

Rittal – system partners

Perfect holistic solutions

Be it automation, communications or power supply technology, Rittal offers the right enclosures and cabinets to suit virtually all requirement profiles in modern industrial engineering. As you would expect, the range is also available in stainless steel with extremely high specifications on hygiene and corrosion resistance.

Ingeniously designed system platforms in conjunction with an extensive range of system accessories provide the basis for the exceptional solution diversity of the Rittal stainless steel range. Allow us to advise you.

We are happy to work to your requirements.



Global customer proximity

Regardless of where your products are developed, manufactured or used, we are at your service.



Demand-oriented production

Fresh milk, new car paint, important medication; however varied the demands placed on stainless steel enclosures may be, we have the right solutions to accommodate them. What is more, we are constantly extending our expertise, by building on development work in close dialogue with our customers.



Overview of diversity Quality for your success	4 – 5
Quality for your success	4-5
Integral systems Meeting demands & cutting costs	s 6 – 7
Production and service Meeting individual requirements	8 – 9
Product combinations Ideas for new solutions	10 – 11
Compact enclosures Accessories	12 – 23 24 – 27
Enclosures for the human/ machine interface Accessories	28 – 47 48 – 49
Large enclosures Accessories	50 – 61 62 – 69
System accessories in Rittal Catalogue 30	70 – 71
Enclosure climate control System benefits	72 – 73
Individual solutions to perfection	74 – 75
Search and find: Order numbers, index	76 – 77

Countless possibilities

The use of system accessories is the first step towards rational system integration.

The second step is afforded by a broad range of modules for climate control, electronics, IT networks and power distribution. The result? Holistic individual solutions, which are both perfect and cost-effective.











Overview of diversity

Quality for your success



You define your requirements

- Rittal has the solution!

The system diversity offered by us is exemplary. It is the

cumulation of expertise gleaned from countless discussions with customers.

The result? Fast, reliable solutions available off the shelf, immediately – and assembled ready for use upon request.

Quality is the key



... and at Rittal it is constantly being improved, thanks to on-going quality assurance in our accredited QA laboratory.

System integration included

The basic fittings of every enclosure lend themselves to a wide range of external and internal mounted parts.



Work more effectively, easily and reliably

Success is down to the individual. Rittal offers effective support through its products.



Enclosures for the human / machine interface

Premium Panel	Command Panel	Command Panel housing with door	Support arm system/stand system	AP one-piece consoles	AP universal consoles
Dimensions for installed equip- ment 482.6 mm (19")/7 U, 120 and 220 mm deep, optionally with keyboard housing for 482.6 mm (19")/4 U	2 sizes 320/240/160 mm and 400/320/160 mm	4 sizes 300/300/150 mm to 600/400/150 mm	Various support arm components for enclosures KL, AE and CP	4 sizes 600/960/400 mm to 1200/960/400 mm Single or double- door	Size 600/1300/500 mm With tall or short front door and clearance for desk section or drawer
Page 30/31	Page 32/33	Page 34/35	Page 36 – 41	Page 42/43	Page 44/45

Rittal Stainless steel brochure

Terminal boxes KL !



6 sizes 150/150/80 mm Cover, screw

300/300/120 mm fastened

Bus enclosures BG



5 sizes 200/300/80 mm 600/200/123 mm Hinged door with screw fastener

15 sizes 200/300/155 mm 1000/1200/300 mm

Compact enclosures AE

One-door or twodoor, lockable door with double-bit lock insert

Premium Line



4 sizes 150/150/80 mm 400/300/120 mm Cover, screw

fastened

Page 14/15

Page 16/17

Page 18/19

Page 22/23

PC enclosure systems



Size 600/1600/620 mm

With viewing window and drawer or desk section

Page 46/47

Large enclosures

TS 8 baying systems



8 sizes 800/1800/400 mm 1200/2000/600 mm Single or double-door

Free-standing enclosures ES



6 sizes 600/1600/400 mm 1200/2000/500 mm Single or doubledoor

Page 54/55

Page 58/59

Rittal Stainless steel brochure

Integral systems

Meeting demands and cutting costs



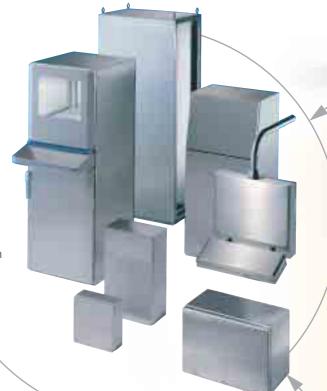
With over 8,000 precision products available worldwide, Rittal is a superior systems supplier. The spectrum ranges from standardised mass production to

customised individual solutions.

Our concept:

- Uniform system platforms
- Differentiated installation levels
- Cost-efficient versatility
- High standards of quality

All this from your one-stop suppliers. As competent system partners, we work with you to develop holistic solutions which are both perfect and cost-effective, tailored to your specific requirements.



IT solutions

- All components for data & communications networks.
- Also available for stainless steel cases and enclosures with 482.6 mm (19") and metric installation.

Power distribution

- From connection systems to isolators.
- Busbar systems in 40, 60, 100, 150 and 185 mm bar centre distance
- Systems up to 3200 amps.

Electronic systems

- MPS microcomputer packaging systems
- Subracks
- Cases for industrial PCs.







System climate control

- Integral cooling technology
 Roof- and wall-mounted cooling units
 Recooling systems
 Air/water heat exchangers
 Air/air heat exchangers
 Fan-and-filter units
 Rack-mounted climate control
 Heaters

- Heaters



System accessories



User-friendly

e.g. with system lights, socket strips, wiring plan lecterns etc.



Early warning . . .

Signal pillars – just one example of safety. We also offer a full range of lock and monitoring systems.

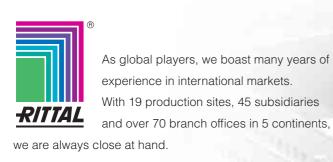


Modular solution diversity

Outstanding: All enclosures from the TS 8 system platform offer infinite possibilities for interior installation.

Production and service

Meeting individual requirements





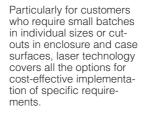
Customer proximity regionally and worldwide





At Rittal, quality is not defined by a one-off certificate, but is instead an ongoing process.
Every day, our products are put through their paces at our in-house laboratories. This includes EMC testing, climatic chambers, load tests, 3D measurement, dust testing and hosed water tests, as well as electrical safety testing.







Cost-effective products in an exemplary quality are the result of innovative mass production. For example, we have developed special techniques for shaping and welding. One outstanding example is the 16-fold profiled stainless steel section in the TS 8 Top enclosure system, with its infinite installation possibilities.

Product combinations

Ideas for new solutions



Leave the conventional path behind! Combine standard products in a new way to meet your requirements, and significantly broaden the range of options available.

Here are just a few suggestions.





Example 1 Console with rotating operating housing



- Consisting of:

 Command panel housing with door, see page 34/35
 Housing coupling, rotating, see page 37
 Support section

- Support section, see page 36
- Wall/base mounting,
- see page 38 Wall console, see page 40
- One-piece console, see page 42





Like the entire stainless steel range, our small and mediumsized models are ideal for all segments of industry with superior demands in terms of hygiene and corrosion protection.

They offer the correct volume to suit every requirement, together with practical fittings and accessory components for every application.

Rittal always has the solution you need. Every design innovation helps to save your valuable time, whilst every standard mounting part helps to cut costs.

Terminal boxes KL

- Screw-fastened cover
- Integral profile strip with mounting holes for top-hat rails or mounting plate
- Enclosure sealed all-round



Terminal boxes KL (Protection category IP 66)								
W mm	H mm	D mm	Model No. KL	Page				
150	150	80	1521.010					
300	150	80	1522.010					
200	200	80	1523.010	14/15				
300	200	80	1524.010	14/15				
400	200	120	1525.010					
300	300	120	1526.010					



Bus enclosure BG (Protection category IP 66)								
W mm	H mm	D mm	Model No. BG	Page				
200	300	80	1583.010					
300	300	80	1584.010					
400	300	80	1585.010	16/17				
400	200	123	1558.010					
600	200	123	1559.010					

Enclosure sealed all-round



- Door(s) with 3 mm double-bit lock insert
 Including mounting plate
 Enclosure sealed all-round

Premium Line KL

- Screw-fastened lid for stringent requirements in the food and hygiene sectors

 Threaded bolts for the instal-
- lation of support rails, mounting brackets and mounting plates

 • Enclosure sealed all-round



Premium	Premium Line KL (Protection category IP 69K)								
W mm	H mm	D mm	Model No. KL	Page					
150	150	80	1024.010						
150	150	120	1024.020	22/23					
300	200	120	1024.030	22/23					
400	300	120	1024.040						

Compac	t enclosu	res AE (P	rotection category IP 66)	
W mm	H mm	D mm	Model No. AE	Page
200	300	155	1002.600	
380	300	155	1004.600	
300	380	210	1005.600	
380	380	210	1006.600	
500	500	210	1007.600	
500	500	300	1013.600	
380	600	210	1008.600	
600	380	210	1009.600	10/10
600	600	210	1010.600	18/19
600	760	210	1012.600	
760	760	300	1014.600	
800	1000	300	1016.600	
800	1200	300	1017.600	
		(Protection	on category IP 55)	
1000	1000	300	1018.600	
1000	1200	300	1019.600	

The enclosure Model Numbers listed here apply to variants in 1.4301 (AISI 304). For the variant in 1.4404 (AISI 316L) the Model Number can be found on the respective product page.













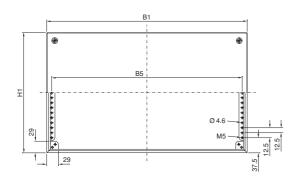


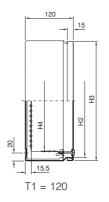


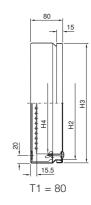


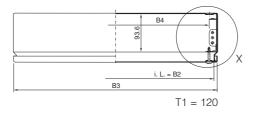
Approvals	Terminal boxes KL	Bus enclosures BG	Compact enclosures AE
UL	•	•	•
CSA	•	•	•
TÜV	•	•	•
Germanischer Lloyd	•	-	•
Norske Veritas	•	•	•
Russian Maritime Register of Shipping	•	•	•
Lloyds Register of Shipping	•	•	•
Bureau Veritas	•	•	•
VDE	•	•	•

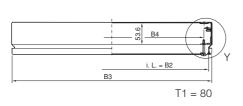
Rittal Stainless steel brochure 13

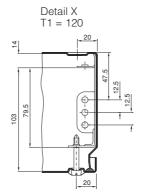


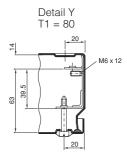












i.L. = Clearance width

Supply includes: Enclosure, cover with all-round foamed-in PU seal and cover screws, including plastic bushes.

	Packs of							Page
Width (B1) in mm		150	300	200	300	400	300	
Height (H1) in mm		150	150	200	200	200	300	
Depth (T1) in mm		80	80	80	80	120	120	
Model No. KL	1	1521.010	1522.010	1523.010	1524.010	1525.010	1526.010	
B2 = Clearance opening width		132	282	182	282	382	282	
B3 = Cover width		148	298	198	298	398	298	
B4 = Clearance width between profile strips		109	259	159	259	359	259	
B5 = Hole-centre distance of profile strips		125	275	175	275	375	275	
H2 = Clearance opening height		132	132	182	182	182	282	
H3 = Cover height		148	148	198	198	198	298	
H4 = Clearance height between profile strips		100	100	150	150	150	250	
Weight (kg)		1.3	1.8	1.8	2.4	3.6	3.9	
Cover screws		4	4	4	4	4	4	
Accessories			•		•			•
Mounting plate KL	1	1560.700	1561.700	1562.700	1563.700	1564.700	1567.700	27
Wall mounting bracket KL	4		•	1594	1.000			26
								1

Pole clamp SZ 2584.000 25 Cat. 30 983 2316.000 2315.000 2316.000 2317.000 Support rails TS 35/7.5 SZ 10 2314.000 2316.000

2583.000

Wall angle SZ

26



Punching for wall mounting bracket.



Enclosure with slotted profile strips, some tapped.



Resistant sealing ring for screw fastening.





Accessories:

see page 24 – 27 and page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Box: 1.25 mm Cover: 1.25 mm

Surface finish:

Box and cover: Brushed, grain 180

Protection category: IP 66 to EN 60 529/10.91 Complies with NEMA 4x



Support rails to accommodate terminal blocks and electrical equipment. See Cat. 30, page 983.



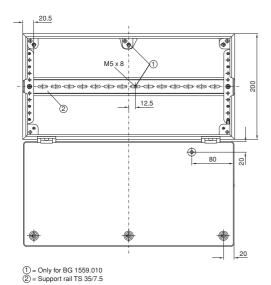
Housing coupling
For attaching the 120 mm deep
KL to the support arm system.. See page 37.



Mounting plate For component mounting even outside of the box. See page 27.

BG 1558.010 / BG 1559.010

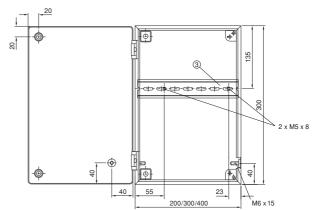




BG 1583.010 / BG 1584.010 / BG 1585.010



i.L. = Clearance width



③ = Support rail TS 35/7.5

Supply includes: Enclosure with 1 support rail TS 35/7.5, lid with foamed seal, 180° hinges, with quick-release fasteners.

	Packs of						Page
Width in mm		200	300	400	400	600	
Height in mm		300	300	300	200	200	
Depth in mm		80	80	80	123	123	
Model No. BG	1	1583.010	1584.010	1585.010	1558.010	1559.010	
Weight (kg)		2.8	3.7	4.5	4.5	6.0	

Accessories				
Wall mounting bracket KL	4	1594.000	1594.000	26
Pole clamp SZ	1	2584.000	2584.000	25
Condensate discharge SZ	6	2459.000	2459.000	Cat. 30 900

To order bus enclosures in 1.4404 (AISI 316L), please change the last three digits of the Model No. to .500. Delivery times available on request.



180° hinges made from die-cast zinc, plated.



Support rail adjustable on profile strip (with BG 1558.010, BG 1559.010).



Support rail secured on studs (with BG 1583.010, BG 1584.010, BG 1585.010).





Accessories:

see page 24 – 27 and page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Box: 1.25 mm Cover: 1.25 mm Hinges: Die-cast zinc

Surface finish:

Box and cover: Brushed, grain 180 Hinges: Plated

Protection category: IP 66 to EN 60 529/10.91

Complies with NEMA 4x

Modification:

- Viewing window for I/O displays
- Holes for screw connections
- Other designs available on request.



Wall mounting bracket For secure attachment of enclosures See page 26.



Pole clamp For fastening to round or square poles. See page 25.



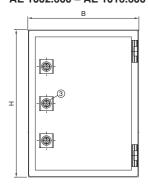
EMC cable glands With special ring for 360° contact. See Cat. 30, page 894.

AE 1017.600

800 1200 i.L. 760

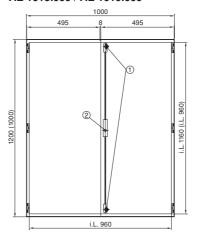
i.L. = Clearance width

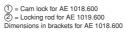
AE 1002.600 - AE 1016.600



③ = For AE 1002.600, AE 1004.600, AE 1005.600, AE 1006.600, AE 1009.600 only one cam lock in the centre

AE 1018.600 / AE 1019.600







Detailed drawings page 20/21.

1-	Т		-1
		———————————————————————————————————————	
 		۲	1
 		h	•
		20	1_

Width (B) in mm	Packs of	200	380	300	380	500	500	380	600	Page
Height (H) in mm		300	300	380	380	500	500	600	380	
Depth (T) in mm		155	155	210	210	210	300	210	210	
Model No. AE	1	1002.600	1004.600	1005.600	1006.600	1007.600	1013.600	1008.600	1009.600	
Doors		1	1	1	1	1	1	1	1	
Weight (kg)		4.5	8.8	8.7	12.0	18.4	18.9	17.0	17.0	

Accessories											
Rain canopy SZ	1	2470.000	2471.000	2361.000	2472.000	2362.000	-	2472.000	2473.000	25	
Wall mounting bracket SZ	4		2433.000								
Wall angle SZ	1		2583.000								
Pole clamp SZ	1		2584.000								
Cam lock of 1.4301 SZ	1		2304.000								

Width (B) in mm	Packs of	600	600	760	800	800	1000	1000	
Height (H) in mm		600	760	760	1000	1200	1000	1200	
Depth (T) in mm		210	210	300	300	300	300	300	
Model No. AE	1	1010.600	1012.600	1014.600	1016.600	1017.600	1018.600	1019.600	
Doors		1	1	1	1	1	2	2	
Weight (kg)		25.0	31.7	42.5	52.9	70.0	71.0	85.0	

Accessories

Rain canopy SZ	1	2473.000	2473.000	2474.000	2475.000	2475.000	2363.000	2363.000	25		
Wall mounting bracket SZ	4		2433.000								
Wall angle SZ	1		2583.000								
Pole clamp SZ	1	2584.000	2584.000	-	-	-	-	-	25		
Cam lock of 1.4301 SZ	1	2304.000	2304.000	2304.000	2304.000	_	_	_	24		

Lock systems
In enclosures fitted with a cam lock, the standard double-bit lock insert (except for AE 1018.600 / AE 1019.600) may be exchanged for a 41 mm lock insert, security cylinder insert, plastic handle, T-handles, design C, see Cat. 30, page 940 – 943.

With AE 1018.600, may only be exchanged for 41 mm lock inserts.

In enclosures with a locking rod, may be exchanged for 27 mm lock inserts, design A, see Cat. 30, page 942 and Ergoform-S lock system, see Cat. 30, page 939.

To order compact enclosures in 1.4404 (AISI 316L), please change the last three digits of the Model No. to .500. Delivery times available on request.



Enclosure protection channel prevents the ingress of dirt and water when the door is opened.



To dismantle the door, the hinge pin is simply pulled out.





Accessories:

see page 24 – 27 and page 70/71 or refer to index.

Supply includes:

Enclosure, door(s) with foamed-in seal, mounting plate.

Material:

Stainless steel 1.4301 Enclosure and door: Stainless steel Mounting plate: Sheet steel Cam lock: Die-cast zinc, nickel-plated

Surface finish:

Enclosure and door: Brushed, grain 180 Mounting plate: Zinc-plated

Protection category:
IP 66 to EN 60 529/10.91
for AE 1002.600 – AE 1017.600,
complies with NEMA 4x. IP 55 to EN 60 529/10.91 for AE 1018.600 / AE 1019.600, complies with NEMA 12.



Lock cover Prepared for padlock or multiple lock. See Cat. 30, page 945.

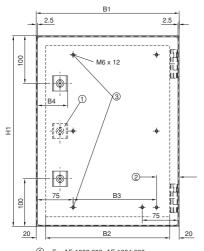


Lock inserts See Cat. 30, page 942.

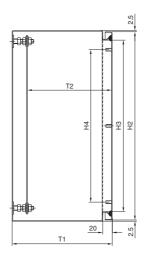


Rain canopies For protection against direct water inflow. see page 25

AE 1002.600 - AE 1016.600

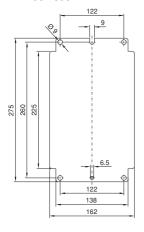


- ① = For AE 1002.600, AE 1004.600, AE 1005.600, AE 1006.600, AE 1009.600 only one cam lock in the centre and no central bolts ② = 50 for AE 1002.600 ③ = Does not apply to AE 1002.600

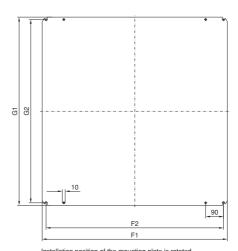


Mounting plates

AE 1002.600



AE 1004.600 - AE 1016.600



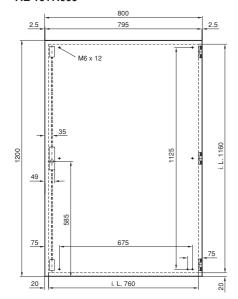
Installation position of the mounting plate is rotated through 90° for AE 1005.600

Compact enclosures AE

	Dimensions of enclosures										Dimensions of mounting plate				Material thicknesses in mm		
Model No. AE	В1	B2	ВЗ	B4	H1	H2	НЗ	H4	T1	T2	G1	G2	F1	F2	Enclosure	Door	Mounting plate
1002.600	200	167	-	56	300	295	274	225	155	135	-	-	-	-	1.25	1.5	2.0
1004.600	380	340	250	66	300	295	260	225	155	113 – 129	275	250	334	295	1.38	1.5	2.0
1005.600	300	260	175	66	380	375	340	275	210	168 – 184	275	250	334	295	1.38	1.5	2.0
1006.600	380	340	250	66	380	375	340	275	210	168 – 184	355	330	334	295	1.38	1.5	2.5
1007.600	500	460	375	66	500	495	460	425	210	168 – 184	470	445	449	410	1.38	1.5	2.5
1013.600	500	460	375	66	500	495	460	425	300	258 – 274	470	445	449	410	1.50	1.5	2.5
1008.600	380	340	250	66	600	595	560	525	210	168 – 184	570	545	334	295	1.38	1.5	2.5
1009.600	600	560	475	66	380	375	340	275	210	168 – 184	355	330	549	510	1.38	1.5	2.5
1010.600	600	560	475	66	600	595	560	525	210	168 – 184	570	545	549	510	1.38	2.0	2.5
1012.600	600	560	475	66	760	755	720	675	210	168 – 184	730	705	549	510	1.38	2.0	3.0
1014.600	760	720	625	66	760	755	720	675	300	258 – 274	730	705	704	665	1.50	2.0	3.0
1016.600	800	760	675	66	1000	955	960	925	300	258 – 274	955	930	739	700	1.50	2.0	3.0

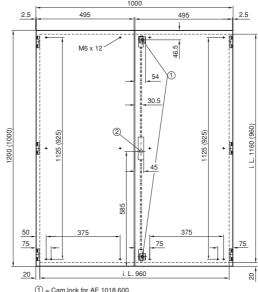
Dimensions in detail

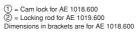
AE 1017.600

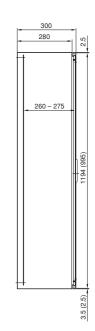


i.L. = Clearance width

AE 1018.600 / AE 1019.600

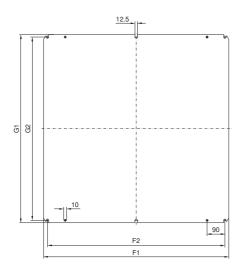




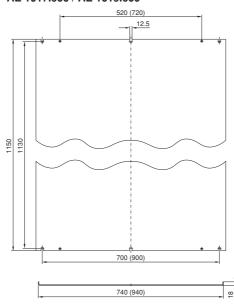


Mounting plates

AE 1018.600



AE 1017.600 / AE 1019.600

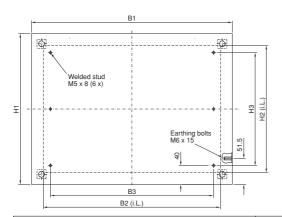


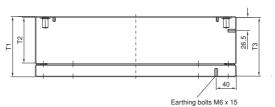
Dimensions in brackets are for AE 1019.600

Compact enclosures AE

]	enclosures		imensions of	mounting plat	Material thicknesses in mm					
Model No. AE	B1	H1	T1	G1	G2	F1	F2	Enclosure	Door	Mounting plate
1017.600	800	1200	300	-	-	-	-	1.50	2.0	3.0
1018.600	1000	1000	300	955	930	939	900	1.50	2.0	3.0
1019.600	1000	1200	300	-	-	-	-	1.50	2.0	3.0

Rittal Stainless steel brochure 21







i. L. = Clearance width

Packs of	150	150	300	400
	150	150	200	300
	80	120	120	120
1	1024.010	1024.020	1024.030	1024.040
	103	103	253	353
	75	75	225	325
	103	103	153	253
	75	75	125	225
	51.5	91.5	91.5	91.5
	77	117	117	117
	60	100	100	100
	69.5/54.5	109.5/94.5	109.5/94.5	109.5/94.5
	4	4	6	10
		•		
10	2314.000	2314.000	2316.000	2317.000
	1	150 80 1 1024.010 103 75 103 75 51.5 77 60 69.5/54.5	150 150 80 120 120 1024.020 1 1024.010 103 103 75 75 75 75 75 51.5 91.5 77 117 60 100 69.5/54.5 4 4	150 150 200 80 120 120 1 1024.010 1024.020 1024.030 103 103 253 75 75 225 103 103 153 75 75 125 51.5 91.5 91.5 77 117 117 60 100 100 69.5/54.5 109.5/94.5 109.5/94.5 4 4 6

To order Premium Line KL in 1.4404 (AISI 316L), please change the last three digits of the Model No. to 5X0. Delivery times available on request.



Mounting plate

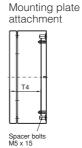
For installation with spacer bolts, including drilled holes for earthing.

Material:

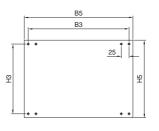
Sheet steel, zinc-plated, passivated

Supply includes:

Including assembly screws and earthing material.



For enclosure	B5	H5	Packs of	Model No. KL
1024.010 1024.020	100	100	1	1024.910
1024.030	250	150	1	1024.920
1024.040	350	250	1	1024.930





Mounting bracket

For attaching support rails on a 12.5 mm pitch pattern.

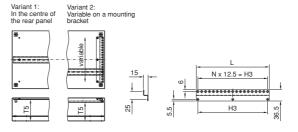
Material:

Stainless steel 1.4301

Supply includes:

Including assembly parts

For enclosure	B5	H5	Packs of	Model No. KL
1024.010 1024.020	85	6	1 set	1024.810
1024.030	135	10	1 set	1024.820
1024.040	235	18	1 set	1024.830









Depending on customer requirements, screw head on the outside . . .





. or plastic stoppers on the outside with concealed screws (included in the supply).

Material:

Stainless steel 1.4301, 1.5 mm

Surface finish:

Brushed, grain 240

for the seal and lock

A new design, a new concept

Resistant to high-pressure cleaning (protection cate-gory IP 69K).
 The seal lies between two seals and is perfectly com-pressed by servey factoring

pressed by screw fastening

 Screw fastening for stringent requirements in the food and

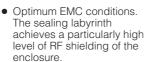
With plastic stoppers on the

inside or hex screws on the

(see detailed drawing).

hygiene sectors.

outside.



- Cover retainer on the inside.
 This solution is clearly superior to external hinges from a hygiene point of view.
- Wall mounting can be implemented directly from the rear using M8 pull-in nuts, or from the front using wall mounting brackets.



Retainer for lid in the extended position. **Model No. CP 6682.000.**



Rittal service:

are available on request.

Cutouts and drilled holes to your specifications.

Other sizes and other enclosures with this sealing concept

Wall mounting bracket KL 1594.000, see page 26.

Protection category: IP 69K to DIN 40 050-9/5.93

- The seal lies between two surfaces and is easily cleaned.









Cam lock

Complete cam lock with double-bit insert for AE stainless steel enclosures (with cam lock).

Material:

Stainless steel 1.4301

Supply includes:

Assembly parts included

Packs of	Model No. SZ
1	2304.000



Semi-cylinder lock

For retrospective mounting on all singledoor AE compact enclosures in stainless steel with cam lock. The cover plate is latched by semi-cylinders with a total length of 40 or 45 mm (to DIN 18 254). An extra cover protects the cylinder from

The protection category of the enclosure is not reduced.
Supplied without semi-cylinder.

Packs of	Model No. SZ
1	2534.500

Material:

Die-cast zinc, plated (matt).

German patent no. 195 12 280 US patent no. 5,916,282 Jap. patent no. 3.088.465 European patent no. 0778 913 with validity for GB, FR, IT



Lock cover

For padlocks and multiple locks.

For retrospective mounting on all singledoor compact enclosures AE with cam

Lug with 11 mm diameter hole for padlocks or multiple locks.

The protection category of the enclosure is not reduced.

Model No. SZ	Packs of
2493.000	1

Material:

Die-cast zinc, plated (matt).

Supply includes:

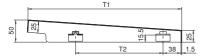
Lock cover assembly parts included.

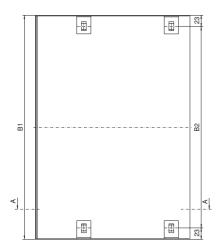


Accessories:

Multiple lock, see Cat. 30, page 945.







Rain canopies for AE

Reliable protection for outdoor siting – with water run-off to the rear. Easily retrofitted.

Material:

Stainless steel 1.4301

Surface finish:

Brushed

Supply includes:

Including assembly parts

For outdoor siting, as a general principle, we recommend a rain canopy above the enclosure or above the gap between the door or screw-fastened rear panel and the enclosure, in order to protect against water and UV rays.

The tests of IP protection levels for water protection (2nd code digit to EN 60 529) should not be applied to enclosures sited outdoors or in similar conditions.

Rain canopies for other enclosures available on request.

For AE enclosures	B1	B2	T1	T2	Model No. SZ
1002.600	211	160	180	65	2470.000
1005.600	311	260	235	120	2361.000
1004.600	391	340	180	65	2471.000
1006.600 1008.600	391	340	235	120	2472.000
1007.600	511	460	235	120	2362.000
1009.600 1010.600 1012.600	611	560	235	95	2473.000
1014.600	771	720	325	185	2474.000
1016.600 1017.600	811	760	325	185	2475.000
1018.600 1019.600	1011	960	325	185	2363.000



Accessories:

Condensate discharge, see Cat. 30, page 900.





Pole clamp

For reliable, convenient fastening to round or square poles.

For pole diameter/size: Ø from 40 up to 190 mm ☐ from 50 up to 150 mm

Material:

Cross rails, clamping section: Sheet steel, zinc-plated Clamping strap: Stainless steel 1.4301

	Model No. SZ
Pole clamp	2584.000

Supply includes:

- 2 cross rails, 600 mm long,
- 4 clamping sections,
- 2 clamping straps,
- 4 clamping brackets,
- 4 screws and M8 nuts for mounting on the enclosure.

German patent no. 36 10 152



Wall mounting bracket

For fastening KL, EB and BG enclosures.

Material:

Stainless steel 1.4301

Wall distance	Packs of	Model No. KL
8 mm	4	1594.000

See drawing A for dimensions



Wall mounting bracket

For fastening KL, EB, BG, AE and EL enclosures.

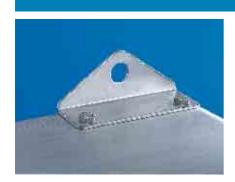
Material:

Stainless steel 1.4301

Wall distance	Packs of	Model No. SZ
10 mm	4	2433.000

See drawing B for dimensions

With stainless steel enclosures, additional holes are required in the rear wall for reasons of hygiene and because of the protection category.



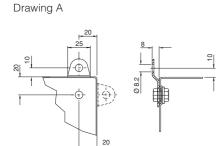
Wall angle

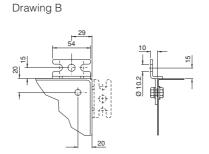
For compact enclosures (additional holes required in the enclosure). Simple mounting, no distance from the wall

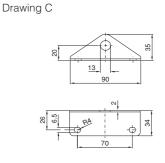
Material	Packs of	Model No. SZ
Stainless steel 1.4301	1	2583.000

See drawing C for dimensions

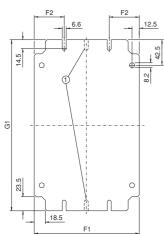
Wall mounting brackets / angles











1 = With 125 mm wide plates, fastening is in the centre only

Mounting plates for KL

For component mounting, even before fitting in the enclosure. Assembly screws included in the accessory of the enclosure.

2 mm sheet steel

Surface finish:

Zinc-plated



+ Accessories:

Self-drilling screws SZ 2487.000, see Cat. 30, page 969.



Possible alternative:

Support rails, see Cat. 30, page 983.

For dimensions	F0r Model No.	Dime	nsions i	n mm	Model No.
mm	For Woder No.	G1	F1	F2	KL
150 x 150	KL 1500.210, KL 1514.210, KL 1521.010	135	125	_	1560.700
200 x 150	KL 1528.210, KL 1529.210	185	125	_	1575.700
300 x 150	KL 1501.210, KL 1515.210, KL 1522.010, KL 1530.210	285	125	_	1561.700
400 x 150	KL 1589.210	385	125	-	1576.700
200 x 200	KL 1502.210, KL 1516.210, KL 1523.010	185	175	50	1562.700
300 x 200	KL 1503.210, KL 1517.210, KL 1524.010, KL 1531.210	285	175	50	1563.700
400 x 200	KL 1504.210, KL 1518.210, KL 1525.010, KL 1532.210	385	175	50	1564.700
500 x 200	KL 1505.210, KL 1533.210	485	175	50	1565.700
600 x 200	KL 1506.210, KL 1519.210, KL 1534.210	585	175	50	1566.700
800 x 200	KL 1527.210, KL 1542.210	785	175	50	1574.700
300 x 300	KL 1507.210, KL 1526.010, KL 1535.210	285	275	50	1567.700
400 x 300	KL 1508.210, KL 1536.210	385	275	50	1568.700
500 x 300	KL 1509.210, KL 1537.210	485	275	50	1569.700
600 x 300	KL 1510.210, KL 1538.210	585	275	50	1570.700
400 x 400	KL 1511.210, KL 1539.210	385	375	62.5	1571.700
600 x 400	KL 1512.210, KL 1540.210	585	375	62.5	1572.700
800 x 400	KL 1513.210, KL 1541.210	785	375	62.5	1573.700

Human / machine interface

When it comes to ergonomics and user-friendliness, operating housings (particularly in conjunction with the support arm system), consoles and PC cases are capable of meeting the most discerning demands.

Machines with modern, flexible production technology need solutions at the operating interface which meet their requirements precisely.

These include rational enclosure population, versatile positioning of monitoring and control components, and high-quality controllers with an outstanding design. Under the motto "Standardised, not customised", Rittal offers complete solutions to boost productivity at the interface between human and machine.

Premium Panel

- Screw fastened rear panel to meet discerning requirements in the food and hygiene sectors
- Support arm connection with reinforcement plate optionally at the top or bottom
- With keyboard housing on request
- Two duct connectors, also suitable for cable routing between the operating housing and keyboard housing
- All-round sealed enclosure, with designer front

Premium Panel v	vith key	board h	ousing	Protection ca	ategory IP 6	9K)
Command panel	W mm	H mm	D mm	Support arm connection	Model No.	Page
	530	460	120	top	6680.000	
	530	460	120	bottom	6680.010	
	530	460	220	top	6680.100	
	530	460	220	bottom	6680.110	
Keyboard housing	530	200	80/63			30/31
Premium Panel without keyboard housing (Protection category IP 69K)						
	530	360	120		6681.000	
	530	360	220		6681.100	

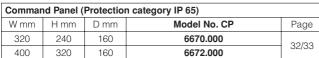




Command Panel



- Front panel or rear panel screw-fastened all round
- Support arm connection with reinforcement plate at the top/bottom by rotating the enclosure
- All-round sealed enclosure, projection over the front panel to protect installed equipment



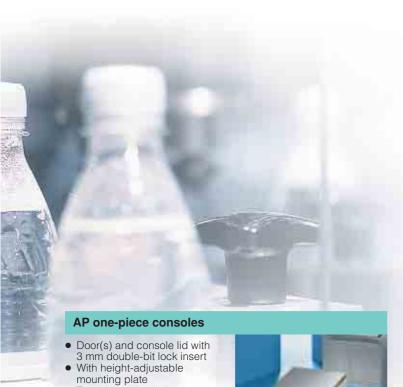
Command Panel housing with door

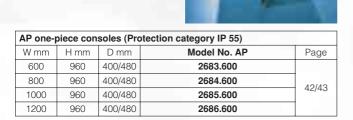


- Door 40 mm deep, left-hand hinge, side handle strips made from plastic approved for use in the food industry
- Support arm connection with reinforcement plate at the top/bottom by rotating the enclosure
- All-round sealed enclosure, 3 mm double-bit lock insert on the right-hand side

Command Panel housing with door (Protection category IP 66)						
W mm	H mm	D mm	Model No. CP	Page		
300	300	150	6535.010			
400	300	150	6536.010	34/35		
400	400	150	6538.010	34/33		
600	400	150	6539.010			

28 Rittal Stainless steel brochure





AP universal consoles

- Front doors with 3 mm double-bit lock insert at the bottom, optionally in tall or short version for desk section or keyboard drawer
- Rear door with tubular door frame and 3 mm double-bit lock insert
- Depth-adjustable with mounting plate
- Three-piece gland plates
- Enclosure sealed at the sides and top, with 25 mm system punchings



Universal consoles AP (Protection category IP 56)							
W mm	H mm	D mm	Model No. AP with short front door	Model No. AP with tall front door	Page		
600	1300	500	2688.600	2689.600	44/45		

PC enclosure systems



- Front doors with 3 mm double-bit lock insert at the bottom, viewing window at
- the top

 With keyboard drawer or desk section
- Rear door with tubular door frame and 3 mm double-bit lock insert
- Three-piece gland plates
- Enclosure sealed at the sides and top, with 25 mm system punchings

PC enclosure systems (Protection category IP 55)							
W mm	H mm	D mm	Model No. PC with keyboard drawer	Model No. PC with desk section	Page		
610	1600	620	4650.000	4650.704	46/47		

The enclosure Model Numbers listed here apply to the variant in 1.4301 (AISI 304). For the variant in 1.4404 (AISI 316L), the Model Number can be found on the respective product page.













Two-piece gland platesEnclosure sealed at the

sides and rear



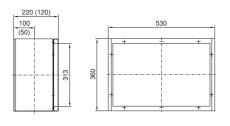


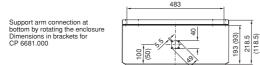


Approvals	Command panel	Command panel housing with door	AP one-piece consoles	AP universal consoles	PC enclosure systems
UL	•	•	•	•	•
CSA	•	•	•	•	•
TÜV	_	•	•	•	•
Germanischer Lloyd	_	-	•	•	•
Norske Veritas	_	•	•	•	•
Russian Maritime Register of Shipping	_	-	•	•	•
Lloyds Register of Shipping	_	-	•	•	•
Bureau Veritas	_	•	•	•	•
VDE	_	•	•	•	•

Rittal Stainless steel brochure 29

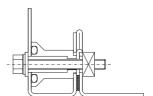
Operating housing



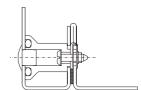


498

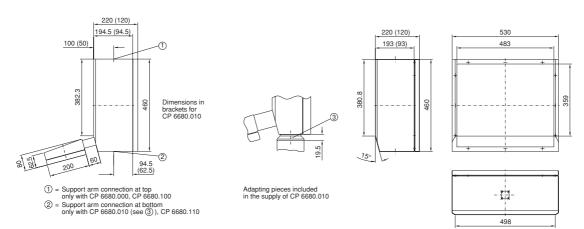
Hex screw external



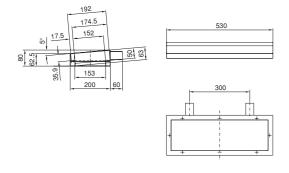
Screw, internal with plastic bungs



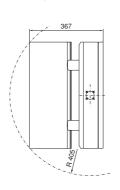
Operating and keyboard housing



Keyboard housing

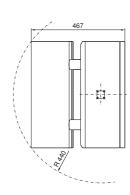






6682.000

Top view Depth 220 mm



		Packs of			Premiu	m Panel		
				with keyboa	ard housing		without keyb	oard housing
Model No. CP		1	6680.000	6680.010	6680.100	6680.110	6681.000	6681.100
Width mm					5	30	•	•
Hairaht nam	Operating housing			46	60		3	60
Height mm	Keyboard housing		200				_	
Donth non	Operating housing		120 220		20	120	220	
Depth mm	Keyboard housing		63/80					
For installation plate	Operating housing			482.6 mm (19")	(354.8 mm (8 U)		482.6 mm (19") x 310 mm (7 U)	
WxH	Keyboard housing			482.6 mm (19″)	x 177 mm (4 U)		_	
	Operating housing		1.	15	2	15	115	215
Installation depth	Keyboard housing		front 58 rear 63				_	
Support arm connection	n		top	bottom	top	bottom	top, bottom by turning the housing	

To order Premium Panel in 1.4404 (AISI 316L) please change the last four digits of Model No. CP 665X.XXX. Delivery times available on request.

Rear panel holder CP



Easy-to-clean exterior gasket.



Cable entry into the keyboard housing through the duct connectors to the operating housing.

Material:

Stainless steel 1.4301

Surface finish:

Brushed, grain 240

Protection category: IP 69K to DIN 40 050-9/5.93



A new layout, a new concept for seal and fastener

- Safe for high-pressure cleaning (protection category IP 69K to DIN 40 050-9/5.93). Seal is between two surfaces and is compressed optimally through screw fastening (see detailed drawing).

 Screw fastening for high standards in the areas of feed and hydrogen.
- food and hygiene. Internally with plastic bungs,
- external hex screw head.

 Best EMC conditions. Through the seal labyrinth, special EMC shielding is achieved in the housing.
- Internal rear panel holder. With regard to hygiene, this solution is clearly superior to external hinges.
- Two duct connectors between the enclosures.



Rittal service:

Other dimensions or other housings with this sealing design available on request. Cutouts and holes to your specifications.



Accessories:

see page 70/71 or refer to index.



The rear panel holder holds the rear panel in position when opened.

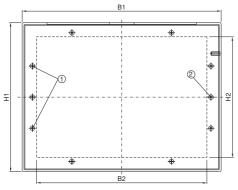
Model No. CP 6682.000



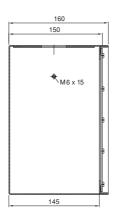
Support arm system See page 36.

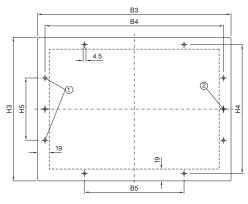


Stainless steel keyboard 482.6 mm (19")/4 Ú IP 67, for use in the food industry, see Innovations 2003, page 50.









① = Does not apply to CP 6670.000
② = Does not apply to CP 6672.000

X = Mounting cutout



Supply includes:

Enclosure with cutout and reinforcement for support arm system, front panel or rear panel with seal and assembly parts.

Two configuration options:

- Front panel screw-fastened at the front
- Front panel as rear panel, additional handle strips made from food-safe plastic similar to RAL 5002 (ultramarine blue) available on request

Width (B1) in mm	Packs of	320	400	Page
Height (H1) in mm		240	320	
Depth in mm		1	160	
Model No. CP	1	6670.000 6672.000		
B2 = Clearance in width		275	355	
B3*= Width of front panel		313	393	
B4 = Hole pitch		288	368	
B5 = Hole pitch		180	220	
H2 = Clearance in height		195	275	
H3*= Height of front panel		233	313	
H4 = Hole pitch		208	288	
H5 = Hole pitch		_	180	
Weight (kg)		5	8	

Accessories

Mounting plate KL	1	1563.700	1567.700	27
Support rails TS 35/7.5 SZ	10	2316.000		
Mounting plate	4	4532.000		
Mounting bracket	4	4597.000		Cat. 30 978

To order Command Panels in 1.4404 (AISI 316L), please change the last three digits of the Model No. to .500. Delivery times available on request. *Other sizes and front panel finishes available on request.



Multi-folded enclosure opening with captive nuts to secure the front panel.



Recessed front panel installation provides a high level of mechanical protection for mounted equipment.





Accessories:

see page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Enclosure: 1.25 mm Front panel: 2.0 mm

Surface finish: Brushed, grain 240

Protection category: IP 65 to EN 60 529/10.91



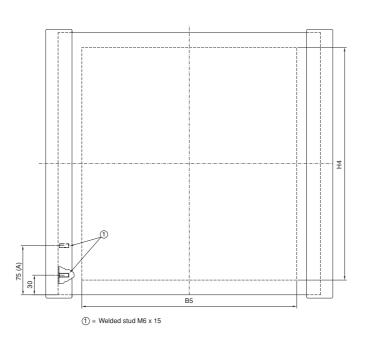
Handle stripsMade of plastic, available on request.

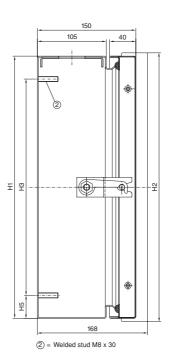


Enclosure attachment with pre-fitted screw for location purposes. See page 37.

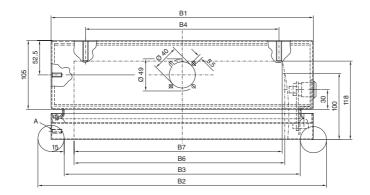


Connector gland for 2 cables up to 8 mm diameter. Model No. SZ 2400.300. See Innovations 2002, page 35.





Rittal Stainless steel brochure



Supply includes:

All-round sealed enclosure, with cutout and reinforcement for support arm system,
fastener with guide plate.
Door with sealing frame and side handle strips.

Support arm connection	Door hinge
top	left
bottom	right

Width (B1) in mm	Packs of	300	400	400	600	Page
Height (H1) in mm		300	300	400	400	
Depth (T1) in mm		150	150	150	150	
Model No. CP	1	6535.010	6536.010	6538.010	6539.010	
B2 = Enclosure width with handle strips		340	440	440	640	
B3 = Clearance opening, front		260	360	360	560	
B4 = Spacing of mounting plate attachment		215	295	295	510	
B5 = Max. front cutout, width		225	325	325	525	
B6 = Hinged width for depth 100 mm		220	320	320	520	
B7 = Hinged width for depth 138 mm		212	317	317	519	
H2 = Enclosure height with handle strips		310	310	410	410	
H3 = Spacing of mounting plate attachment		250	250	330	330	
H4 = Max. front cutout, height		255	255	355	355	
H5 = Distance from base - mounting plate attachment		25	25	35	35	
Weight (kg)		6.3	7.5	8.8	12.1	

Accessories

Matching mounting plate from AE			1033.600	1030.600	1380.600	1039.600	Cat. 30 68
	ID No.		271926	274131	271548	271351	
	Support rails* SZ Model No.	SZ 10	2316.000	2317.000	2317.000	2319.000	Cat. 30 983

Lock systemsStandard double-bit lock insert may be exchanged for 41 mm lock inserts, plastic handle and T handle, version C see Cat. 30, page 940 – 942.

To order operating housings in 1.4404 (AISI 316L), please change the last three digits of the Model No. to .510. Delivery times available on request.

^{* =} Only with vertical attachment of punched rail 23 x 23 mm see Cat. 30, page 976.



PE conductor connection point in the door.



Cam with guide piece.



Support arm cutout with additional reinforcement plate.





Accessories:

see page 70/71 or refer to index.

Material:

Enclosure and door: Stainless steel 1.4301 Handle strips: Plastic approved for use with foodstuffs, RAL 5002 (ultramarine blue)

Surface finish:

Brushed, grain 240

Protection category: IP 66 to EN 60 529/10.91

Modifications:

- Separate keyboard housing
 Other sizes
- Modified support arm cutout or door hinge
- Holes and cutouts for switches and operator panels on request.

Semi-cylinder lock For retro-fitting to stainless steel enclosures with cam lock. See page 24.



Cable fastening screw-fastened. See Cat. 30, page 1010.



The alternative. AE stainless steel, rear door, support arm connection and handle strips available on request. See page 18.



Support arm system

In conjunction with special command panels, terminal boxes 120 mm deep and compact enclosures AE made from stainless steel, the support arm system is particularly well-suited to situations where corrosion protection and hygiene are paramount.

A tilting adaptor and housing coupling may optionally be mounted at the top or bottom of the enclosure. **They are not suitable for use as the base point of a system.** For such purposes, we recommend wall and base mountings or, for larger heights, an additional pillar made from steel tubing or stainless steel, available on request.

Load specifications

Jib length in mm (dimension B)	Permissible static load* (N)
500	800
1000	400
1500	250

^{*} For a maximum dimension A and C of 800 mm

Material:

Stainless steel 1.4305

Protection category:

IP 69K to DIN 40 050-9/5.93 (Resistant to high-pressure cleaning)



Support section

Seven standard items are available off the shelf, which can either be tailored to your individual requirements by sawing to length.

Material:

Stainless steel 1.4301

Surface finish:

Brushed, grain 240

Dimensions:

External diameter: 48 mm Wall thickness: 3.6 mm

Weight:

4.3 kg/m

Straight

 $A_{min.} = 100 \text{ mm},$ $A_{max.} = 2000 \text{ mm}$



By special request, other sizes feasible per specification.

Order example:

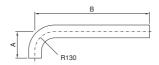
U-bend = CP 6660.200 Dimension A = 300 mm Dimension B = 800 mm Dimension C = 240 mm

The minimum dimensions must be adhered to, because of the bending radius and immersion depth of the housing coupling or wall/base mounting.

A mm	Model No. CP
500	6660.050
1000	6660.010
2000	6660.020
per specification A =	6660.000*

L-bend

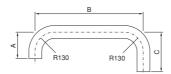
 $A_{min.} = B_{min.} = 240 \text{ mm},$ $B_{max.} = 1500 \text{ mm}$



B mm Model No. CP A mm 240 500 6660.110 500 1000 6660.120 per per specification 6660.100* specification B = A =

U-bend

 $\begin{array}{l} A_{\text{min.}} = C_{\text{min.}} = 240 \text{ mm,} \\ B_{\text{min.}} = 410 \text{ mm,} \\ B_{\text{max.}} = 1500 \text{ mm} \end{array}$



A mm	B mm	C mm	Model No. CP
240	800	800	6660.210
240	500	500	6660.220
per specifi- cation A =	per specifi- cation B =	per specifi- cation C =	6660.200*

^{*} Extended delivery times



Tilting adaptor, 10°

For mounting between operating housing

- Enclosure attachment CP 6664.500
- Housing coupling CP 6664.000

Material:

Stainless steel 1.4305

Weight	Model No. CP
0.7 kg	6664.100

Supply includes:

- 1 set =
- 1 tilting adaptor,
- 4 assembly screws,
- 1 seal.







Mounting cutout





Enclosure attachment

For rigid fastening of the enclosure to the support section.

Material:

Stainless steel 1.4305

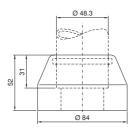
For assembly of a modular, stainless steel pedestal 2 packs are required.

Weight	Model No. CP
1.0 kg	6664.500

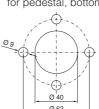


Accessories:

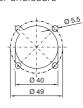
Enclosure reinforcement, see page 41.







Mounting cutout, for enclosure





Housing coupling

For mounting on the vertical part of the support arm system, rotation range approximately 350°, lockable with knurled screw.

Material:

Stainless steel 1.4305

Supply includes:

1 set =

1 housing coupling,

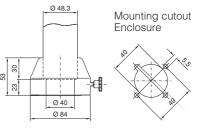
- 2 assembly screws for support sections,
- 4 assembly screws for enclosure,
- 1 seal for support sections,
- 1 seal for enclosure

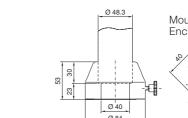
Weight	Model No. CP
1.1 kg	6664.000



Accessories:

Enclosure reinforcement, see page 41.







Wall / base mounting, rigid

For attachment of the support arm system to vertical or horizontal surfaces.

Stainless steel 1.4305

Supply includes:

- 1 set =
 1 wall/base mounting,
 2 assembly screws for support section,
 3 adjusting screws,
 1 seal for support sections,
 1 seal for wall/base.

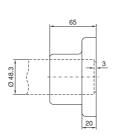
Weight	Model No. CP
1.6 kg	6663.000

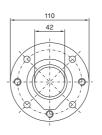


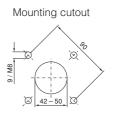
Accessories:

Wall consoles, see page 40.













Swivel base mount

For external mounting on

- Horizontal surfaces
 Wall consoles (only with CP 6663.500)

Rotation range approximately 350°, may be limited in 60° increments using the supplied plate and clamped with a knurled screw.

Material:

Stainless steel 1.4305

Supply includes:

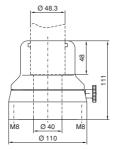
- 1 set =
- 1 base mount,
- 2 assembly screws for support section, 1 seal for support section, 1 seal for surface or wall bracket.

Attachment	Weight	Model No. CP
M8 thread at rear	1.9 kg	6663.500
Front hole Ø 9 mm	2.1 kg	6663.400

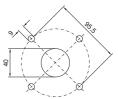


+ Accessories:

Wall brackets for base mounting CP 6663.500, see page 40.

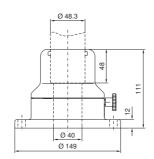


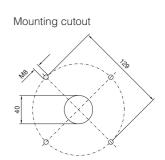


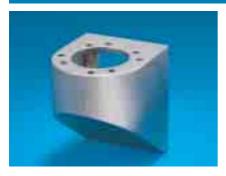












Wall bracket

- With holes for mounting
 Swivel base mount CP 6663.500 with 4 screws
 Wall/base mounting, rigid, CP 6663.000 with 4 screws and nuts, including seal to the vertical surface and an additional coal for replacement when mounting seal for replacement when mounting CP 6663.000.

Attachment	Weight	Model No. CP
M8 thread at rear	1.5 kg	6665.000
Front hole Ø 9 mm	1.8 kg	6665.500

Material:

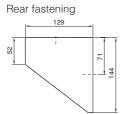
Stainless steel 1.4301

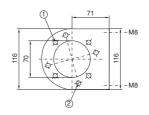
Surface finish:

Brushed, grain 240



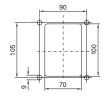
Example: CP 6665.000 + CP 6663.000

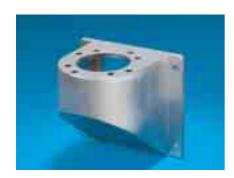




1 = Hole for CP 6663.000 2 = Hole for CP 6663.500

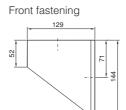
Mounting cutout

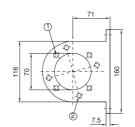






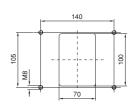
Example: CP 6665.500 + CP 6663.500





① = Hole for CP 6663.000 ② = Hole for CP 6663.500

Mounting cutout

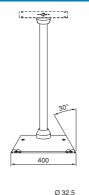


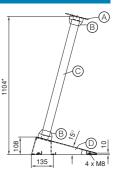


Pedestal, modular, small

For configuring compact operator stations.

Can be assembled from the following modules:	Model No. CP	Page
A Enclosure reinforcement	6143.310	41
B Enclosure attachment top	6664.500	37
© Support section, straight (can be shorted by cutting off individual lengths)		
500 mm	6660.050	36
1000 mm	6660.010	36
2000 mm	6660.020	36
B Enclosure attachment bottom	6664.500	37
Pedestal base plate, small	6143.300	41









Enclosure reinforcement

For exterior or interior reinforcement of enclosures of the appropriate size. Smaller enclosures may also be installed directly without a flange.

For use with

- enclosure attachment CP 6664.500
- housing coupling CP 6664.000

Material:

Stainless steel 1.4301

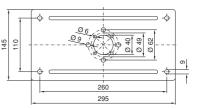
Surface finish:

Brushed

Supply includes:

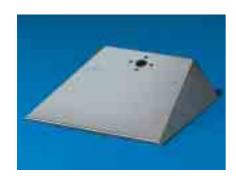
Including assembly parts for the enclosure and support section plus 2 seals.

Packs of	Model No. CP
1	6143.310
1	





Enclosure attachment CP 6664.500, see page 37. Housing coupling CP 6664.000, see page 37.



Pedestal base plate, small

With reinforcement bracket for assembling a stainless steel support section via an enclosure attachment.

- With one hole at the rear for commercially available cable conduit gland M20.
- With two holes at the top (incl. sealing bungs) for lower base attachment cross member.
- Prepared on the inside for a cable clamp DK 7077.000 or DK 7078.000 for strain

Material:

Stainless steel 1.4301

Surface finish:

Brushed

Supply includes:

Assembly parts for enclosure attachment

Note:

Commercially available screws up to M8 may be used for floor mounting.

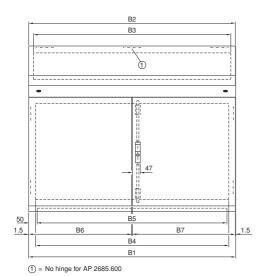
Packs of	Model No. CP
1	6143.300

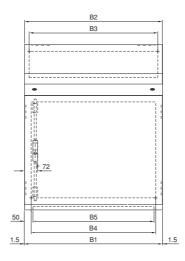


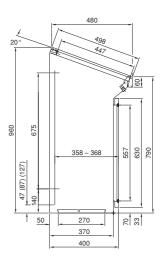
+ Accessories:

DK 7077.000 or DK 7078.000 cable clamp see Cat. 30, page 981.

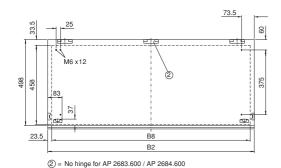
AP 2683.600 / AP 2684.600

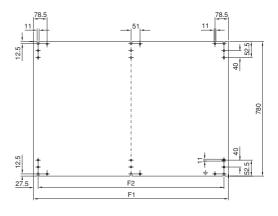












Supply includes:

Enclosure, closed back and sides, door or double door at the front, with rod type lock console lid with lid stay and stainless steel cam lock internally latched, two-part gland plate, zinc-plated mounting plate.

Width (B1) in mm	Packs of	600	800	1000	1200	Page
Height in mm		960	960	960	960	
Depth in mm		400/480	400/480	400/480	400/480	
Model No. AP	1	2683.600	2684.600	2685.600	2686.600	
B2 = Width		597	797	997	1197	
B3 = Clearance width, top		544	744	944	1144	
B4 = Clearance width, front		524	724	924	1124	
B5 = Clearance width, bottom		500	700	900	1100	
B6 = Width of door, left				495	595	
B7 = Width of door, right		-	_	497	597	
B8 = Section length of holes		500	700	900	1100	
F1 = Mounting plate width		530	730	930	1130	
F2 = Distance between mounting holes		475	675	875	1075	
Doors		1	1	2	2	
Weight (kg)		52.0	65.2	79.5	90.3	

Accessories							
Base/plinth SO	Height 100 mm	1	2865.000	2869.000	2867.000	2870.000	63
	Height 200 mm	1	2875.000	2878.000	2885.000	2886.000	63

Lock systems
Standard double-bit lock insert of locking rod may be exchanged for 27 mm lock inserts, type A, see Cat. 30, page 942 and lock systems Ergoform-S, see Cat. 30, page 939.

To order one-piece consoles in 1.4404 (AISI 316L), please change the last three digits of the Model No. to .500. Delivery times available on request.



The lid support is secured to prevent accidental closure.



The mounting plate is height-adjustable by 2 x 40 mm, e.g. for deep equipment installed in the lid or cable entry from the rear.





Accessories:

see page 63/64 and page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Enclosure: 1.5 mm Door or double door and console lid: 2.0 mm Mounting plate: Sheet steel 3.0 mm

Surface finish:

Enclosure, door and console lid: Brushed, grain 120 Mounting plate: Zinc-plated

Protection category: IP 55 to EN 60 529/10.91 Complies with NEMA 12



Levelling feet for base/plinth to compensate for floor irregularities. See page 64.



P 67 mouse and mouse pad See Cat. 30, page 1004.

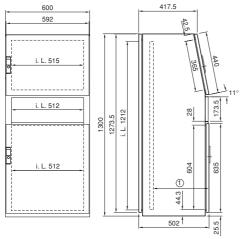


Wall bracket, stainless steel mounted on the rear panel for additional command panel. See page 40.

AP 2688.600 front door, short

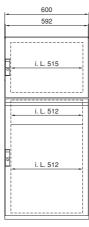
AP 2689.600 front door, tall

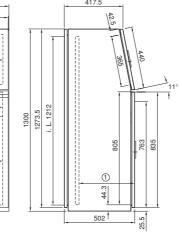
Mounting plate



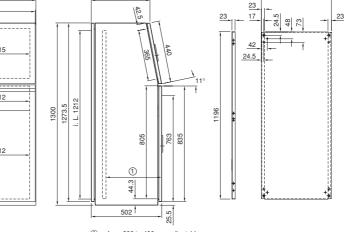
i. L. = Clearance width

① = from 200 to 400 mm adjustable on a 25 mm pitch pattern

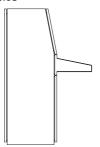




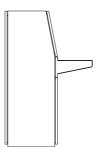
① = from 200 to 400 mm adjustable on a 25 mm pitch pattern



Order examples



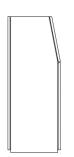
AP 2688.600 Front door, short AP 2690.000 **Desk section**



AP 2688.600 Front door, short AP 2690.000 **Desk section**



AP 2688.600 Front door, short AP 2691.000 Keyboard drawer



AP 2689.600 Front door, tall

Supply includes: Enclosure closed top and sides, rear door, three-part gland plates, mounting plate.

AP 2688.600

Three-part front:
Top door inclined at 11°, r/h hinge. Space for

desk section AP 2690.000keyboard drawer AP 2691.000. Bottom door, r/h hinge.

AP 2689.600

Two-part front:
Top door inclined at 11°, r/h hinge. Bottom door, r/h hinge.

		Packs of Universal console		Page	
			with short front door	with tall front door	
Width in mm			600	600	
Height in mm			1300	1300	
Depth in mm			500	500	
Model No. AP		1	2688.600	2689.600	
Weight (kg)			83.3	84.5	
Essential accessories					
Desk section AP		1	2690.000	_	49
or Keyboard drawer AP		1	2691.000	-	49
Accessories for external mounting	1	•			
Base/plinth SO	Height 100 mm	1	2868.000	2868.000	63
	Height 200 mm	1	2876.000	2876.000	63

Base/plinth SO Heig	tht 100 mm 1	2868.000	2868.000	63
Heig	ht 200 mm 1	2876.000	2876.000	63
Base/plinth trims, modular SO	4	2908.000	2908.000	64

Lock systems
Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A – see Cat. 30, page 942, and Ergoform-S lock system – see Cat. 30, page 939.

To order universal consoles in 1.4404 (AISI 316L), please change the last three digits of the Model No. to .500. Delivery times available on request.



All-round punchings on a 25 mm pitch pattern for fast, versatile installation.



Mounting plate with slide block and runner for convenient installation and depth-variable attachment.





Accessories:

see page 48/49 and page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Enclosure: 1.5 mm Door: 2.0 mm Mounting plate: Sheet steel 3.0 mm, zinc-plated

Surface finish: Brushed, grain 120

Protection category: IP 56 to EN 60 529/10.91 Complies with NEMA12



Connector gland for 3 cables up to a diameter of 6 mm. Model No. SZ 2400.500. See Innovations 2002, p. 35.



Rail for EMC screening plate and strain relief See Innovations 2002, page 74.

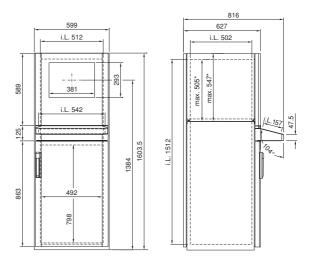


Mouse pad support For desk section, mouse and mouse pad IP 67. See Cat. 30, page 1004/1005.

PC 4650.000 with keyboard drawer

599 627 i.L. 512 293 505 589 558 25 8 1603.5 1384 854 954 863 798

PC 4650.704 with desk section



i. L. = Clearance width

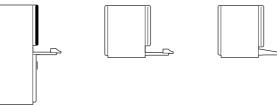
On request:

PC enclosure system PC enclosure with mounting compartment, large and keyboard drawer drawer





PC enclosure system



Supply includes:

Enclosure with closed sides, top and bottom

Rear door with locking rod and double-bit insert

Three-part gland plates
Component shelf for monitor, see description opposite

Bottom: Door, r/h hinge, with Ergoform-S lock system and double-bit insert.

PC 4650.000

Keyboard drawer

- Lock insert,
- lock no. 3524 E
- Front can be folded down for hand rest
- Mouse pad support (also suitable for IP 67 mouse), usable optionally I/h or r/h side
- Cable support, hinged

PC 4650.704

Desk section

- Blanking panel top and bottom
- Styling strip made of food-safe plastic

Width in mm		Packs of	600	600	Page
Height in mm		. 40.10 01	1600	1600	, ago
Depth in mm			620	620/820	
Model No. PC		1	4650.000	4650.704	
Weight (kg)			115.0	123.0	
Accessories for external mo	ounting				
Base/plinth SO	Height 100 mm	1	2855.000	2855.000	63
	Height 200 mm	1	2877.000	2877.000	63
Levelling feet, 100 mm high SO		1 set	2859.000	2859.000	64
Base/plinth trims, modular SO		4	2913.000	2913.000	64
Accessories for internal mo	ounting				
Mounting angles for 482.6 m	nm (19″)	4	4632.000	4632.000	Cat. 30, 1026
Adaptor pieces, 482.6 mm (19")		8	4547.000	4547.000	Cat. 30, 1026
Disk box SZ		1	2446.000	2446.000	Cat. 30, 951

Lock systems
Standard double-bit lock insert may be exchanged for 27 mm lock inserts, Design A, see Cat. 30, page 942. Rear door prepared for installation of Ergoform-S lock system, see Cat. 30, page 939.

Order enclosures in 1.4404 (AISI 316L) with extension no. .50X. Delivery times available on request.

^{*} adjustable in the 25 mm pitch



Release mechanism in the keyboard drawer area for monitor



Mouse pad support pulled out from left or right side.



Cable support, hinged on the keyboard extension.





+ Accessories:

see page 48/49 and page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Enclosure: 10-fold profiled, 1.8 mm
Rear door: 2.0 mm
Gland plates: 1.5 mm
Monitor field with single-pane
safety glass for 19" screen diagonal.

Surface finish:

Brushed, grain 240

Protection category: IP 55 to EN 60 529/10.91 Complies with NEMA 12



Component shelves installable in the height on a 25 mm pitch pattern. See page 49.



PC mobile workstation Plenty of space for tower PCs, printers, and paper. See page 48.



Connector grommet dividable for keyboard, mouse, or scanner cables. See Innovations 2002, page 35.

Human / machine interface





Mobile PC workstation

for Tower PC, printer, USB, Server, etc.

Option of installing in 600 mm wide enclosures, 600 mm deep.

Load capacity:

75 kg

Material:

Sheet steel

RAL 7035

Supply includes:

Mobile workstation consisting of:

- 1 support frame,
- 2 shelves, top/bottom,
- 1 set of telescopic slides,
- 1 handle,
- 1 cable support, hinged, mounting accessories.

Packs of	Model No. PC
1	4641.000



Also required:

Punched sections with mounting flanges, punched sections without mounting flanges, see table.

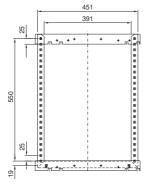


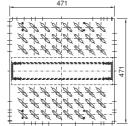
+ Accessories:

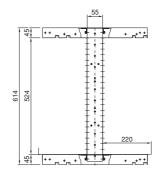
Fastening bolts DK 7115.000, see Cat. 30, page 993.

	For installation in			
For enclosure depth mm	TS 2 punched sections with mounting flanges, see Cat. 30, page 974	ES, PC 2 punched sections without mounting flanges*, see Cat. 30, page 977		
600	TS 8612.060	PS 4376.000		

- 4 support brackets PS 4183.000, see Cat. 30, page 979, 8 threaded blocks M6 PS 4162.000, see Cat. 30, page 982, 8 screws M6 SZ 2504.500, see Cat. 30, page 981.









for PC workstation

To accommodate additional equipment such as modems, power packs etc. or simply as a paper tray.

The shelf may be mounted to the workstation with height adjustment on a 25 mm pitch pattern.

Material:

Sheet steel

Colour:

RAL 7035

Packs of	Model No. PC
1	4642.000

Supply includes:

Shelf including assembly parts.



+ Accessories:

Fastening bolts DK 7115.000, see Cat. 30, page 993.

Human / machine interface



Keyboard drawer

For a maximum keyboard width of 500 mm. Drawer with mouse pad at the front. Includes assembly material for attaching to universal console AP 2688.600.

Material:

Stainless steel 1.4301

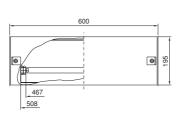
Surface finish:

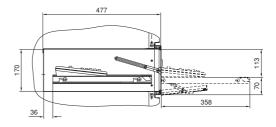
Brushed

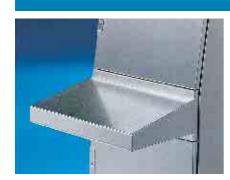
	Model No. AP
Keyboard drawer	2691.000

Note:

Order keyboard drawer in 1.4404 (AISI 316L), with extension no. .500. Delivery times available on request.







Desk section

Solid sides and front, cover plates for top and bottom. May be attached with either the inclined or straight edge on top, by rotating through 180°. Includes assembly material for attaching to universal console AP 2688.600.

Material:

Stainless steel 1.4301

	Model No. AP
Desk section	2690.000

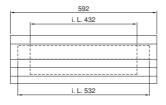
Surface finish:

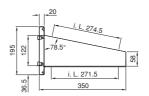
Brushed

Note:

Order desk section in 1.4404 (AISI 316L), with extension no. .500.

Delivery times available on request.

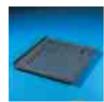




i.L. = Clearance width



For ES, PC



For TS

Component shelf, static installation

To match the enclosure depth, for direct mounting in the vertical system punchings. Simply locate into 4 prefitted screws and secure

Load capacity:

50 kg

Material:

Sheet steel 1.5 mm

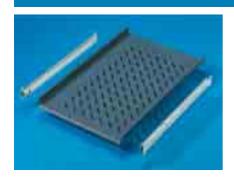
For ES, PC, colour RAL 7035

For enclosure depth*	Model No. PC
620 mm	4619.660

For TS, colour RAL 7015

For enclosure depth*	Model No. PC
600 mm	8800.900

^{*} Enclosures without mounting plate.



Component shelf, pull-out

For direct attachment on the enclosure frame. Additional punched sections are not required.

Material:

Sheet steel

Colour:

RAL 7015 (slate grey)

Load capacity:

40 kg

For depth mm	Model No. IW
600	6902.960 ¹⁾

¹⁾ May also be mounted in 800 mm deep enclosures based on TS (without mounting plate) (rear attachment extendible).

Supply includes:

Component shelf with 2 telescopic slides (supplied loose).

Rittal has shaped and revolutionised the range of benefits afforded by large enclosures with constant innovations.

Whether used as a free-standing or a bayed enclosure, these systems offer the maximum in usable space. All this, plus excellent solution diversity with system accessories.

The integration e.g. of climate control components and system preparations for electronics make TS and ES enclosures ideally suited to demanding IE and IT applications. Here too, system integration is based on the modular approach.

Standard modules, rather than customisation, offer infinite solution diversity, coupled with astonishing time and cost savings.



TS 8 baying systems

- Frame structure made from solid sections with 25 mm system punchings
- Lockable door with four-point lock and four hinges (130°), adjacent door with separate latching top and bottom, four hinges (130°)
- Potential equalisation via the assembly components with:
 Roof plate
 - Rear panel with 8/10-fold screw fastening
 - screw fastening

 Three-piece gland plates
 - Depth-adjustable mounting plate



TS baying system (Protection category IP 55)				
W mm	H mm	D mm	Model No. TS	Page
800	1800	400	8454.600	
1200	1800	400	8456.600	
600	1800	500	8457.600	
800	1800	500	8455.600	54/55
1200	1800	500	8453.600	34/33
600	2000	600	8452.600	
800	2000	600	8450.600	
1200	2000	600	8451.600	

Free-standing enclosures ES 5000

- Enclosure sealed at the sides and top, with 25 mm
- sides and top, with 25 mm system punchings

 Lockable door with three-point lock and three hinges (130°), adjacent door latched via lockable door, three hinges (130°)

 Rear panel with 6/8-fold screw fastening

 Three-piece gland plates
- Three-piece gland plates
- Depth-adjustable mounting plate



ES free-s	ES free-standing enclosures (Protection category IP 56)				
W mm	H mm	D mm	Model No. ES	Page	
600	1600	400	5450.600		
600	1800	500	5451.600		
800	1800	500	5452.600		
800	2000	600	5453.600	58/59	
1000	1800	400	5454.600		
(Protection category IP 55)					
1200	2000	500	5455.600		



The enclosure Model Numbers listed here apply to the variant in 1.4301 (AISI 304). For the variant in 1.4404 (AISI 316L), the Model Number can be found on the respective product page.



















A	TO be a side of a constant	EQ for a standing a collection
Approvals	TS baying systems	ES free-standing enclosures
UL	•	•
CSA	•	•
TÜV	•	•
Germanischer Lloyd	•	•
Norske Veritas	-	•
Russian Maritime Register of Shipping	•	•
Lloyds Register of Shipping	•	•
Bureau Veritas	•	•
VDE	•	•

TS 8 – the Rittal Top enclosure system now available with more variation options with standardised components. This variability is the key to perfect, individual solutions and is outstanding value for money. This is why the TS 8 in stainless steel is technically and economically the answer for all industries that demand corrosion protection and hygiene.

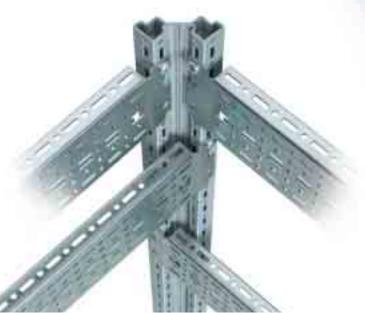
The sum of these useful ideas is ri-volutionary.

- The core of the TS 8 is the vertical section. It is the focal point of a new dimension of usability.
- Considerably more interior space, more effectively used with its two-level concept.
- More options with fewer parts with
- More options with lewer parts with symmetry on all sides.

 Open on all sides: each of the four TS vertical sections can house the hinges in the section of the sec for a door.
- Enclosures can be bayed to the left, right, front, back, around corners, and when needed top and bottom.

More space and infinite possibilities with the two-level concept!

Outer level: up to 15% more space. Inner level: more options with the classic enclosure mounting surface. Ingenious: Installation is feasible on both levels simultaneously. The space gained offers a lot of room for creative ideas, e.g. separate cable entry or new options for climate control.



The TS 8 savings concept

- Save time through simplification in installation.
- When installing, save through more options with fewer parts.
- Automatically save through standard, integral features.
- Save through versatile components. Save through symmetry. Symmetry makes many things easier, from planning to installing equipment.
- Save through security, because risk minimisation is an important factor in cost-effectiveness.

Now in stainless steel

Each detail, a clever solution!

The integral channel above the seal on the horizontal frame section prevents liquid from collecting on the seals and penetrating the door or side panel when opened. Between bayed enclosures, the cover provides additional protection.



Cable entry: fast and sealed!

For cables up to 47 mm diameter, the cable entry plates in conjunction with the cable entry grommets offer an ingeniously simple and especially well sealed cable entry.



Perfect locking!

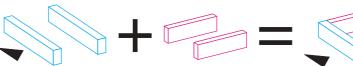
Optimum closure of the door is achieved via four locking points. The self-locking mechanics of the comfort handles are protected against accidental opening, such as, from vibration.

The adjacent door of double-door enclosures is secured through additional bolts on top and at bottom with interconnecting rods and handle from the middle outward. Accidental opening of a heavily equipped adjacent door, such as with a cooling unit, is prevented. The lock system of the primary door is identical with single-door enclosures.









A model no. for the **base/plinth components** front and back.

A model no. for the **base/plinth trim pieces** at the side.

A complete base/plinth.

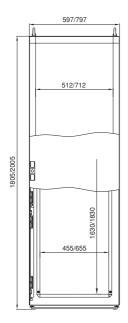
The modular base/plinth design with added-value!

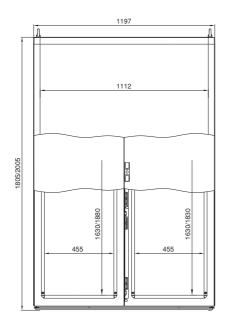
Fewer parts, more options, lower costs! The modular base/plinth design simply offers more: Cable entry variants for individual and bayed enclosures, cable clamping and routing as required.

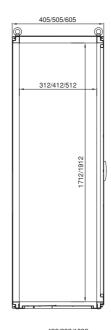
Unlimited possibilities

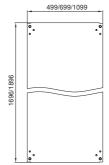
Rittal offers a unique "Modular System" for accessories. Mechanical installation as well as equipment with many useful components is especially cost-effective and can be implemented rapidly.











Mounting plate

Supply includes	Material Stainless steel 1.4301	Surface finish
Enclosure frame	1.5 mm	Bare
Door(s)	2.0 mm	
Roof	1.5 mm	Exterior brushed, grain 240
Rear panel	1.5 mm	grant 2.10
Mounting plate	3.0 mm (sheet steel)	Zinc-plated
Gland plate, three-part	1.5 mm	Bare
0 1 11 1111 1	I (DO 1000 000 O I	00 075\

2 depth stiffening supports (PS 4696.000, see Cat. 30, page 975) mounted in enclosure depth (only for 600 mm).

Protection category IP 55 to EN 60 529/10.91, complies with NEMA 12.

Width in mm		Packs of	800	1200	600	800	1200	600	800	1200	Page
Height in mm			1800	1800	1800	1800	1800	2000	2000	2000	
Depth in mm			400	400	500	500	500	600	600	600	
Model No. TS		1	8454.600	8456.600	8457.600	8455.600	8453.600	8452.600	8450.600	8451.600	
Doors			1	2	1	1	2	1	1	2	
Weight (kg)			112.9	170.4	92.5	116.3	174.9	104.4	129.7	194.7	
Side panels		2	8700.840	8700.840	8700.850	8700.850	8700.850	8700.060	8700.060	8700.060	66
Base/plinth				•	•				•	•	
Components	Height 100 mm	1 set	8701.800	8701.200	8701.600	8701.800	8701.200	8701.600	8701.800	8701.200	62
front and back	Height 200 mm	1 set	8702.800	8702.200	8702.600	8702.800	8702.200	8702.600	8702.800	8702.200	62
Side trim pieces	Height 100 mm	1 set	8701.040	8701.040	8701.050	8701.050	8701.050	8701.060	8701.060	8701.060	62
Side trim pieces	Height 200 mm	1 set	8702.040	8702.040	8702.050	8702.050	8702.050	8702.060	8702.060	8702.060	62
Trim panels, mod	dular SO	4	2907.000	2907.000	2908.000	2908.000	2908.000	2913.000	2913.000	2913.000	64
Accessories											
Divider panel		1	8609.840	8609.840	8609.850	8609.850	8609.850	8609.060	8609.060	8609.060	Cat. 30, p. 906
Divider panel for	module plates	1	-	-	8609.100	8609.100	8609.100	8609.130	8609.130	8609.130	Cat. 30, p. 907
Cable clamp rail	S	2	4192.000	4196.000	4191.000	4192.000	4196.000	4191.000	4192.000	4196.000	Cat. 30, p. 898
Cable entry plate	es, TS	2	8700.800	8700.120*	8700.600	8700.800	8700.120*	8700.600	8700.800	8700.120*	65
System support	rails	2	4362.000	4363.000	4361.000	4362.000	4363.000	4361.000	4362.000	4363.000	Cat. 30, p. 899
Support strips for door		20	4598.000	4596.000	4596.000	4598.000	4596.000	4596.000	4598.000	4596.000	Cat. 30, p. 950
Wiring plan pocket, sheet steel		1	4118.000	4116.000	4116.000	4118.000	4116.000	4116.000	4118.000	4116.000	Cat. 30, p. 952

Detail drawing see page 56/57.

To order enclosure in 1.4404 (AISI 316L) use extension no. .500. Delivery times available on request.

Lock systems
Standard double-bit lock insert may be exchanged for other inserts and comfort handle, see page 68.



Mounting plate, zinc-plated, C fold at sides, depth-adjustable on the 25 mm pitch pattern.



Solid frame sections, punched on a 25 mm pitch pattern for universal interior installation. Vertical stays for two mounting levels.



For a reliable IP protection rating – adjacent door with top and bottom bolts as well as interconnecting rods with four bolts. Operated with the handle





Rittal service:

TS stainless steel (1.4301) with protection category NEMA 4x (extension no. .640) available on request.



Accessories:

see page 62 – 69 and page 70/71 or refer to index.

Note:

Because of the material hardness, for component installation we recommend using the Torx screw SZ 2486.300, see page 67.



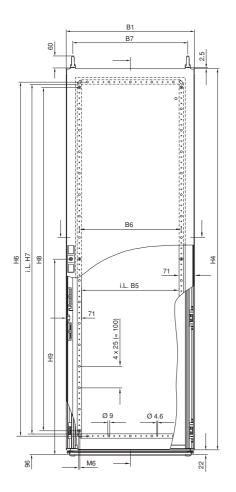
Cable gland of polyamide or brass. Protection category IP 68. See Innovations 2003, page 29.

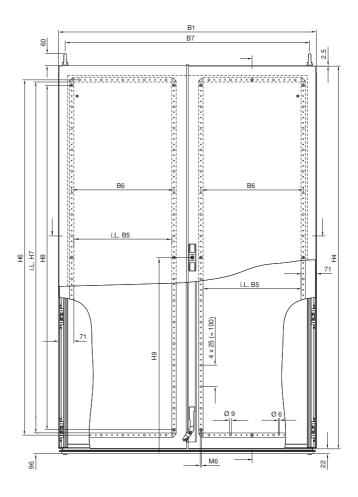


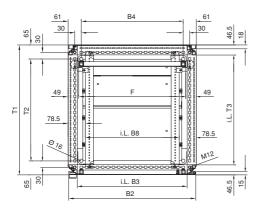
Baying cover Keeps the seal free from liquids and dirt. See page 67.



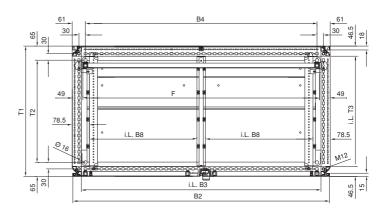
TS punched section with mounting flange 23 x 73 mm with punchings on all sides for captive nuts/threaded blocks. See Cat. 30, page 974.











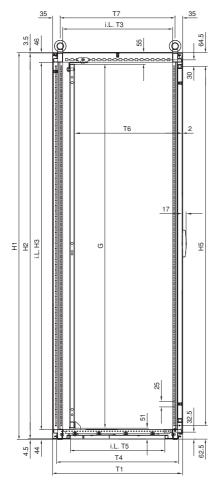
Base/plinth attachment: B4 x T2

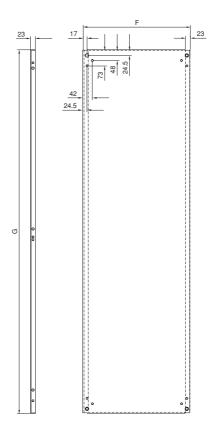
i.L. = Clearance width

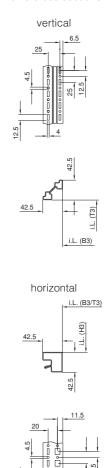
Note: With fitted side panels, the overall width (B1) is increased by 9 mm. Between bayed enclosures, allow 3 mm for the seal.

Dimensions in detail

Profile cross sections







i.L. = Clearance width

Enclo	CUROC		Widths Heights									Depths							Mour	nt. pl.							
ELICIO	sures				vviat	115							П	eignis				Бериіз					IVIOUI	π. ρι.			
Single- door	Two- door	B1	B2	ВЗ	B4	B5	B6	В7	B8	H1	H2	НЗ	H4	H5	H6	H7	H8	H9	T1	T2	ТЗ	T4	T5	Т6	T7	F	G
8454.600		797	792	712	675	655	675	735	640	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130 – 355	335	699	1696
	8456.600	1197	1192	1112	1075	455	475	1135	500	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130 – 355	335	1099	1696
8457.600		597	592	512	475	455	475	535	440	1805	1797	1712	1777.5	1675	1650	1630	1600	911	505	375	412	468	340	130 – 455	435	499	1696
8455.600		797	792	712	675	655	675	735	640	1805	1797	1712	1777.5	1675	1650	1630	1600	911	505	375	412	468	340	130 – 455	435	699	1696
	8453.600	1197	1192	1112	1075	455	475	1135	500	1805	1797	1712	1777.5	1675	1650	1630	1600	911	505	375	412	468	340	130 – 455	435	1099	1696
8452.600		597	592	512	475	455	475	535	440	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130 – 555	535	499	1896
8450.600		797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130 – 555	535	699	1896
	8451.600	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130 – 555	535	1099	1896

Enclosure

B1 = overall width

B2 = width of door

B3 = clearance between enclosure frames

B4 = section length of system holes/hole distance between base and plinth attachment

B5 = clearance between the tubular door frame

B6 = distance between axes of the rows of tubular door frame holes

B7 = spacing between eyebolts

B8 = clearance in base aperture

H1 = overall height

H2 = height of rear panel

H3 = clearance between the enclosure frame

H4 = height of door

H5 = section length of system holes

H6 = distance between axes of the rows of tubular door frame holes

H7 = clearance between the tubular door frame

H8 = spacing of tubular door frame fastening bolts

H9 = distance from base to centre of lock

T1 = overall depth

T2 = section length of system holes/hole distance between base and plinth attachment

T3 = clearance between the enclosure frames

T4 = depth of base frame

T5 = clearance in base aperture

T6 = possible installation depth (mounting plate assembly), depth-adjustable on a 25 mm pitch pattern

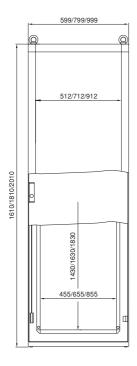
T7 = centre-to-centre distance between eyebolts

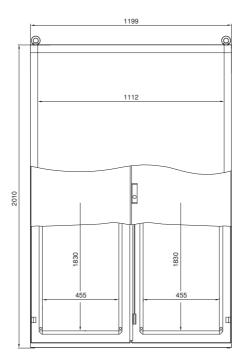
Mounting plate

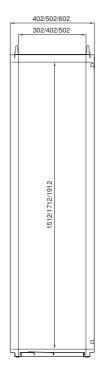
F = overall width

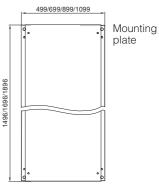
G = overall height

ES 5455.600









Supply includes:

Enclosure, closed top and sides, removable rear wall, r/h door hinge, can be changed to opposite side, except for ES 5455.600; 130° hinges, mounting plate, three-part gland plates.

Detailed drawings see page 60/61.

									_
Width in mm		Packs of	600	600	800	800	1000	1200	Page
Height in mm			1600	1800	1800	2000	1800	2000	
Depth in mm			400	500	500	600	400	500	
Model No. ES		1	5450.600	5451.600	5452.600	5453.600	5454.600	5455.600	
Doors			1	1	1	1	1	2	
Eyebolts			2	2	2	2	4	4	
Weight (kg)			92.5	169.6	131.8	154.0	146.9	205.4	
Accessories ext	ernal mounting								•
Base/plinth SO	Height 100 mm	1	2865.000	2868.000	2866.000	2856.000	2867.000	2860.000	63
	Height 200 mm	1	2875.000	2876.000	2879.000	2880.000	2885.000	2887.000	63
Base/plinth plate	e, modular SO	1	2907.000	2908.000	2908.000	2913.000	2907.000	2908.000	64
Accessories inte	ernal mounting								
System support	rails PS	2	4361.000	4361.000	4362.000	4362.000	4347.000	4363.000	Cat. 30 899
Cable clamp rail	ls PS	2	4191.000	4191.000	4192.000	4192.000	4336.000	4196.000	Cat. 30 898
Support strips P	S	20	4596.000	4596.000	4598.000	4598.000	4599.000	4596.000	Cat. 30 975
Utility lectern PS	;	1	4638.600	4638.600	4638.800	4638.800	_	4638.600	Cat. 30 951
Wiring plan pock	kets PS	1	4116.000	4116.000	4118.000	4118.000	4124.000	4116.000	Cat. 30 952

Lock systems
Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A – see Cat. 30, page 942 and Ergoform-S lock system – see Cat. 30, page 939



Door with rectangular frame, slotted.



Enclosure with twin rows of holes in all 3 dimensions.



Mounting plate with slide block to guide runner.





Rittal service:

ES stainless steel (1.4301) with protection category NEMA 4x (extension no. .640) available on request.



Accessories:

see page 62 – 69 and page 70/71 or refer to index.

Material:

Stainless steel 1.4301 Enclosure: 1.8 mm Door: 2.0 mm Rear panel: 1.5 mm Mounting plate: Sheet steel 3.0 mm

Surface finish:

Enclosure, rear panel and doors: Brushed, grain 240 Mounting plate: Zinc-plated

Protection category:

IP 56 to EN 60 529/10.91 (for all single-door ES), IP 55 to EN 60 529/10.91 (for all double-door ES), Complies with NEMA 12



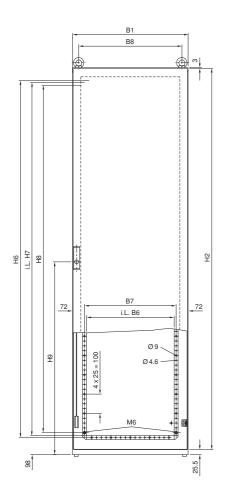
Mounting plate
Also suitable for components
outside of the 25 mm pitch
pattern of holes.
See Cat. 30, page 978.

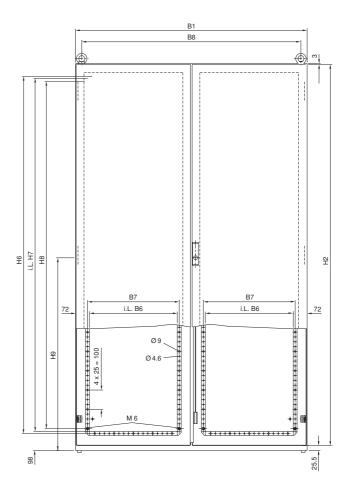


Signal pillarsSimple contact using bayonet connectors.
See Cat. 30, page 1000.

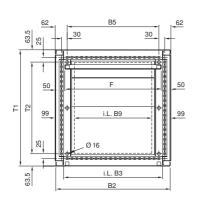


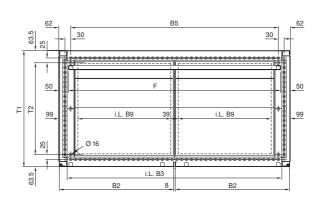
Stainless steel viewing window. Reliable protection for installed components in stainless steel enclosures. See page 69.



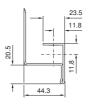


i.L. = Clearance width

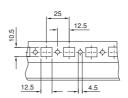




Cross-section

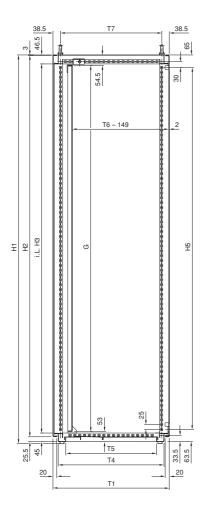


Pitch pattern of holes



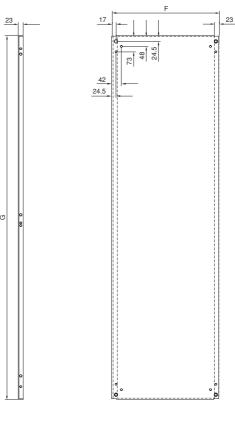
Free-standing enclosures ES 5000

Dimensions in detail



i.L. = Clearance width

Mounting plate



Enclo	sures	Widths								Heig	ghts				Depths					Mour	nt. pl.				
Single-door	Two-door	B1	B2	ВЗ	B5	B6	B7	B8	В9	H1	H2	НЗ	H5	H6	H7	H8	H9	T1	T2	T4	T5	T6	T7	F	G
ES 5450.600		599	592	512	475	455	475	535	401	1610	1575	1512	1475	1450	1430	1400	798	402	275	349	269	349	325	499	1496
ES 5451.600		599	592	512	475	455	475	535	401	1810	1775	1712	1675	1650	1630	1600	898	502	375	449	369	449	425	499	1696
ES 5454.600		999	992	912	875	855	875	935	801	1810	1775	1712	1675	1650	1630	1600	898	402	275	349	269	349	325	899	1696
ES 5452.600		799	792	712	675	655	675	735	601	1810	1775	1712	1675	1650	1630	1600	898	502	375	449	369	449	425	699	1696
ES 5453.600		799	792	712	675	655	675	735	601	2010	1975	1912	1875	1850	1830	1800	998	602	475	549	469	549	525	699	1896
	ES 5455.600	1199	592	1112	1075	455	475	1135	481	2010	1975	1912	1875	1850	1830	1800	998	502	375	449	369	449	425	1099	1896

Enclosure

B1 = overall width

B2 = width of door

B3 = clearance between enclosure frames

B5 = section length of system punchings/hole distance of base and plinth attachment

B6 = clearance between the tubular door frame sections

B7 = distance between the rows of tubular door frame holes

B8 = spacing between eyebolts

B9 = clearance in base aperture

H1 = overall height

H2 = height of rear panel and door

H3 = clearance between enclosure frame sections

H5 = section length of system punchings

H6 = distance between the rows of tubular door frame holes

H7 = clearance between tubular door frame sections

H8 = spacing of tubular door frame fastening bolts

H9 = distance from base to centre of lock

T1 = overall depth

T2 = section length of system punchings/hole distance of base and plinth attachment

T4 = depth of base frame

T5 = clearance in base aperture

T6 = possible installation depth (mounting plate assembly) up to 149 mm, depth-adjustable on a 25 mm pitch pattern

T7 = centre-to-centre distance between eyebolts

Mounting plate

F = overall width

G = overall height



Base / plinth components front and rear

for TS

Material:

Stainless steel 1.4301

Surface finish:

Brushed

Supply includes	Hei	ght
1 set =	100 mm	200 mm
Corner pieces	-	2*
Trim pieces front/rear	2	2

Mounting accessories including 4 screws and M12 nuts for fitting to the enclosure

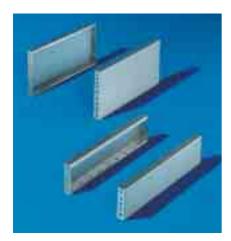
For	Packs	Model	No.TS
enclosure width mm	of	100 mm high	200 mm high
600	1	8701.600	8702.600
800	1	8701.800	8702.800
1200	1	8701.200	8702.200

Order base/plinth components in 1.4404 (AISI 316L), with extension no. .X05. Delivery times available on request.



Accessories:

Trim panels, modular (perforated plate), see page 64.



Base / plinth trim, side

for TS

Installation between the base/plinth components front and rear. For 200 mm height two 100 mm base/plinth trim pieces can be used.

Base/plinth trim pieces (100 mm high) can be installed rotated 90° to stabilise bayed base/plinth components.

Material:

Stainless steel 1.4301

Surface finish:

Brushed

Supply includes:

1 set = 2 base/plinth trim panels including material for attaching the base/plinth components.

	For	Packs	Model	No. TS
	enclosure depth mm	of	100 mm high	200 mm high
	400	1	8701.040	8702.040
	500	1	8701.050	8702.050
ĺ	600	1	8701.060	8702.060

Order base/plinth trim panels in 1.4404 (AISI 316L), with extension no. .0X5. Delivery times available on request.



Accessories:

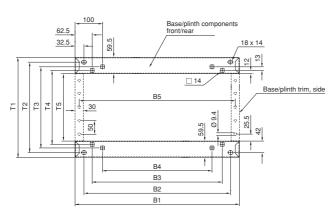
Attachment bolts for base/plinth, see page 64.
Leveling feet, see page 64.



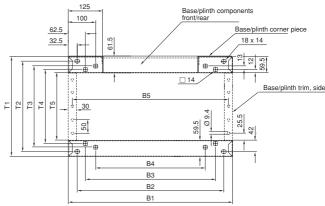
Also required:

Base/plinth baying brackets TS 8601.100, see Cat. 30, page 881, for installation of base/plinth trim components rotated by 90°.

Base/plinth 100 mm high



Base/plinth 200 mm high



Description of the hole pattern

B1/T1 = External dimensions

B2/T2 = For screw fastening in the thread of the enclosure corner piece from below

B3/T3 = For screw fastening via captive nut on the enclosure floor from below or above

All holes (B2 – B4/T2 – T4) can be used for screw fastening on the floor.

Base/pli	Base/plinth components front/rear							Base/plinth trim, side						
Width mm	B1	B2	ВЗ	B4	B5	Depth mm	T1	T2	T3	T4	T5			
600	600	535	475	400	570	400	369	335	300	275	250			
800	800	735	675	600	770	500	469	435	400	375	350			
1200	1200	1135	1075	1000	1170	600	569	535	500	475	450			

^{*} Corner piece with removable trim, for mounting optionally on the front or



Complete base / plinth

Consisting of:
Trim panels front and rear (for height
200 mm with corner pieces and removable trim panel on one side), and removable trim panels.

Material:

Stainless steel 1.4301

Surface finish:

Brushed

Supply includes	Height						
Supply iliciddes	100 mm	200 mm					
Corner pieces		2*					
Trim panels front/rear	2	2					
Trim panels, side	2	4					

Assembly parts including 4 screws and captive nuts M12 for mounting on the enclosure.

Corner pieces with removable trim panel, to be mounted optionally at the front or rear.



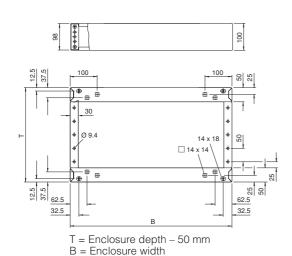
+ Accessories:

Levelling feet, see page 64. Trim panels, modular, see page 64.

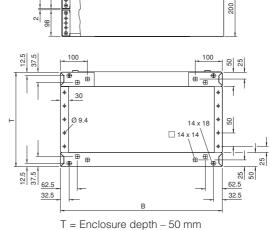
Base/plinth for ES/PC/AP

For end	closures	Model No. SO					
Width mm	Depth mm	100 mm high	200 mm high				
600	400	2865.000	2875.000				
600	500	2868.000	2876.000				
600	600	2855.000	2877.000				
800	400	2869.000	2878.000				
800	500	2866.000	2879.000				
800	600	2856.000	2880.000				
1000	400	2867.000	2885.000				
1200	400	2870.000	2886.000				
1200	500	2860.000	2887.000				

Base/plinth 100 mm high



Base/plinth 200 mm high



B = Enclosure width



Levelling feet

For mounting underneath the base/plinth. For unhindered access e.g. when cleaning the floor and to compensate for floor irregularities.

Max. permissible static load: 400 kg/foot

Adjustment range: M12: 55 mm – 125 mm M16: 45 mm – 120 mm

Material:

Stainless steel 1.4301

Thread	Packs of	Model No. SO
M12	1 set	2889.000
M16	1 set	2890.000

Supply includes:

1 set =

4 levelling feet, 4 mounting plates, incl. assembly parts.

German utility model no. G 94 06 468



Levelling feet, 100 mm high

For mounting on TS and ES enclosures, for easier floor cleaning and to compensate for floor irregularities of ± 15 mm. Height: 100 mm

Max. permissible static load: 350 kg/foot

Material:

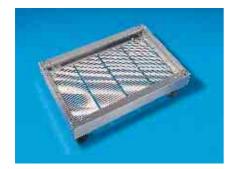
Feet: Brass, nickel-plated Threaded bolts and mounting plates: Stainless steel 1.4301

Packs of	Model No. SO
1 set	2859.000

Supply includes:

- 1 set =
- 4 feet,
- 4 threaded bolts,
- 4 mounting plates,

including assembly parts for the enclosure.



Trim panels, modular

For cable routing in the base/plinth, made from stainless steel, e.g. when using levelling feet (see above).

One perforated plate segment is 175 mm wide. The system punchings are suitable for accommodating cable ties SZ 2597.000 for tidy cable routing.

Material:

Stainless steel 1.4301

Supply includes:

4 perforated plates

For enclosure depth	requ	trim p iired f	per of anels or a g width	jiven	Model No. SO
mm	600 mm	800 mm	1000 mm	1200 mm	
400	3	4	5	6	2907.000
500	3	4	5	6	2908.000
600	3	4	5	6	2913.000

^{*} If the surface is to be completely closed



+ Accessories:

Cable ties,

see Cat. 30, page 1010.



Fastening bolt for base / plinth

Through the clampable fastening bolts, cable clamp rails and standard horizontal C rails can be fitted.

Hexagon section steel. 19 mm across flats

Surface finish:

Zinc-plated, passivated

Supply includes:

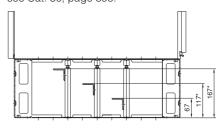
10 fastening bolts

For trim panel height mm	Model No. SZ
100	2819.000
200	2819.200



Accessories:

Cable clamp rail, see Cat. 30, page 898.



^{*} only for a height of 200 mm



Cable entry plates

for TS

For simple and quick cable entry and sealing in combination with:

- Cable entry grommets
- Connector grommets.

These are used instead of segments of the standard divided gland plates.

Material:

Stainless steel 1.4301

Supply includes:

2 or 4 cable entry plates including assembly parts.

Enclosure width mm	Cutouts per plate	Packs of	Model No. TS
600	5	2	8700.600
800	8	2	8700.800
1200	6	4	8700.120

Order cable entry plates in 1.4404 (AISI 316L), with extension no. .XX5. Delivery times available on request.

German patent no. 42 07 281 European patent no. 0560119 with validity for FR, GB, IT, NL Japanese patent no. 2533052 US patent no. 5,422,436



Cable entry grommets

In conjunction with the cable entry plate, for simple, fast sealing of cables inserted into the base area of enclosures.

Material:

Outer cover: Polypropylene Seal: Cellular rubber

Protection category:

IP 55 to EN 60 529/10.91

Cables per grommet	max. Ø mm	Model No. PS
8	13	4316.000
3	21	4317.000
1	47	4318.000

Packs of 25

German patent no. 42 07 281 European patent no. 0560119 with validity for FR, GB, IT, NL Japanese patent no. 2533052 US patent no. 5,422,436



Connector grommets

In conjunction with cable entry plates, for the entry of cables pre-assembled with connectors

Suitable for cable diameters from 8 to 36 mm.

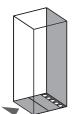
Material:

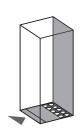
Outer cover: Polypropylene covered with

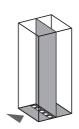
thermoplastic elastomer Seal: Cellular rubber

Packs of	Model No. PS
10	4311.000

German patent no. 40 28 570



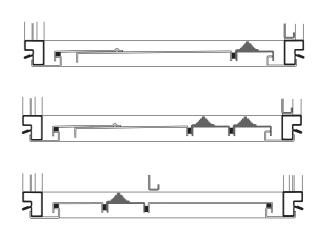




Three examples from a wide range of possibilities

The illustrations show three examples for the positioning of cable entry plates instead of segments of the standard three-part gland plates. In that way a positioning suitable for the mounting plate is possible.

Thanks to the enclosure symmetry, where dimensions permit, cable entry plates may also be inserted in the enclosure depth, right and left, analogous to the gland plates.





Side panels, screw-fastened for TS

To finish a complete enclosure. Easy attachment on the inside vertical enclosure frame member.

Earthing inserts ensure automatic potential equalisation and a higher degree of EMC protection. Earth studs with contact surfaces already included.

Material:

Stainless steel 1.4301, 1.5 mm

Surface finish:

Brushed

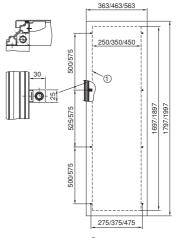
Protection category: IP 55 to EN 60 529/10.91

Supply includes:

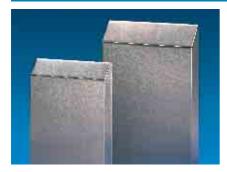
2 side panels, 16 panel holders including assembly parts.

Height mm	Depth mm	Packs of	Model No. TS
1800	400	2	8700.840
1800	500	2	8700.850
2000	600	2	8700.060

To order side panels in 1.4404 (AISI 316L), use the Model No. 8705.XXX. Delivery times available on request.







Hose-proof hoods

for fan-and-filter units

When the hose-proof hood is mounted above the fan-and-filter unit and outlet filter in conjunction with a fine filter mat, a protection category of IP 55 to EN 60529/10.91 is achieved. Particularly suitable for use in the food industry.

Material:

Stainless steel

For fan-and- filter unit	Dimensions in mm	Model No. SK
SK 3321	150 x 260 x 40	3321.800*
SK 3322	176 x 270 x 55	3322.800
SK 3323	233 x 410 x 55	3323.800
SK 3324 SK 3325	282 x 500 x 85	3324.800
SK 3326 SK 3327	350 x 560 x 110	3326.800

^{*} Delivery times available on request.



Conforms to NEMA 3R + 12 in conjunction with fan-and-filter units/outlet filters.



66





Cover for baying (top)

A cover may additionally be clipped over the seal between two enclosures, simply with two end caps. This prevents dirt and liquid from collecting on the baying seal.

Material:

Stainless steel 1.4301 End caps: ABS plastic, black

Surface finish:

Brushed

Supply includes:

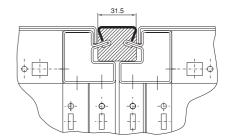
Cover incl. 2 end caps.

May also be fitted in the width with enclosures bayed back to back.

German patent no. 19737667

For enclosure depth mm	Packs of	Model No. TS
400	1	8700.140
500	1	8700.150
600	1	8700.160

Order cover in 14404 (AISI 316L), with extension no. .1X5 Delivery times available on request.











Baying connector, external

for TS

For connecting bayed TS sections from the outside.

Installation:

Simply position on the outside and screwfasten from either inside or outside.

Material:

Stainless steel 1.4301

Supply includes:

Baying connector, including assembly

German patent no. 19737668

Model No.TS
8700.000



Possible alternative:

Baying technology for:

Robust baying connection when transporting bayed enclosures, see Cat. 30, page 912/913.

The installation on site or for provisional siting in the workshop, see Cat. 30, page 914/915.



Torx screw

Special screw for the holes in the enclosure frame. Suited to high stainless steel strength. For use with all enclosure systems with round holes (TS, ES, PC, AP universal consoles).

Supply includes:

1 pack of 300

Model No. SZ	Packs of
2486.300	300





Comfort handle for locking applications

for TS

Prepared for the installation of lock inserts, safety and push-button inserts.

Length: 295 mm

Material:

Die-cast zinc

Surface finish: Matt nickel-plated

Packs of	Model No. TS	
1	8611.330	
	•	



Accessories:

Lock inserts,

safety and push-button inserts, see below.



Lock inserts

For comfort handles and the standard TS lock (in exchange for the standard doublebit lock insert).

Material:

Die-cast zinc

Design	Model No. TS
7 mm square	8611.100
8 mm square	8611.110
6.5 mm triangular	8611.220
7 mm triangular	8611.120
8 mm triangular	8611.130
Screwdriver	8611.140
Daimler	8611.150
Double-bit, 3 mm	8611.160
Fiat	8611.170



Lock and push-button insert

For installation in the comfort handles for lock inserts.

Design	Model No. TS
Lock insert Lock no. 3524 E	8611.180*
Push-button insert	8611.190
Push-button and lock insert, lock no. 12321, no other lock is possible	8611.200*

^{*} with 2 keys





Comfort handle for semi-cylinder

for TS

Prepared for the installation of standard semi-cylinders 40 or 45 mm in length to DIN 18254 and security and push-button inserts.

Length: 302 mm

Material:

Die-cast zinc

Surface finish:

Matt nickel-plated

Packs of	Model No. TS
1	8611.340



Accessories:

Lock and push-button insert, see above.



Lock and push-button inserts

- For installation in

 the comfort handle for semi-cylinder,
- see above,
 Ergoform-S standard,
 see Cat. 30, page 939.

Design	Model No. SZ
Lock insert Lock no. 3524 E	2467.000*
Push-button insert	2468.000
Lock and push- button insert, lock no. 2123; no other lock is possible	2469.000*

^{*} with 2 keys



Hinge 180°

for TS

For retrospective conversion of standard doors with 130° hinges.

Single handed installation:

- Exchange frame-side hinged parts for 180° hinges (4 screws).
- Drill door at the pre-marked points.
- Screw on door-side hinge parts.
- Hang door.
- Push in captive hinge pins.

Material:

Die-cast zinc Hinge pins: Stainless steel

Surface finish:

Matt nickel-plated

Packs of	Model No.TS
4	8701.180

Supply includes:

4 x 180° hinges, including assembly screws. For twin doors, 2 packs units are required.

Note:

Door configurations such as the comfort handle can restrict the door opening angle.

The hinge pins may only be actuated and the door removed with the door open. The hinge cannot be dismantled from the outside with the door closed (access protection).



Hinge 180°

for ES/AP universal consoles

For retro-converting standard stainless steel doors with 130° hinges, including assembly material.

Material:

Stainless steel 1.4301

Packs of	Model No. PS
6	4156.000



Viewing window

The perfect solution for display and control elements in all areas with high hygiene standards. Fitted as standard with internal 130° hinges and all-round seal. The double-bit lock insert may be exchanged for 27 mm lock inserts, design A and Ergoform-S handle SZ 2452.000.

Material:

Stainless steel 1.4301 Single-pane safety glass

Protection category: IP 54 to EN 60 529/10.91

Supply includes:

Viewing window with cam lock, including assembly parts.

Width	Height	Depth	B1	Model No.
mm	mm	mm	mm	FT
522	600	38	408	2793.560
722	600	38	608	2793.760

Other widths and heights available on request.

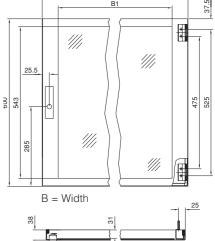


Accessories:

Lock inserts 27 mm, design A, see Cat. 30, page 942. Ergoform-S handle SZ 2452.000,

see Cat. 30, page 939.





More system accessories for perfect, cost-effective configuration of the various stainless steel cases and enclosures can be found in Rittal Catalogue 30.



Page in the catalogue 30

		catalogue 30
	Base / plinth	878 – 890
	Levelling feet Base assembly plate	886/887 886
1988	Base	891 – 901
	Twin castors Gland plates Cable clamps Support rails	891 896 898 899
	Walls	902 – 909
-EEF Box	Divider panels Module plates for connectors	906 – 907 908
	Baying system	910 – 917
	for transport for baying at the installation site	912 – 913 914 – 915
	Door	928 - 935 950 - 953
	Viewing window Operating panels	928 – 932 933
	Door, external Door, internal	934 – 935 950 – 953
	Lock systems	936 – 949
*	Lock systems Hinges	936 – 947 948 – 949

in the Rittal Catalogue 30

Page in the



With the right climate control components, you can significantly reduce the risk of expensive system failures or machine downtime caused by overheating. Heat is still the number one enemy of sensitive microelectronics. Overheating and temperature fluctuations are the most common cause of malfunctions and failures.

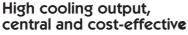
With one of the world's leading project ranges and a comprehensive range of services, including thermal analysis, Rittal offers individual solution concepts to minimize risks and boost productivity.



Air/water heat exchangerFor enclosure cooling in extreme ambient conditions, a combination of recooling systems and air/water heat exchangers offers an effective way of dissipating very high heat loads.

If necessary, the enclosures and piping can be designed in stainless steel.

Useful cooling output from 600 W - 5000 W



Recooling systems

Enclosure cooling, machine and process cooling as well as the cooling of liquids and emulsions can be achieved centrally from one recooling system.

Several items of equipment are easily con-

nected in parallel.





The integral cooling system

- is sure to impress, with its particularly effective cooling
- helps to cut the time spent on assembly
- reduces investment costs for the complete unit

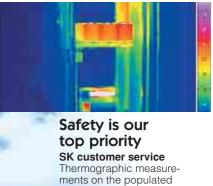
Useful cooling output from 1100 W - 2500 W





It sets standards for the modern unity between enclosure and cooling components, both now and in the future. The cooling unit built into the enclosure door or side panel keeps the enclosure internal temperature at the desired level, irrespective of the ambient temperature. Thanks to two mechanically separate, well-insulated air circuits, the ingress of dust from the environment into the enclosure via the cooling system is prevented.

System benefits





Enclosure surfaces are kept free

Roof-mounted cooling units

Roof mounting means that all enclosure surfaces are kept free for control and display devices. Transportation and escape routes are not obstructed. Depending on the siting conditions and interior installation of the enclosure, we offer flexible air routing for the outer and inner circuits. Control is achieved using a built-in Basic or Comfort controller.

Useful cooling output from 500 W - 4000 W





Effective in every performance category

Wall-mounted cooling units

Whether 225 W useful cooling output for effective heat dissipation of command panels, for example, or 4,000 W for the dissipation of extremely high heat loads, the refrigeration factor of Rittal cooling unit technology demonstrates exceptionally effective use of the power input.

The increased demands on network technology design are met to perfection by the styling, with the option of full installation, partial installation or external mounting. Like the roof-mounted cooling units, the wall-mounted cooling units are also equipped with either Basic or Comfort controllers.

Useful cooling output from 225 W - 4000 W



Risk minimisation through central monitoring

This is achieved particularly effectively, thanks to a combination of Rittal climate control components with central monitoring and control via the CMC.

Temperature limits are perfectly maintained, any potential defects are identified to enable preventive action, and service requirements are notified promptly and organised from a central location.



73

Individual solutions to perfection

System platforms offer cost benefits



At Rittal, even "tailor-made" individual solutions are based on our comprehensive knowledge of system platforms for enclosures and cases.

In other words, the perfection and cost benefits

of mass-produced products are combined with customerspecific designs and features.

The outstanding benefits include perfect quality, significantly lower costs, and precise implementation of customer requirements.

1. Assembly of system accessories





Make use of the versatile opportunities offered by Rittal system accessories! With full internal mounting available ex works.

A service to save you time and money.

2. Modification of standard components



Ideas based on serial products are implemented to perfection ex works:

- Holes and cutouts
- Insertion of acrylic or safety glass windows
- Your logo, sand/bead blasted
- Other surface finishes

Example: Duct alarm box

- AE compact enclosure with rain canopy in sprayfinished stainless steel
- Cutouts with opal plexiglass panels
- Interior case for fire extinguisher and telephone

Material specifications

Germany		Europe	
	German material number	DIN designation	DIN EN designation
1	1.4301 (V2A)	X 5 CrNi 18 10	X 5 CrNi 18 10
2	1.4404	X 2 CrNiMo 17-12-2	X 2 CrNiMo 17-12-2

		USA	
	SAE J 405	AISI	UNS
1	30304	304	S 30400
2	_	316L	_

	UK	France	Italy
	British Standard	AFNOR NF	UNI
1	304 S 15/16/31	Z 5 CN 17-08	X 5 CrNi 18 10
2	316 S 11	Z 3 CND 17-11-02	X 2 CrNiMo 17-12-2

	Sweden	Russia	Japan			
	SS 14	GOST	JIS			
1	2332/2333	08Ch 18 N 10	SUS 304			
2	2348	_	SUS 316L			

	PR of China
	GB
1	0Cr18Ni9(N)
2	00Cr17Ni14Mo2

Rittal material diversity

Apart from stainless steel, we also offer enclosures in the following materials to suit all applications:



Cast aluminium



Sheet aluminium



Sheet steel, electrophoretic dipcoat primed and powder coated



Polycarbonate



Sheet steel with an aluminium zinc surface finish



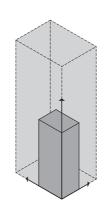
Polyester, fibreglass-reinforced

3. Modified dimensions



Size variants are possible for all stainless steel enclosures on request:

- Enclosure systems TS/ES on a 25 mm pitch pattern
- Enclosure systems without pitch pattern



4. Individual solutions



Table of order numbers

84 - 1 - 1 81 -	
Model No.	Page
1002.600	18
1004.600	18
1005.600	18
1007.600	18
	18
1008.600	18
1010.600	18
1010.600	18
1013.600	18
1014.600	18
1016.600	18
1017.600	18
1018.600	18
1019.600	18
1024.010	22
1024.020	22
1024.030	22
1024.040	22
1024.810	22
1024.820	22
1024.830	22
1024.910	22
1024.920	22
1024.930	22
1521.010	14
1522.010	14
1523.010	14
1524.010	14
1525.010	14
1526.010	14
1558.010	16
1559.010	16
1560.700	27
1561.700	27
1562.700	27
1563.700	27
1564.700	27
1565.700	27
1566.700 1567.700	27 27
1568.700	27
1569.700	27
1570.700	27
1571.700	27
1572.700	27
1573.700	27
1574.700	27
1575.700	27
1576.700	27
1583.010	16
1584.010	16
1585.010	16
1594.000	26
2304.000	24
2361.000	25
2362.000	25
2363.000	25
2433.000	26
2467.000	68
2468.000	68
2469.000	68
2470.000 2471.000	25 25
2471.000	25
2472.000	25

Model No.	Page
2474.000	25
2475.000	25
2486.300	67
2493.000	24
2534.500	24
2583.000	26
2584.000	25
2683.600	42
2684.600	42
2685.600	42
2686.600	42
2688.600	44
2689.600	44
2690.000	49
2691.000	49
2793.560	69
2793.760	69
2819.000	64
2819.200	64
2855.000	63
2856.000	63
2859.000 2860.000	63
2865.000	63
2866.000	63
2867.000	63
2868.000	63
2869.000	63
2870.000	63
2875.000	63
2876.000	63
2877.000	63
2878.000	63
2879.000	63
2880.000	63
2885.000	63
2886.000	63
2887.000	63
2889.000	64
2890.000	64
2907.000	64
2908.000	64
2913.000	64
3321.800	66
3322.800	66
3323.800	66
3324.800 3326.800	66 66
4156.000	69
4311.000	65
4316.000	65
4317.000	65
4318.000	65
4619.660	49
4641.000	48
4642.000	48
4650.000	46
4650.704	46
5450.600	58
5451.600	58
5452.600	58
5453.600	58
5454.600	58
5455.600	58
6143.300	41
C4 40 040	1 44

6143.310

Model No. Page 6535.010 34 6536.010 34 6538.010 34 6538.010 34 66539.010 34 6660.000 36 6660.010 36 6660.020 36 6660.100 36 6660.120 36 6660.210 36 6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6665.500 30 6680.100 30 6680.100 30 6680.000 30 6681.100 30 6682.000 31 6902.960 49 8450.600 54 8455.600 54 8455.600 54 8456		
6536.010 34 6538.010 34 6538.010 34 6539.010 34 6660.000 36 6660.020 36 6660.020 36 6660.100 36 6660.100 36 6660.100 36 6660.100 36 6660.200 36 6660.210 36 6660.210 36 6660.200 38 6663.000 38 6663.000 39 6664.000 37 6664.000 37 6664.500 37 6665.500 40 6670.000 32 6672.000 32 6672.000 32 6680.010 30 6680.110 30 6680.110 30 6681.100 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54 8450.600 54	Model No.	Page
6538.010 34 6539.010 34 6660.000 36 6660.020 36 6660.050 36 6660.100 36 6660.120 36 6660.210 36 6660.220 36 6660.220 36 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6667.000 32 6680.000 30 6680.000 30 6680.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8455.600 54 8456.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 <th>6535.010</th> <th>34</th>	6535.010	34
6539.010 34 6660.000 36 6660.010 36 6660.050 36 6660.100 36 6660.120 36 6660.200 36 6660.210 36 6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.000 37 6665.000 40 6665.500 40 6665.500 40 6665.000 32 6670.000 32 6680.000 30 6680.010 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8455.600 54 8456.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 <th>6536.010</th> <th>34</th>	6536.010	34
6539.010 34 6660.000 36 6660.010 36 6660.050 36 6660.100 36 6660.120 36 6660.200 36 6660.210 36 6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.000 37 6665.000 40 6665.500 40 6665.500 40 6665.000 32 6670.000 32 6680.000 30 6680.010 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8455.600 54 8456.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 <th>6538.010</th> <th>34</th>	6538.010	34
6660.000 36 6660.010 36 6660.020 36 6660.050 36 6660.100 36 6660.110 36 6660.120 36 6660.200 36 6660.210 36 6660.210 36 6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6670.000 32 6672.000 32 6672.000 32 6680.010 30 6680.110 30 6680.110 30 6681.100 30 6681.100 30 6681.000 30 6681.000 54 8450.600 54 8451.600 54 8455.600 54 8455.600 54 8455.600 54 8455.600 54 8457.600 54 86611.10 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68		
6660.010 36 6660.020 36 6660.050 36 6660.100 36 6660.110 36 6660.120 36 6660.210 36 6660.220 36 6660.200 38 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 30 6670.000 32 6670.000 32 6680.000 30 6680.010 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 <th></th> <th></th>		
6660.020 36 6660.050 36 6660.100 36 6660.110 36 6660.120 36 6660.210 36 6660.220 36 6660.220 36 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6665.500 32 6670.000 32 6680.000 30 6680.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 <th></th> <th></th>		
6660.050 36 6660.100 36 6660.110 36 6660.120 36 6660.210 36 6660.220 36 6660.220 36 6660.200 38 6663.400 39 6664.000 37 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 30 6672.000 32 6680.000 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		
6660.100 36 6660.110 36 6660.120 36 6660.210 36 6660.220 36 6660.220 36 6660.200 38 6663.000 39 6664.000 37 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 32 6670.000 32 6680.000 30 6680.010 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.020	
6660.110 36 6660.200 36 6660.210 36 6660.220 36 6660.220 36 6660.220 36 6663.000 38 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6665.500 32 6672.000 32 6680.000 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.050	36
6660.120 36 6660.200 36 6660.210 36 6660.220 36 6660.220 36 6663.000 38 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6667.000 32 6672.000 32 6680.000 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.100	36
6660.200 36 6660.210 36 6660.220 36 6660.220 36 6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 30 6680.000 30 6680.010 30 6680.110 30 6680.110 30 6681.100 30 6681.100 30 6681.000 54 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8455.600 54 8457.600 54 8457.600 54 8457.600 54 8457.600 54 8457.600 54 8611.100 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68 8611.110 68	6660.110	36
6660.210 36 6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6667.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.120	36
6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6667.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.200	36
6660.220 36 6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.500 40 6665.500 40 6665.500 40 6667.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.210	36
6663.000 38 6663.400 39 6663.500 39 6664.000 37 6664.100 37 6665.000 40 6665.500 40 6665.500 40 6667.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6660.220	36
6663.400 39 6663.500 39 6664.000 37 6664.500 37 6665.000 40 6665.500 40 6665.500 40 6667.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		
6663.500 39 6664.000 37 6664.100 37 6664.500 37 6665.000 40 6665.500 40 6670.000 32 6670.000 32 6680.000 30 6680.100 30 6681.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8453.600 54 8455.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		
6664.000 37 6664.100 37 6664.500 37 6665.000 40 6665.500 40 6665.500 40 6670.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		
6664.100 37 6664.500 37 6665.000 40 6665.500 40 6665.500 40 6670.000 32 6672.000 32 6680.000 30 6680.100 30 6681.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		
6664.500 37 6665.000 40 6665.500 40 6665.500 40 6670.000 32 6672.000 32 6680.010 30 6680.100 30 6681.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		37
6665.000 40 6665.500 40 6670.000 32 6670.000 32 6680.000 30 6680.100 30 6680.100 30 6681.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8455.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6664.100	37
6665.500 40 6670.000 32 6672.000 32 6680.000 30 6680.100 30 6680.110 30 6681.000 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8452.600 54 8453.600 54 8455.600 54 8455.600 54 8457.600 54 8457.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10	6664.500	37
6670.000 32 6670.000 32 6680.000 30 6680.010 30 6680.100 30 6680.110 30 6681.000 30 6681.000 30 6681.000 30 6681.000 31 6902.960 49 8450.600 54 8451.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.600 54 8451.100 68 8611.100 68	6665.000	40
6672.000 32 6680.000 30 6680.010 30 6680.100 30 6680.110 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8455.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 <t< th=""><th>6665.500</th><th>40</th></t<>	6665.500	40
6680.000 30 6680.010 30 6680.100 30 6680.110 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.20 <td< th=""><th>6670.000</th><th>32</th></td<>	6670.000	32
6680.000 30 6680.010 30 6680.100 30 6680.110 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.20 <td< th=""><th>6672,000</th><th>32</th></td<>	6672,000	32
6680.010 30 6680.100 30 6680.110 30 6681.000 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.20 <td< th=""><th></th><th>-</th></td<>		-
6680.100 30 6680.110 30 6681.000 30 6681.100 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10		
6680.110 30 6681.000 30 6681.100 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.30 68 8611.30 68 8611.30 6		
6681.000 30 6681.100 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8456.600 54 8457.600 54 8457.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.30 68 8611.30 68 8611.30 6		
6681.100 30 6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.30 68 8611.30 68 8611.20 68 8611.30 68 8611.30 68 8611.30 68<		
6682.000 31 6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.10 68 8611.30 68 8611.30 68 8611.20 68 8611.30 68 8611.30 68 8611.30 68 </th <th>6681.000</th> <th>30</th>	6681.000	30
6902.960 49 8450.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8457.600 54 8611.100 68 8611.100 68 8611.110 68 8611.120 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.190 68 8611.200 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.160 67 8700.800 65 8700.840 66 8700.850 66	6681.100	30
8450.600 54 8451.600 54 8451.600 54 8452.600 54 8453.600 54 8455.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.190 68 8611.190 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.600 65 8700.840 66 8700.850 66	6682.000	31
8451.600 54 8452.600 54 8453.600 54 8454.600 54 8455.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.190 68 8611.190 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	6902.960	49
8452.600 54 8453.600 54 8453.600 54 8454.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.190 68 8611.200 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8450.600	54
8452.600 54 8453.600 54 8453.600 54 8454.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.190 68 8611.200 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8451.600	54
8453.600 54 8454.600 54 8455.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.800 65 8700.840 66 8700.850 66	8452.600	54
8454.600 54 8455.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.800 65 8700.840 66 8700.850 66		
8455.600 54 8456.600 54 8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.200 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.800 65 8700.840 66 8700.850 66		
8456.600 54 8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.200 68 8611.200 68 8611.200 68 8611.330 68 8611.340 68 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		
8457.600 54 8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.200 68 8611.200 68 8611.200 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		
8611.100 68 8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.230 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		
8611.110 68 8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.200 68 8611.200 68 8611.330 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		-
8611.120 68 8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.200 68 8611.200 68 8611.340 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		
8611.130 68 8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.200 68 8611.200 68 8611.340 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.160 67 8700.800 65 8700.840 66 8700.850 66		68
8611.140 68 8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.200 68 8611.200 68 8611.300 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8611.120	68
8611.150 68 8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8611.130	68
8611.160 68 8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8611.140	68
8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8611.150	68
8611.170 68 8611.180 68 8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8611.160	68
8611.180 68 8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		68
8611.190 68 8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		68
8611.200 68 8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66		
8611.220 68 8611.330 68 8611.340 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.160 67 8700.800 65 8700.840 66 8700.850 66		
8611.330 68 8611.340 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.160 67 8700.800 65 8700.840 66 8700.850 66		
8611.340 68 8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.160 67 8700.800 65 8700.840 66 8700.850 66		
8700.000 67 8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.160 67 8700.800 65 8700.840 66 8700.850 66		68
8700.060 66 8700.120 65 8700.140 67 8700.150 67 8700.160 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8611.340	68
8700.120 65 8700.140 67 8700.150 67 8700.160 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8700.000	67
8700.140 67 8700.150 67 8700.160 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8700.060	66
8700.150 67 8700.160 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8700.120	65
8700.160 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8700.140	67
8700.160 67 8700.600 65 8700.800 65 8700.840 66 8700.850 66	8700.150	67
8700.600 65 8700.800 65 8700.840 66 8700.850 66		
8700.800 65 8700.840 66 8700.850 66		
8700.840 66 8700.850 66		
8700.850 66		
8701.040 62		
	8/01.040	
8701.050 62		

Model No.	Page
8701.060	62
8701.180	69
8701.200	62
8701.600	62
8701.800	62
8702.040	62
8702.050	62
8702.060	62
8702.200	62
8702.600	62
8702.800	62
8800.900	49

A			F			R	
Accessories - Compact enclosures - Human/machine interface - Large enclosures AE Compact enclosures Assembly parts for support arm	24 - 48 - 62 -	- 49	Fastening bolt for base/plinth Free-standing enclosures ES 5000 Detailed drawings		64 58 60	Rain canopies for AE Rear panel holder for Premium Panel Reinforcement for enclosures – Enclosure reinforcement Roof – Rain canopies for AE	25 31 41 25
В			Gland plates - Cable entry plates		65	S	
Base plate for pedestal Base/plinth Baying connector, external Baying system, internal Baying systems Baying systems TS 8 - Detailed drawings Bus enclosures BG	62 -	41 - 63 67 70 54 56 16	Handles Hinge 180° Hood for fan-and-filter units Hose-proof hoods Housing coupling Human/machine interface – Accessories	28 - 48 -		Screw, Torx Semi-cylinder lock Shelf - Component shelf, pull-out - Component shelf, static installation - for PC workstation Side panels, screw-fastened Support arm system Support section Swivel base mount	67 24 49 48 66 - 40 36
Cable entry grommets Cable entry plates Cam lock Clip-down handle - Comfort handle Comfort handle - for locking applications - for semi-cylinder Command panels Compact enclosures - Accessories Compact enclosures AE - Dimensions in detail Component shelf, pull-out Component shelf, static installation Connector grommets Consoles Cover for baying (top) Cover for fan-and-filter units			Keyboard drawer Keyboard housing Large enclosures - Accessories Levelling feet Lock - for semi-cylinder Lock and push-button insert Lock cover Lock inserts	50 - 62 -		Terminal boxes KL Terminal boxes Premium Line KL Tilting adaptor, 10° Torx screw Trim panel – Trim panels, modular TS 8 baying systems TS baying systems – Detailed drawings TS enclosures, bayable TS hinge 180° Tube – Support section	14 22 37 67 64 54 54 69 36 36
D			M			Universal consoles AP	44
Desk section Detailed drawings - Baying systems TS 8 - Compact enclosures AE - Free-standing enclosures ES 500 Door handles Drawer - Component shelf, pull-out	00	49 56 20 60 68 49	Mobile PC workstation Mounting bracket Mounting for support arm Mounting plate Mounting plates for KL	37 -	48 22 - 38 22 27	Viewing window	69
Keyboard drawer		49	One-piece consoles AP Operating and keyboard housing Operating housing		42 30 34	Wall angle Wall bracket Wall mounting bracket Wall/base mounting, rigid Wall-mounted enclosures - with cover screwed	26 40 26 38
Enclosure attachment Enclosure connector - Baying connector, external Enclosure reinforcement Enclosure systems - ES		37 67 41 58	PC - Enclosure systems - Redectal base plate small		46	Walls - Side panels, screw-fastened Windows - Viewing window	- 19 66 69
- PC - TS		46 54	Pedestal base plate, small Pedestal, modular, small Pole clamp Premium Line KL Premium Panel		41 41 25 22 30	Wiring lecterns 42	– 45

Rittal international

Germany
Rittal GmbH&Co.KG
Postfach 1662
Postfach 1662
Postfach Herborn
Tel.: +49 (2772) 505-0
Fax: +49 (2772) 505-2319
email: info@rittal.de
www.rittal.com

Argentina

Argentina
Racklatina S.A.
Av. Pedro B.
Palacios 81 – 85
1704, Ramos Mejía
Buenos Aires
Tel:: +54(11)4656-3231
Fax: +54(11)4656-2323 email: rack@sion.com

Australia

Australia Rittal Pty. Ltd. 130 – 140 Parraweena Rd. Taren Point. 2229 N.S.W Tel.: +61(2) 95252766 Fax: +61(2) 95255302 Free Call 1800350665 email: info@rittal.com.au

Austria

Rittal-Schaltschränke Hittal-Schaltschränke Ges.m.b.H. Laxenburger Straße 246a A-1239 Wien Tel.: +43(1) 61009-0 Fax: +43(1) 61009-21 email: info@rittal.at

Rahrain

Please contact Rittal Middle East FZE Dubai/U.A.E.

Belarus

Belarus Netexpert Volocha Str. 1 of 310 220036 Minsk Tel.: +375 (172) 862003 Fax: +375 (172) 566515

Belgium Rittal nv/sa Industrieterrein E17/3 Stokkelaar 8 B-9160 Lokeren Tel.: +32(9) 3539111 Fax: +32(9) 3556862 email: info@rittal.be

Bosnia-Herzegovina

SYS Company d.o.o. Sibenska b.b. BiH-71000 Sarajevo Tel.: +387/33/277090 Fax: +387/33/230557 email: sys@sys.ba

Brazil Rittal Sist. Eletrom. Ltda. Av. Cândido Portinari, nr. 1.174 VI Jaguara 05114-001 São Paulo-SP Tel.: +55(11) 36222377 Fax: +55(11) 36222399 email: info@rittal.com.br

Bulgaria RITTBUL Ltd. 56 Gorski patnik Str. Office 5 BG-1421 Sofia Tel:. +359(2) 651066 Fax: +359(2) 9632516 email: bojkov@rittbul.bg

Canada

Rittal Systems Ltd. 7320 Pacific Circle Mississauga, Ontario L5T 1V1 Tel.: +1(905) 7950777 Fax: +1(905) 7959548 email: rittal.systems@rittal.ca

Chile

AMMY S.A. Camino El Cerro 5090 Casilla 241-V C21 Huechuraba Santiago Tel.: +56(2) 7400102 Fax: +56(2) 7401065 email: ammysa@entelchile.net

China
Rittal Electrical Equipment
(Shanghai) Co. Ltd.
No. 353, Ri Ying North Road
P. R.China
Shanghai, 200131
Tel:. +86(21) 50461671
Fax: +86(21) 50461990 marketing@rittal.com.cn

marketing@rittal.com.cn
Colombia
COLSEIN Ltda.
Medición y Automatización
Calle 82 No. 5 - 48
Apartado Aereo 55479
Santafé de Bogotá,
D.C. Columbia
Tel.: +57(1) 6102674
Fax: +57(1) 610268
email: info@colsein.com.co

Costa Rica

de la agencia del Banco de Costa Rica San José Tel.: +506(296)1060 Fax: +506(232)6071

Technoshell D.O.O. Av. V. Holjevca 20/III 10020 Zagreb Tel./Fax: +385/1/6553-547 email: technoshell@zg.tel.hr

Cyprus
Christos Charalambous
& Sons Ltd.
9 – 11 Zanettos Street
P.O. Box 1268 Nicosia Tel.: +357/27720 55 Fax: +357/24581 97 chchara@spidernet.com.cy

Czech Republic Rittal Czech, s.r.o. Ke Zdibsku 182 250 66 Zdiby u Prahy Tel.: +420234099000 Fax: +420234099099 email: info@rittal.cz

Denmark

Duelco a/s
Holtvej 10
Hoeruphav
6400 Soenderborg
Tel.: +45-74 415284
Fax: +45-74 415209
email:
soenderborg@duelcy soenderborg@duelco.dk

Dubai/U.A.E.
Rittal Middle East FZE
Warehouse GC2
P.O.Box 17 599
Jebel Ali Free Zone – Dubai
U.A.E. Tel.: +971(4) 8834131 Fax: +971(4) 8834244 email: info@rittal-middle-east.com

Egypt Rittal Egypt S.A.E. 45, Gamiat Al Dewal Al Arabia St. Mohandesine, Giza Tel.: +2(012) 74 28 012 Fax: +2(02) 74 82 276

Finland

Rittal Oy Valimotie 35 PL 134 PL 134 01510 Vantaa Tel.: +358 9 4134400 Fax: +358 9 41344410 email: info.keskus@rittal.fi

France
Rittal France SAS
880, rue Marcel Paul
Z.A. des Grands Godets
94507 Champigny
sur Marne Cedex
Tel.: +33(1) 49836000
Fax: +33(1) 49838206
email: info@rittal.fr

France-Fast

Sermes S.A. 14, rue des Frères Eberts Boîte Postale 177 67025 Strasbourg-Cedex Tel.: +33(3) 88407200 Fax: +33(3) 88407249 email: appareillage@sermes.fr

Great Britain

Hittal Limited
Braithwell Way
Hellaby Industrial Estate
Hellaby
Rotherham
S Yorks S668QY Tel.: +44(1709) 704000 Fax: +44(1709) 701217

email: information@rittal.co.uk

Greece RITTAL EPE Thessalonikis 98 14342 Nea Philadelphia, Athen Tel.: +30/210/27 17 975

976 Fax: +30/210/27 12 398

Guatemala INTEK Ingeniería y Tecnología Via 5 y Ruta 3, Zona 4 Esquina 01004 Guatemala, C.A. Tel.: +50(2) 3321489 3324336 Fax: +50(2) 3344338

Hong Kong Ranger Enterprise Co. Ltd. Units A-B, 8/F, Block 1 Tai Ping Industrial Center 57 Ting Kok Road Tai Po, N. T. Hall Po, N. 1. Hong Kong Tel.: +852 24208928 Fax: +852 24949228 email: sales@ranger.com.hk

Hungary

Hungary
Rittal Kereskedelmi Kft.
Ipari Park u.1.
1044-Budapest
Tel.: +36(1) 3998000
Fax: +36(1) 3998009 email: rittal@rittal.hu

Iceland

Smith & Norland h/f Nóatúni 4 P.O.Box 519 121 Reykjavík Tel.: +354 520 3000 Fax: +354 520 3011 email: sminor@sminor.is

Rittal India Pvt. Ltd. Nos. 23 & 24 Kiadb Industrial Area Industrial Area Veerapura Doddaballapur Bangalore 561203 Tel.: +91(80) 7623343 Fax: +91(80) 7623343

email: info@rittal-india.com

Indonesia PT Dwitama Beta Perdana JI. R. S. Fatmawati No. 20 Blok II/209 Biok 11/209 Jakarta 12430 Tel.: +62(21) 7692834 Fax: +62(21) 75908481 email: dbp@centrin.net.id

Ireland Rittal I td.

Unit 4C M7 Business Park, Newhall, Naas Co Kildare

Ireland Tel.: +353(45)896884 Fax: +353(45)896890 email: sales@rittal.ie

Israel Rittal Enclosure Systems Ltd. 15, Hátarshish St. Zone 29 P.O. Box 3597 Industrial Park Caesarea 38900 Tel.: +972(4) 6275505 Fax: +972(4) 6275535

Italy Rittal S.p.A. S.P. n.14 Rivoltana-Km 9,5 20060 Vignate (MI) Tel.: +39(02) 9593 01 Fax: +39(02) 9536 0209 email: Info@rittal.it

Japan

Japan Rittal K.K. 1438-1 Shimonohara Nishi-izumida Sakai-machi, Sashima-gun Ibaraki 306-0431 Tel.: +81(280) 875120 Fax: +81(280) 875108 email: hotline@rittal.co.jp

Please contact Rittal Middle East FZE Dubai/U.A.E.

Kuwait

Please contact Rittal Middle East FZE Dubai/U.A.E. Lebanon

Please contact Rittal Middle East FZE Dubai/U.A.E.

Lithuania
Rittal UAB
Meistru 8
2038 Vilnius
Tel.: +370/52306669
Fax: +370/52306665
email: info@rittal.lt

Luxembourg D.M.E. s.a.r.l. Distribution de matériel électrique Z.A.R.E. Ouest 4384 Ehlerange Tel.: +352-574344 Fax: +352-574357 email: dme@dme.lu

Macedonia

wacedonia SiskonSystemEngineering Taskenska 4A MK-91000 Skopje Tel.: +389/91/362423 Fax: +389/91/361250 email* siskon@lotus.mpt.com.mk

Malaysia

Rittal Systems Sdn. Bhd. No. 5 Jalan 4/118C Desa Tun Razak 56000 Cheras Tel.: +60(3)-91736488 Fax: +60(3)-91736499 email: sales@rittal.com.my

emaii: sales@rittal.com.m Mexico Itital, S.A. de C.V. Prol. 5 de Mayo No. 29 Parque Industrial Naucalpan de Juarez Estado de México 53489 México Tel.: +52(55) 5300-2570 Fax: +52(55) 5300-04 95 emaii: info@rittal.com.mx

Société marocaine de Societe marocaine de réalisations industrielles 109, Rue Abou Ishak El Marouni 20110 Casablanca Tel.: +212-225 94 90 Fax: +212-223 77 08 email: smri@elan.net.ma

Netherlands Rittal bv Hengelder 56 Postbus 246 6900 AE Zevenaar Tel.: +31(316) 591911 Fax: +31(316) 525145

New Zealand

Rew Zealand Rittal Ltd. 5 Pretoria Street P.O. Box 30-453 Lower Hutt Wellington Tel.: +64(4) 5667630 Fax: +64(4) 5669219

Norway Rittal AS Postboks 79 Stovner Luhrtoppen 2 0913 Oslo Tel.: +47-67912320 Fax: +47-67912323 email: rittal@rittal.no

Oman

Please contact Rittal Middle East FZE Dubai/U.A.E.

Peru CE-YE-SA Ingenieria Electrica Av. Enrique Meiggs 255 – 257 Parque Internacional de Industria y Comercio Callao Tel.: +51(1) 4517936 Fax: +51(1) 4517272

Philippines
Enclosure Systems
Specialist Incorporated
G/F, GE Phils Building
2291 Pasong Tamo
Extension
Makati City 1231
Philippines Philippines Tel.: +63(2) 8138580 Fax: +63(2) 8138596 email: gardex@ibm.net

Poland

Rittal Sp. z o.o. Ul. Królewska 6 05-825 Grodzisk Maz % Tel.: +48(22) 7242784 Fax: +48(22) 7240852 email: rittal@rittal.com.pl

Portugal RITTALSIS-Sistemas HITTALSIS-Sistemas
Electricos e Electronicos
Unipersonal Lda.
Z.I. Rio Meao/Apdo. 434
4520-907 Rio Meao.
Sta Ma da Feira
Tel.: +351256780210
Fax: +351256780219 email: info@rittal.pt

Please contact Rittal Middle East FZE Dubai/U.A.E.

Republic of Slovakia Rittal s.r.o. Plynárenská 1 SK-82109 Bratis Tel.: +421(2) 5363 0651 Fax: +421(2) 5363 0951 email: rittal@rittalsro.sk

Romania Homania Cubrit s.r.l. Sos. Chitilei, no. 114 Sector 1 – Bucharest Romania Tel./Fax: +40/21/3129497 email: office@cubrit.ro

Russia

Rittal OOO Letchika Babushkina 1a 129344 Moscow Tel.: +7(095) 7750230 Fax: +7(095) 7750239 email: info@rittal.ru

Saudi Arabia

Saudi Arabia
A. Abunayyan Electric
Corp.
King Abdulaziz Street
P.O. Box 321
Riyadh 11411 Hiyadn 11411 Kingdom of Saudi Arabia Tel.: +966(1) 4779111 Fax: +966(1) 4793312 email: aec-salesmarketing@ abunayyangroup.com

Singapore Rittal Pte. Ltd. 7 Loyang Street Loyang Industrial Estate Singapore 508842 Tel.: +65-65426818 Fax: +65-65426833 email: sales@rittal.com.sg

Slovenia

Rittal d.o.o. Hittal d.o.o. Smartinska 152 SLO-1533 Ljubljana Tel.: +386/1/5466370 Fax.:+386/1/5411710 email: info@rittal.si

email: intownitial.si

South Africa
Controp Rittal (Pty) Ltd.
123, Terrace Road
Sebenza
P.O. Box 462
Edenvale, 1610
Tell.: +27(11) 609-8294
Fax: +27(11) 452-5816 email: enclosures@ controprittal.co.za

South Korea

Rittal Co. Ltd. 1 NA 509 Sihwa-Gongdan 1254-8 Jeungwang-Dong Sihung-Shi, Gyeonggi-Do Korea 429-450 Tel:: +82(031) 499-5961~3 Fax: +82(031) 499-5961 or kr email: rittal@rittal.co.kr

Spain Rittal Disprel, S.A. Mas Baiona, 40 Polígono Industrial Can Roqueta 08202 Sabadell (Barcelona)
Tel.: +34(93) 7001300
Fax: +34(93) 7001301
email: info@rittal.es S.R. Vietnam

ESACO Ltd.
15 – 17 Tran Quoc
Taho Street
District 3
Hochiminh City
Socialist Republic
of Viatnam of Vietnam Tel.: +84(8) 9303580 Fax: +84(8) 9303193 email: esaco@hcm.vnn.vn

Sweden

Sweden Rittal Scandinavian ab 26273 Ängelholm Tel.: +46(431) 442600 Fax: +46(431) 442637 email: info@rittal.se

Switzerland Switzerland
Rittal AG
Ringstrasse 1
5432 Neuenhof
Tel.: +410564160600
Fax: +410564160666
email: rittal@rittal.ch

Please contact Rittal Middle East FZE Dubai/U.A.E.

Taiwan

Taiwan
Rittal Systems Taiwan Ltd.
13 – 1 Fl., No. 87,
Wen Hua 3rd Rd.
Kuei Shan
Taoyuan Hsien Taiwan Tel.: +886 (3) 397-1745 (3) 327-8871 Fax: +886 (3) 397-2019 email: sales.inform@rittal.com.tw

Thailand

Thailand Rittal Ltd. 101 Soi 7, Saeree 7 Rama 9 Road Kwaeng Suanluang Khet Suanluang Bangkok 10250 Tel.: +66 (2) 7183299 Fax: +66 (2) 7183299 Fax: +66 (2) 7183298 email: info@rittal.co.th

Turkey STOKS Ltd. STOKS Ltd. Zümrütevier Mah. Visne Sok. No: 5 81530 Maltepe Istanbul/Turkey Tel.: +90(2 16) 4417009 4515739 Fax: +90(2 16) 4591290 email: emaii: gsavas@stoks.com.tr

Ukraine Advanced Network Technology Scherbakova Str. 37 04111 Kiev Tel.: +38(44) 495 11 36 Fax: +38(44) 443 95 22

USA

Rittal Corporation Hittal Corporation
One Rittal Place
Springfield, OH 45504
Tel.: +1(937) 399-0500
Fax: +1(937) 390-5599
email: rittal@rittal-corp.com

Uzbekistan

Vaytov Ltd. UI. Matbuotschilar 32 700047 Taschkent Tel.: +9 98/71-132 08 56 Fax: +9 98/71-132 08 59

Venezuela

EMI Equipos y sistemas C. A. Edificio Centro Cyanamid, P.B. Calle 1 – 2 La Urbina – 1073 Caracas Tel.: +58(212) 2436401 5072 Fax: +58(212) 243 6401

YemenPlease contact
Rittal Middle East FZE
Dubai/U.A.E.

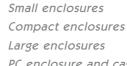
Yugoslavia Vesimpex d.o.o. Petra Konjovica 12 v 11090 Beograd Tel./Fax: +381/11/35 10 683 info@vesimpex.co.yu

79

Global Rittal. Worldwide service.



Industrial enclosures



PC enclosure and case systems

Console systems

Industrial Workstations

Command panel systems

Stainless steel enclosures and support arm systems

EMC shielding enclosures

Ex enclosures



Electronic packaging



System climate control



Power distribution



IT solutions



Communication systems

Rittal has one of the largest ranges of enclosures available for immediate delivery. However, Rittal also supplies integral solutions at a high level – up to Level 4. Fully assembled and functional, according to your specific requirements. Wherever your location.

The global alliance between production, distribution and service guarantees customer proximity. World-wide!

Wherever in the world you develop and implement solutions for yourself and your customers, we are close at hand.

Rittal GmbH & Co. KG P.O. Box 1662 D-35726 Herborn

Telephone: +49(0)2772 505-0 Telefax: +49(0)2772 505-2319

eMail: info@rittal.de www.rittal.com