>	Pipe threads
<b>RKK</b>	Reserve fuel can
<b>RKK certification</b>	Design certification for fuel canisters in accordance with the Regulation for Combustible Liquids (Verordnung über brennbare Flüssigkeiten) previously in effect in Germany.
<b>Pcs.</b>	Pcs.
<b>D</b>	Depth
<b>TÜV</b>	Technical Supervisory Association (Technischer Überwachungsverein)
<b>UN</b>	United Nations
<b>UN certification</b>	Packaging receives UN certification and a corresponding number when the manufacturer guarantees that the stated specifications of the design, or all testing requirements, have been fulfilled. Test criteria such as impermeability, (vapour) pressure, impact/shock resistance and chemical compatibility are key components of the certification process. The certificate of approval is issued by the BAM, the TÜV or a similar institution.
<b>UN certification number</b>	The UN certification number specifies the design of packaging for the transportation of dangerous goods. E.g. UN 3H1/Y/150/12/D/BAM/12020-huen 3=canister / H=plastic / 1=non-detachable lid / Y=packing group II / 150=test pressure in kpa / 12=year of manufacture / D=letter symbol of country of registration / 12020=registration number of the BAM - huen=manufacturer symbol
<b>Packing Group</b>	Z = Packing Group III (less dangerous fill goods, e.g. diesel) / Y Packing Group II (medium danger, e.g. petrol) / X = Packing Group I (medium to high danger, e.g. mixed fuels)
<b>PU</b>	Packaging Unit
<b>e.g.</b>	For example



# Technical details and symbols

	Made in Germany		w = inside Ø of the filling opening and a = outside thread Ø
	Made in Europe		d = diameter and h = height
	With UN certification according to ADR/GGVSEB		Dimensions of the jerrycans (depth, width and height)
	Child-resistant screw cap certified according to ISO 8317		Dimensions (depth, width and height)
	Suitable for E10 (motor fuel with 5 - 10% bioethanol)		Ø of the funnel opening (w) and of the filler (e)
	Explosion suppression system: Fabric filling absorbs heat and thus prevents explosions		s = Ø of the sieve inlay
	Protection against ultraviolet rays thanks to a UV stabiliser		B = scoop length
	Resistant to temperature: Temperature range within which the product can be used without problem		AF = spanner size
	High-density recyclable polyethylene Shock and impact proof.	 <p><b>ADR-Verpackung</b> (Verpackungen, Großverpackungen, Großpackmittel (IBC))</p> <ul style="list-style-type: none"> <li>■ für den Transport gefährlicher Güter</li> <li>■ Prüfung nach Gefahrgutrecht</li> <li>■ Bedienung geprüft</li> </ul> <p><a href="http://www.tuev-sued.de/is">www.tuev-sued.de/is</a></p>	
	Low-density recyclable polyethylene Unbreakable and flexible.		
	Recyclable polypropylene. Tough, break-resistant and especially oil and acid-resistant.		
	Recyclable polystyrene. Impact proof and tough, high break resistance.		
	Recyclable styrene acrylonitrile. Extra dimensionally stable.		
	This symbol indicates that a product has been found to pose no health risks when in contact with food as a result of its physical and chemical composition		
	w = inside Ø of the filling opening		





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Fuel can

- Fulfills highest safety requirements
- with spout integrated in the can body and captive child safety screw cap.
- 10-20 L can be stacked to save space and fits into can holder art. no. 435500 or 435600
- PROFI EXPLO-SAFE with explosion suppression system: Filled with polyamide fabric (see figure 2 – jerrycans open for conception) which absorbs heat and prevents explosions
- on request: Branding, labelling and individual colours possible
- separate accessories and replacement parts available e.g. safety nozzles, spouts, hazardous goods labels (306100)

PROFI

with UN certification for petrol, diesel and other hazardous goods



	Volume (L)				
	5	10	20	10	20
	PROFI			PROFI EXPLO-SAFE	
	800200	801000	802000	801100	802100
	-	801060	802060	-	-
Fig. no.	1			2	
Dimensions D x W x H (mm)	147 x 265 x 247	165 x 350 x 310	165 x 350 x 495	165 x 350 x 310	165 x 350 x 495
Weight (g)	540	750	1,250	1,400	2,500
w / a mm	29 / 38				
PU (pcs.)	12	5	3	5	3
Pallet (pcs.)	192	90	48	90	48
UN certification	3H1/Y/120/ ...BAM14119	3H1/Y/150/ ...BAM12924		3H1/Y/150/ ...BAM14348	3H1/Y/150/ ...BAM14349

Fuel can

- Fulfills highest safety requirements
- Extremely low permeation through heavy quality (neutral odour)
- incl. spout and captive child safety screw cap
- with spout integrated in the can body for diesel vehicles with misfuelling inhibitor (art. no. 819100)
- on request: Branding, labelling and individual colours possible
- separate accessories and replacement parts available e.g. safety nozzles, spouts, hazardous goods labels (306100)

PREMIUM

with UN certification for petrol, diesel and other hazardous goods










Volume (L)	
	5
	800400
	800600
	800700
	800500
	800300
Dimensions D x W x H (mm)	147 x 265 x 247
Weight (g)	565
w / a mm	29 / 38
PU (pcs.)	12
Pallet (pcs.)	192
UN certification	3H1/Y/120/ ...BAM14119

## STANDARD

with UN certification for petrol, diesel and other hazardous goods



	Volume (L)				
	2	3	5	10	20
	810200	810900	811400	812800	813500
	-	-	811500	-	-
	-	-	811560	812873	813530
	-	-	811570	-	-
	-	-	811580	812893	813550
	-	-	811590	-	-
	-	-	-	812869	813569
Dimensions D x W x H (mm)	80x147x270	100x215x205	147x265x247	164x333x324	178x365x435
Weight (g)	205	377	400	700	1,100
w / a mm	18 / 24	29 / 38			
PU (pcs.)	8	12		5	3
Pallet (pcs.)	432	192		90	48
UN certification	-	3H1/X1.0Y1.0Z1.0 /250/...BAM14123	3H1/Y1.0/150/... BAM14026	3H1/Y/200/... BAM13049	3H1/Y/150/... BAM14061


## Fuel can

- Fulfills highest safety requirements
- incl. spout and captive child safety screw cap
- Art. no. 810200 with integrated spout
- on request: Branding, labelling and individual colours possible
- separate accessories and replacement parts available e.g. safety nozzles, spouts, hazardous goods labels (306100)

## COMPACT

with UN certification for petrol, diesel and other hazardous goods



Article no.	Volume (L)	Colour	Dimensions D x W x H (mm)	Weight (g)	w / a mm	PU (pcs.)	Pallet (pcs.)	UN certification
862800	10		160 x 290 x 331.5	485	29 / 38	5	120	3H1/Y1.0/120/... BAM14506

## Fuel can

- meets highest safety requirements despite weight reduction
- incl. spout and captive ECO screw cap
- can be stacked to save space and fits in commercially available can holder art. no. 435600
- on request: Branding, labelling and individual colours possible
- separate accessories and replacement parts available e.g. safety nozzles, spouts, hazardous goods labels (306100)



Fuel can

- manufactured according to earlier RKK certification standards
- low permeation thanks to extremely heavy-duty quality (neutral odour)
- incl. spout (art. no. 811900 and 812300) and captive screw cap
- antistatic material/surface resistance  $10^4$ - $10^5 \Omega$  (art. no. 812300 + 812400)
- on request: Branding, labelling and individual colours possible
- separate accessories and replacement parts available e.g. safety nozzles, spouts, hazardous goods labels (306100)

CLASSIC

extra heavy-duty quality



	Volume (L)		
	5	10	18
	811900	812300	812400
Dimensions D x W x H (mm)	147x265x247	164x333x324	178x365x435
Weight (g)	630	1,060	2,040
w / a mm	29 / 38		48 / 65
PU (pcs.)	12	5	3
Pallet (pcs.)	192	90	48
Certification (previously FKK)	01/BAM/3.10/3/84	01/BAM/3.10/2/85	01/BAM/3.10/3/85
Certification (UN)	3H1/X1.0/250/...BAM4531		

Accessories

- with safety instructions, hazard symbols (10 x 10 cm) and UN numbers
- 1 pack contains 25 sheets of labels
- with Euro standard perforation for optimal presentation

Adhesive jerrycan labels

for labelling jerrycans filled with petrol/diesel  
(in accordance with GHS standard as well as ADR)



Article no.	Designation
306100	Adhesive labels

## FuelFriend

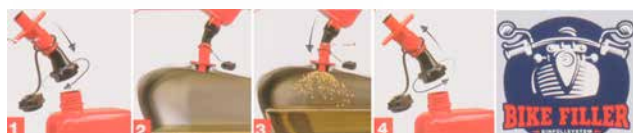
The emergency reserve for motorcycles, scooters, quads and other small engines



	Volume (L)			
	0.5	1	1.5	2
	FuelFriend	FuelFriend PLUS		FuelFriend BIG
	815210	815310	815510	-
	815220	815320	815520	815720
	-	-	-	815710
Dimensions D x W x H (mm)	53 x 95 x 125	65 x 125 x 165	65 x 125 x 235	88 x 140 x 252
Weight (g)	100	235	280	370
w / a mm	18 / 24	29 / 38		
PU (pcs.)	14	15	12	8
Pallet (pcs.)	1,400	810	648	432
UN certification	-	-	-	3H1/Y/150/ ...BAM/12803

## BIKE FILLER

Fuel transfer system for motorbikes



Article no.	Designation	Colour	for a (mm)	Nozzle external Ø (mm)	Length (mm)	PU (pcs.)
819845	Fuel transfer system		38	21	160	10

## Fuel can

- small, extremely robust, meets the highest safety requirements
- with captive CLASSIC screw cap (art. no. 815210 with small screw cap and art. no. 815220 with integrated outlet spout)
- 1 and 1.5 L with eyelets fitted to the sides for securing with a tension strap or similar.
- the smallest can suitable for fuel nozzles on the market except 0.5 L
- 2 L with UN certification
- on request: Branding, labelling and individual colours possible
- separate accessories and replacement parts available e.g. safety nozzles, spouts, screw caps

## Nozzle

- integrated ventilation for liquid transfer without gurgling
- automatic filling stop: No overflow or spillage of the filling material before, during or after fuelling
- reduces the leakage of petrol vapour and protects the environment from contamination
- for all current hünersdorff fuel cans up to 5 L and FuelFriend 1-2 L
- precise positioning of the filling opening with union nuts
- captive screw cap
- with carrying loop for fixing on the can
- Replacement part: Screw cap with retaining strap ET-276100, black, PU (pcs.) 5

## Replacement parts

- suitable for fuel cans, combined jerrycans and FuelFriend
- jerrycan is easy to empty
- PREMIUM spouts for petrol and diesel, with union nut and seal
- Spouts suitable for all standard tank openings (petrol and diesel) and for all vehicles with petrol misfuelling protection
- Art. no. 819100 and 819110 suitable for diesel vehicles with misfuelling protection
- Art. no. 819500 rigid, ventilated tube with black union nut for fuelling e.g. construction machinery, tractors, motorbikes, standby sets

## Spouts

for standard tank openings and misfuelling protection systems



Fig. no.	Article no.	Designation	Colour	for a (mm)	Nozzle external Ø (mm)	Length (mm)	PU (pcs.)
1	819100	STANDARD Diesel	Black	38	22	265	5
2	819110	PREMIUM Diesel	Black	38	22	265	5
3	819500	RIGID large opening	Green	65	31	220	3
4	819600	STANDARD large opening	Green	65	31	290	3
5	819700	STANDARD Petrol	Red	38	19	265	5
6	819701		Red	38	19	265	5
7	819702		Black	38	19	265	5
8	819710	PREMIUM Petrol	Red	38	19	265	5










## Replacement parts

- Child-safe screw caps for PREMIUM, PROFI and STANDARD fuel cans and PROFI combined jerrycans
- ECO screw cap for COMPACT fuel cans
- CLASSIC screw caps for CLASSIC fuel cans, FuelFriend and ECO combined jerrycans
- Nozzle-spout designed for art. no 815220, 810200

## Screw caps



in various versions



Fig. no.	Article no.	Designation	Colour	for a (mm)	PU (pcs.)
1	ET-230400	Small screw cap		24	5
2	ET-230702	Sleeve screw cap			
3	ET-231320	Child safety screw cap		38	
	ET-231330				
4	ET-231620	ECO screw cap			
5	ET-231503	CLASSIC screw cap			
	ET-231505				
6	ET-232800	Screw cap		65	
7	ET-281302	Spout		24	

### Oil change systems



Fig. no.	Article no.	Designation	Volume (L)	Colour	Dimensions D x W x H (mm)	PU (pcs.)	Set consists of art. no.
1	434200	Oil change jerrycan	8		130 x 300 x 500	4	
2	921510	Oil drainage basin	9		350 x 350 x 135	10	
3	921401	Oil change set			350 x 350 x 135	8	921510, 950601, 932600

### Oil change

- Oil change jerrycan with a nominal volume of 8 L (filling volume 13.8 L) for eco-friendly disposal of used oil. With generous take-up volume and safe collection area protected against water splashes
- Oil basin + car parts bath with work surface (10 x 10 cm) for cleaning small parts Safe disposal with pointed nozzle for transferring between containers
- 3-part oil change set containing oil drainage basin, funnel Ø 140 mm and graduated can 1 L
- Replacement parts: Threaded joint, large (art. no. 434210), small (art. no. 434220) each red and PU (pcs.) 10

### QUICK direct fuelling system and suction pump

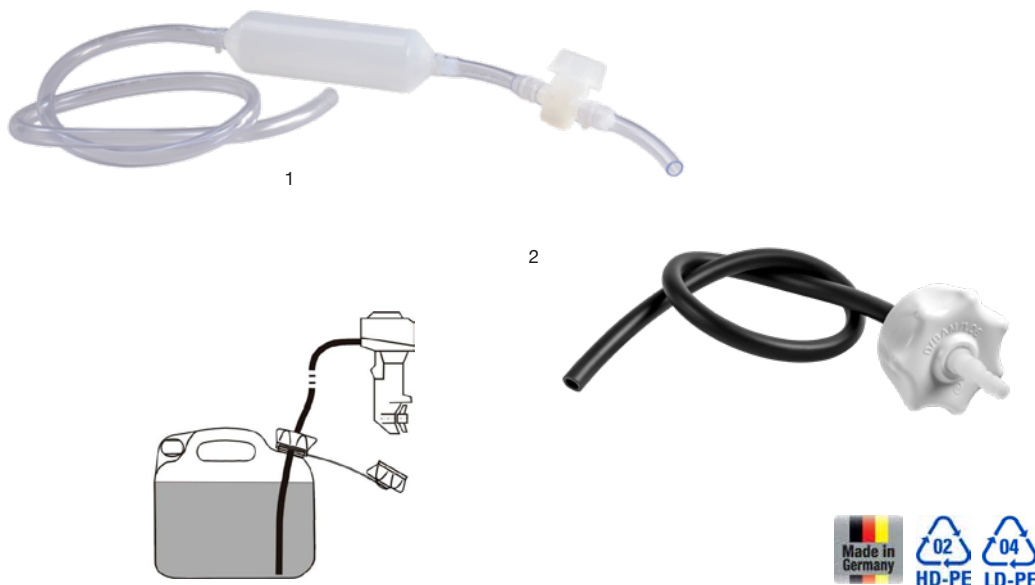


Fig. no.	Article no.	Designation	Colour	for a (mm)	Length (mm)	Run-out speed L/min	PU (pcs.)
1	546000	Suction pump	■		1,450	4	5
2	810000	QUICK direct fuelling system	■ ■	38			10

### Fuelling and transfer systems

#### QUICK direct fuelling system:

- ideal for direct supply of fuel to engines and generators, saves additional refilling
- 2-step, free hose fittings suitable for hoses with 6 and 8 mm inside diameters
- suitable for all hünersdorff fuel jerrycans 1 L - 20 L made of plastic

#### Suction pump:

- for refilling and drawing off different media
- food-safe, resistant to acid, chemicals and petrol
- consists of suction pump (LD-PE), shut-off valve (HD-PE) and hose (PVC)


## Metal fuel can

- powder coated and manufactured using 0.9 mm steel
- with patented locking pin to prevent unintentional opening of the jerrycan
- Minimal draining time as a result of wide vent duct
- heat sealed handles provide extra strength
- special holes in the handle allow spout to be attached with clip and screws
- High-quality inside paint protects against rust and decomposition of the contents in longer storage in filled condition
- EXPLO-SAFE with explosion suppression system: Filled with fabric made of aluminium foil (see figure – jerrycan open for conception) which absorbs heat and prevents explosions
- PREMIUM with X-certification and screw cap (thread M45x3) made of galvanised steel with corrugated surface. Integrated magnet holds the cap during use.

## Metal fuel cans

olive green, with UN certification for petrol, diesel and other hazardous goods











Volume (L)									
	5	10	20	5	10	20	5	10	20
	PREMIUM			CLASSIC			EXPLO-SAFE		
	434404	434604	434704	434400	434601	434701	444450	444650	444750
Dimensions D x W x H (mm)	120 x 230 x 310	165 x 345 x 275	165 x 345 x 468	120 x 230 x 310	165 x 350 x 283	165 x 343 x 469	120 x 230 x 310	165 x 350 x 283	165 x 343 x 469
Weight (g)	1,600	2,800	4,200	1,850	3,000	4,280	1,980	3,260	4,790
Fabric weight (g)							130	260	510
w (mm)				45 x 35					
PU (pcs.)	5								
Pallet (pcs.)	175	120	60	175	120	60	175	120	60
UN certification	3A1/X/250/... BAM14001-VP	3A1/X/250/ ...BAM14002-VP		3A1/Y/100/ ...BAM6306- VP	3A1/Y/100/ ...BAM6210-VP		3A1/Y/100/ ...BAM6306- VP	3A1/Y/100/ ...BAM6210-VP	



## Accessories for fuel can made of metal

### Spouts, jerrycan holders, suction system and spare seals for spouts and jerrycans



Fig. no.	for	Article no.	Designation	Colour	Nozzle external Ø (mm)	Length (mm)	PU (pcs.)
1	CLASSIC and EXPLO-SAFE	434800	Spout (rigid)		21	195	5
2		434801	Spout (flexible)				
3		435300			20	380	
4		435400				310	
5		434802	Diesel spout (flexible)		25	380	
6		435800	Suction system		6 or 8	460	10
7		411100	Replacement seal, oval for spouts and suction system				
8		411200	Spare seal, oval, for jerrycans				
9			435700	Locking pin			
10	PREMIUM	434803	Spout (flexible) with screw cap		20	320	5
11		434804	Diesel spout (flexible) with screw cap		25	320	



Article no.	Designation	Colour	Dimensions D x W x H (mm)	Weight (g)	PU (pcs.)
435500	Jerrycan holder for 20 L		174 x 364 x 485	2,917	5
435600	Jerrycan holder for 10 L		174 x 364 x 292	2,190	

## Accessories / Replacement

- Art. no. 434802 and 434804 for diesel vehicles with misfuelling protection
- the holding clip of the metal can holder can be secured with a split pin or with a padlock to protect the can against falling out or theft
- Suction system for metal jerrycans 20 L for direct supply of fuel to generators and engines
- if needed, shorten the suction pipe to the required length for use with 5 L or 10 L metal cans
- Hazardous goods labels (306100) available separately

## Funnels

- very resistant to acids, alkalis and other chemicals
- with eye hook or handle
- Venting ribs at the funnel end (art. no. 950201-951201 and 954600)
- Art. no. 951101, 951201, 953500, 955200 and 956200 with overflow rim (splash guard) and extra-fine sieve insert made of stainless steel (interchangeable)
- Art. no. 951500 4-part set
- Art. no. 951600 3-part set
- Art. no. 953500 with LDPE flexible tube, length 460 mm
- Replacement parts: Sieve inserts (Art. no. 958100 and 958200)

## Plastic funnels

red, made of fracture-proof polyethylene



Article no.	Designation	Pictograms	w (mm)	e (mm)	Total height (mm)	Capacity (L)	Sieve insert s (mm)	PU (pcs.)
950201	Funnels with eyelet		60	8	80	0.036	without	12
950301			80	11	105	0.08		
950401			100	12	126	0.17		
950501			120		145	0.29		
950601			140	15	167	0.5	50	10
950701			164	17	198	0.79		
951101			168		199	1		
951201			208	20	218	2		
953500	Universal funnel with eyelet and hose		210	19	159	2	50	12
954600	Oval funnel with eyelet		116x172	18.5	185	0.66		
955200	Universal funnel with handle		205	23	322	2.5	80	5
956200	Angle funnel oval with handle		175 x 150	24		1.5	50	4



Article no.	Designation	PU (pcs.)	Set consists of art. no.
951500	Funnel set	10	950201, 950301, 950401, 950501
951600			950601, 950701, 951201

### Funnel made of tin plate

silver, with sieve insert and detachable spout



Article no.	Designation	w (mm)	e (mm)	Sieve inserts (mm)	Length (mm)	Capacity (L)	Material	PU (pcs.)
490020	Universal funnel	160	22	65		1.3	Tin plate/ HD-PE	6
490021	Spout (flexible)	40	18		300			

### Graduated oil cans made of plastic

made of acid- and chemical-resistant polypropylene/polyethylene



Article no.	Volume (L)	Colour	Dimensions d x h / D x W x H (mm)	Material	PU (pcs.)
932500	0.5	Red	97 x 157	PP	15
932600	1		101 x 237		
932700	2		130 x 295		10
933800	3		135 x 307		
933900	5	White	135 x 300 x 380	HD-PE	4

#### Funnels

- resistant to fuels, oils, alkalis, diluted acids
- with overflow rim (anti-splash) and fine-sieve insert made of brass (easy to clean, replaceable) with 0.5 mm mesh-width
- Funnel with rigid spout made of plastic and flexible, detachable metal/plastic spout each with air groove
- with ergonomic handle

#### Graduated oil cans

- With embossed scale
- Stable, safe handling
- Overflow protection by ergonomically shaped spout
- separate accessories: Art. no. 934000 flexible tube as extension (except for art. no. 933900), black, LDPE, length 307 mm, PU (pcs.) 10

## Graduated oil cans

- Stable, safe handling
- Overflow protection by ergonomically shaped spout

## Graduated oil cans made of tin plate

with preserved surface and spout made of polyethylene, calibrated



Article no.	Volume (L)	Dimensions D x W x H (mm)	Material	PU (pcs.)
490030	0.5	70 x 170 x 230	Tin plate/LD-PE	5
490031	1	90 x 190 x 270		
490032	2	115 x 210 x 320		

## Can and bucket

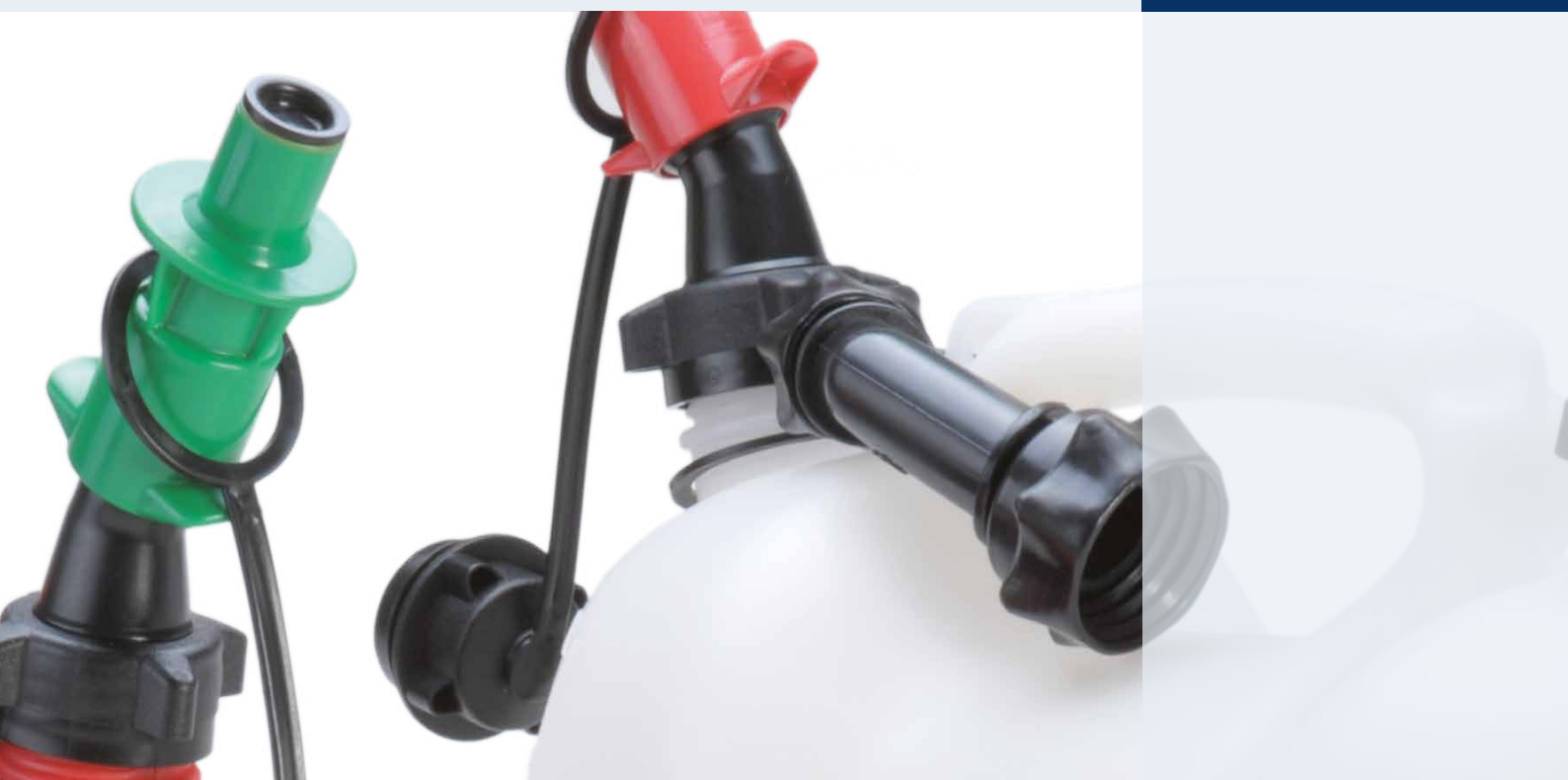
- very resistant to acids, alkalis and other chemicals
- Petrol station can with two handles for safe handling and narrow spout for precise filling of windscreen wiper water tanks, for example.
- Service bucket with sponge tray ET-283400 PU (pcs.) 5
- separate accessories:  
Rack for service bucket made from galvanised steel wire #449900

## Petrol station can and service buckets

as basic equipment for service areas in petrol stations and garages, also ideal for home workshops



Article no.	Designation	Volume (L)	Colour	Dimensions D x W x H (mm)	Weight (g)	PU (pcs.)	Pallet (pcs.)
820300	Petrol station can	8.5		167 x 639 x 316	840	4	56
941000	Service bucket	10		317 x 317 x 249	675	6	180
449900	Rack			400 x 400 x 425	790		120



Combined jerrycans	20
- PROFI	20
- ECO	21
Safety nozzles	21
- for fuels	21
- for chain oil	21
Saddlebags	22
- for PROFI large	22
- for PROFI small	22
Replacement parts	22
- CLASSIC screw cap	22
- Spout with screw cap	22













## Combined jerrycans

- ideal for operating motor chain saws
- Measuring scale in both cans
- including spout with screw cap (art. no. 819901)
- captive child safety screw caps
- Saddlebags for PROFI large and small available
- Safety nozzles for fuels and chain oil available
- PROFI large and small with eye hooks for carrying strap and stable thanks to wide support surface
- PROFI large with gripping surface on the base for secure handling
- the natural colour enables the filling quantity to be seen more clearly from the outside
- on request: Branding, labelling and individual colours possible
- Hazardous goods labels (306100) available separately

## PROFI

for fuel and fuel mixtures with separate oil tank for lubricants (e.g. chain oil) in two versions 6+3 L and 3+1.5 L



Article no.	Designation	Volume (L)	Colour	Dimensions D x W x H (mm)	Weight (g)	w / a mm	PU (pcs.)	Pallet (pcs.)	UN certification											
803900	PROFI small	3+1.5		145 x 308 x 254	550	29 / 38	6	144	3H1W/X/250/... BAM14124											
804000										804900	PROFI large	6+3		170 x 362 x 298	1,043	4	72	3H1W/ Y1.0/250/... BAM14483	805000	
804900	PROFI large	6+3		170 x 362 x 298	1,043		4	72	3H1W/ Y1.0/250/... BAM14483											
805000										804962	PROFI large with saddlebag and two nozzles				1,460	2			805062	
804962	PROFI large with saddlebag and two nozzles				1,460		2													
805062																				

## ECO

for fuel and fuel mixtures with separate oil tank for lubricants (e.g. chain oil)





Article no.	Volume (L)	Colour	Dimensions D x W x H (mm)	Weight (g)	w / a mm	PU (pcs.)	Pallet (pcs.)	UN certification
824900	5,5+3	White	145 x 316 x 312	786	29 / 38	4	96	3H1W/Y1/150/...BAM14283
825000		Red						

## Safety nozzles

for fuels and chain oil For PROFI and ECO combined jerrycans.



Article no.	Designation	Colour	for a (mm)	Nozzle external Ø (mm)	Length (mm)	PU (pcs.)
819800	for fuels		38	21	160	10
819811	for fuels					50
819801	for chain oil					10
819851	for chain oil					50

## Combined jerrycans

- ideal for operating motor chain saws
- Measuring scale in both cans
- including spout with screw cap (art. no. 819901)
- captive CLASSIC screw caps
- Safety nozzles for fuels and chain oil available
- the natural colour enables the filling quantity to be seen more clearly from the outside
- on request: Branding, labelling and individual colours possible
- Hazardous goods labels (306100) available separately

## Filling systems

- integrated ventilation for liquid transfer without gurgling
- automatic filling stop: No overflow or spillage of the filling material before, during or after fuelling
- reduces the leakage of petrol vapour and protects the environment from contamination
- for all current hünersdorff combined jerrycans, fuel cans up to 5 L and FuelFriend 1-2 L
- precise positioning of the filling opening with union nuts
- captive screw cap
- with carrying loop for fixing on the can
- SS packaging PU 10 pcs. or 50 pcs. available in bulk
- Replacement part: Screw cap with retaining strap ET-276100, black, PU (pcs.) 5

## Accessories

- Space e.g. for two safety nozzles, spark plug wrenches, chain files and carburettor screwdrivers
- with hook and loop fasteners for reliable protection from falling
- made of Nylon
- dirt resistant - washable - tearproof
- Item sold without fittings

## Saddlebag for PROFI

**black, ideal accessory for holding tools and safety nozzles**



Article no.	Designation	for PROFI	Weight (g)	PU (pcs.)
795900	Saddlebag, small	3+1.5 L	275	10
796000	Saddlebag, large	6+3 L	290	

## Accessories and replacement parts

- also suitable for fuel cans and FuelFriend
- rigid spout with screw cap:
  - precise positioning of the filling opening with union nuts
  - captive screw cap
  - with carrying loop for fixing on the can
- Screw cap ET-231506 for ECO combined jerrycan
- separate accessories and replacement parts available e.g. spouts, child safety screw cap ET-231320 for PROFI combined jerrycan

## Screw cap and spout



Article no.	Designation	Colour	for a (mm)	Nozzle external Ø (mm)	Length (mm)	PU (pcs.)
819901	Spout with screw cap	■	38	21	130	5
ET-231506	CLASSIC screw cap					



Storage bins	24	Storage bin shelves	42
- polypropylene (PP)	24	- Standing racks	42
- polystyrene (PS)	26	- Mobile racks	45
Shelf bins	27	Perforated plate wall system	46
Assortment boxes	28	Eurocontainers	50
- polypropylene (PP)	28	Aluminium boxes	51
- polystyrene (PS)	31	Appliance crates	52
- for insert boxes	34	Tool boxes	53
Small-parts metal cases	36	- ALPHA	53
Insert boxes	37	- BoxOnBox	54
Part box	37	- Tool caddies	56
MultiStore storage system	38	- Metal tool boxes	56
- Storage systems	38	Industrial bucket	57
- Frames and stands	39	Oil can	57
- Wall sets	40		
- Cupboards	41		

## Storage bins PP

- fracture-proof and dimensionally stable
- resistant to greases, resins, alkalis, oils and acids
- safely stackable
- food-safe
- 7 sizes in 5 colours (blue, yellow, green, red, transparent)
- separate accessories: Dividers and lids
- numerous possibilities for expansion with various hanging systems: Wall rails, slotted wall, standing and mobile racks
- all 7 sizes made of black conductive material upon request: Surface resistivity  $10^3 - 10^6 \Omega$

## Polypropylene (PP) storage bins

for many areas of use with various accessories



	Size						
	1	2	2/L	3	3/L	4	5
	671100	672100	682100	673100	683100	674100	675100
	671200	672200	682200	673200	683200	674200	675200
	671300	672300	682300	673300	683300	674300	675300
	671400	672400	682400	673400	683400	674400	675400
	671700	672700	-	673700	-	674700	675700
Dimensions D x W x H (mm)	115 x 102 x 74	164 x 102 x 74	216 x 102 x 74	242 x 146 x 127	318 x 146 x 127	332 x 207 x 155	489 x 312 x 184
Inside dimensions D x W x H (mm)	84 x 87 x 63	134 x 87 x 63	183 x 87 x 63	203 x 130 x 114	286 x 130 x 114	290 x 170 x 144	422 x 267 x 171
Space- / overflow volume (L)	0.46 / 0.32	0.73 / 0.47	1.00 / 0.67	3.00 / 1.76	4.24 / 2.30	7.10 / 3.56	19.27 / 9.00
Load / stacking load (kg)	1.4 / 168	2.3 / 136	4.2 / 163	10 / 179	15 / 164	20 / 167	30 / 242
max. divider slots cross-wise/lengthwise	2 / 0	3 / 0	4 / 0	3 / 0	4 / 0	0 / 1	0 / 1
PU (pcs.)	30	24	18	26	18	12	7
Pallet (pcs.)	1800	1440	1080	520	324	216	70

## Accessories

- PP lid with locking function prevents contamination and loss of contents
- Practical subdivision with dividers made of PS

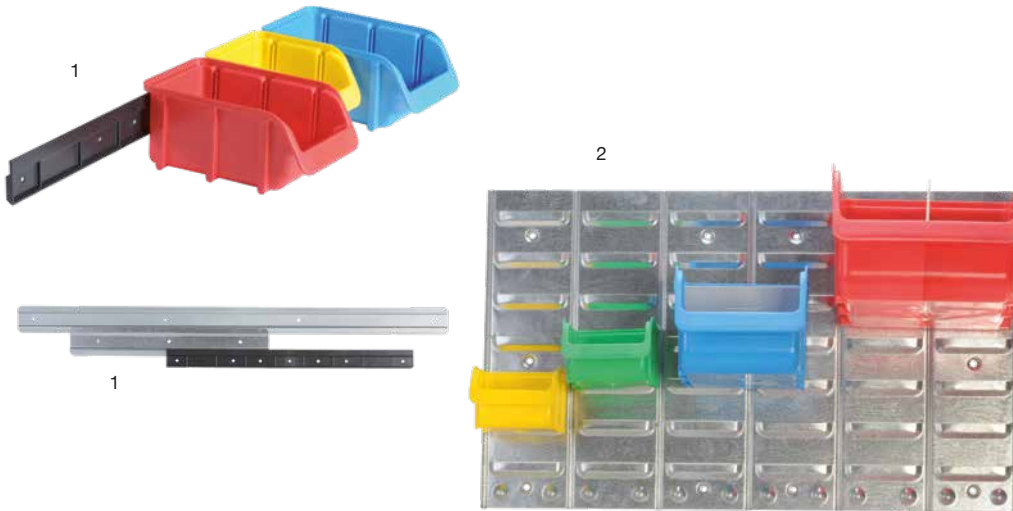
## Dividers and lids



Article no.	Designation	for size	Colour	Measurements W x H (mm)	PU (pcs.)
671005	Crosswise dividers	1+2+2/L		95 x 60	6
673005		3+3/L		140 x 105	
674005	Lengthwise dividers	4		320 x 135	
675005		5		450 x 160	
671900	Lid	1		115 x 100	
672900		2		165 x 100	
682900		2/L		215 x 100	



## Wall rails and metal slotted wall










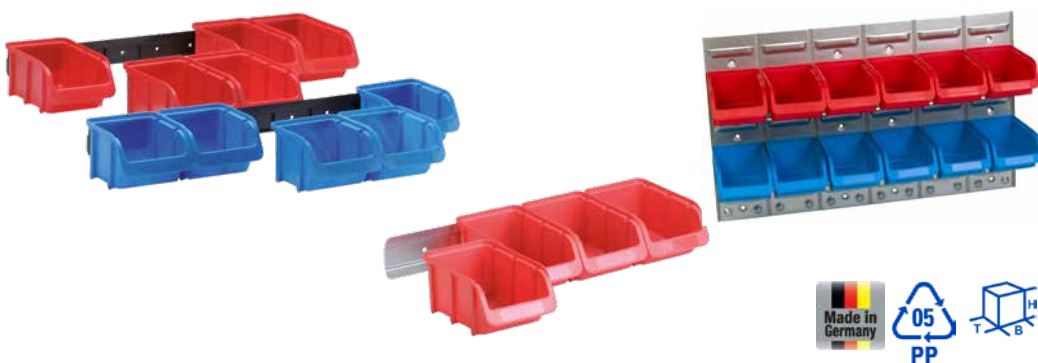
Fig. no.	Article no.	Designation	for size	Colour	Dimensions D x W x H (mm)	Length (mm)	PU (pcs.)
1	374000	Plastic rail	1+2+2/L+3			500	5
	374100	Metal rail	1+2+2/L+3+3/L			970	3
	374200					420	10
2	375000	Metal slotted wall	1-4			15 x 630 x 380	



## Accessories

- Easy, fast mounting
- Plastic rail for normal, metal rail suitable for extra high loads
- Metal rail and slotted wall made of galvanised sheet steel
- Metal slotted wall:
  - with 12 mounting points for easy and stable wall mounting
  - suitable for storage bins PP size. 1 to 4
  - Equipped with up to 24 storage bins PP (size 1, 2 + 2/L)

## Storage bin sets and slotted wall set



Article no.	Designation	contains	Colour	Dimensions D x W x H (mm)	PU (set)
656400	Set with 1 metal rail	4 x size 1		115 x 425 x 75	10
656420	Set with 1 metal rail	5 x size 1		115 x 510 x 75	
656500	Set with 1 metal rail	4 x size 2		165 x 425 x 75	
656520	Set with 1 metal rail	5 x size 2		165 x 510 x 75	14
656600	Set with 1 metal rail	3 x size 3		240 x 435 x 125	6
656820	Set with 2 metal rails	5 x size 1 + 5 x size 2		165 x 510 x 150	10
657030	Metal rack set	6 x size 2 + 6 x size 2		90 x 630 x 380	5

## PP sets

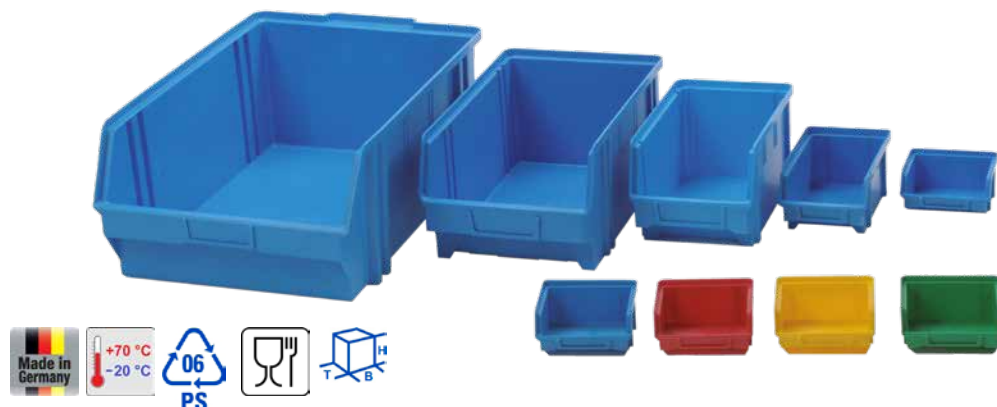
- Easy, fast mounting
- Slotted wall set consisting of 1 x art. no. 375000, 6 x art. no. 672100 (size 2, red) and 6 x art. no. 672300 (size 2, blue)






## PS storage bins

- extra dimensionally stable and impact-proof
- suitable for transport systems
- safely stackable lengthwise and crosswise
- integrated label holder
- food-safe (RAL certificate)
- 5 sizes in 5 colours (red, yellow, blue, green, grey)
- separate accessories: Labels with protective film
- numerous possibilities for expansion with various hanging systems: Metal wall rails for high loads, standing and mobile racks

## Polystyrene (PS) storage bins

for high loads and long life span





	Size				
	1	2	3	4	5
	651100	652100	653100	654100	655100
	651200	652200	653200	654200	655200
	651300	652300	653300	654300	655300
	651400	652400	653400	654400	655400
	651500	652500	653500	654500	655500
Dimensions D x W x H (mm)	95 x 103 x 55	165 x 102 x 75	232 x 148 x 126	336 x 205 x 154	485 x 310 x 183
Inside dimensions D x W x H (mm)	75 x 89 x 43	146 x 88 x 63	210 x 130 x 114	291 x 168 x 138	432 x 267 x 169
Space- / overflow volume (L)	0.29 / 0.15	0.81 / 0.42	3.82 / 1.49	6.75 / 3.94	19.50 / 10.52
Load / stacking load (kg)	17 / 212	21 / 315	28 / 436	30 / 742	- / 415
PU (pcs.)	30	24	26	12	8
Pallet (pcs.)	2,700	1,440	520	216	80

## Accessories

- Rails made of galvanised sheet steel
- Labels for identification of items, pocket-size, with additional protective film (1 PU = 25 labels)

## Metal wall rails and labels



Article no.	Designation	for storage bins	Colour	Dimensions D x W x H (mm)	PU (pcs.)
425100	Metal wall rails	9 x size 1		25 x 950 x 54	3
425200		9 x size 2		25 x 950 x 80	
425300		6 x size 3		25 x 950 x 132	
425400		4 x size 4		30 x 950 x 157	
657200	Labels	Size 1		53 x 12	1
657300		Size 2		55 x 16	
657400		Size 3, 4, 5		79 x 29	

## Polypropylene (PP) shelf boxes

ideal for standard shelf formats



Art. no.	Art. no.	Design	Dimensions (mm)			Inside dimensions (mm)			Volume (L)	Stacking load (kg)	Divider slots	PU (pcs.)
			D	W	H	D	W	H				
780011	780012	wide	300	183	81	270	170	75	3.44	138	4	24
780031	780032		400			370			4.72	140	6	
780051	780052		500			470			6.00	194	8	
780001	780002	narrow	300	91	81	270	80	75	1.62	142	4	48
780021	780022		400			370			2.22	135	6	
780041	780042		500			470			2.82	166	8	

### Shelf bins

- for optimal store room use
- fracture-proof and dimensionally stable
- resistant to greases, resins, alkalis, oils and acids
- Industrial quality for high load force
- safely stackable
- easier removal of small parts thanks to bottom studs
- integrated label holder
- 6 sizes in two colours (red and blue)
- separate accessories: Dividers, labels and pull-out stop

## Dividers, labels and pull-out stop



Article no.	Designation	Colour	Design	Material	PU (pcs.)
780100	Dividers		narrow	SAN	10
780200	Dividers		wide		
780300	Labels		narrow	Paper	1
780400	Labels		wide		
780500	Pull-out stop		narrow/wide	ABS	10

### Accessories

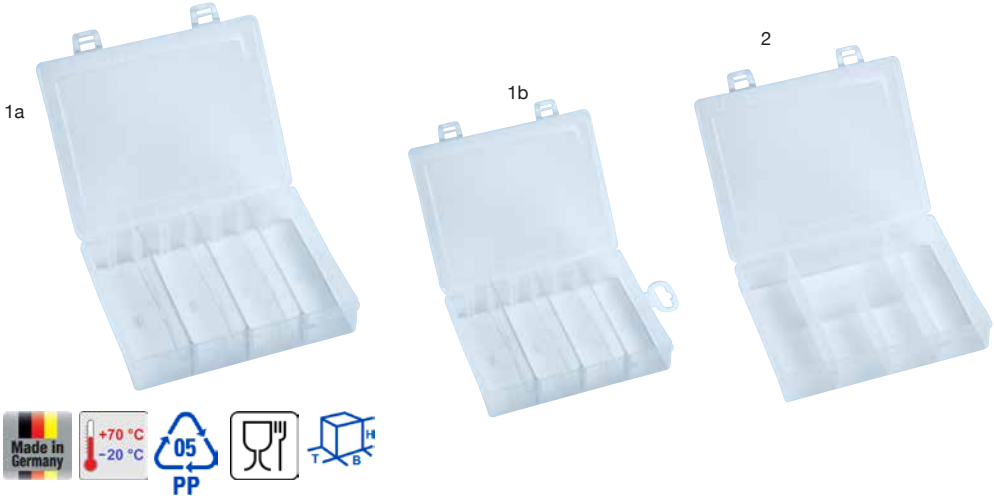
- Dividers with integrated label holders
- Paper labels:
  - 120 labels (art. no. 780300)
  - 60 labels (art. no. 780400)
  - each with 10 printable DIN A4 sheets (190 g/m<sup>2</sup>)
- Pull-out stop for narrow and wide shelf bins



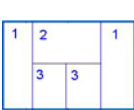
PP assortment boxes

- bottom and lid of fracture-proof, dimensionally stable polypropylene
- with stable hinges and closures
- resistant to greases, resins, alkalis, oils and acids
- ideal for packaging purposes, for more than 1,000 pieces also with Euro hanger (38 x 40 x 1.5 mm) (see fig. no. 1b)
- on request: Branding, print, labelling, individual colours and compartment subdivision possible
- Replacement part: ET-207100 Dividers made of transparent PS (PU 10 pcs.)

PP-MINI

transparent, 140 x 180 x 40 mm, with fixed or variable tray subdivision



Dimensions D x W x H (mm): 140 x 180 x 40					Tray dimensions D x W mm (tray height 34 mm)				
Fig. no.	Article no.	Colour	Dimensions D x W x H (mm)	Tray subdivision	Number of compartments	1	2	3	PU (pcs.)
1a	606000	 //	140 x 180 x 40		0	with 3 variable dividers with 7 holding possibilities			14
2	606100				5	130 x 43	55 x 85	75 x 42	

PP assortment boxes

- further subdivision possible with 18 dividers with variable potential uses
- stable, undetachable grip
- transparent lid
- upon request: individual colours possible

PP-MAXI

anthracite, 320 x 460 x 80 mm, with fixed tray subdivision



Dimensions D x W x H (mm): 320 x 460 x 80			Tray dimensions D x W mm (tray height 75 mm)			
Article no.	Colour	Tray subdivision	Number of compartments	1	2	PU (pcs.)
417340			5	74 x 438	71 x 165/85	7

## PP-COMPACT

transparent or coloured, 170 x 250 x 46 mm, with fixed tray subdivisions



### PP assortment boxes

- bottom and lid of fracture-proof, dimensionally stable polypropylene
- with stable hinges and closures
- resistant to greases, resins, alkalis, oils and acids
- on request: Print, labelling and individual colours possible
- Replacement parts: Hinges and lids

Dimensions D x W x H (mm) 170 x 250 x 46				Tray dimensions D x W mm (tray height 40 mm)						
Art. no. transparent	Art. no. Colour	Tray subdivision	Number of com- part- ments	1	2	3	4	5	6	PU
603600	608100 		8	65x242	98x38	48x38	98x80	-	-	10
603700	608200 		12	-	-	-	-	82x38	-	
603800	-		13	65x242	-	48x38	-	-	-	
603900	608300 		18	-	-	48x38	-	-	65x38	



## PP assortment boxes

- bottom and lid of fracture-proof, dimensionally stable polypropylene
- with stable hinges and closures
- resistant to greases, resins, alkalis, oils and acids
- with or without handle
- on request: Print, labelling and individual colours possible
- Replacement parts: Hinges and lids

## PP-CLASSIC

transparent or coloured, 225 x 335 x 55 mm, with fixed tray subdivisions



Dimensions D x W x H (mm) 225 x 335 x 55					Tray dimensions D x W mm (tray height 45 mm)				
Art. no. transparent	Art. no. Colour	Art. no. Colour with handle	Tray subdivision	Number of com- part- ments	1	2	3	4	PU
611300	611700 	604700 		8	105x105	105x325	105x52	52x52	6
611400	611800 	604800 		12	-	-	105x52	-	
611500	611900 	604900 		24	-	-	-	52x52	

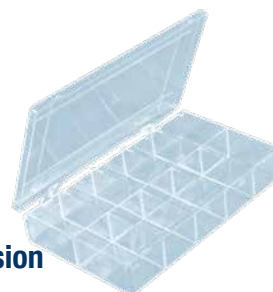


### PS-MINI

transparent or red, 120 x 210 x 36 mm, with fixed tray subdivision



Tray dimensions D x W mm (tray height 30 mm)									
Article no.	Colour	Tray subdivision	Number of compartments	1	2	3	4	5	PU
616000	///		6		115 x 32				12
616200			9					36 x 67	
616300			12			56 x 32			
616400			18				36 x 32		
616600	■		7	56 x 202	56 x 32				14



transparent, 105 x 170 x 32 mm, with fixed tray subdivision

Dimensions D x W x H (mm): 105 x 170 x 32				Tray dimensions D x W mm		
Art. no.	Colour	Tray subdivision	Number of compartments	Tray height (mm)	1	PU
617300	///		10	27	50 x 32	18

### PS assortment boxes

- Transparent lid and bottom for optimum display of the contents
- Suitable for packaging purposes
- extra dimensionally stable, made of polystyrene
- on request: Print, labelling and individual colours possible
- Replacement parts only for art. no. 616600: Cap and lid

## PS assortment boxes

- Transparent lid and bottom for optimum display of the contents
- extra dimensionally stable, made of polystyrene
- with stable hinges and closures
- on request: Print, labelling and individual colours possible
- Replacement parts: Hinges and lids

## PS-COMPACT

transparent or coloured, 170 x 250 x 46 mm, with fixed tray subdivisions



Dimensions D x W x H (mm) 170 x 250 x 46				Tray dimensions D x W mm (tray height 40 mm)							
Art. no. trans- parent	PU	Art. no. Colour	PU	Tray subdivision	Num- ber of com- part- ments	1	2	3	4	5	6
613400	14	-	10	<div><div>0</div></div>	0	-	-	-	-	-	-
613500		-		<div><div>1</div><div>2</div><div></div><div></div><div></div><div></div><div></div></div>	7	65 x242	98 x 38	-	-	-	-
613600		618100 <div></div>		<div><div>1</div><div>4</div><div></div><div>2</div><div></div><div>3</div><div></div><div></div></div>	8	65 x 242	98 x 38	48 x 38	98 x 80	-	-
613700		618200 <div></div>		<div><div>5</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	12	-	-	-	-	82 x 38	-
613800		-		<div><div>1</div><div>3</div><div></div><div></div><div></div><div></div><div></div><div></div></div>	13	65 x 242	-	48 x 38	-	-	-
613900		618300 <div></div>		<div><div>6</div><div>3</div><div></div><div></div><div></div><div></div><div></div><div></div></div>	18	-	-	48 x 38	-	-	65 x 38

## PS-CLASSIC

transparent or coloured, 225 x 335 x 55 mm, with fixed tray subdivisions



### PS assortment boxes

- Transparent lid and bottom for optimum display of the contents
- extra dimensionally stable, made of polystyrene
- with stable hinges and closures
- on request: Print, labelling and individual colours possible
- Replacement parts: Hinges and lids

Dimensions D x W x H (mm)				Tray dimensions D x W mm (tray height 45 mm)					
225 x 335 x 55									
Art. no. transparent	PU	Art. no. Colour	PU	Tray subdivision	Number of compartments	1	2	3	4
612200	5	-	6		6	-	-	-	105 x 105
612300		614700 			8	105 x 325	105 x 52	52 x 52	105 x 105
612400		614800 			12	-	105 x 52	-	-
612500		614900 			24	-	-	52 x 52	-

PP assortment boxes

- coloured bottom and transparent, tightly closing lid made of fracture-proof, dimensionally stable polypropylene
- with handle, with stable hinges and closures
- Art. no. 600100 for individual equipment with insert boxes.
- on request: Print, labelling and individual colours possible
- Replacement parts: Hinges and lids

PP-PREMIUM

blue, 225 x 335 x 55 mm, with loose insert boxes made of PS



Dimensions D x W x H (mm): 225 x 335 x 55			Insert box D x W mm (height 45 mm)				PU (pcs.)
Art. no. blue / with Handle	Tray subdivision	Number of insert boxes	622100 54x54	622200 54x108	622300 108x108	622400 108x62	
600100		0					6
600600		9	4	2	1	2	
600700		12		12			
600800		14	8	4	2		
600900		24	24				

### PS-CLASSIC-FLEX

transparent, 225 x 335 mm, in different heights without compartment subdivisions for individual equipment with insert boxes



Dimensions D x W (mm): 225 x 335				
Article no.	Tray subdivision	Dimensions H (mm)	compatible with insert box height (mm)	PU (pcs.)
613200		32	23	10
612100		55	45	5
613300		73	63	4

### Lids, closures and hinges



Assortment boxes	Hinge	Closure	Lid	
			PP transparent	PS transparent
COMPACT	ET-389000	ET-389100	ET-254700	ET-254600
CLASSIC / CLASSIC-FLEX (art. 612100) / PREMIUM			ET-254300	ET-254100
CLASSIC-FLEX (art. 613200, 613300)	without	ET-282800	-	ET-253700
PS-MINI (art. 616600)			-	ET-254000
PU	10			

### PS assortment boxes

- Transparent lid and bottom for optimum display of the contents
- extra dimensionally stable, made of polystyrene
- with stable hinges and closures
- on request: Print, labelling and individual colours possible
- Replacement parts: Hinges and lids

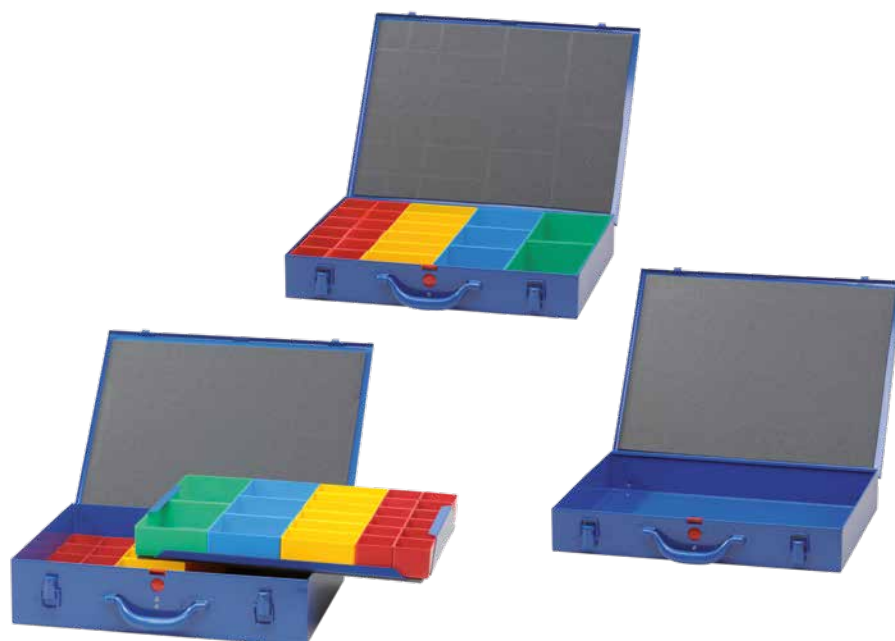
### Replacement parts

## Metal assortment boxes

- made of powder-coated sheet steel
- Stable lever-action locks, lockable and lead sealable
- Tightly closing lid avoids mixing of the contents
- Lid lock against unintentional opening of the case
- Art. no. 620599 for individual equipment with insert boxes.
- Art. no. 621000 double small-parts case
- Special equipment on request

## Metal small-parts case

dark blue, with loose insert boxes made of PS



Measurements D x W x H (mm) 330 x 440 x 66			Insert boxes D x W mm (height 63 mm)				PU (pcs.)
Article no.	Tray subdivision	Number of insert boxes	624100 54x54	624200 54x108	624300 108x108	624400 108x162	
620599		0					1
620700		24		24			
620800		23	12	6	3	2	

Measurements D x W x H (mm) 330 x 440 x 100			Insert boxes D x W mm (height 45 mm)				PU
Art. no. blue	Tray subdivision	Number of insert boxes	622100 54x54	622200 54x108	622300 108x108	622400 108x162	
621000		59	36	18	3	2	1



### Polystyrene (PS) insert boxes

for individual fitting of assortment boxes, small parts cases, drawers and cup-boards



Dimensions D x W (mm)	Colour	Height 23 mm	PU (pcs.)	Height 45 mm	PU (pcs.)	Height 63 mm	PU (pcs.)	Accessories Lid Art. no.	PU (pcs.) Lid
54 x 54		620100	200	622100	160	624100	96	252500	10
75 x 54				622800	75				
108 x 54		620200	100	622200	80	624200	48	252600	10
162 x 54				622700	30				
108 x 108		620300	50	622300	40	624300	24	252700	10
162 x 108		620400	35	622400	25	624400	15	252800	
216 x 108				622500	20			252900	
324 x 108				622600	15			253000	

### Part box

with transparent hinged lid



Article no.	Volume (L)	Colour	Dimensions D x W x H (mm)	PU (pcs.)
687500	2,5		232 x 146 x 158	4

### Insert boxes

- various basic sizes in heights of 23 / 45 / 63 mm
- extra dimensionally stable, made of high-impact proof polystyrene
- separate accessories: Lids, transparent

### Part box

- dust-free and visible storage of the contents with a nominal volume of 2.5 L (filling volume 3.7 L)
- Boxes are stackable and can be joined at the sides thanks to enclosed couplings
- well suited for presentation of goods in sales rooms
- fracture-proof and dimensionally stable
- resistant to greases, resins, alkalis, oils and acids
- Bottom made of polypropylene, red
- Lid housing made of fracture-proof SAN

## MultiStore storage system

- Storage system in three colours made of high-impact proof polystyrene, easily stackable and designed for stable wall mounting
- removable tilt drawers made of transparent polystyrene with integrated label holders (labels included)
- dust-free and visible storage of the contents
- for high loads and long life span
- versatile - can be used in places such as laboratories, workshops, sales rooms, doctor's surgeries, chemists, hospitals and industrial settings
- separate accessories: Lengthwise dividers for individual subdivision of the drawers
- Replacement parts: Tilt bins
- Items sold without bins

## Storage systems

**Modular concept - can be combined versatily in 6 sizes for neat storage**



MultiStore storage system no.	9	6	5	4	3	2
Pictograms						
light grey	460110	460111	460112	460113	460114	460115
white	460120	460121	460122	460123	460124	460125
enzian blue	460130	460131	460132	460133	460134	460135
Storage system dimensions W (mm)	601					
Storage system dimensions D x H (mm)	64.5 x 76.5	94 x 112.5	136 x 163	171.5 x 206	198 x 238	310.5 x 353
Storage system (L) volume	0.90	2.22	5.20	8.56	12.66	28.20
PU (storage system)	1					
Spare drawers	460220	460221	460222	460223	460224	460225
Drawer dimensions D x W x H (mm):	44.5 x 49 x 46	67 x 80 x 69	97 x 99.5 x 107.5	128 x 125.5 x 133.5	149 x 176 x 161	221 x 265 x 241
Drawer (L) volume	0.10	0.37	1.04	2.14	4.22	14.10
PU (drawers)	9	6	5	4	3	2
Dividers	-	-	-	460126	460127	-
PU (dividers)	10					

### Frames and stands

allows individual, easy and quick fitting out with all sizes of the MultiStore storage system



- made of sturdy aluminium profiles
- Frame available in three heights, ideal for quick and easy wall mounting
- Standing frames, single-side use
- Mobile frames can be used on both sides with high load castors, two locks
- patented fastening elements (Click Bins)
- well suited for presentation of goods in sales rooms
- MultiStore storage system not included in the scope of delivery
- Items sold without bins



Fig. no.	Article no.	Designation	Colour	Dimensions D x W x H (mm)	Suggestions for combination, see	PU (pcs.)
1	461101	Frame		25 x 601 x 600	I.)	1
	461102			25 x 601 x 1160	II.)	
	461103			25 x 601 x 1800	III.)	
2	462001	Standing frame, one-sided		340.5 x 601 x 1250	II.)	
3	462003	Mobile frame, two-sided		651 x 601 x 1280	II.) x 2	

I.) Frame height 600 mm						
No.	9	6	5	4	3	2
Suggestions for combination						
A	1	1	1	1		
B	1	3	1			
C	2	4				
D	3	3				
E		5				
maximum bins for standard storage system size						
max.	7	5	3	2	2	1

II.) Frame height 1160 mm						
No.	9	6	5	4	3	2
Suggestions for combination						
A	1	1	1	1	1	1
B	2	2	2	2		
C		1	5	1		
D			3	2	1	
E		6	3			
maximum bins for standard storage system size						
max.	15	10	7	5	4	3

III.) Frame height 1800 mm						
No.	9	6	5	4	3	2
Suggestions for combination						
A	2	6	1	1	1	1
B	1	5	7			
C			11			
D		1			7	
E				4	4	
maximum bins for standard storage system size						
max.	23	16	11	8	7	5

MultiStore storage system

- With rear wall made of plastic coated chipboard
- three sizes for easy wall mounting
- well suited for presentation of goods in sales rooms
- for high loads and long life span
- Items sold without bins

Wall sets

light grey, fully assembled in 4 variations



Fig. no.	MultiStore	Dimensions D x W x H (mm)	Composition with MultiStore storage system no.				Number of drawers	PU
			9	6	5	4		
1	461118	92 x 610 x 410	-	3	-	-	18	1
2	461130		2	2	-	-	30	
3	461133	171 x 610 x 671	2	1	1	1	33	
4	461143	171 x 610 x 995	2	2	2	1	44	

### Cupboards

in different variants, fully assembled and extremely sturdy



### MultiStore storage system

- made of enamelled sheet steel
- 12 wall cabinets for easy wall mounting
- 24 upright cabinets in three sizes with various storage system combinations
- additional protection from metal frame
- well suited for presentation of goods in sales rooms
- Items sold without bins

Art. no.	Art. no.	Dimensions D x W x H (mm)	Composition with MultiStore storage system no.				Number of drawers	PU
			9	6	5	4		
465916	466016	250 x 665 x 900	-	-	-	4	16	1
465925	466025		-	1	3	1	25	
465926	466026		-	-	5	-	33	
465933	466033		-	3	3	-	42	
465942	466042		-	7	-	-	69	
465969	466069		5	4	-	-		

Art. no.	Art. no.	Dimensions D x W x H (mm)	Composition with MultiStore storage system no.					Number of drawers	PU
			9	6	5	4	3		
466121	466221	250 x 665 x 1,800	-	-	-	-	7	21	1
466131	466231		-	1	-	4	3	31	
466132	466232		-	-	-	8	-	32	
466138	466238		10	8	-	-	-	138	
466148	466248		-	4	3	-	3	48	
466150	466250		-	-	10	-	-	50	
466174	466274		-	9	4	-	-	74	
466180	466280		3	5	4	-	1	80	
466190	466290		-	15	-	-	-	90	
466257	466256		-	4	4	3	-	56	
466169	466269	250 x 665 x 2,000	-	4	9	-	-	69	1
466154	466155	250 x 1,270 x 2,000	-	16	10	2	-	154	

### Wall cabinets

### Upright cabinets

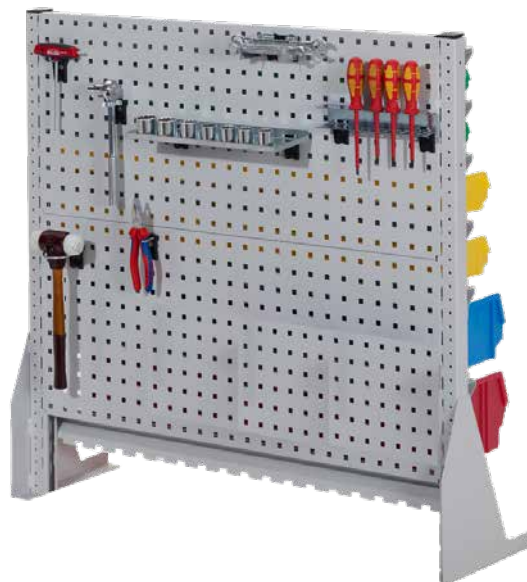


## Storage bin shelves

- used on both sides
- sturdy, powder-coated sheet steel construction
- 9 suspension rails each with max. load of 40 kg
- with two perforated plates for storage of tools (see perforated panel accessories)
- Photo shows example of use. Item sold with or without storage bins

## Standing desk rack

light grey, with or without open-fronted storage bins made of polystyrene



### Standing desk rack with bins

Art. no.	Dimensions W x H (mm)	Dimensions Perforated plates W x H (mm)	Width Suspension rail (mm)	Number of Suspension rails	Size 1 PS green	Size 2 PS yellow	Size 3 PS blue	Size 4 PS red	PU
781000	720 x 1,250	650 x 418	704	9	12	18	8	3	1
781001	1,030 x 1,250	962 x 418	1,016		18	27	12	4	

### Standing desk rack without bins / max. fitting per suspension rail

Art. no.	Dimensions W x H (mm)	Dimensions Perforated plates W x H (mm)	Width of suspension rail (mm)	Number of Suspension rails	Size 1 PS / PP	Size 2 PS / PP	Size 3 PS / PP	Size 4 PS / PP	PU
781100	720 x 1,250	650 x 418	704	9	6	6	4	3	1
781101	1,030 x 1,250	962 x 418	1,016		9	9	6	4	



### Standing racks, one-sided

light grey, with or without open-fronted storage bins made of polystyrene



### Standing racks, with bins on one side

- used on one side
- stable, non-tilting, screwed steel plate construction with suspension rails
- Powder coated
- max. load 40 kg per suspension rail

Article no.	Measurements W x H (mm)	Width of suspension rail (mm)	Number of suspension rails	fitted with				PU (pcs.)
				Size 1 PS	Size 2 PS	Size 3 PS	Size 4 PS	
781010	720 x 750	704	6	12	12	4	-	1
781030	720 x 1,000		7				3	
781050	720 x 1,250		9	18	18	8	6	
781070	720 x 1,585		11				-	
781020	1,030 x 750	1,016	6	18	18	6	4	
781040	1,030 x 1,000		7	18	18	6	4	
781060	1,030 x 1,250		9	18	27	12	4	
781080	1,030 x 1,585		11	27			8	

### Standing racks, no bins on one side / max. fitting per suspension rail

Art. no.	Dimensions W x H (mm)	Width of Suspension rail (mm)	Number of Suspension rails	fitted with				PU
				Size 1 PS / PP	Size 2 PS / PP	Size 3 PS / PP	Size 4 PS / PP	
781110	720 x 750	704	6	6	6	4	3	1
781130	720 x 1,000		7					
781150	720 x 1,250		9					
781170	720 x 1,585		11					
781120	1,030 x 750	1,016	6	9	9	6	4	
781140	1,030 x 1,000		7					
781160	1,030 x 1,250		9					
781180	1.030 x 1.585		11					

## Storage bin shelves

- used on both sides
- stable, non-tilting, screwed steel plate construction with suspension rails
- Powder coated
- max. load 40 kg per suspension rail

## Standing racks, two-sided

light grey, with or without open-fronted storage bins made of polystyrene



### Standing racks, with bins on two sides

Art. no.	Measurements W x H (mm)	Width of suspension rail (mm)	Number of sus- pension rails	fitted with				PU
				Size 1 PS 	Size 2 PS 	Size 3 PS 	Size 4 PS 	
782000	720 x 750	704	12	24	24	8	-	1
782020	720 x 1,000		14				6	
782040	720 x 1,250		18				12	
782060	720 x 1,585		22				-	
782010	1,030 x 750	1,016	12	36	36	12	8	
782030	1,030 x 1,000		14				-	
782050	1,030 x 1,250		18				16	
782070	1,030 x 1,585		22				16	

### Standing racks, two-sided without bins / max. fitting per suspension rail

Art. no.	Dimensions W x H (mm)	Width of Suspension rail (mm)	Number of Suspension rails	fitted with				PU
				Size 1 PS / PP	Size 2 PS / PP	Size 3 PS / PP	Size 4 PS / PP	
782100	720 x 750	704	12	6	6	4	3	1
782120	720 x 1,000		14					
782140	720 x 1,250		18					
782160	720 x 1,585		22					
782110	1,030 x 750	1,016	12	9	9	6	4	
782130	1,030 x 1,000		14					
782150	1,030 x 1,250		18					
782170	1,030 x 1,585		22					

## Mobile racks, two-sided

light grey, with or without open-fronted storage bins made of polystyrene



## Mobile racks, with bins on two sides

Article no.	Measurements W x H (mm)	Measurements of perforated plates W x H (mm)	Width of suspension rail (mm)	Number of suspension rails	fitted with				PU (pcs.)
					Size 1 PS	Size 2 PS	Size 3 PS	Size 4 PS	
783000	720 x 905	-	704	12	24	24	8	-	1
783020	720 x 1,155	-		14				6	
783040	720 x 1,405	-		18				12	
783060	720 x 1,740	-		22				16	
783010	1,030 x 905	-	1,016	12	36	36	12	-	
783030	1,030 x 1,155	-		14				8	
783050	1,030 x 1,405	-		18				16	
783070	1,030 x 1,740	-		22				24	
783080	720 x 1,405	650 x 418	704	9	12	18	8	3	
783090	1,030 x 1,405	962 x 418	1,016		18	27	12	4	

## Mobile racks, two-sided, without bins / max. fitting per suspension rail

Art. no.	Measurements W x H (mm)	Measure- ments of perforated plates W x H (mm)	Width of suspension rail (mm)	Number of suspension rails	Size 1 PS / PP	Size 2 PS / PP	Size 3 PS / PP	Size 4 PS / PP	PU
783100	720 x 905	-	704	12	6	6	4	3	1
783120	720 x 1,155	-		14					
783140	720 x 1,405	-		18					
783160	720 x 1,740	-		22					
783110	1,030 x 905	-	1,016	12	9	9	6	4	
783130	1,030 x 1,155	-		14					
783150	1,030 x 1,405	-		18					
783170	1,030 x 1,740	-		22					
783180	720 x 1,405	650 x 418	704	9	6	6	4	3	
783190	1,030 x 1,405	962 x 418	1,016		9	9	6	4	

## Storage bin shelves

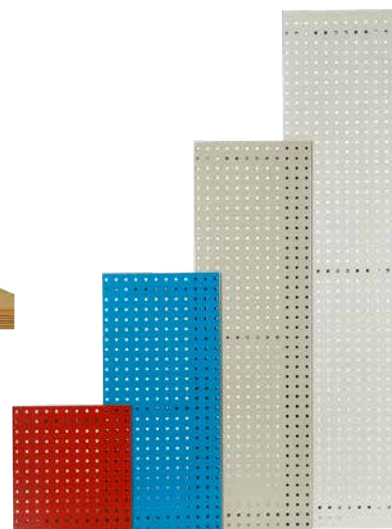
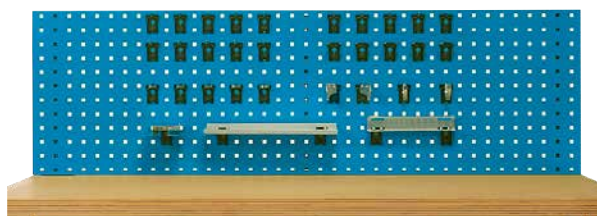
- used on both sides
- stable, non-tilting, screwed steel plate construction with suspension rails
- Powder coated
- max. load 40 kg per suspension rail
- with four shelves and handle for easy handling
- two lockable swivel castors and two fixed castors - max. load 750 kg
- Art. no. 783080, 783090, 783180 and 783190 with three perforated panels for storage of tools (see perforated panel accessories)
- Photo shows example of use. Item sold with or without storage bins

## Perforated plate wall system

- well suited for presentation of goods in sales rooms
- powder-coated, made of stable sheet steel
- rounded edges all round and reinforced with struts for the toughest conditions
- perforated with a spacing of 38 mm, 10 mm square perforations
- Hooks and holders are hung onto the panel and secured by turning by 90° degrees - no fixing screws are needed!
- easy wall mounting thanks to concealed screws
- any wall space can be used optimally by mounting the perforated panels next to each other
- also available in red, blue and beige upon request
- Item sold without fittings

## Perforated plates

light grey, allows neat storage of various tools and items



Article no.	Measurements W x H (mm)	PU (pcs.)
784000	450 x 500	1
784001	450 x 1,000	
784002	450 x 1,450	
784003	450 x 2,000	

## Accessories



1



2

Fig. no.	Article no.	Designation	Length (mm)	Hook Ø (mm)	PU (pcs.)
1	784010	Single hook	38	4.5	1
	784011		75		
	784012		100		
	784013		150		
	784014		200		
2	784031	Slanted hook for nuts and sockets	35		

### Accessories

### Perforated plate wall system



1



2



3

Fig. no.	Article no.	Designation	Ø (mm)	PU (pcs.)
1	784026	Tool clips for screwdrivers	6	1
	784027		10	
	784028		14	
	784029		19	
	784030		25	
2	784032	Round hook	40	
	784033		60	
3	784034		40	
	784035		60	
	784036		80	



1



2



3

Fig. no.	Article no.	Designation	Length (mm)	Hook Ø (mm)	Inside hook spacing (mm)	PU (pcs.)
1	784015	Double hook	38	4.5	9.5	1
	784016				16.5	
	784017				23.5	
784018	75		9.5			
784019			16.5			
784020			23.5			
2	784021		100		23.5	
	784022		200		23.5	
	784023	Pliers holder	45		9.5 / 27.5	
784024	16.5 / 34.5					
784025	23.5 / 41.5					

## Perforated plate wall system

## Accessories



Article no.	Designation	Length (mm)	Width (mm)	PU (pcs.)
784037	Tool holder for self service packs	150	21	1
784038			28	
784039			35	
784040		200	35	
784041		300	35	



1

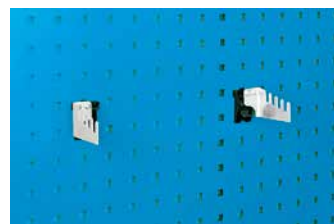


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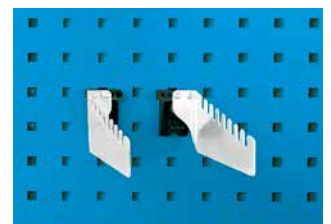
Fig. no.	Article no.	Designation	Width (mm)	various Ø 3-14 mm	PU (pcs.)
1	784042	Bit / Allen key holder	240	for 32 parts	1
	784043			for 64 parts	
2	784044	Wrench holder		for 32 parts	



1



2



3

Fig. no.	Article no.	Designation	Dimensions D x W (mm)	total	PU (pcs.)
1	784045	File/socket holder	165 x 96	for 8 parts	1
2	784046	Saw holder (pair)		for 4 saws	
3	784047	Wrench holder (pair)		for 8 parts	



### Accessories

### Perforated plate wall system



1



2

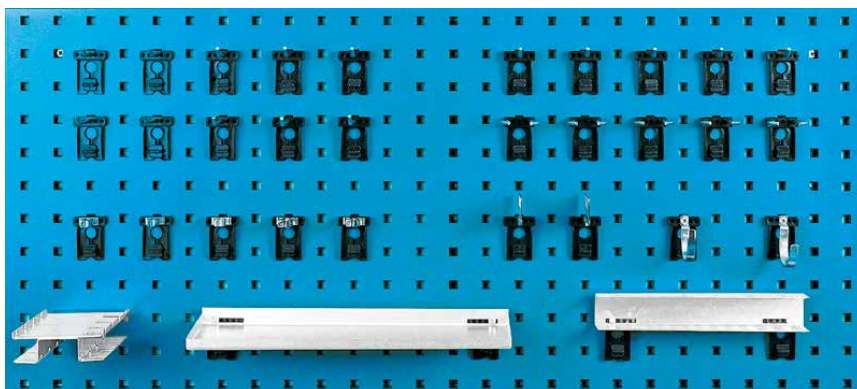


3

Fig. no.	Article no.	Designation	Dimensions D x W x H (mm)	PU (pcs.)
1	784048	Tray	120 x 350 x 10	1
2	784049	Plastic box for small items	100 x 95 x 30	
3	784004	Rail for storage bins made of sturdy sheet steel	18 x 500 x 45	

### Accessory sets

recommended combination for everyday use



Article no.	Designation	consisting of	PU (pcs.)
784005	31-part set	5 x pliers holders 45 mm long 10 x single hooks 38 mm long 5 x single hooks 75 mm long 1 x file and socket holder for 8 items 1 x wrench holder for 32 parts 1 x pair saw holders for 4 saws 2 x round hooks Ø 60 mm 3 x tool clips Ø 14 mm 2 x tool clips Ø 19 mm 1 x tray 350 x 120 mm	1
784006	18-part set	2 x pliers holder 45 mm long 2 x double hooks 38 mm long 2 x double hooks 75 mm long 4 x single hooks 38 mm long 3 x single hooks 75 mm long 2 x single hooks 100 mm long 3 x single hooks 150 mm long	

## Eurocontainers

- ideal for transport and warehouse logistics (e.g. conveyors)
- with two handles
- high stacking load capacity, fracture-proof and dimensionally stable
- closed, stable floors and side walls
- Container measurements are compliant with EUR-pallet (120 x 80 cm)
- resistant to greases, resins, alkalis, oils and acids
- food-safe - easy to clean
- upon request: individual colours / production from conductive material (black)
- separate accessories: light grey non-hinged lid (also stackable with lid)

## Eurocontainers

**light grey, optimised for pallet dimensions - all sizes can be safely stacked and combined with one another**



Article no.	Dimensions D x W x H (mm)		Inside dimensions D x W x H (mm)		Volume (L)	Weight (kg)	Load / stacking load (kg)	Accessories Lid art. no.	PU (pcs.)
417400	300 x 400	120	268 x 367	117	11.2	0.69	20 / 300	417410	1
417401		170		167	15.9	0.87			
417402		220		217	20.8	1.02			
417403		270		267	25.6	1.28			
417404		320		317	30.0	1.46			
417500	400 x 600	120	367 x 567	117	23.9	1.13		417420	
417501		170		167	35.6	1.36			
417502		220		217	44.2	1.67			
417503		270		267	54.4	1.96			
417504		320		317	64.5	2.21			
417107		420		416	80.0	3.20		417018	

## Aluminium boxes

silver, the ideal box for safe storage and transportation in three variations



29 Liter 47 Liter 76 Liter 91 Liter 140 Liter

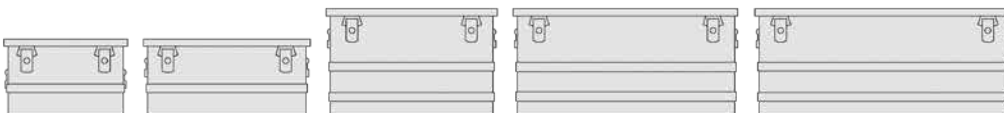
Article no.	Designation	Volume (L)	Dimensions D x W x H (mm)	Inside dimensions D x W x H (mm)	Weight (kg)	Handles	PU (pcs.)	Pallet (pcs.)
452000	PROFI-Box	29	335 x 432 x 277	300 x 400 x 245	3.00	1	1	48
452100		47	385 x 582 x 277	350 x 550 x 245	4.20	3		32
452200		76	385 x 592 x 409	353 x 560 x 380	5.10	2		20
452300		91	385 x 782 x 379	350 x 750 x 350	5.90			15
452400		140	495 x 902 x 379	460 x 870 x 350	7.50			8



50 Liter 72 Liter

Article No.	Designation	Volume (L)	Dimensions D x W x H (mm)	Inside dimensions D x W x H (mm)	Weight (kg)	Handles	PU (pcs.)	Pallet (pcs.)
451005	OFFICE-Box	50	440 x 440 x 320	400 x 400 x 290	3.00	2	1	20
451006		72	440 x 640 x 320	405 x 605 x 290	4.00			

29 Liter 47 Liter 70 Liter 90 Liter 140 Liter



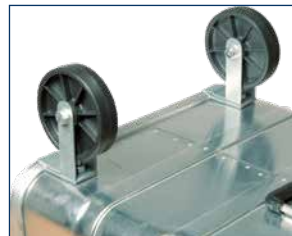
Article no.	Designation	Volume (L)	Dimensions D x W x H (mm)	Inside dimensions D x W x H (mm)	Weight (kg)	Handles	PU (pcs.)	Pallet (pcs.)
451000	ECO-Box	29	330 x 430 x 275	300 x 400 x 245	2.80	2	1	48
451100		47	380 x 580 x 275	350 x 550 x 245	3.60			32
451200		70	380 x 595 x 380	360 x 565 x 350	4.10			20
451300		90	380 x 780 x 380	350 x 750 x 350	5.00			15
451400		140	490 x 900 x 380	460 x 870 x 350	6.20			8

## Boxes and crates

- corrosion, weather and temperature resistant
- despite their light weight, they are extremely stable due to profiled beading
- stable lever-action closures with holes for padlock, lead seal, and fitting of cylinder locks (see accessories)
- plastic-covered folding safety handles for convenient transportation
- the surrounding rubber seal protects the contents against external influences such as dust and splash water
- Rebound straps on the lid of PROFI and ECO-Boxes prevent the hinges from breaking off
- PROFI-Box
  - made of 1.0 mm thick aluminium, extremely sturdy
  - separate accessories: Set of wheels
- ECO-Box made of 0.8 mm thick aluminium
- OFFICE-Box
  - made of 0.8 mm thick aluminium
  - detachable lid
  - rails for standard folders and hanging file folders
  - 50 L / 72 L: 4/8 folders (75 mm spine width) or 6/12 folders (50 mm spine width)
- other sizes and varieties are available upon request (custom-made items available starting at 50 units)

## Accessories

- Set of wheels
  - with two large plastic carrying wheels for convenient and safe transportation, even with heavy loads
  - only two 8.5 mm wide holes must be drilled for assembly
- Cylinder lock set
  - consisting of two locks and two keys
  - easy assembly



Article no.	Designation	for aluminium boxes	PU (pcs.)
454002	Set of wheels	PROFI	1
456400	Cylinder lock set	PROFI / ECO / OFFICE	

## Boxes and crates

- Stable and weatherproof
- Inner lining of hardboard
- Document compartment in the housing lid
- caddy for small parts
- with wide carrying handles and device for padlock.

## Metal appliance crates

dark blue, made of powder coated steel - very solid version



Article no.	Volume (L)	Dimensions D x W x H (mm)	Weight (kg)	Load capacity (kg)	PU (pcs.)
456900	70	360 x 690 x 310	12.90	90	1
456901	115	440 x 830 x 340	17.30		
456902	195	530 x 910 x 430	18.20		

## Plastic device boxes

black, made of sturdy plastic, in three sizes



Article no.	Volume (L)	Dimensions D x W x H (mm)	Weight (kg)	Load capacity (kg)	Material	PU (pcs.)
456904	60	420 x 600 x 470	5.90	80	PP	1
456905	113	500 x 800 x 470	8.30	100		
456907	163	500 x 1,000 x 480	13.10	150	PE	

## ALPHA

grey/red, with spacious compartment for storage of tools/machines and carrying tray



Article no.	Designation	Volume (L)	Dimensions D x W x H (mm)	Compartments in carrying tray	Weight (kg)	PU (pcs.)
663000	ALPHA MINI	9	225 x 410 x 185	5	1.10	6
663100	ALPHA COMPACT	15	260 x 485 x 230	6	1.70	4
663200	ALPHA MAXI	17	260 x 560 x 230	7	2.00	2
456500	ALPHA PREMIUM	20	280 x 510 x 290	0	2.30	4

## Boxes and crates

- Stable and weatherproof
- Security lock with cover and practical knob
- plastic-covered folding safety handles for convenient transportation
- Art. no. 456907: Rubber seal provides additional protection against dust and water

## Tool boxes

- made of fracture-proof, dimensionally stable polypropylene
- Lid and removable carrying tray, each with a retractable handle
- robust closures
- Hinges with galvanised metal axles
- with eyelet for fitting of a padlock
- ALPHA PREMIUM
  - two removable assortment boxes (each with 6 compartments) in box lid
  - sturdy metal lever clamp closures



## Tool boxes

- stackable, patented side locking system locks the cases automatically when they are placed on top of one another
- Lid design protects the contents against external influences such as dust and splash water
- with eyelet for fitting of a padlock
- separate accessories: Deep-drawn or foam inserts, tool panels, transport cart
- (without tools)
- Item sold without fittings

## BoxOnBox

**dark blue/red, innovative tool case system made of near-indestructible ABS**



Art. no.	Designation	Dimensions D x W x H (mm)		Inside dimensions D x W x H (mm)		Volume (L)	Weight (kg)	PU (pcs.)
471000	BoxOnBox S	335 x 464	142	300 x 400	80	9	2.15	3
471100	BoxOnBox S with foam inserts in lid						2.20	
471200	BoxOnBox M		212		150	18	2.65	2
471300	BoxOnBox L		362	312	37		3.75	1
471322	BoxOnBox L with tool panel set art. no. 472700						4.20	
471500	BoxOnBox B-Set (471100, 471200, 471300, 472200)		716	-	-	-	-	
471400	BoxOnBox A-Set (471100, 471200, 471300, 472200, 472900)	350 x 470	826	-	-	-	-	



### Tray subdivisions, tool storage and transportation assistance

#### Accessories

- Art. no. 472700 tool panel set consisting of two tool panels and two nubby side walls which allow individual positioning or further addition of tool panels
- Item sold without fittings



Fig. no.	Art. no.	Designation	Dimensions D x W x H (mm)	PU (pcs.)	Accessories for BoxonBox art. no.				
					471000	471100	471200	471300	471322
1	472000	Deep-drawn inserts, 5 fixed compartment divisions	300 x 400 x 75	5	✓	✓			
	472100	Deep-drawn inserts, 18 fixed compartment divisions			✓	✓			
	472200	Deep-drawn inserts, 9 dividers for variable compartment divisions (3-12 compartments)			✓	✓			
	473000	Deep-drawn inserts, 10 fixed compartment divisions			✓	✓			
2	472300	Foam insert for lid	300 x 400 x 15	25	✓	incl.	✓	✓	✓
	472400	Foam insert for base			✓	✓	✓	✓	✓
3	472500	Tool panel for lid, two elastic bands each with 9 holders	290 x 380 x 3	45	✓		✓	✓	✓
4	472600	Tool panel for base, two elastic bands each with 5 holders (as extension to 472700)	260 x 286 x 3						✓
	472700	Tool panel set (2 x 472600 + 2 x side panels)		12				✓	incl.
5	472900	Transport cart, carry load 200 kg	350 x 470 x 110	2	✓	✓	✓	✓	✓

Tool boxes

- made of fracture-proof, dimensionally stable polypropylene
- with two large storage compartments
- ergonomically shaped aluminium handle

Tool caddy

in ECO design



Article no.	Design	Colour	Dimensions D x W x H (mm)	Weight (kg)	PU (pcs.)
438300	ECO		294 x 396 x 215	0.70	12

Tool boxes

- 5 basic compartments with further subdivisions
- Hammer tone finish
- Rounded edges
- stable handle, full tube
- Piano band hinges
- with eyelet for fitting of a padlock

Metal tool box

blue, 0.6 mm sheet thickness - extra robust



Article no.	Designation	Dimensions D x W x H (mm)	Weight (kg)	PU (pcs.)
437100	COMPACT	200 x 530 x 200	4.60	1
437200	MAXI	200 x 600 x 200	5.05	

### Industrial bucket

black, made of fracture-proof polyethylene, in two variations



Article no.	Designation	Volume (L)	Dimensions d x h / D x W x H (mm)	Weight (g)	PU (pcs.)	Accessories lid art. no.	PU (pcs.) lid
941200	Bucket, round with spout	10.5	286 x 283	580	9		
942200	Bucket, round with spout	17.0	330 x 315	890	8		
943300	Bucket, square without spout	14.0	292 x 292 x 292	710	6	945200	6

### Oil can

silver-grey, made of fracture-proof polyethylene with sieve insert



Article no.	Volume (L)	Dimensions D x W x H (mm)	Weight (g)	PU (pcs.)
821200	13	210 x 505 x 400	860	4

Article no.	Designation	Colour	for a (mm)	Sieve insert s (mm)	Wire thickness (mm)	Mesh width (mm)	Material	PU (pcs.)
ET-373200	Sieve insert/oil filter			70	0.16	0.42	Stainless steel	10
ET-230902	Small screw cap		24				PE	5
ET-232200	Large screw cap		96					

### Buckets

- very resistant to acids, alkalis and other chemicals
- with embossed scale and plastic handle (also available as replacement part)
- Industrial bucket, round: With flow-out for safe handling
- Industrial bucket, square: Lid for reliable protection from contamination, available as accessory
- on request: Branding, print, labelling, individual scales and colours possible

### Can

- very resistant to acids, alkalis and other chemicals
- fitted with two handles for safe handling
- large nozzle opening makes cleaning easier
- Sieve insert in the sealable filling opening and screw cap at the outlet protect contents from contamination
- Fine-meshed sieve insert made of stainless steel (replaceable)

### Replacement parts

## Laboratory and food



Wide-mouth jerrycan	59	Containers	69
Water jerrycans	60	- with screw cap	69
- PROFI	60	- with slip lid	69
- ECO	61	Bottles	70
Industrial jerrycan	62	- wide-mouth bottle	70
Carboys / storage tanks	63	- narrow-mouth bottle	70
Corner valves	64	- drinking/storage bottle	71
Spout	64	- washbottles	70
- with threaded connector	64	- dispenser bottles	71
- with DIN Screw cap	65	Fittings	72
Graduated cans	66	- straight spouts	72
Funnels	67	- nipple for pipes	72
Scoops	68	- hose couplings	73
Buckets	68		

### Wide-mouth jerrycan

natural-coloured, made of fracture-proof polyethylene



Article no.	Volume (L)	Dimensions D x W x H (mm)	Weight (g)	w / a large opening (mm)	w / a sleeve opening (mm)	PU (pcs.)	Pallet (pcs.)
817100	5	140 x 297 x 280	616	88 / 105	18 / 24	6	120
818100	10	154 x 302 x 397	905			5	75
818200	22	180 x 370 x 475	1,390			3	48
818300	31	252 x 365 x 482	1,500			2	32

- very large opening (88 mm diameter) allows easy filling, emptying and cleaning
- captive, fillable wide neck screw cap
- useful as settling bottle
- with gripping surface on the base for secure handling
- Art. no. 817100 and 818100: With additional, small spout (Ø 18 mm) and spout nozzle
- resistant to greases, resins, alkalis, oils and acids
- UV protection for longlife
- opening sealed with screw plug for screwing in spigots and corner valves (wide thread 22 mm)
- on request: Custom-made product without screw plug opening, print, labelling, individual scales and colours possible

### Valves, corner valves, screw caps, sleeves and seals

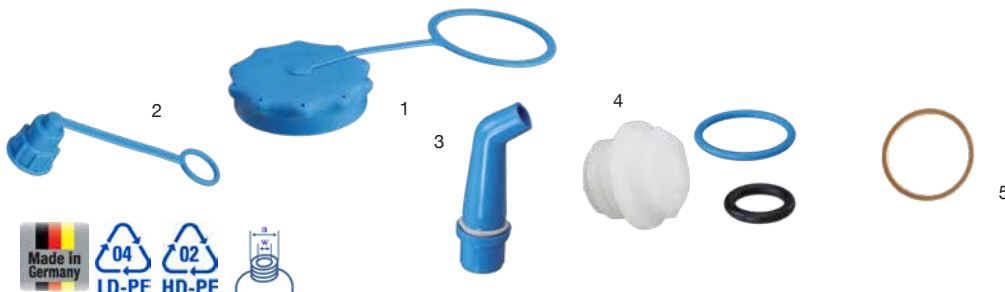


Fig. no.	Article no.	Designation	Colour	for a (mm)	Material	PU (pcs.)
1	ET-232400	Wide-mouth screw cap	Blue	105	HDPE	2
2	ET-230600	Sleeve screw cap		24		5
3	ET-281200	Spout				
4	ET-818000	Wide-mouth plug set		22	PE/NBR	10
5	ET-331100	Seal for wide-mouth screw cap			NBR	

### Accessories and replacement parts

- separate accessories:
  - Spigots (art. no. 550100, 560100)
  - Corner valves (art. no. 520100, 520700)
  - R 1/2" thread adapter (art. no. 525400) for fastening hose couplings and other fittings
- Plug set consisting of screw caps and 2 seals
- Wide-mouth screw cap including seal

Jerrycans

- intake integrated in jerrycan for safe, space-saving deposit of spigot and screw plug
- large opening (48 mm diameter) allows easy filling, emptying and cleaning
- captive, fillable wide-mouth screw cap
- with gripping surface on the base for secure handling
- resistant to greases, resins, alkalis, oils and acids
- UV protection for long life
- opening sealed with screw plug for screwing in spigots and corner valves (wide thread 22 mm)
- on request: Custom-made product without screw plug opening, branding, print, labelling, individual scales and colours possible

PROFI water jerrycans

natural-coloured made of fracture-proof polyethylene, stackable, including removable spigot



Article no.	Volume (L)	Dimensions D x W x H (mm)	Weight (g)	w / a mm	PU (pcs.)	Pallet (pcs.)
816500	12	165 x 350 x 310	1,020	48 / 65	5	90
816700	22	165 x 350 x 495	1,350		3	48

Accessories and replacement parts

- separate accessories:
  - Spigot (art. no. 560100)
  - Corner valves (art. no. 520100, 520700)
  - R 1/2" thread adapter (art. no. 525400) for fastening hose couplings and other fittings
- Replacement parts: Spigot (art. no. 550100) and plug set
- Plug set consisting of screw cap and seal
- Rigid, ventilated spout (art. no. 819510) with blue screw cap, nozzle outside Ø 31 mm and 220 mm long

Valves, corner valves, spout, screw cap and seal



Fig. no.	Article no.	Designation	Colour	for a (mm)	Material	PU (pcs.)
1	819510	Spout	■	65	HDPE	3
2	ET-232802	Screw cap				5
3	ET-816000	Water jerrycan plug set		22	PE/silicone	10



## ECO water jerrycans

natural-coloured, made of fracture-proof polyethylene



Article no.	fitted with	Volume (L)	Dimensions D x W x H (mm)	Weight (g)	w / a mm	PU (pcs.)	Pallet (pcs.)
816100	Spout	6	147 x 265 x 247	400	29 / 38	6	144
817400		12	160 x 290 x 331.5	480		5	120
817600		22	190 x 370 x 440	750		3	48
817500	Spout	12	160 x 333.5 x 331.5	485		5	90
817700		22	190 x 415 x 440	830		3	48

## Spigot, spouts and screw cap

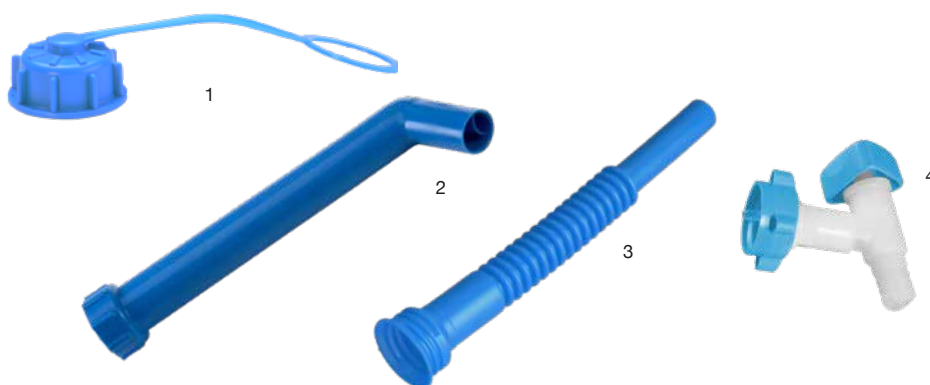


Fig. no.	Article no.	Designation	Colour	for a (mm)	Nozzle external Ø (mm)	Length (mm)	Material	PU (pcs.)
1	ET-231610	ECO screw cap	Blue	38			HDPE	5
2	818900	rigid spout			24	260		3
3	819704	flexible spout			19	265		5
4	550300	PROFI spout	Blue/White				HDPE/LDPE	

## Jerrycans

- fitted either with spout (art. no. 819704) or ECO fixed mounted spigot made of LDPE with sleeve connection 3/4"
- captive screw cap
- resistant to greases, resins, alkalis, oils and acids
- on request: Branding, print, labelling, individual scales and colours possible
- separate accessories: PROFI spout (art. no. 550300)

## Accessories and replacement parts

- separate accessories: PROFI spout with screw cap S38
  - pressure resistance up to 0.4 bar
  - with integrated ventilation to guarantee quick liquid transfer without gurgling
  - Run-out speed > 3.5 L/min
- flexible spout with bellows

## Jerrycans

- compact shape - convenient and stackable
- very resistant to acids, alkalis and other chemicals
- separate accessories: Spigots with screw cap DIN 45 and DIN 60/61

## Industrial jerrycans

natural-coloured, made of fracture-proof polyethylene



Article no.	Volume (L)	Dimensions D x W x H (mm)	Weight (g)	w (mm) / a	PU (pcs.)	Pallet (pcs.)	UN certification
426201	5	145 x 195 x 252	190	34 / DIN 45	12	192	3H1/Y1.9/130/--/A/PA-03/417130/AMO
426301	10	192 x 232 x 306	365		6	96	3H1/Y1.9/150/--/A/PA-03/408651/AMO
426401	20	231 x 294 x 399	810	47 / DIN 60	3	45	3H1/Y1.9/180/--/A/PA-03/44094/AMO
426501	30	230 x 288 x 578	1,210		2	30	3H1/Y1.9/180/--/A/PA-03/44094/AMO

## Accessories and replacement parts

- separate accessories:
  - PROFI and ECO spigots with screw cap DIN 45 (art. no. 550600 and 560200)
  - PROFI and ECO spigots with screw cap DIN 60/61 (art. no. 550500 and 560500)
- Replacement parts:
  - red closures with original ring and PE seal

## Spigots and screw caps made of polyethylene



Article no.	Designation	for a (mm)	PU (pcs.)
426211	Screw cap	45	100
426411	Screw cap	60	

### Carboys / storage tanks

natural-coloured, extra-thick walls, made of fracture-proof polyethylene, with/without scale



Art. no. without scale	Art. no. with scale	Volume (L)	Dimensions d x h (mm)	Weight (g)	w / a (mm)	PU (pcs.)	Pallet (pcs.)
823300	823310	5	167 x 348	570	50 / 65	5	120
823400	823410	10	210 x 427	884		4	64
823500	823510	25	275 x 580	1,780		2	30
823600	823610	60	350 x 830	2,710		1	12

### Valves, corner valves, handles, screw cap and seals



Fig. no.	Art. no.	Designation	Colour	for carboy (L)	Material	PU (pcs.)
1	ET-320600	Handle with PE tube		5, 10, 25	Metal	10
2	ET-319200	Carrying handle with bolt		60	HD-PE	
3	ET-232100	Screw cap		5 - 60	HD-PE	5
4	ET-823000	Carboy plug set	-		PE	10

### Carboys / storage tanks

- large opening (50 mm diameter) allows easy filling, emptying and cleaning
- captive screw cap
- useful as settling bottle
- resistant to greases, resins, alkalis, oils and acids
- UV protection for long life
- opening sealed with screw plug for screwing in spigots and corner valves (wide thread 22 mm)
- on request: Custom-made product without screw plug opening, print, labelling, individual scales and colours possible

### Accessories and replacement parts

- separate accessories:
  - Spigots (art. no. 550100, 560100)
  - Corner valves (art. no. 520100, 520700)
  - R 1/2" thread adapter (art. no. 525400) for fastening hose couplings and other fittings
- Replacement part:
  - Plug set consisting of screw cap and 2 seals

## Valves and spigots

- in PROFI and ECO design
- made of fracture-proof polyethylene with sleeve connection for a hose
- very resistant to acids, alkalis and other chemicals
- Wide thread suitable for wide-mouth jerrycans, carboys and PROFI water cans
- Corner valves allow for extra-precise dosing
- Spout PROFI
  - quick liquid transfer without gurgling thanks to integrated ventilation
  - rotatable through 360° in any position desired

## Corner valves and spigots

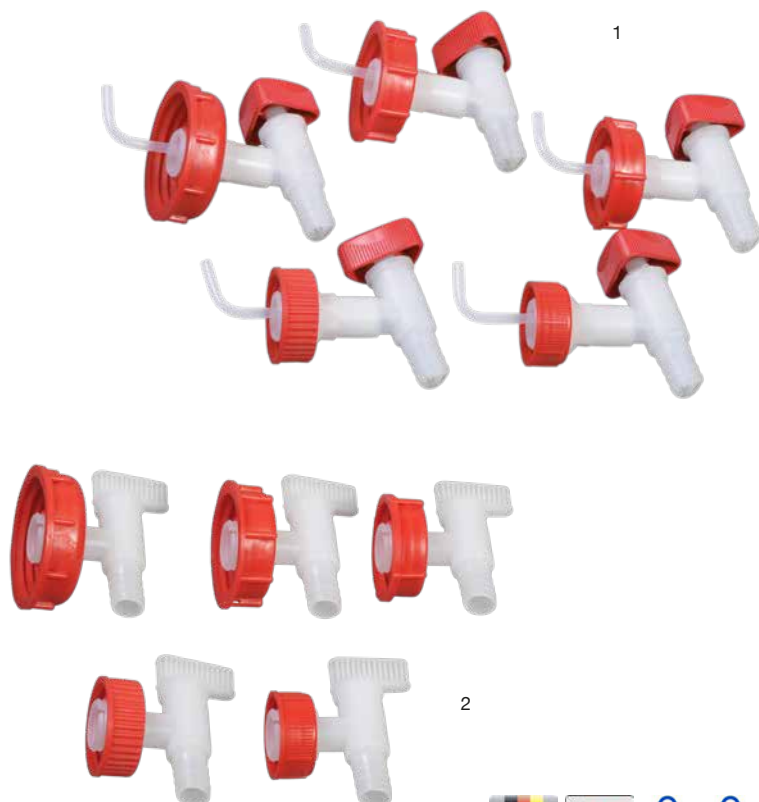
for controlled emptying of liquid from barrels and jerrycans



for threads	Corner valve angled	Corner valve straight	Angular spout	PROFI spout	ECO spout
Pictograms					
R 3/4"	-	-	-	550000 	560000 
Wide thread 22 mm	520700 	520100 	-	550100 	560100 
R 1/2"+R 3/4"	-	-	-	550200 	-
R 1/2"	520800 	520300 	523800 	-	-
Sleeve outside Ø in inches (mm)	1/2" (13)		1/2" (13)	3/4" (19)	3/4" (19)
Run-out speed in L/min	> 1.5	> 3.0	> 3.0	> 3.5	> 1.5
max. pressure resistance bar	1.5		1.5	0.4	0.4
Ventilation	without		without	with	without
Material	HDPE/LDPE		HDPE	HDPE/LDPE	LDPE
Sealing screw cap	without		without	PE foam (550000 only)	PE foam (560000 only)
PU (pcs.)	5				

### Spigots with DIN screw cap

for controlled emptying of liquids from industrial jerrycans



for screw cap in line with	1) PROFI	2) ECO
DIN 45	550600	560200
DIN 50	550400	560300
DIN 51	550700	560400
DIN 60/61	550500	560500
DIN 71	550800	560600
Colour		
Sleeve outside Ø in inches (mm)	3/4" (19)	
Run-out speed L/min	> 3.5	> 1.5
max. pressure resistance bar	0.4	
Ventilation	with	without
Material	HDPE / LDPE	
Sealing screw cap	PE foam	
PU (pcs.)	5	

### Spout

- in PROFI and ECO design
- made of fracture-proof polyethylene with sleeve connection for a hose
- very resistant to acids, alkalis and other chemicals
- with red DIN screw cap
- Spout PROFI
  - quick liquid transfer without gurgling thanks to integrated ventilation
  - with red knob
  - rotatable through 360° in any position desired
- ECO drain valves specially designed for jerrycans with additional ventilation opening
- DIN 45 suitable for industrial jerrycans (art. no. 426201 and 426301)
- DIN 60/61 suitable for industrial jerrycans (art. no. 426401 and 426501)








## Graduated cans

- suitable for dishwasher, microwave and deep freezer
- all graduated cans with injection moulded, transparent scale, alternatively with additional blue embossed scale
- Extra stable version thanks to closed handle, space-saving and stackable with open handle
- ergonomic handle and flow-out for safe handling
- Graduated cans PP:
  - fracture-proof and dimensionally stable
  - good chemical resistance to alcohol, greases, resins, alkalis, oils and acids
  - especially resistant to temperatures of -20 °C to +100 °C
  - autoclavable
- Measuring cans PE:
  - fracture-proof
  - very good chemical resistance to alcohol, acids, alkalis and other chemicals
  - resistant to temperatures of -20 °C to +70 °C
- Measuring cans SAN:
  - especially dimensionally stable
  - chemical resistance to alcohol, greases, alkalis, oils and acids
  - resistant to temperature of -20 °C to +85 °C
- on request: Branding, print, labelling, individual scales and colours possible
- separate accessories: Lid made of PP reliably protects contents from contamination

## Graduated cans

made of polypropylene (PP), polyethylene (HDPE) or styrene-acrylonitrile (SAN)



Volume (ml)											
Fig.	Material	Colour	Handle	Graduation	120	250	500	1000	2000	3000	5000
1	PP			transparent + blue	-	-	935000	936000	937000	938000	939000
				transparent	-	930000	935100	936100	937100	938100	939100
2				transparent + blue	-	-	935500	936500	937500	938500	939500
				transparent	-	-	935600	936600	937600	938600	939600
					-	-	930700 Graduated can set PU (pcs.) 12 500 + 1000 + 2000 ml			-	-
					931200	-	-	-	-	-	-
3	HD-PE			transparent + blue	-	-	-	936200	937200	938200	939200
4	SAN			transparent	-	-	935300	936300	-	-	-
	Scale (Subdivision in ml)				10	5	10	10	20	50	100
	Dimensions d x h (mm)				57.5 x 75	72 x 120	90 x 135	117 x 165	151 x 206	175 x 238	203 x 257
	PU (pcs.)				10	25	16	12		10	5
5-6	Accessories lid PP art. no.				-	-	-	258000	259000	-	-
	PU (pcs.) lid				-	-	-	32	16	-	-



## Funnels

natural-coloured, made of fracture-proof polyethylene



Article no.	Designation	Pictograms	w (mm)	e (mm)	Total height (mm)	Capacity (L)	Sieve insert s (mm)	PU (pcs.)
950100	Funnels		50	3	57	0.018	without	12
950200	Funnels with eyelet		60	8	80	0.036		
950300			80	11	105	0.08		
950400			100	12	126	0.17		
950500			120		145	0.29		
950600			140	15	167	0.5		
950700			164	17	198	0.79		
951100	Universal funnel with handle		168	17	199	1	50	10
951200			208	20	218	2	80	6
954100			260	20	372	6.1		7
954200			350	32	441	12		
954500	Oval funnel with eyelet		116x172	18.5	185	0.66	50	12



Article no.	Designation	Pictograms	Colour	w (mm)	e (mm)	Total height (mm)	Capacity (L)	Sieve insert s (mm)	Length (mm)	Material	PU (pcs.)
953100	Funnels			253	50	190	3.5	105		HDPE	10
953300	Pipe nozzles			50	21	170				HDPE	
957200	Flexible tube with connector piece			50	20				530	HDPE/LDPE	



Article no.	Designation	Colour	s (mm)	Wire thickness (mm)	Mesh width (mm)	Material	PU (pcs.)
958100	Replacement sieve insert		50	0.16	0.42	Stainless steel	10
958200	Replacement sieve insert		80				
958300	Replacement sieve insert		105				

## Funnels

- very resistant to acids, alkalis and other chemicals
- with eye hook or handle
- Venting ribs at the funnel end (art. no. 950200-954500)
- Art. no. 951100, 951200, 953100, 954100 and 954200 with overflow rim (splash guard) and extra-fine sieve insert made of stainless steel (interchangeable)
- Replacement parts: Sieve inserts (art. no. 958100, 958200, 958300)
- separate accessories for drum funnel: Pipe nozzle and flexible tube

Scoops

- very resistant to acids, alkalis and other chemicals
- dishwasher safe
- on request: Print, labelling and individual colours possible

Scoops

natural-coloured, especially sturdy, made of fracture-proof polyethylene



Article no.	Volume (ml)	Length L (mm)	Weight (g)	PU (pcs.)
920400	110	187	16	12
920600	230	250	37	
920700	470	310	58	6
920800	725	350	86	3
920900	1,390	400	154	

Buckets

- very resistant to acids, alkalis and other chemicals
- with embossed scale and plastic handle (also available as replacement part)
- Industrial bucket, round: With flow-out for safe handling
- Industrial bucket, square: Lid for reliable protection from contamination, available as accessory
- on request: Branding, print, labelling, individual scales and colours possible

Industrial bucket

natural-coloured, made of fracture-proof polyethylene, in two variations



Article no.	Designation	Volume (L)	Dimensions d x h / D x W x H (mm)	Weight (g)	PU (pcs.)	Accessories lid art. no.	PU (pcs.) Lid
941100	Bucket, round with spout	10.5	286 x 283	580	9		
942100		17.0	330 x 315	890	8		
943100	Bucket, square without spout	14.0	292 x 292 x 292	710	6	945100	6

## Screw cap containers

natural-coloured, round, made of polypropylene



Article no.	Volume (ml)	Dimensions d x h (mm)	w (mm)	PU (pcs.)
915200	250	104 x 50	90	25
915300	500	104 x 100		14
915600	1,000	125 x 126	111	12

## Containers

- dustproof screw cap made of PP reliably protects contents from contamination
- fracture-proof and dimensionally stable
- resistant to greases, resins, alkalis, oils and acids
- suitable for dishwasher, microwave and deep freezer
- on request: Print, labelling and individual colours possible
- Material variant containers made of polyethylene: better impact resistance than PP at low temperatures

## Containers with slip lid

natural-coloured, round and square, made of fracture-proof polyethylene



Article no.	Shape	Volume (ml)	Dimensions d x h / D x W x H (mm)	PU (pcs.)
911100	round	200	98 x 42	30
913100		250	78 x 88	60
911200		400	114 x 55	20
913200		500	95 x 127	24
911300		700	114 x 88	25
911400		1,000	136 x 110	20
911600		2,000	169 x 143	25
910100	square	500	103 x 103 x 64	20
910200		1,000	103 x 103 x 127	16
910300			103 x 208 x 64	18
910400		1,500	103 x 208 x 94	20
910500		2,000	103 x 255 x 94	
910600			208 x 208 x 64	
910700		3,200	208 x 208 x 94	14

## Containers

- dustproof hooded lid made of LDPE reliably protects contents from contamination
- stackable
- very resistant to acids, alkalis and other chemicals
- suitable for dishwasher, microwave and deep freezer
- on request: Print and labelling possible

Bottles

- ideal for keeping samples
- can be easily squashed and retain its shape
- very resistant to acids, alkalis and other chemicals
- suitable for dishwasher and deep freezer
- Replacement part: Cap

Wide and narrow-mouth bottles

natural-coloured, made of fracture-proof polyethylene (LDPE)



Article no.	Designation	Volume (ml)	Dimensions d x h (mm)	w / a mm	Replacement screw cap	PU (pcs.)
420100	Wide-neck	50	39 x 76	23.8 / 32	410000	10
420200		100	48 x 93.5			
420300		200	59 x 114	30.8 / 40	410100	
420400		250	64 x 120			
420500		300	67.5 x 128			
420600		500	77 x 154	39.2 / 50	410200	
420700		750	88 x 173			
420800		1,000	95 x 205	50 / 65	410300	
420900		1,500	108 x 226			
421000		2,000	120 x 247			
422400		Narrow-neck	50	37.5 x 86	12.9 / 18	
422500	100		47 x 105			
422700	250		61.3 x 140	19 / 25	410600	
422800	500		75 x 177			
422900	1,000		97.5 x 223.5	21.5 / 28	410700	
423000	2,000		120 x 264			
423100	3,000		138 x 300	23.8 / 32	410000	

Bottles

- Bottles allow for extra-precise dosing
- very resistant to acids, alkalis and other chemicals
- Angle spray tube with fine tip

Washbottles

natural-coloured, round, made of fracture-proof polyethylene (LDPE)



Article no.	Volume (ml)	Dimensions d x h (mm)	w (mm)	PU (pcs.)
842200	500	78 x 164	18	15
842300	1,000	79 x 265		12

## Drinking/storage bottles

natural-coloured, made of fracture-proof polyethylene



Article no.	Volume (ml)	Dimensions D x W x H (mm)	w / a mm	PU (pcs.)
832100	500	55 x 79 x 203	18 / 30	15
832300	1,000	69 x 100 x 235		
833200	1,500	85 x 115 x 275	29 / 38	18
833300	2,000	86 x 128 x 294		15
833400	3,000	100 x 147 x 316		12

## Dispenser bottles

natural-coloured, made of fracture-proof polyethylene (LDPE)



Article no.	Volume (ml)	Dimensions d x h / D x W x H (mm)	w (mm)	PU (pcs.)
844200	50	28 x 51 x 79	13	30
843100		40 x 84		
843200	100	48 x 115	18	
843400	250	61 x 134		
843500	500	78 x 162		24

### Bottles

- captive, tight-sealing screw cap
- very resistant to acids, alkalis and other chemicals
- dishwasher safe

### Bottles

- Bottles allow for extra-precise dosing
- very resistant to acids, alkalis and other chemicals
- with round or oval shape (art. no. 844200)
- Replacement parts: Oiler tips with yellow union nut and red protective cap (ET-840000) for 843400 and 843500, PU (pcs.) 10

## Fittings

- natural-coloured, with sleeve and / or thread connection
- made of fracture-proof polyethylene
- very resistant to acids, alkalis and other chemicals
- Art. no. 523200 with seal made of LDPE

## Straight spouts with locking function

for connecting hoses or containers



			Sleeve outside Ø		(Tube) thread outside Ø			
Article no.	Designation	Connections	Side 1 in inches (mm)	Side 2 in inches (mm)	Side 1 in inches	Side 2 in inches	Material	PU (pcs.)
522100	Straight spout	sleeve on both sides	3/8" (10)	3/8" (10)	-	-	LDPE	5
522200			1/2" (13)	1/2" (13)				
522300			3/4" (19)	3/4" (19)				
528700		Sleeve & thread	1/2" (13)	-	R 1/2"			
528100		thread on both sides	-					
523200					R 3/4"	R 3/4"		
522400	Reduction straight spout	sleeve on both sides	1/2" (13)	3/8" (10)	-	-		
522500			3/4" (19)	3/8" (10)				
522600				1/2" (13)				
528800		Sleeve & thread	3/8" (10)	-	R 1/2"			
528600			3/4" (19)					

## Fittings

- natural-coloured, made of fracture-proof polyethylene
- available in various sizes as T, L, Y, reduction and straight connector
- very resistant to acids, alkalis and other chemicals

## Nipple for pipes

with sleeve connections for hoses



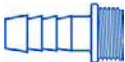
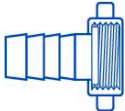

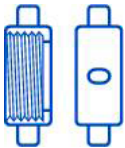

Shape	Ø in mm	4	6	8	10	13	19	16	25
	Inches	1/8"	1/4"	5/16"	3/8"	1/2"	3/4"	5/8"	1"
	D	536800	536900	537000	537100	537200	537400	537300	-
	l (mm)	39	56	61	74	79	89	84	-
	L	538700	538800	538900	539000	539200	539300	-	-
	l (mm)	23	32	36	38	40	44	-	-
	Y	535000	535100	535200	535300	535400	-	-	-
	l (mm)	30	44	48	49	59	-	-	-
	Straight	535800	535900	536000	536100	536200	536300	-	536400
	l (mm)	36	53	58	65	74	74	-	84
	Reduction 3/4" - 1/2"	-	-	-	-	536500	-	-	-
	l (mm)	-	-	-	-	74	-	-	-
	Reduction 1/2" - 3/8"	-	-	-	536600	-	-	-	-
	l (mm)	-	-	-	66	-	-	-	-
	PU (pcs.)	25			10				




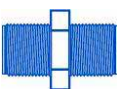

### Hose couplings

for connecting hoses to containers



Designation	Pictograms	Sleeve Ø in mm	R 1"	R 3/4"	R 1/2"	R 3/8"	PU (pcs.)			
Hose coupling with outside thread		10	-	-	531100	-	10			
		13		531300	531200					
		16		531400	-					
		19	531600	-						
Hose coupling with union nut		10	-	-	532100			-		
		13		532300	-					
		16		532400						
		19	532600							
Angled hose coupling with union nuts (with rubber seal except 540100)		10	-	-	540400				-	
		13		540100	-					
		19		540300						-
Union nuts		-	530600	530300	530100					
Hose coupling with outside thread and hexagon		13	-	-	-	541300				-
		19		-	541400					
		25		541500	-					



Designation	Pictograms	AF (mm)	R 1"	R 3/4"	R 1/2"	R 3/8"	PU (pcs.)
Wide thread adapter for R 1/2" inner thread		27	-	-	525400	-	10
Shoulder nipple		27		543300			
		32		543400	-		
Hexagonal nuts		22		-	527100		
		27		527300	-		
		36		527400			
		46		527500		-	

### Fittings

- natural-coloured, made of fracture-proof polyethylene
- very resistant to acids, alkalis and other chemicals
- Angle hose couplings
  - with rubber seal (except art. no. 540100)
  - Art. no. 540200 with union nut made of POM e.g. for washing machines
- Wide-thread (22 mm) adapter to R 1/2" inner thread (art. no. 525400) for inch connections to hünersdorff jerrycans with wide thread connection



**We'll solve your problems  
for custom-made products:**

- quickly
- innovatively
- competently

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from you:

[www.huenersdorff.de/en/service/sales-of-technical-parts.html](http://www.huenersdorff.de/en/service/sales-of-technical-parts.html)



Competence, know-how and decades of experience in the processing of plastics: These are the prerequisites for being able to sell individual products, the technical parts.

In close cooperation with the customer, our specialists design and develop hünersdorff plastic injection and blow moulding dies as well as their peripherals, also for highly complex mouldings.

This naturally also includes competent advice and support - from the first planning meeting up to the finished product.

Modern and efficient machines and equipment are available for the production of high-quality plastic products satisfying the quality and precision standards of hünersdorff. In total 20 injection moulding machines with a closing force of 400 kN to 5,000 kN and 18 blow moulding machines with a closing force of 60 kN to 600 kN and a blowing volume of 100 ml to 120 L are available.



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## § 1 Conclusion of the Agreement

1. Unless otherwise expressly agreed, the "General Delivery Terms and Conditions" alone shall apply to all agreements, deliveries and other services included in business transactions with non-consumers as defined by § 310, paragraph 1 of the German Civil Code [Bürgerliches Gesetzbuch - BGB]. As part of an ongoing business relationship between business people, the terms and conditions shall also then become an integral component of the agreement, if the seller has not expressly made reference thereto in the individual instance in question.
2. Any conflicting terms and conditions, particularly the buyer's conditions of purchase, are hereby rejected. Other terms and conditions of the purchaser shall not be valid except where these involve individual agreements. Deviations as a result of individual agreements must be made in writing. Conflicting conditions of purchase on the part of the purchaser shall not apply even if they are included in a letter of confirmation from the purchaser following our confirmation of contract and we have not expressly contradicted them. A lack of response on our part shall be deemed rejection thereof. Our terms and conditions shall be accepted with effect from acceptance of the goods by the purchaser at the latest, in particular in the case of telephone orders.
3. Supply contracts shall be concluded either by means of our written order confirmation following a written order or upon delivery. All verbal (particularly via telephone), secondary and auxiliary agreements, even those concerning fulfilment of the order, shall require our specific written confirmation in order to be valid.
4. Any documents associated with the quotation such as diagrams, drawings, weights and measurements shall only be approximate unless expressly referred to as binding. We hereby retain ownership of and copyright over cost estimates, drawings and other documents, which may not be disclosed to third parties.

## § 2 Delivery

1. The scope of delivery shall conform to our written order confirmation.
2. Within our standard range (§ 5 No. 2) deliveries rounding the order quantity up or down in sealed packaging units, or in the case of special designs (§ 5 No. 5) additional or short deliveries shall be permitted by up to 10%. We hereby reserve the right to fulfil orders in partial deliveries. The purchaser hereby undertakes to inform us at least three months in advance and in writing of cancellations or of change requests to listed items which have optional extras in accordance with its own specific requirements, and to continue to accept goods with the former features up to the average volume of sales for three months.
3. All items delivered shall be subject to changes in structure or shape that are attributable to improvements in technology or legislative requirements during the delivery period, providing the object supplied is not significantly modified thereby and providing the changes are reasonable for the purchaser.
4. Should we subsequently receive indications of irregular payment by the purchaser, of the application for or initiation of a moratorium or insolvency proceedings or of any other deterioration in its financial circumstances, we shall be entitled to make delivery dependent on payment of the purchase price in advance or deliver by cash on delivery.
5. In the event of non-acceptance of the delivery (even cash on delivery consignments), the purchaser shall bear all transportation and postage costs as well as any additional expenses incurred. In the case of a delay in acceptance by the purchaser, the costs for storing orders ready for dispatch shall be calculated at a minimum of 0.5% of the order value for each part month. The purchaser shall be provided with proof that damage has not occurred or is equivalent to less than the amount of the above mentioned fixed sum. We shall be entitled to prove that the damage is greater than the above mentioned fixed sums.
6. In addition to Clause 1, the scope of supply and the object supplied shall, where applicable, result from additional performance specifications where these have become an object of the contractual agreement.
7. We hereby reserve the right to provide equivalent performance in terms of quality and price. In the event of non-availability, we also hereby reserve the right not to provide the service as promised.

## § 3 Delivery Deadline and Acceptance

1. Subject to timely and proper delivery from our own suppliers, we will make every effort to comply with delivery deadlines as far as possible. All delivery deadlines shall be non-binding however. In the event of difficulties with supply from our own suppliers as regards availability of the goods or the timeliness of this availability, then we hereby undertake to provide immediate notice hereof.

Where delays of more than six weeks are concerned, in such cases, both contracting partners shall be entitled to withdraw from the agreement by sending a written declaration to the respective other party. In this scenario, any benefits already received must be returned. There shall be no other claims, in particular, claims for damages. Where a fixed date for delivery is included in the purchaser's order and where we only specify an approximate date or a date specified in calendar weeks in the order confirmation, this period shall be agreed upon as the delivery deadline if the purchaser fails to contradict it within one week following receipt of our order confirmation.

2. The delivery period shall commence upon sending of the order confirmation but not before the provision of any documents, approvals or releases to be obtained from the purchaser or before receipt of any advance payment agreed upon.
3. The delivery deadline shall be deemed to have been complied with when notice is given that the goods are ready for dispatch or that the delivery items have left the factory, before its expiry.
4. In the event of measures associated with industrial action, in particular strikes and lockouts, and in the event of unforeseen hindrances beyond our control, e.g. operational disturbances, delays in the supply of essential materials, the delivery deadline shall be extended where such hindrances can be proven to have had a significant impact on delivery of the items to be supplied. This shall also be the case when circumstances arise with sub-suppliers. The delivery deadline shall be extended in line with the duration of such measures and obstacles. The aforementioned circumstances shall also not be attributable to us should they arise as a result of an existing delay. In important cases, we shall inform purchasers of the start and end of such hindrances as soon as possible.
5. Compliance with the delivery deadline shall also be dependent on fulfilment by the purchaser of contractual obligations under other transactions with us.

## § 4 Packaging and Dispatch

1. Goods shall be dispatched (including any returns) at the expense and risk of the purchaser unless otherwise agreed. This shall also be the case where we deliver the goods using our own vehicles. In all cases, we shall be entitled to charge delivery costs up to the amount that would have been incurred had a different method of dispatch been chosen.
2. We shall have discretion to select the method of dispatch. We shall not accept any liability for the cheapest dispatch.
3. We hereby reserve the right to dispatch the goods not from the place of fulfilment as defined by §12, clause 1, but from another venue of our choosing.
4. In the case of a delivery from the standard range in accordance with § 5, no. 2, we shall provide basic packaging (without special packaging and without pallets) free of charge. Otherwise, packaging shall be charged for separately.

## § 5 Quotations and Prices

1. Prices shall be from the manufacturing plant plus any applicable statutory value added tax. A discount scheme shall apply to § 7, no. 2.
2. The standard range shall be those items featured and described in our catalogue. Unless expressly quoted as net prices or otherwise agreed, the gross prices applicable at the time of delivery shall apply to these items ex works, including basic packaging.
3. The minimum order value is €50 net product value. For orders below the minimum order value, we charge a low-quantity surcharge of €5. We cannot accept any orders under €100 net product value.
4. For orders of €50 net product value or more, we provide free delivery within Germany. For orders below this value, we charge a flat shipping rate of €40.
5. Items made to order shall be items manufactured in accordance with the purchaser's drawings, prototypes or other specifications. Unless expressly agreed to the contrary, prices shall be quoted as at net prices ex works and excluding packaging.
6. List and catalogue prices shall not be binding. We shall always charge the prices applicable on the date of delivery. In particular, we shall be entitled to adjust prices if the price of raw materials required by us and any additional expenses associated therewith, e.g. import duties etc., increase. In the event of the price increase in this respect amounting to more than 10% of the previous applicable price, then the purchaser shall be entitled to withdraw from the agreement.
7. In the event of billing for certain tools being referred to in our prices and invoices as a price component, payment of this item shall in no way confer any rights over the tool on the part of the purchaser. Such tools shall merely refer to tools provided in order to supply the purchaser and the corresponding price elements shall represent purchaser and product-specific overheads which the purchaser is allotted and billed for. Insofar as the tools bear the name of the purchaser, this serves purely to allocate production resources to production for the relevant purchaser and shall in no way give rise to any rights on the part of the purchaser over the tool, in particular, not to ownership thereof. Nor would constructive possession shall arise as a result hereof.

## § 6 Retention of Title

1. We hereby reserve ownership of the goods supplied for all receivables under the present and future business relationship with the purchaser (current account retention). The addition of individual items to an open account or balancing of the account and acceptance of the same shall not lift the retention of title.
2. We shall be entitled to take back our retained goods during the purchaser's normal hours of business should the latter fail to fulfil its obligations to us, in particular in the case of payment arrears, and enter all storage and business premises of the purchaser for this purpose. Such removal shall not constitute unlawful interference.
3. In the event of processing of our goods or combining thereof with other products, we shall acquire joint ownership over the objects resulting from the processing or combining, which the purchaser shall store on our behalf free of charge with the due diligence of a prudent businessperson. Our joint ownership share shall be determined based on the portion corresponding to the value of our goods in relation to the value of the resulting object. Should the purchaser acquire sole ownership as a result of the combining, it shall hereby assign joint ownership thereof to us based on the ratio of the value of the retained goods to the value of the resulting object. Clause 4 below shall apply to resale. Any receivables arising from the resale or on some other legal basis, are hereby assigned to us to the value of the aforementioned portion.
4. In the event of the retained goods being sold by the purchaser alone or together with goods not belonging to us, the purchaser hereby assigns any receivables arising from the resale to us, in the amount of the value of the retained goods with all additional rights and priority above the remainder. We hereby accept the assignment. The value of the retained goods shall be our invoice amount.
5. The purchaser shall only be entitled to resell, exploit or incorporate the retained goods in the normal course of business. The purchaser shall not be entitled to any other disposal of the retained goods and in particular to attachment or assignment as security thereof. In the case of payment by cheque/bill of exchange procedure, the right of retention shall only lapse once the bill of exchange/cheque clears and the invoice amount is credited.
6. The authorisation to resell, exploit or incorporate the retained goods shall not apply if the purchaser concludes terms and conditions with a third party under which it is not permitted to assign third party claims to us.
7. The purchaser hereby authorises us to collect the receivables assigned to us until further notice. We shall refrain from exercising our authority to collect providing the purchaser fulfils its payment obligations. At our request, the purchaser shall be required to provide information regarding the status of any goods over which we have retained title and of any receivables and rights assigned to us, and shall inform its customer of the assignment. We shall be entitled, but not obliged, to notify the purchaser's customers of the assignment and to independently assert any claims assigned to us, at any time. Assertion of the rights assigned shall be at the cost and risk of the purchaser without giving rise to any obligation on our part in this respect or to the possibility of us being held liable by the purchaser as a result hereof.
8. The purchaser must inform us immediately in the event of our retained goods or claims assigned to us becoming involved in third party enforcement measures and must supply us with any documentation required to contradict the measures.
9. We hereby undertake to release securities to which we are entitled, at the purchaser's request, to the extent that the value of such securities exceeds the value of the debts to be secured by more than 20%, and insofar as these remain outstanding.
10. Attachments on or assignment of the retained goods or rights to which we are entitled, as collateral or security and other methods of disposal by the purchaser impacting upon our rights shall not be permitted.

11. If third parties attempt to secure the retained goods, the claims thereto assigned to us or any rights established under the foregoing paragraphs, the purchaser shall inform such parties of our ownership and shall inform us immediately, sending all documentation required to intervene.

12. Recovery of the retained goods or attachment thereof by us shall not constitute withdrawal from the agreement, such measures serve purely to secure our claims.

13. In the event of a resale of the retained goods, we do not consent to the initiation of court settlement or insolvency proceedings.

## § 7 Payments

1. Unless otherwise agreed, invoices shall be payable to us 30 days following the invoice date at the latest and in the currency of the Federal Republic of Germany. Our representatives shall not be authorised to accept payments.

2. A 2% early-payment discount shall be granted for advance payment, cash on delivery, direct debit or payment within 10 days after the date of invoice. Early payment discounts shall not be granted if the purchaser is in arrears with payment for earlier deliveries. Otherwise, no early payment discount or other allowances shall be granted unless there is a written agreement to that effect.

3. All payments must be made free of any charges to our registered office. Should we face additional charges from banks or other institutions for the purchaser's payment, then these shall be borne by the latter and the latter shall be billed for these by us.

4. Payments by bill of exchange shall be prohibited unless otherwise expressly agreed upon in writing. An exceptional assumption of acceptance shall only be deemed deferral of the purchase price providing no adverse changes have occurred or are known in the purchaser's financial circumstances. Payments by bills of exchange shall not be deemed cash payments. Discount charges and other fees for bills of exchange must always be paid by the purchaser immediately upon presentation of the bill of exchange. We shall not accept any liability for the prompt presentation, protest and/or return of bills of exchange. Cheques shall only be accepted on account of payment and not in lieu of performance.

5. We shall calculate interest on arrears at 8% p.a. above the relevant Deutsche Bundesbank bank interest rate. They shall be increased or decreased if we are able to prove that we have been charged a higher rate of interest or where the purchaser is able to prove lower charges.

6. The withholding of payments on the grounds of any counter-claims of the purchaser not legally established or acknowledged by us shall not be permitted, nor shall the offsetting of such counter-claims.

7. In the event of failure to comply with the payment terms or conditions or should facts come to light suggesting that claims to the purchase price may be endangered as a result of liquidity problems on the part of the purchaser, we shall be entitled to make subsequent deliveries conditional upon advance payment or the provision of security.

## § 8 Transfer of Risk

All risks shall pass to the purchaser once the consignment leaves our registered office or when dispatch is deferred at the request of the purchaser following notice of readiness of the goods for dispatch. Transportation damage or loss of the goods shall not be covered by us. Insofar as claims may be asserted against liable third parties and/or insurers (insurance at the request and expense of the purchaser only), any claim by the purchaser against us shall lapse upon assignment of the claim to the purchaser.

## § 9 Warranty

1. Where the goods supplied to the purchaser have not been manufactured by us but purchased from upstream suppliers, we shall fulfil our warranty obligations by hereby transferring all of our own warranty claims against our upstream suppliers to the purchaser. The purchaser hereby accepts this transfer by way of provisional performance. In the case of unenforceability or failure, the subsidiary warranty claims against us shall be based on the terms and conditions set out in Clause 2 below.

2. The goods supplied shall demonstrate the quality set out in the product description or shall be of merchantable quality. Declarations regarding quality shall not represent any warranty if not expressly referred to as such. In general, no guarantee shall be offered regarding the warranty pursuant to these terms and conditions or the statutory warranty. The purchaser shall be required to examine the received goods for defects and quality immediately. We are to be notified in writing of any defects within one week following delivery.

Regardless hereof, the purchaser's right to complain shall lapse if it has already modified, processed or combined the goods purchased from us prior to expiry of the aforementioned period. Other statutory provisions shall remain unaffected. We must be notified in writing of any concealed defects within one week of their discovery.

In the event of identifying a defect, the purchaser shall be obliged to submit the goods in question to us for inspection no later than one week following the dispatch date of the written notice of defects. All claims shall lapse in the event of deliberate refusal. The aforementioned reporting obligation shall also apply where the purchaser is informed of defects in the goods supplied by us or components thereof by its own customers. In the event of the purchaser's complaint being justified, it shall be entitled to request supplementary performance in the form of a repair or a replacement. We shall be entitled to refuse the chosen supplementary performance type where such would only be possible at disproportionate expense or where the selected supplementary performance type is more costly than the other and where the latter does not involve any significant detriment for the purchaser in relation to the other supplementary performance option. In the case of supplementary performance by way of a repair, our right to remedy the defects shall be limited to three attempts for a single defect and to a total of six attempts for all defects. If the purchased goods are to be taken to a location other than the original delivery destination following supplementary performance, any additional costs incurred in this respect shall be borne by the purchaser. The same shall apply in the event of the purchaser returning the defective items to us from a location other than its registered office or the delivery destination for the supplementary performance. The purchaser shall only be entitled to assert further warranty claims once it has granted us a reasonable period to undertake the repair or replacement and this has expired without success. In the event of a minor defect only, the purchaser shall not be entitled to withdraw from the agreement. The entitlement to a reduction in the purchase price shall remain unaffected hereby.

3. There shall be no warranty obligations where

a) the defect is attributable to improper use, operation or maintenance or to poor maintenance, incorrect assembly and commissioning or to a violent impact or other external influences or as a result of storage or transport-related circumstances providing such are not attributable to us.

b) the defect concerns an unauthorised modification to the object supplied, in particular the use of unsuitable, especially third party, replacement parts and where the damage is a direct result of the modification or improper use.

c) the defect relates to quality or defects in product components or elements of our products (e.g.: films) that the purchaser gave us specifications for and stipulated that we must use. Normal wear and tear or damage due to negligence or incorrect operation or handling shall be excluded from the warranty.

4. The disputed goods must be returned to us together with the original delivery note or a photocopy thereof. Negotiations regarding complaints shall not constitute a waiver on our part to an objection that the defect was not reported correctly or promptly.

5. The purchaser shall only be entitled to withhold payments and assert claims for defects to the extent, proportionate, in good faith, to the defect reported, in other words, only up to a maximum of the portion of the purchase price for the item specifically reported as defective.

6. In the event of the purchaser or a third party performing unauthorised repairs, we hereby accept no liability for the duration of any consequences thereof. The same shall apply to any modifications made to the item supplied without our prior written consent.

7. Paragraph 10 shall also apply in the case of claims for damages.

8. The warranty obligation for material defects shall be one year following delivery of the goods. This shall not apply where we are liable for a defect of which we are aware due to intent or malicious non-disclosure; in such cases, we shall be liable in accordance with the legal stipulations. A shorter period shall apply where the defect relates to a product for which the normal wear and tear period is usually and typically less than one year. In such cases, the warranty shall be limited to the usual wear and tear period.

9. The purchaser shall not be entitled to employ any advertising not approved by us as part of the sale of goods manufactured by us. In the event of customers of the purchaser asserting claims for defects based on deviations of the goods purchased from advertising statements by sales partners, the latter shall not be entitled to derive claims against us as a result of such circumstances.

## § 10 Liability

1. With regard to damages for the purchaser, regardless of the legal basis thereof, in particular due to the breach of obligations under the agreement or tortious acts, we shall only be liable in the case of intent or gross negligence, providing

a) there is no liability on the grounds of loss of life, physical injury or impairment of health

b) there is no liability for the breach of fundamental contractual obligations.

2. The claim for damages on the grounds of a breach of fundamental contractual obligations shall be limited to the foreseeable damage typical for the contract.

3. This shall also apply in cases of liability for defects.

4. The liability limitations in articles 9 and 10 shall also apply in respect of any liability on the grounds of incorrect advice, incorrect assembly instructions and other breaches of secondary obligations.

5. Any other claims for damages are hereby excluded.

6. Article 9, Clause 8 shall apply to the limitation period for the aforementioned claims accordingly.

## § 11 Offsetting / Right of Retention

1. The purchaser may only offset counter-claims against our claims where the counter-claims have been legally established in a court of law or are undisputed.

2. Unless otherwise stipulated to the contrary in these terms and conditions of business, this shall also apply to the assertion of rights of retention.

## § 12 Place of Fulfilment and Court of Jurisdiction

1. The place of fulfilment shall be Ludwigsburg. Nevertheless, in individual cases, we shall be entitled to specify the location of any other supplying factory as the place of fulfilment.

2. If the purchaser is a registered trader, a legal entity under public law or a public law special fund, legal proceedings for any disputes arising under the contractual relationship must be filed with the court with jurisdiction over our registered office. We shall also be entitled to file legal proceedings at the purchaser's main location.

## § 13 Applicable Law

German law alone shall apply to the exclusion of the laws on the international purchase of movable property, even if the purchaser is headquartered abroad.

## § 14 Formality Agreements

1. Any amendments, additions and supplementary agreements to these general terms and conditions and to individual agreements must be made in writing in order to be valid. This shall also apply to elimination of the written form requirement for amendments.

2. No verbal subsidiary agreements have been entered into.

## § 15 Other

1. Any transfer of rights and obligations incumbent upon the purchaser under the agreement concluded with us shall require our written consent in order to be valid.

2. In the event of individual provisions of the foregoing general terms and conditions being or becoming voidable or invalid, in full or in part, the validity of the remaining provisions and the contract as a whole shall not be affected thereby. The contract parties shall then implement the agreement using a valid replacement clause which most closely reflects the economic purpose of the nullified clause.



## Your Notes

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hünersdorff GmbH  
Plastic processing  
Eisenbahnstraße 6  
D-71636 Ludwigsburg (Germany)

Tel. +49 7141 147-0  
Fax +49 7141 147-290  
E-Mail [info@huenersdorff.de](mailto:info@huenersdorff.de)  
[www.huenersdorff.de](http://www.huenersdorff.de)