



Pump Sumps



+ Concrete

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+ Plastic

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KRASO® Pump Sump - concrete -
Check the installation video
(Just scan the QR code!)

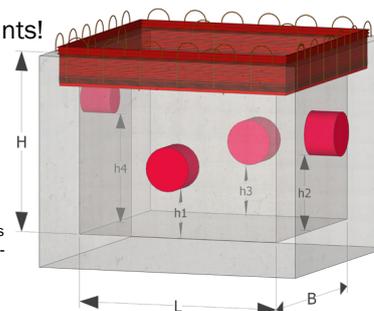


NEW BUILDING
3 bar
ABP
WU 1+2

KRASO® Pump Sump - concrete - Saves time and money in one piece cast

- + Avoid formworks on-site - and save time and money with the **KRASO® Pump Sump** as ready-made concrete element!
- + Made of waterproof concrete (C35/45) in one piece cast - without additional joints!
- + 12 cm thick, reinforced walls as well as the surrounding water pressure tight, MPA-tested construction joint tape **KRASOflex® Duo-Fix 150 "plus"** grant a water pressure tight passage to the base plate.
- + Simple and fast placement on-site thanks to crane lifting lugs!
- + DafStB waterproof concrete guideline: stress class 1 + 2

arrangement of connections ref. standard sizes
KRASO® Pump Sump - concrete -



KRASO® Pump Sump - concrete - **LG 3**

for collecting waste water | DafStB waterproof concrete guideline: stress class 1 + 2

KRASO® Pump Sump - concrete -							
Internal dimensions (L x B x H, in cm)	Weight approx. in kg	Design	Position and diameter of the connection				KRASO® Pump Sump - concrete -
			h1 (in cm)	h2 (in cm)	h3 (in cm)	h4 (in cm)	
60 x 60 x 40	600	standard	15 - DN 110				596 €
		closed					
60 x 60 x 60	700	standard	40 - DN 110	20 - DN 110			656 €
		with one connection	40 - DN 110				
		closed					
80 x 80 x 70	1,100	standard	20 - DN 160	30 - DN 160	20 - DN 160	40 - DN 110	896 €
		with one connection				40 - DN 110	
		closed					
100 x 100 x 80	1,500	standard	50 - DN 160	40 - DN 160	20 - DN 160	40 - DN 110	994 €
		with one connection				40 - DN 110	
		closed					
100 x 100 x 100	1,750	standard				40 - DN 110	1,355 €
		closed					
120 x 120 x 80	1,800	standard	50 - DN 160	20 - DN 160	40 - DN 160	40 - DN 110	1,505 €
		with one connection				40 - DN 110	
		closed					
			Surcharge special design with standard internal dimensions*				
Connection DN 110			71 €				
Connection DN 125			80 €				
Connection DN 160			88 €				

* Calculation basis = closed pump sump

Further sizes and connections available as special design on request!



KRASO® Pump Sump Type Q - square -
Check the installation video
(Just scan the QR code!)



KRASO®

Pump Sump Type Q - square -

Low weight - quick delivery:
the simple and tight plastic solution

- + Low weight = low transport costs and easy handling without crane on-site
- + Saves time, labour, money and additional drainage: no cost-intensive works, no concreting sections for several days and no shuttering!
- + No risk occurring due to leaking concrete joints and/or pipe connections!
- + Resistant against many acids and lyes!
- + Made of high-quality, impact resistant, almost indestructible plastic. Special dimensions are available within a few days!
- + DafStB waterproof concrete guideline: stress class 1 + 2

KRASO® Pump Sump Type Q - square - **LG 2**

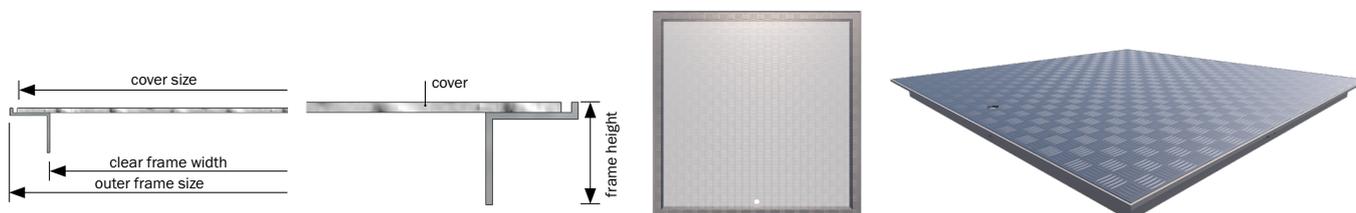
for collecting waste water, suitable for KG, HT and KG 2000 pipes | DafStB waterproof concrete guideline: stress class 1 + 2

Item	600/60	600/80	800/100	1000/100
Internal dimensions in cm	60 x 60	60 x 60	80 x 80	100 x 100
Internal height in cm	60	80	100	100
1 x connection DN 110 (height bottom edge in cm)	20	20	30	30
Weight approx. in kg	25	28	53	66
KRASO® Pump Sump Type Q - square -	761 €	893 €	1,284 €	1,548 €
Surcharge: additional connection DN 110			56 €	
Surcharge: additional connection DN 160			85 €	

Further sizes and designs available on request! Modification of the pipe connection height possible!

KRASO® Pump Sump Covers

For KRASO® Pump Sump - concrete - and Type Q - square -

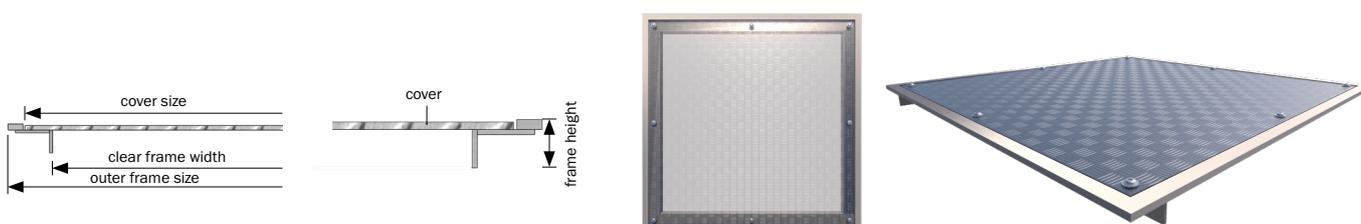


KRASO® Pump Sump Cover - walkable **LG 6**

for KRASO® Pump Sump - concrete - and KRASO® Pump Sump Type Q - square -, bulb plate galvanised, walkable

Item	KRASO® Pump Sump Cover - walkable			
Pump sump dimension in cm	60 x 60	80 x 80	100 x 100	120 x 120
Cover size in mm	700 x 700	900 x 900	1100 x 1100	1275 x 1275
Cover in mm	3/5			
Frame height in mm	32	32	32	36
Outer frame size in mm	708 x 708	908 x 908	1108 x 1108	1320 x 1320
Clear frame width in mm	654 x 654	854 x 854	1054 x 1054	1210 x 1210
Concrete anchors / pcs.	4	4	8	8
KRASO® Pump Sump Cover - walkable	167 €	293 €	505 €	905 €

Special designs available on request!

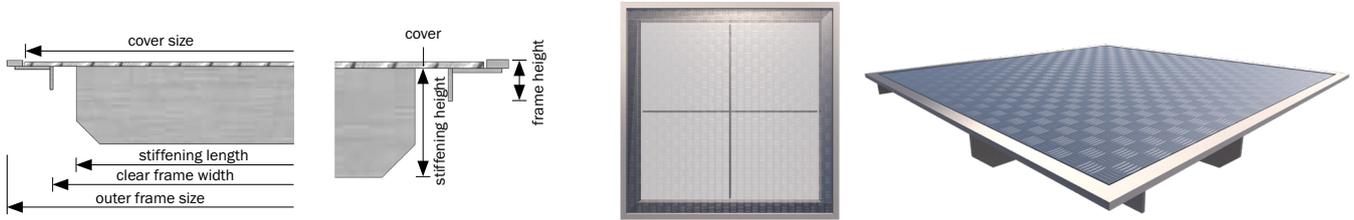


KRASO® Pump Sump Cover - walkable -, water and odour tight screwable **LG 6**

for KRASO® Pump Sump - concrete - and KRASO® Pump Sump Type Q - square -, bulb plate galvanised, walkable, water and odour tight screwable

Item	KRASO® Pump Sump Cover - walkable -, water and odour-tight			
Pump sump dimension in cm	60 x 60	80 x 80	100 x 100	120 x 120
Cover size in mm	700 x 700	900 x 900	1100 x 1100	1275 x 1275
Cover in mm	3/5			
Frame height in mm	36			
Outer frame size in mm	745 x 745	945 x 945	1145 x 1145	1320 x 1320
Clear frame width in mm	635 x 635	835 x 835	1035 x 1035	1210 x 1210
Concrete anchors / pcs.	4	4	8	8
KRASO® Pump Sump Cover - walkable -, water and odour-tight	457 €	576 €	905 €	1,497 €

Special designs available on request!

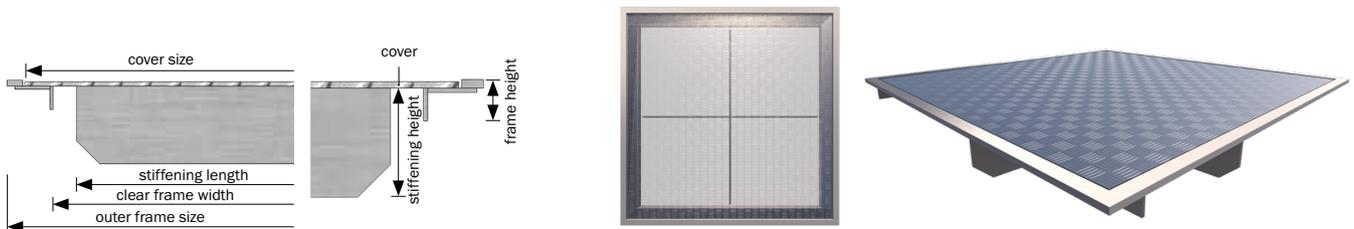


KRASO® Pump Sump Cover - fit for traffic up to 5 t, wheel pressure up to 1.25 t **LG 6**

for KRASO® Pump Sump - concrete - and KRASO® Pump Sump Type Q - square -, bulb plate galvanised, fit for traffic up to 5 t, wheel pressure up to 1.25 t

Item	KRASO® Pump Sump Cover - fit for traffic up to 5 t, wheel pressure up to 1.25 t			
Pump sump dimension in cm	60 x 60	80 x 80	100 x 100	120 x 120
Cover size in mm	700 x 700	900 x 900	1100 x 1100	1275 x 1275
Cover in mm	5/7			
Frame height in mm	38			
Outer frame size in mm	745 x 745	945 x 945	1145 x 1145	1320 x 1320
Clear frame width in mm	635 x 635	835 x 835	1035 x 1035	1210 x 1210
Stiffening in mm	7			
Stiffening height in mm	80			
Stiffening quantity	1	2	2	3
Concrete anchors / pcs.	4	4	8	8
KRASO® Pump Sump Cover - fit for traffic up to 5 t, wheel pressure up to 1.25 t	414 €	684 €	1,191 €	1,758 €

Special designs available on request!



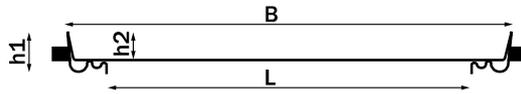
KRASO® Pump Sump Cover - fit for traffic up to 15 t, wheel pressure up to 3.75 t **LG 6**

for KRASO® Pump Sump - concrete - and KRASO® Pump Sump Type Q - square -, bulb plate galvanised, fit for traffic up to 15 t, wheel pressure up to 3.75 t

Item	KRASO® Pump Sump Cover - fit for traffic up to 15 t, wheel pressure up to 3.75 t			
Pump sump dimension in cm	60 x 60	80 x 80	100 x 100	120 x 120
Cover size in mm	700 x 700	900 x 900	1100 x 1100	1275 x 1275
Cover in mm	6/8			
Frame height in mm	38			
Outer frame size in mm	745 x 745	945 x 945	1145 x 1145	1320 x 1320
Clear frame width in mm	635 x 635	835 x 835	1035 x 1035	1210 x 1210
Stiffening in mm	8			
Stiffening height in mm	100			
Stiffening quantity	1	2	2	3
Concrete anchors / pcs.	4	8	8	8
KRASO® Pump Sump Cover - fit for traffic up to 15 t, wheel pressure up to 3.75 t	735 €	1,047 €	1,919 €	2,597 €

Special designs available on request!

frame profile
 h1 = installation height approx. 7.5 cm
 h2 = tub depth approx. 5 cm



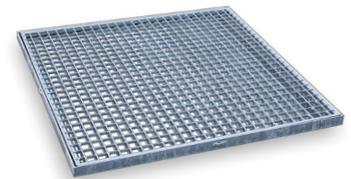
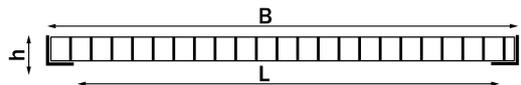
KRASO® Pump Sump Cover - fillable - **LG 6**

fillable galvanised tub, water and odour-tight, loading after filling with concrete C35/45: approx. 125 kN

Item	KRASO® Pump Sump Cover - fillable -			
Pump sump dimension in cm	60 x 60	80 x 80	100 x 100	120 x 120
Outer frame size in mm	B 735 x 735	935 x 935	1135 x 1135	1335 x 1335
Clear frame width in mm	L 600 x 600	800 x 800	1000 x 1000	1200 x 1200
KRASO® Pump Sump Cover - fillable -	667 €	952 €	1,212 €	on request

Special designs available on request!

frame profile
 h = frame height from 25 to 40 mm



KRASO® Grating Cover - walkable - **LG 6**

galvanised

Item	KRASO® Grating Cover - walkable -			
Pump sump dimension in cm	60 x 60	80 x 80	100 x 100	120 x 120
Outer frame size in mm	B 685 x 685	885 x 885	1095 x 1095	1315 x 1315
Clear frame width in mm	L 600 x 600	800 x 800	1000 x 1000	1200 x 1200
Bearing bar in mm	25/1.7	25/2	30/2	40/1.7
Mesh size in mm	30/30	30/30	30/30	30/30
Concentrated load approx. in kg	150	150	150	150
KRASO® Grating Cover - walkable -	251 €	441 €	633 €	1,041 €

Special designs available on request!

KRASO® Pump Sumps delivery to the construction site!

+ KRASO® Pump Sumps – whether made of concrete or plastic – save time and money!

+ Precise planning of your construction process is possible with a delivery directly to your construction site.

Thanks to pre-installed crane lifting lugs, KRASO® Pump Sumps made of concrete can be unloaded and installed easily on the construction site!





KRASO® Inspection Shaft - concrete - **LG 3**

as maintenance opening, made of waterproof concrete (C35/45) with 12 cm strong, reinforced walls in one piece cast, with surrounding water pressure tight, MPA-tested construction joint tape **KRASOflex® Duo-Fix 150 "plus"**, rebar connection 8/15, and crane lifting lugs for easy placement on-site, incl. 2 opposite **KRASO® Pipe Connections DN 160** bottom edge approx. 20 cm, suitable for KG, HT and KG 2000 pipes
| DafStB waterproof concrete guideline: stress class 1 + 2

Item	80 x 80 x 70	80 x 80 x 70	80 x 80 x 70	80 x 80 x 70
Internal dimensions in cm	80 x 80	80 x 80	80 x 80	80 x 80
Internal height in cm	70	70	70	70
	without cleaning opening	with cleaning opening, fully assembled DN 160, for sewage free of faeces	with cleaning opening, fully assembled DN 160 incl. simple backwater stopper without emergency valve, for sewage free of faeces, according to DIN EN 13564 Type 0	with cleaning opening, fully assembled DN 160 incl. backwater double stopper with emergency valve, for sewage free of faeces, according to DIN 13564 Type 2
Weight approx. in t	1.1	1.1	1.1	1.1
KRASO® Inspection Shaft - concrete -	896 €	1,125 €	1,348 €	1,492 €



KRASO® Backwater Shaft Type Q - sewage - **LG 2**

for backwater protection according to DIN EN 13564 Type F3, made of plastic, with water pressure tight surrounding, thermally welded **KRASO® 4 Seal**, concrete anchors, reinforcing ribs and 2 water pressure tight pipe connections, suitable for KG, HT and KG 2000 pipes, 1 electric pressure flap (with emergency power function), 1 manual return valve, for sewage containing faeces
| DafStB waterproof concrete guideline: stress class 1 + 2

Item	600/60	800/100
Internal dimensions in cm	60 x 60	80 x 80
Internal height in cm	60	100
Pipe connection height in cm h1/h2	6/5	7/6
Backwater diameter	DN 110	DN 160
Weight approx. in kg	28	56
KRASO® Backwater Shaft Type Q - sewage -	3,762 €	4,387 €

Special sizes and designs available on request!



KRASO® Pump Sump Type Q - thermally insulated - **LG 2**

for collecting waste water, with water pressure tight surrounding, thermally welded **KRASO® 4 Seal**, concrete anchors, reinforcing ribs, 1 water pressure tight KG pipe connection DN 110, surrounding approx. 10 cm thick thermal insulation
| DafStB waterproof concrete guideline: stress class 1 + 2

Item	600/60	600/80	800/100	1000/100
Internal dimensions in cm	60 x 60	60 x 60	80 x 80	100 x 100
Internal height in cm	60	80	100	100
DN 110	20	20	30	30
Weight approx. in kg	49	60	113	143
KRASO® Pump Sump Type Q - thermally insulated -	Prices on request!			

Special sizes and designs available on request! Modification of pipe connection height possible!



KRASO® Pump Sump - concrete - special
 internal dimensions approx.: 310 x 75 x 235 cm,
 made of waterproof concrete,
 with 20 cm thick, reinforced wall and base plates
 (20 kg per cbm). Rebar connection approx. 8/15
 double-row, water pressure tight surrounding,
 MPA-tested construction joint tape
KRASOflex® Duo-Fix 150 "plus",
 total weight: approx. 11.7 t



Example 100 x 100 x 80 cm
 total weight: approx. 1.5 t



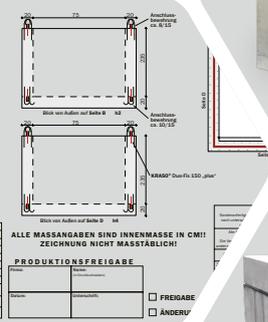
Example 60 x 60 x 33 cm
 total weight: approx. 0.5 t



Example 200 x 200 x 170 cm
 total weight: approx. 18.2 t



Example 140 x 70 x 65 cm
 total weight: approx. 4.5 t



NEW BUILDING

KRASO®

Special designs made of concrete

Pumps sumps, cable ducts, lift pits

- + Made of waterproof concrete, produced exactly according to your specifications!
 All dimensions (width, length, height, wall thickness) are variable
- + Installation parts such as pipe penetrations, casings or anchor rails (for lift pits) are installed accurately.
- + Weather-independent production of concrete shafts up to a total weight of 20 tons!
- + Saves time, working hours, money and additional drainage! We are happy to advise you individually!





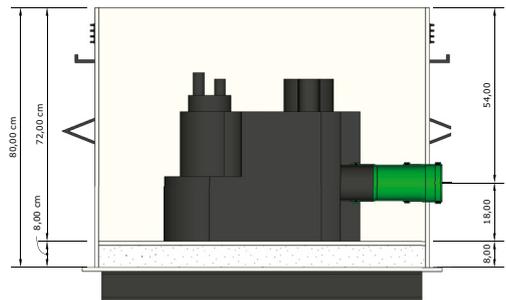
wedge gate valve for
KRASO® Pump Sump
Type Q - sewage -



KRASO® Pump Sump Type Q - sewage - Low weight, high performance

- + The high-performance solution for sewage containing faeces: the combination of **KRASO® Pump Sump Type Q** and closed pumping system according to DIN 12050-1
- + Suitable for single-family homes, basement flats, sanitation in private basements!
- + Pumping medium: clear water/wastewater containing solids and fibres/sewage
- + Low weight = low transport costs and easy handling without crane on-site!
- + Saves time, working hours, money and additional drainage: no cost-intensive works, no concreting sections for several days and no shuttering!
- + No higher risks occurring by leaking concrete joints and/or pipe connections
- + Made of high-quality, impact resistant, almost indestructible plastic. Special dimensions are available within a few days!
- + Double floor: fixation of the pumping system only necessary in the upper base plate
- + Installation and connection of the pumping system must be done by a plumbing or heating contractor
- + Optionally available:
 - Wedge gate valve (on the water pressure side requested according to DIN)
 - **KRASO® Pump Sump Cover 100/100**
- + DafStB waterproof concrete guideline: stress class 1 + 2

schematic illustration



KRASO® Pump Sump Type Q - sewage - **LG 2**

for pumping out of sewage containing faeces, suitable for KG, HT and KG 2000 pipes, pumping system (excl. maintenance contract) | DafStB waterproof concrete guideline: stress class 1 + 2

Item	KRASO® Pump Sump Type Q - sewage -
Internal dimensions in cm	100 x 100
Internal height in cm	72
DN 110 h internal (axis)	18 (modification of pipe connection height possible)
Weight approx. in kg	105
KRASO® Pump Sump Type Q - sewage -	4,698 €
Optionally available: wedge gate valve	627 €

Scope of supply: KRASO® Pump Sump Type Q - sewage -, pumping system • Optionally available: wedge gate valve

Special sizes and designs available on request! Modification of pipe connection height possible!



KRASO® Pump Sump Poly 400 **LG 2**

for collecting waste water, with water pressure tight surrounding, thermally welded **KRASO® 4 Seal**, shear key and pipe connection DN 110, suitable for KG, HT and KG 2000 pipes
| DafStB waterproof concrete guideline: stress class 1 + 2



Item		KRASO® Pump Sump Poly 400 / 60	KRASO® Pump Sump Poly 400 / 80
Internal diameter in cm		38.2	38.2
Internal height in cm		60	80
DN 110	h1	20	20
DN 110	h2		41
Weight approx. in kg		17	21
KRASO® Pump Sump Poly 400		524 €	614 €
Surcharge: per each 10 cm additional height			47 €
Surcharge: for change of the height of the connection			23 €

Special sizes and designs available on request!



KRASO® Pump Sump Poly 400 - LR **LG 2**

for collecting waste water, with water pressure tight surrounding, thermally welded **KRASO® 4 Seal**, shear key and pipe connection DN 110 suitable for KG, HT and KG 2000 pipes, water pressure tight empty pipe system with protective cover, pump sump protective cover for the shell construction phase
| DafStB waterproof concrete guideline: stress class 1 + 2



Item		KRASO® Pump Sump Poly 400 / 80 - LR	KRASO® Pump Sump Poly 400 / 100 - LR
Internal diameter in cm		38.2	38.2
Internal height in cm		80	100
Intake DN 110	h1	30	30
Empty pipe DN 110	h2	34	54
Installation weight approx. in kg		15	17.5
KRASO® Pump Sump Poly 400 - LR		841 €	866 €

Scope of supply: KRASO® Pump Sump Poly 400 - LR with protective cover, pump sump protective cover for the shell construction phase

Special sizes and designs available on request!



KRASO® Pump Sump Poly 400 - NE - retrofit installation **LG 2**

for retrofit installation into existing base plate with **KRASO® Sealing Insert Type DD 500/400** (see page 19), made of high-quality, dimensionally and pressure stable solid wall material, with surrounding shear key and base for **KRASO® Sealing Insert** (not included in the scope of supply)



Item		KRASO® Pump Sump Poly 400/60 - NE	KRASO® Pump Sump Poly 400/80 - NE
Internal diameter in cm		38.2	38.2
Internal height in cm		60	80
Weight approx. in kg		17	21
KRASO® Poly 400/60 - NE (excl. accessories)		569 €	607 €
Surcharge: per each 10 cm additional height			47 €
KRASO® Sealing Insert Type DD 500/400			374 €

Special sizes and designs available on request!



KRASO® Poly - Inspection Shaft **LG 2**

for checking, maintaining and cleaning pipelines, with water pressure tight surrounding, thermally welded **KRASO® 4 Seal** and pre-installed shear key with cleaning opening, for sewage free of faeces, pipe connections DN 110/160 suitable for KG, and KG 2000 pipes | **DafStB waterproof concrete guideline: stress class 1 + 2**

Item	KRASO® Poly - Inspection Shaft 400/80	KRASO® Poly - Inspection Shaft 500/80
Internal diameter in cm	38.2	46.9
Internal height in cm	80	80
Intake in cm	h1	77
Drain in cm	h2	78
Cleaning access pipe	DN 110	DN 160
Weight approx. in kg	18	30
KRASO® Poly - Inspection Shaft	702 €	1,054 €

Special sizes and designs available on request! Modification of pipe connection height possible!



after the building period:
water pressure tight closure cover with **KRASO® Sealing Insert Type Poly 400 - Blind** with lifting lugs



KRASO® Pressure Shaft 400 **LG 2**

for water drainage during the building period, with water pressure tight surrounding, thermally welded **KRASO® 4 Seal**, surrounding shear key, surrounding perforated plate encasement and filter fleece, with base for **KRASO® Sealing Insert Type Poly 400 - Blind** (not included in the scope of supply), water entry in non-installed state: with fleece 60 l/s, without fleece 90 l/s | **DafStB waterproof concrete guideline: stress class 1 + 2**

Item	KRASO® Pressure Shaft 400/60 - KG 2000	KRASO® Pressure Shaft 400/80 - KG 2000
Internal diameter in cm	38.2	38.2
Internal height in cm	60	80
Perforated plate encasement in cm	20	20
Weight approx. in kg	15	17
KRASO® Pressure Shaft 400 (excl. accessories)	681 €	763 €
KRASO® Sealing Insert Type Poly 400 - Blind	568 €	

Special sizes and designs available on request!



KRASO® Water Shaft **LG 1**

simple and quick “dry out” of construction sites, with water pressure tight surrounding **KRASO® 4 Seal** and shear key | **DafStB waterproof concrete guideline: stress class 1 + 2**



Item	KRASO® Water Shaft 300/30
Internal diameter in cm	30
Internal height in cm	30
Weight approx. in kg	5
KRASO® Water Shaft	132 €

Special sizes and designs available on request!

KRASO® Pump Sump Poly 400 Covers



Poly 400 Cover plastic - walkable -

frame and cover made of plastic, insert frame height-adjustable and rotatable from 2 - 20 cm, edge length 46 cm

Poly 400 Cover plastic - water and odour-tight - walkable -

frame and cover made of plastic, screwable, insert frame height-adjustable and screwable from 2 - 20 cm, edge length 46 cm

Poly 400 Cover plastic - fit for traffic - A15

frame and cover made of plastic, insert frame height-adjustable and rotatable from 8 - 25 cm, edge length 45 cm

Poly 400 Cover plastic - water and odour-tight - fit for traffic - A15

frame and cover made of plastic, insert frame height-adjustable and rotatable from 8 - 25 cm, edge length 45 cm



Poly 400 Slot Grate Cover plastic - walkable -

frame and cover made of plastic, drainage capacity approx. 3.9 l/sec., insert frame height-adjustable and rotatable from 2 - 20 cm, edge length 46 cm

Poly 400 Slot Grate Cover plastic - fit for traffic - A15

frame and cover made of plastic, drainage capacity approx. 4.1 l/sec., insert frame height-adjustable and rotatable from 8 - 25 cm, edge length 45 cm

Poly 400 Cover - fillable - water and odour-tight - fit for traffic - approx. 125 kN

load 125 kN after filling with concrete C35/45, clear width 40 x 40 cm, edge length 53.5 x 53.5 cm, insert frame height-adjustable and rotatable from 4 - 20 cm

KRASO® Pump Sump Poly 400 - Covers **LG 4**

Item	
Poly 400 Cover plastic - walkable - frame and cover made of plastic, insert frame height-adjustable and rotatable from 2 - 20 cm, edge length 46 cm	195 €
Poly 400 Cover plastic - water and odour-tight - walkable - frame and cover made of plastic, screwable, insert frame height-adjustable and rotatable from 2 - 20 cm, edge length 46 cm	332 €
Poly 400 Cover plastic - fit for traffic - A15 frame and cover made of plastic, screwable, insert frame height-adjustable and rotatable from 8 - 25 cm, edge length 45 cm	340 €
Poly 400 Cover plastic - water and odour-tight - fit for traffic - A15 frame and cover made of plastic, screwable, insert frame height-adjustable and rotatable from 8 - 25 cm, edge length 45 cm	537 €
Poly 400 Slot Grate Cover plastic - walkable - frame and cover made of plastic, drainage capacity approx. 3.9 l/sec., insert frame height-adjustable and rotatable from 2 - 20 cm, edge length 46 cm	215 €
Poly 400 Slot Grate Cover plastic - fit for traffic - A15 frame and cover made of plastic, drainage capacity approx. 4.1 l/sec., insert frame height-adjustable and rotatable from 8 - 25 cm, edge length 45 cm	469 €
Poly 400 Cover - fillable - water and odour-tight - fit for traffic - approx. 125 kN edge length 53 cm, galvanised, loading after filling with concrete C35/45: approx. 125 kN, height-adjustable and rotatable from 4 - 20 cm	518 €