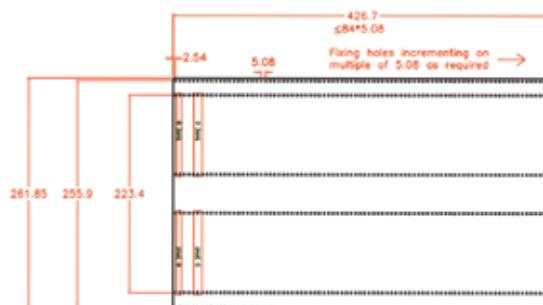
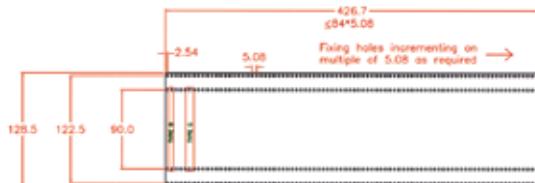
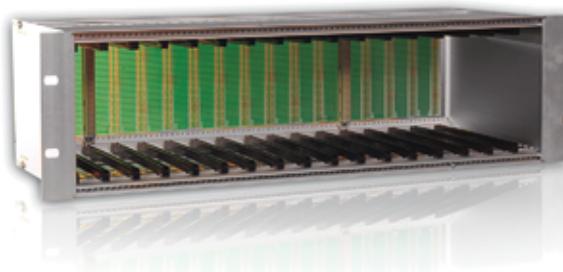




19" SUBRACKS

● MOUNTING DIMENSION:

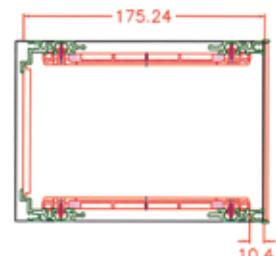
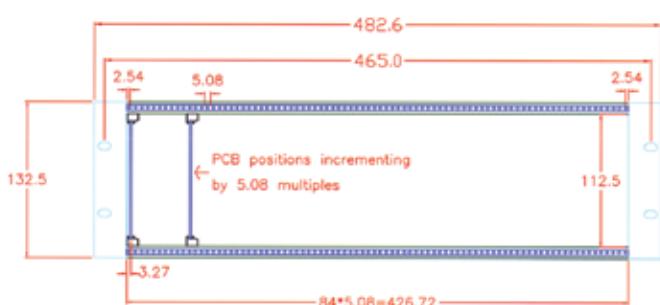
- The subrack system is fully compatible with IEC 297 section 3.
- All plug-in units are modular in concept and based on the first card position being 3.27 from the left hand datum line of working aperture; subsequent card positions are on multiples of 5.08 mm(1HP) from the first card position.
- To allow for a uniform working clearance between front panels the physical overall width of front panels is 0.4 mm less than the nominal HP x 5.08 mm dimensions quoted.
- The system is designed to accommodate indirect connector manufactured to the IEC 130-4 , DIN 41612, and VG 95324.



● **EUCARD- CRITICAL DIMENSIONS:**

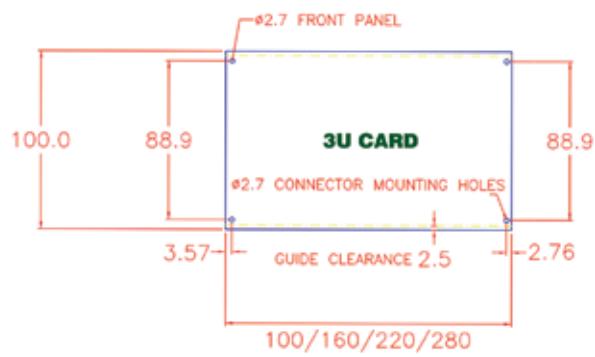
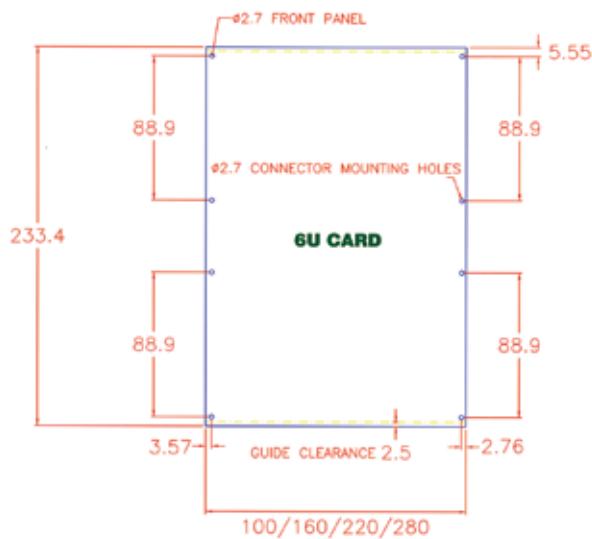
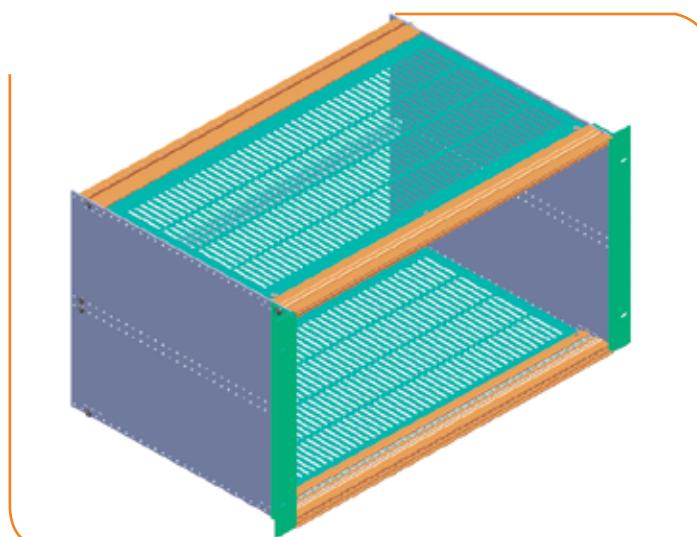
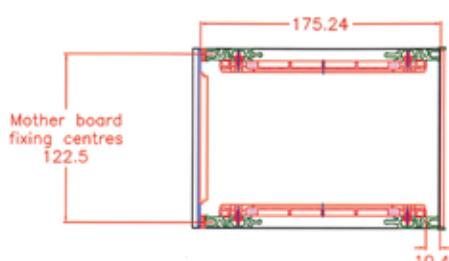
- As with the rest of the system the printed circuit boards sizes are standardized .
 - All PCBs should be of euro card size and conform to the layout shown below.
 - A 2.5 mm wide border is necessary at the top and bottom of printed circuit boards to allow clearance for guides and for mounting into plug-in unit guide rails.
 - On the double height Eurocard, owing to the overall size and position of the connectors, it is recommended that when fitting components to the front panels the grid as laid out below is adopted. This will allow consistency between 3U and 6U height front panels if mixed configurations are utilized.

19" Subracks



For direct mounting of
DIN 41612 connectors

Connector for DIN 41612 types BCDMQRS
for types FGUV add 10mm



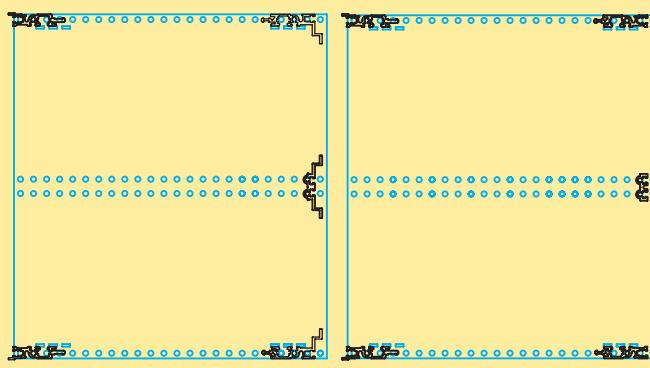


U	Installation Width(HP)	Installation Width(HP)	Without z rail Order No.	With z rail Order No.
2	42	100		
		160		
		220		
		280		
2	63	100		
		160		
		220		
		280		
2	84	100		
		160		
		220		
		280		
3	42	100		
		160		
		220		
		280		
3	63	100		
		160		
		220		
		280		
3	84	100		
		160		
		220		
		280		
4	42	100		
		160		
		220		
		280		
4	63	100		
		160		
		220		
		280		
4	84	100		
		160		
		220		
		280		
5	42	100		
		160		
		220		
		280		
5	63	100		
		160		
		220		
		280		
5	84	100		
		160		
		220		
		280		

U	Installation Width(HP)	Installation Width(HP)	Without z rail Order No.	With z rail Order No.
6	42	100		
		160		
		220		
		280		
6	63	100		
		160		
		220		
		280		
6	84	100		
		160		
		220		
		280		
7	42	100		
		160		
		220		
		280		
7	63	100		
		160		
		220		
		280		
7	84	100		
		160		
		220		
		280		
9	42	100		
		160		
		220		
		280		
9	63	100		
		160		
		220		
		280		
9	84	100		
		160		
		220		
		280		

With Z Rail

Without Z Rail





● Side panels for subrak

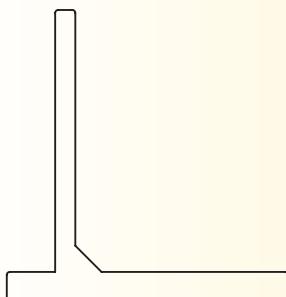
Material:
2.5 mm aluminum plate
A= height
B= depth

U	A	B	Order no.
3	130.5	180	
		240	
		300	
4	175	180	
		240	
		300	
5	219.4	180	
		240	
		300	
6	263.9	180	
		240	
		300	

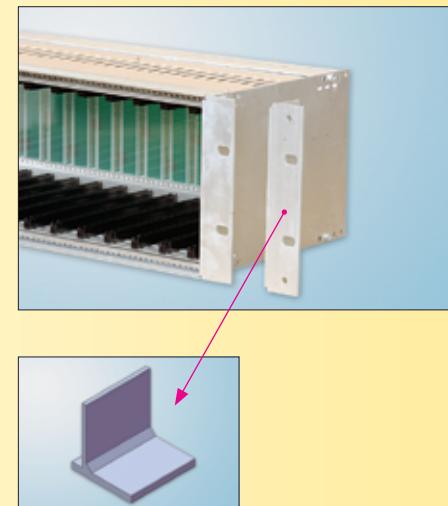


● Mounting flanges

For front or rear fitting to the side panel
material: extruded aluminum



U	H (mm)	order no. without handle hole	order no. with handle hole
2	88		
3	132.5		
4	177		
5	221.4		
6	265.9		

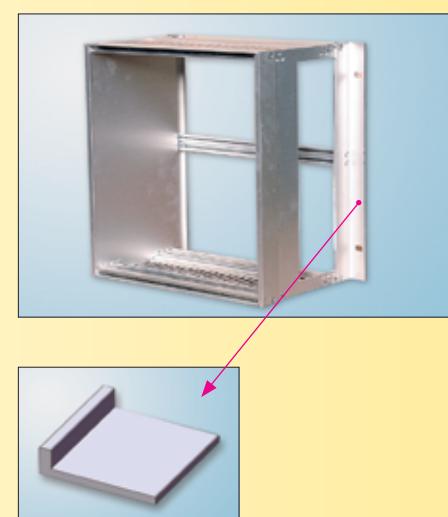


● Cover trim

As an 84 HP trim section on the rear of the subrack or at the front in place of the mounting flanges.

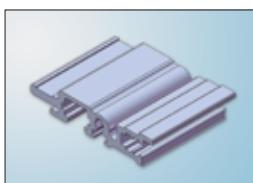


U	H (mm)	order no.
2	88	
3	132.5	
4	177	
5	221.4	
6	265.9	
7	310.4	
9	399.2	



● Cross rail, front

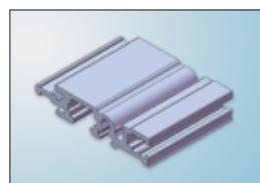
- Extruded aluminum section
- Printed HP details
- M4 thread at both end
- Special HP strips must be inserted in order to position the card guides.



Usable with	Order No.
42HP	
63HP	
84HP	
1m	

● Cross rail, near

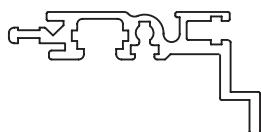
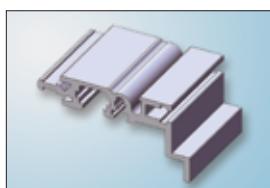
- Extruded aluminum section
- Printed HP details
- M4 thread at both end
- Special HP strips must be inserted in order to position the card guides.



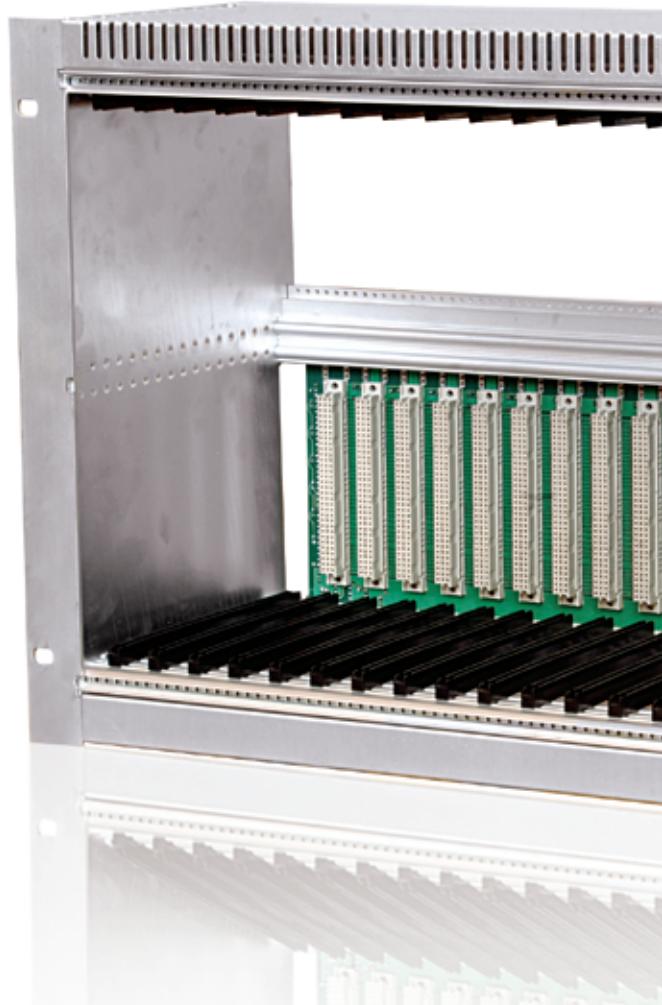
Usable with	Order No.
42HP	
63HP	
84HP	
1m	

● Cross rail, rear with integrated Z rail for connectors to DIN 416112

- Extruded aluminum section
- Printed HP details
- M4 thread at both end
- Special HP strips must be inserted in order to position the card guides
- Tapped hole M2.5.

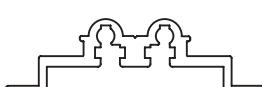
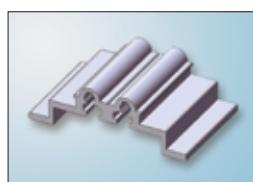


Usable with	Order No.
42HP	
63HP	
84HP	
1m	



● Cross rail, rear with integrated Z rail for connectors to DIN 416112

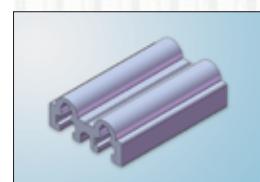
- Extruded aluminum section
- M4 thread at both ends
- Tapped hole M2.5.



Usable with	Order No.
42HP	
63HP	
84HP	
1m	

● Center cross rail

- Extruded aluminum section
- M4 thread at both end



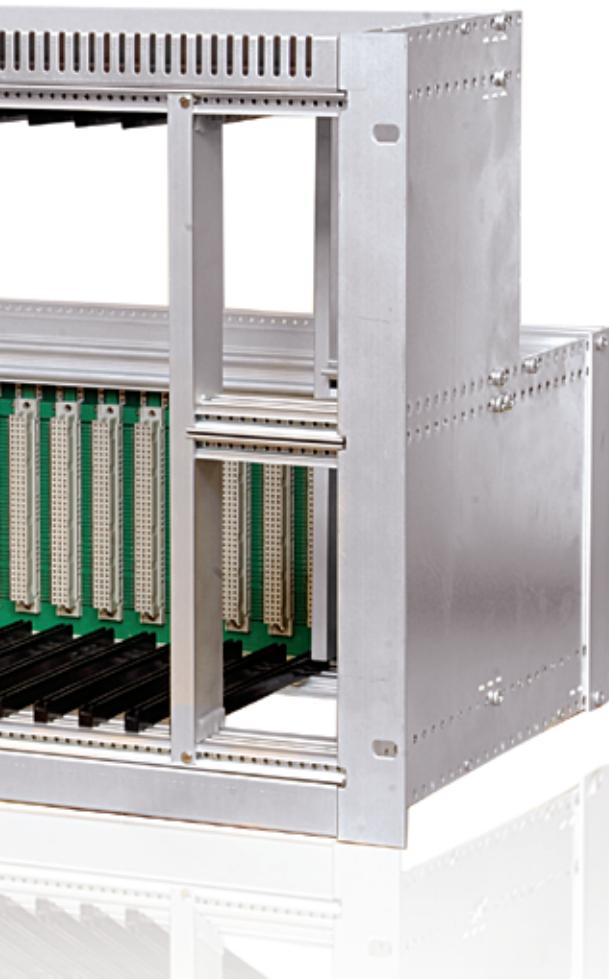
Usable with	Order No.
42HP	
63HP	
84HP	
1m	



● TE Strips

For positioning the card guides in the cross rails in the 1 HP pitch pattern

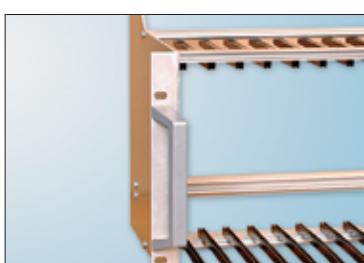
Usable with	Order no.
42HP	
63HP	
84HP	
1m	



● Handle for subrack

Diecast aluminum, spray finished

Usable for	Order no.
3U, 4U, 5U, 6U	



● Tapped Strips

With tapped holes M2.5 in 1 HP pitch

Usable with	Order no.
42HP	
63HP	
84HP	



● Insulating Strips

For fixing back plane on the card frame
With holes in 1 HP pitch

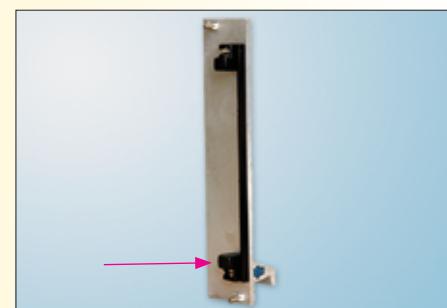
Usable with	Order no.
42HP	
63HP	
84HP	



● Card holder on front panel

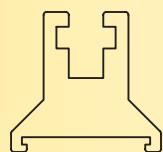
Material: polyamid
For securing PCBs to aluminum front panels.

Order no.



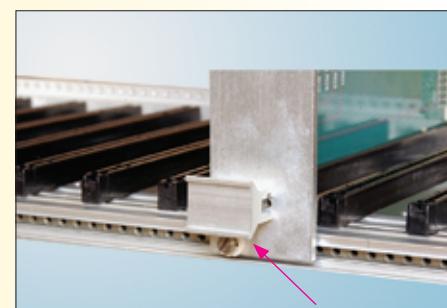
● Type I handle

Material: Aluminum
Surface finish:
Anodised



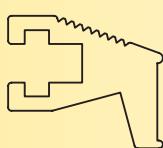
HP	order no.
3	
4	
5	
6	
7	
8	
10	

HP	order no.
12	
14	
21	
28	
42	
84	
1m	



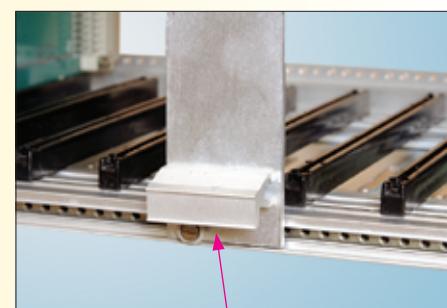
● Type II handle

Material: Aluminum
Surface finish: Anodised



HP	order no.
3	
4	
5	
6	
7	
8	
10	

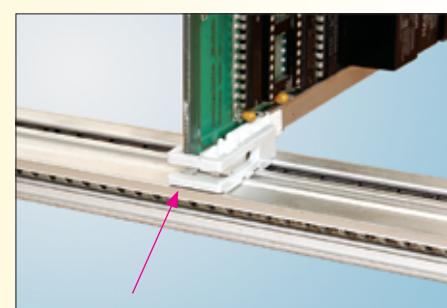
HP	order no.
12	
14	
21	
28	
42	
84	
1m	



● Card Retainer

For retaining individual PCBs in place,
without front panels

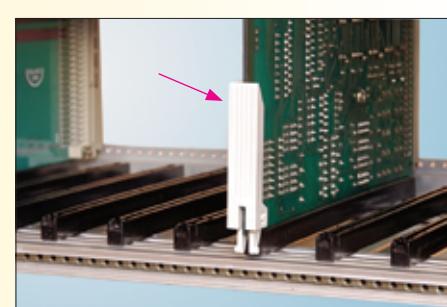
Order no.



● Card Ejector

For retaining individual PCBs in place,
without front panels

Order no.





● Card guides

made of plastic in one piece

For PCBs	Order no.
100 mm	
280 mm	



● Card guides

With aluminum center part, three-pieces

For PCBs	Order no.
160 mm	
220 mm	



● End pieces

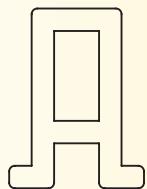
End pieces for 3-part card guides

Order no.



● Center pieces

Center pieces for 3-part card guides



For PCBs	Order no.
100 mm	
280 mm	
1 mm	



● Card guides

Screw fixed with thread on the cross rail.

For PCBs	Order no.
100	
160	
220	



● Partial front plates as covers only

covers only
natural anodized

HP	3U	6U
	Order	No.
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
20		
21		
40		
42		
60		
63		
84		



● Partial front plates with handle and card retainr

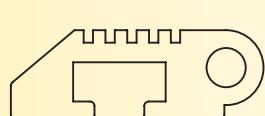
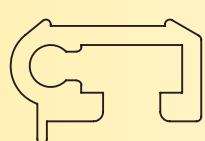
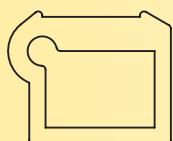
Front plate 2.5 mm aluminum natural anodized

HP	3U	6U
	Order	No.
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
20		
21		



● Front plate, hinged horizontally / vertically

HP	3U	6U
	Order	No.
3/42		
3/63		
3/84		
6/42		
3/63		
3/84		

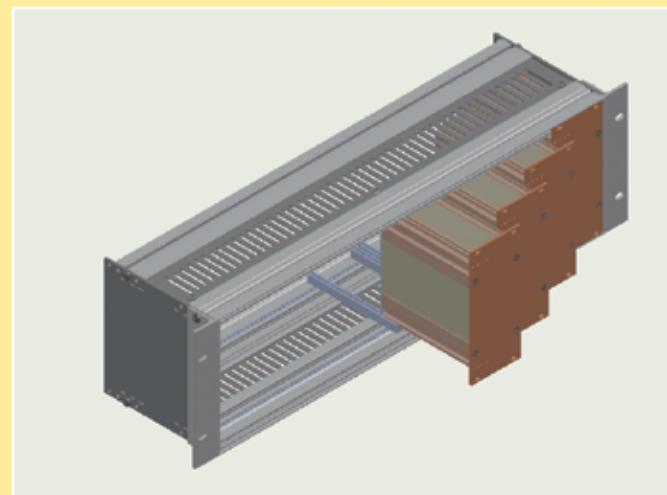




● Insert module for subrack

Modules are suitable for accommodating PCBs on standard format and depth of 160/220 mm.

They can be installed in all subracks depending on the application in question, various versions are available.



Card depth 160 mm

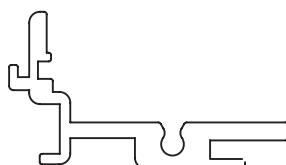
3U type I 3U type II 6U type II

HP	order no	order no	order no
6			
8			
10			
12			
14			
21			
28			
42			

Card depth 220 mm

3U type I 3U type II 6U type II

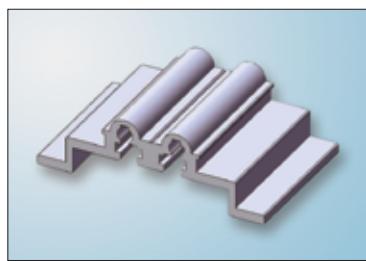
HP	order no	order no	order no
6			
8			
10			
12			
14			
21			
28			
42			



Type I



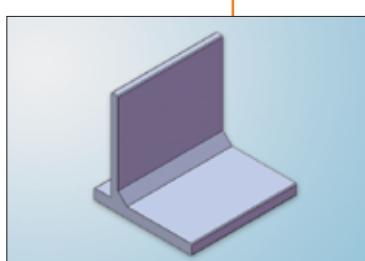
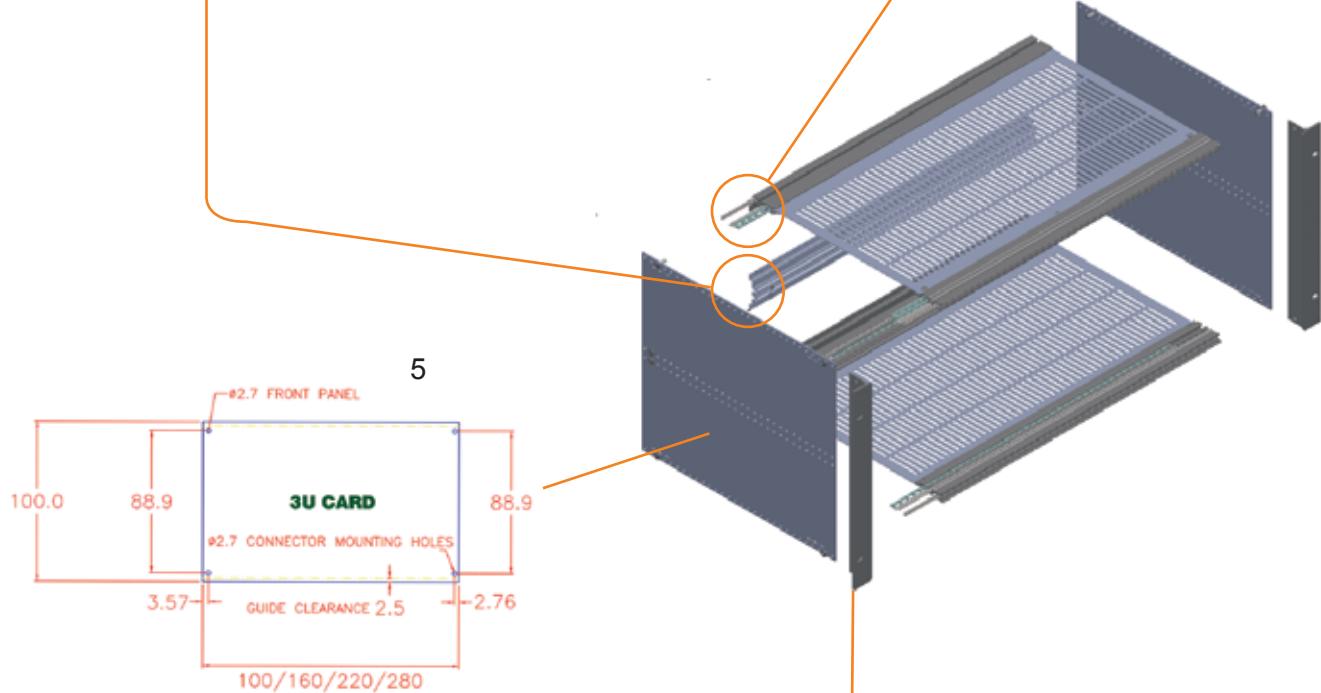
Type II



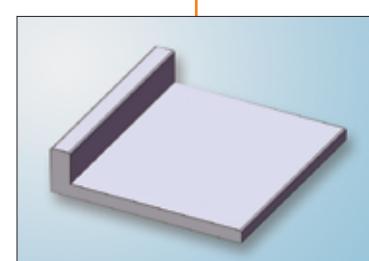
4



2



6



7

ROW	DESCRIPTION
1	Top Cover
2	Cross Rail
3	Cross Rail
4	Z Rail
5	Side Panel
6	Mounting Flanges
7	Conver Trim