

INORAX-AL

SERVER RACK CABINET

The ultimate server rack cabinet system ever developed for complex Data Center environments. Inorax-AL server rack cabinet system is the ultimate solution designed and engineered for demanding Data Center environments.

It is designed to house all servers manufactured by major brands including HP, Dell, Sun, Cisco, Juniper, IBM, Compaq to name but a few. To achieve optimum versatility within the server rack, users can set multiple depths throughout the cabinet by adjustable 19" mounting rails mounted on heavy duty side supports. Horizontally divided side panels provide ease of access and convenient post-installation maintenance.

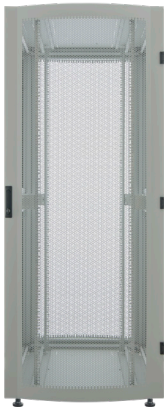
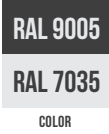
Optional 80% perforations on front and rear doors enable optimum airflow within the rack cabinet and industry leading static load carrying capacity of the Aluminium extruded frame satisfies the most of all standards specified for Tier-4 Data Center. Optional cable tray channels can be fitted on top of the rack and provide perfect cable routing eliminating the need for raised floor systems. Flat-pack option enables savings up to 60% in the transport cost and warehouse space.

Technical Features

Material	Frame; Anodized aluminium extrusion profiles Other parts: 1.0 mm, 1.2 mm and 2.0 mm steel
Color	RAL 7035 or RAL 9005
Compliance	RoHS, UL Certified
Packaging	Assembled or unassembled
Maximum Static Load	Up to 2000 kg.

Standard Configuration:

- Curved perforated front and rear doors, Free Air Ratio (FAR): %63
- Front & rear doors with swing handle Multi point-espagnolette
- Split side panels
- Bottom sheet with 3 cable entries for 800 width, 1 cable entry for 600 width racks
- Internal top sheet with 3 cable entries for 800 width, 1 cable entry for 600 width racks and fan cut-outs
- 2 Pairs of depth adjustable heavy duty 19" Mounting Rails
- 2 Pairs of Adjustable Feet



Front View



Front View Open

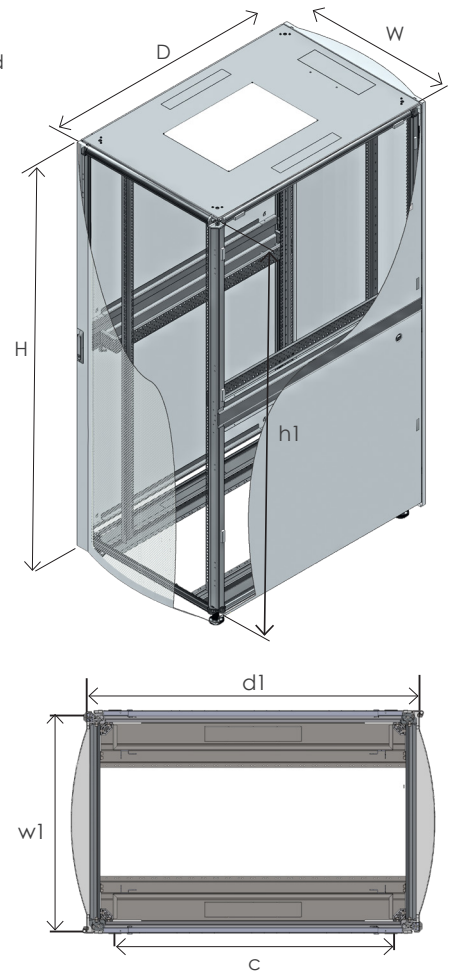
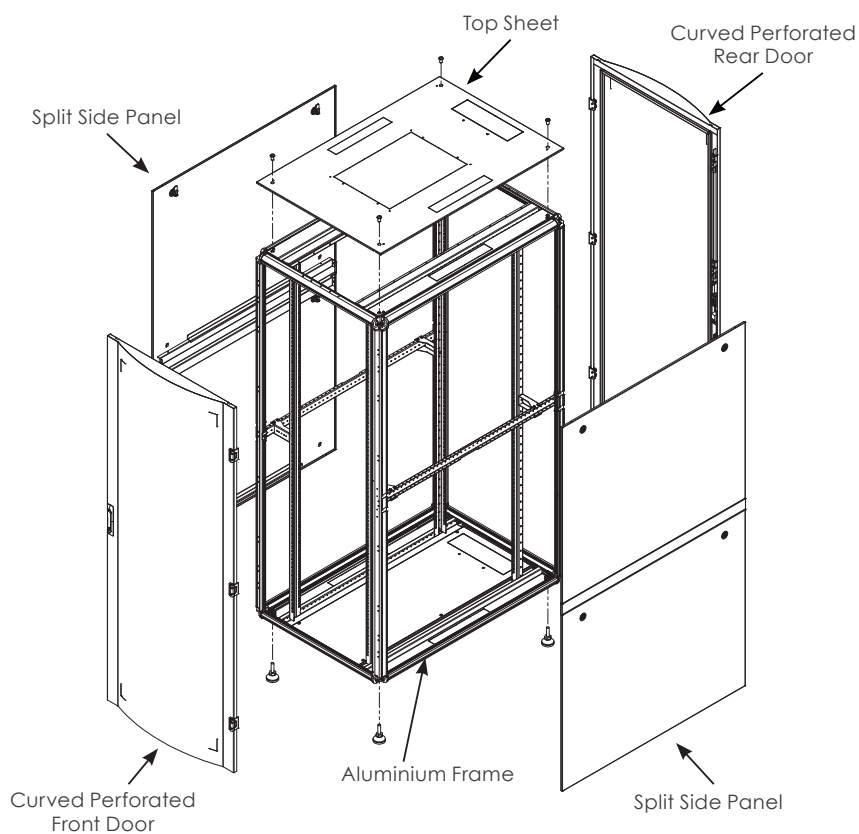


3/4 View



Side View

TECHNICAL DRAWING

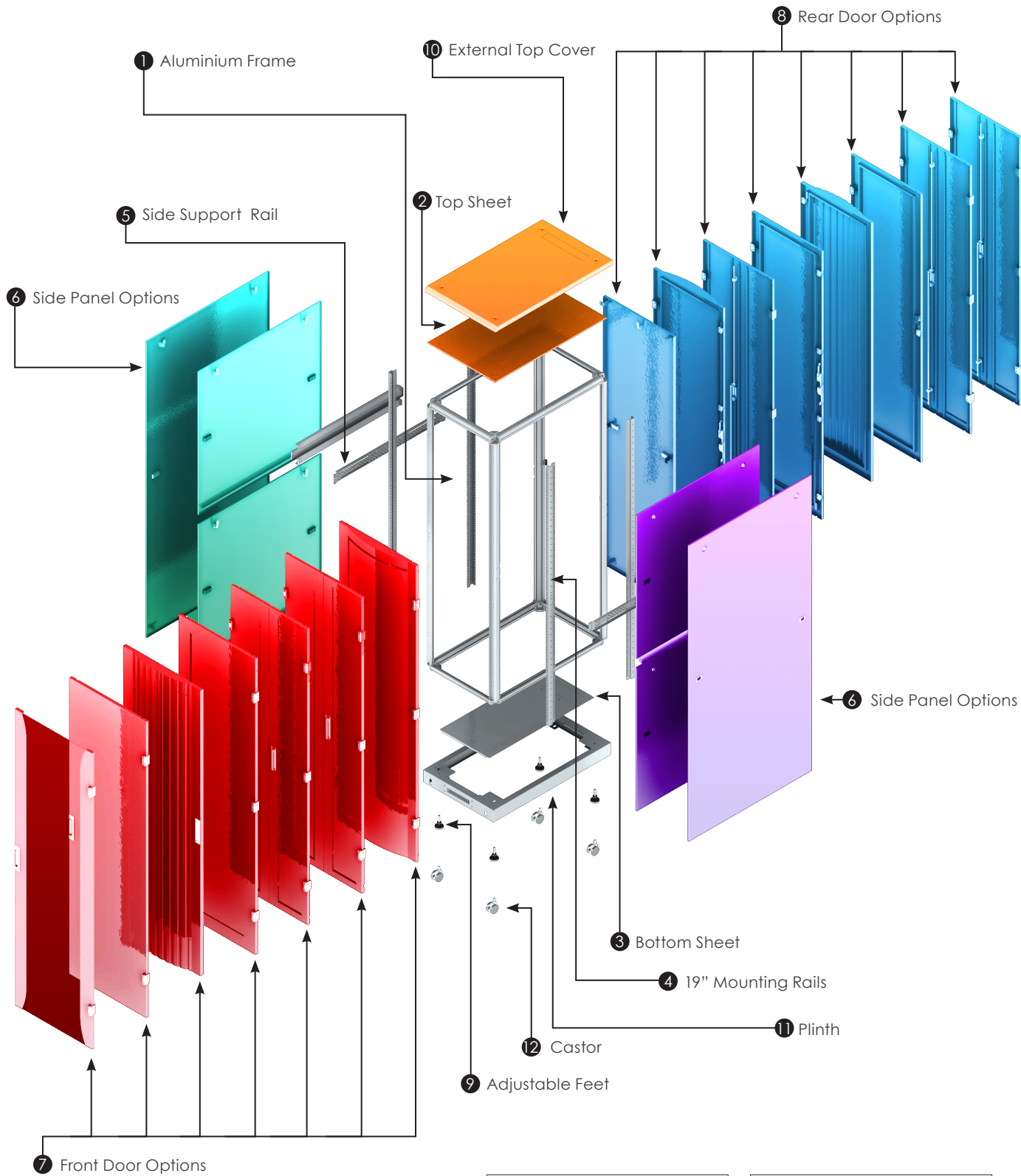


Order Information

Height (U)	Outer Width (W) mm	Outer Depth (D) mm	Outer Height (H) mm	Inner Width (w1) mm	Inner Depth (d1) mm	Inner Height (h1) mm	19" Rails Adjustable Depth Range (c)	Weight (kg)	Part No
26U	600	1000	1322	503	950	1187	129 - 829	75	CPS-X-2660A
26U	600	1200	1322	503	1150	1187	129 - 1029	96	CPS-X-2662A
36U	600	1000	1767	503	950	1632	129 - 829	95	CPS-X-3660A
36U	600	1200	1767	503	1150	1632	129 - 1029	114	CPS-X-3662A
39U	800	1000	1900	703	950	1765	129 - 829	112	CPS-X-3980A
42U	600	1000	2033	503	950	1898	129 - 829	107	CPS-X-4260A
42U	600	1070	2033	503	1020	1898	129-899	116	CPS-X-4267A
42U	600	1200	2033	503	1150	1898	129-1029	125	CPS-X-4262A
42U	800	1000	2033	703	950	1898	129-829	117	CPS-X-4280A
42U	800	1070	2033	703	1020	1898	129-899	126	CPS-X-4287A
42U	800	1200	2033	703	1150	1898	129-1029	135	CPS-X-4282A
47U	600	1000	2255	503	950	2120	129-829	116	CPS-X-4760A
47U	600	1070	2255	503	1020	2120	129-899	125	CPS-X-4767A
47U	600	1200	2255	503	1150	2120	129-1029	134	CPS-X-4762A
47U	800	1000	2255	703	950	2120	129-829	127	CPS-X-4780A
47U	800	1070	2255	703	1020	2120	129-899	136	CPS-X-4787A
47U	800	1200	2255	703	1150	2120	129-1029	144	CPS-X-4782A

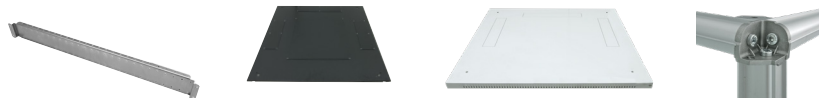
X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

COMPONENTS OF INORAX-AL RACK CABINETS



1 - Aluminium Frame
2 - Top Sheet
3 - Bottom Sheet
4 - 19" Mounting Rails
5 - Side Support Rails
6 - Side Panel Options

7 - Front Door Options
8 - Rear Door Options
9 - Adjustable Feet
10 - External Top Cover
11 - Plinth
12 - Castor



COMPONENTS OF INORAX-AL RACK CABINETS



Rack Frame Connection Detail



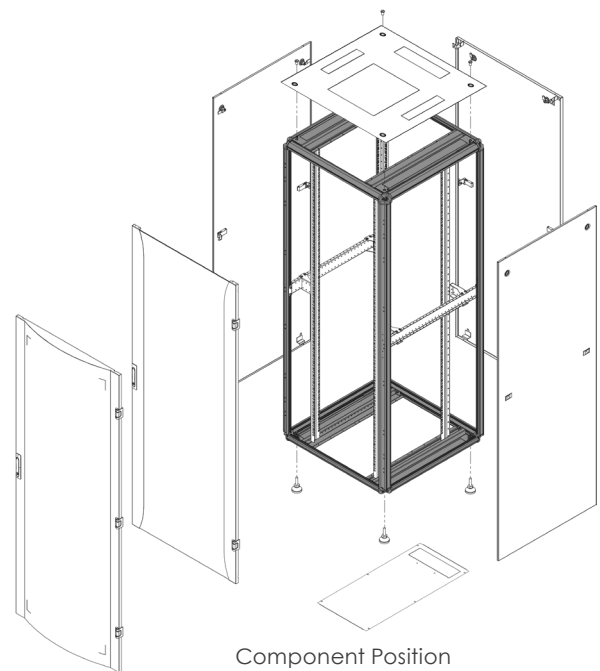
Aluminium Frame

Aluminium Frame Options

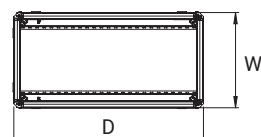
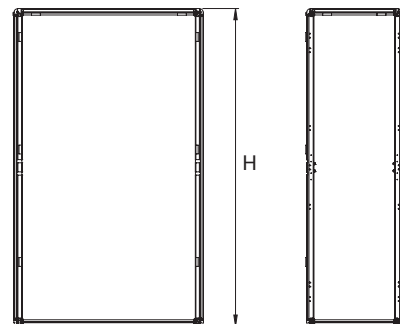
Material	Anodized Aluminium Extrusion
Maximum Static Load	2000 kg
Finish	Anodic Oxidation (Eloxal)

Height (U)	H (mm)	W (mm)	D (mm)	Weight (kg)	Part No
26U	1308,8	600	600	16	CPZ-X-26660-0100
26U	1308,8	600	800	17	CPZ-X-26680-0100
26U	1308,8	600	1000	19	CPZ-X-26600-0100
26U	1308,8	800	800	26	CPZ-X-26880-0100
32U	1575,5	600	600	16	CPZ-X-32660-0100
32U	1575,5	600	800	18	CPZ-X-32680-0100
32U	1575,5	800	800	27	CPZ-X-32880-0100
36U	1753,3	600	600	17	CPZ-X-36660-0100
36U	1753,3	600	800	18	CPZ-X-36680-0100
36U	1753,3	600	1000	20	CPZ-X-36600-0100
36U	1753,3	600	1200	21	CPZ-X-36620-0100
36U	1753,3	800	800	27	CPZ-X-36880-0100
39U	1886,6	800	800	27	CPZ-X-39880-0100
39U	1886,6	800	1000	30	CPZ-X-39800-0100
42U	2020	600	600	17	CPZ-X-42660-0100
42U	2020	600	800	18	CPZ-X-42680-0100
42U	2020	600	1000	20	CPZ-X-42600-0100
42U	2020	600	1070	21	CPZ-X-42610-0100
42U	2020	600	1200	21	CPZ-X-42620-0100
42U	2020	800	800	27	CPZ-X-42880-0100
42U	2020	800	1000	30	CPZ-X-42800-0100
42U	2020	800	1070	32	CPZ-X-42810-0100
42U	2020	800	1200	33	CPZ-X-42820-0100
47U	2242,25	600	600	17	CPZ-X-47660-0100
47U	2242,25	600	800	19	CPZ-X-47680-0100
47U	2242,25	600	1000	20	CPZ-X-47600-0100
47U	2242,25	600	1200	22	CPZ-X-47620-0100
47U	2242,25	800	800	27	CPZ-X-47880-0100
47U	2242,25	800	1000	30	CPZ-X-47800-0100
47U	2242,25	800	1200	34	CPZ-X-47820-0100

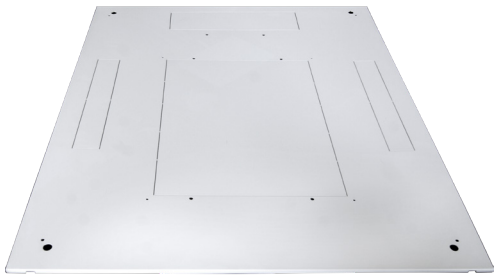
X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black



Component Position



TOP SHEET OPTIONS



Top Sheet Options

Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
600	600	7	3,24	CPZ-X-YY660-0402
600	800	7	4,34	CPZ-X-YY680-0402
600	1000	7	5,82	CPZ-X-YY600-0402
600	1070	7	6,25	CPZ-X-YY670-0402
600	1200	7	7,8	CPZ-X-YY620-0402
800	800	7	5,76	CPZ-X-YY880-0402
800	1000	7	5,92	CPZ-X-YY800-0402
800	1070	7	6,39	CPZ-X-YY870-0402
800	1200	7	6,96	CPZ-X-YY820-0402

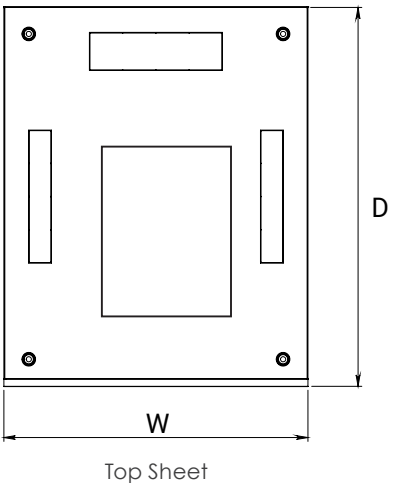
EXTERNAL TOP COVER OPTIONS



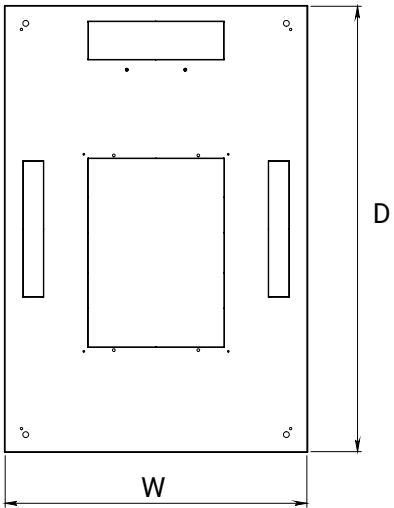
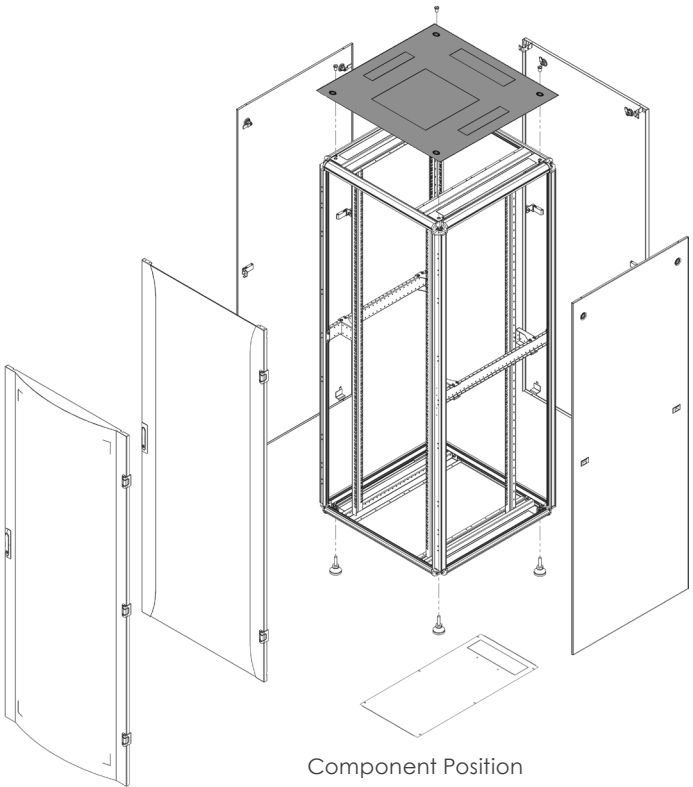
Top Sheet Options

Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
600	600	30	4,49	CPZ-X-YY660-0404
600	800	30	5,76	CPZ-X-YY680-0404
600	1000	30	7,05	CPZ-X-YY600-0404
600	1070	30	7,82	CPZ-X-YY670-0404
600	1200	30	8,6	CPZ-X-YY620-0404
800	800	30	7,11	CPZ-X-YY880-0404
800	1000	30	9,12	CPZ-X-YY800-0404
800	1070	30	10,12	CPZ-X-YY870-0404
800	1200	30	11,12	CPZ-X-YY820-0404



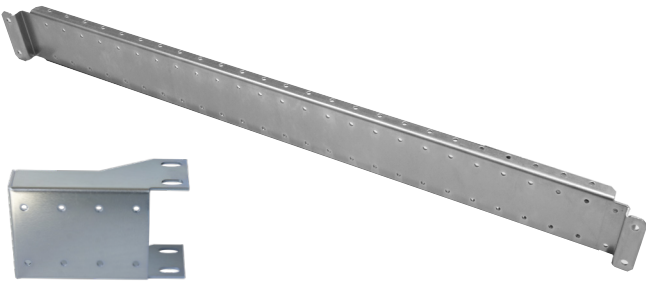
Top Sheet



External Top Cover

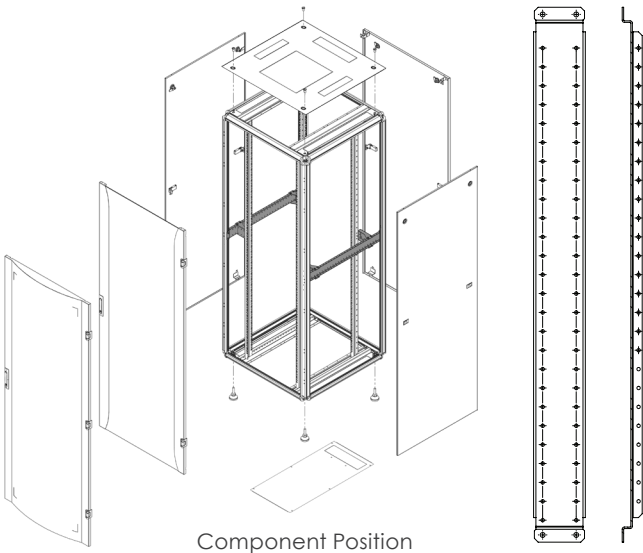
X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

SIDE SUPPORT RAILS



Material	2.0 mm Steel
Finish	Zinc Plated

Cabinet W (mm)	Cabinet D (mm)	Weight (kg)	Part No
600	600	0,75	CPZ-0-YY660-0700
600	800	0,8	CPZ-0-YY680-0700
600	1000	0,85	CPZ-0-YY600-0700
600	1070	0,87	CPZ-0-YY670-0700
600	1200	0,9	CPZ-0-YY620-0700
800	800	0,85	CPZ-0-YY880-0700
800	1000	0,92	CPZ-0-YY800-0700
800	1070	0,97	CPZ-0-YY870-0700
800	1200	1,02	CPZ-0-YY820-0700



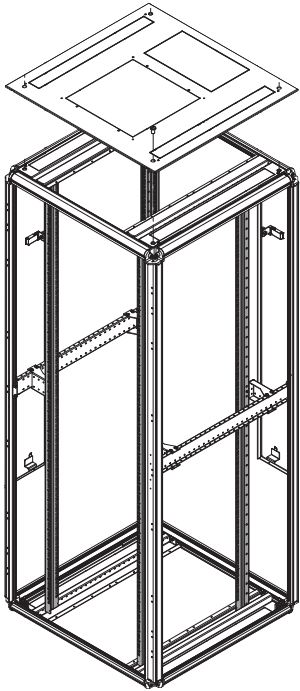
Component Position



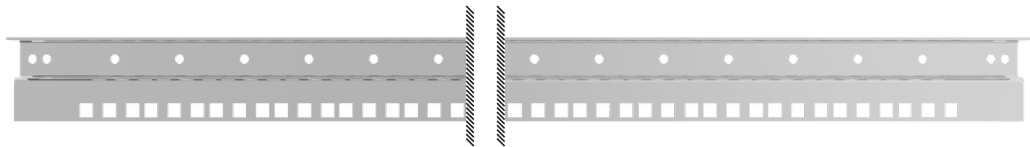
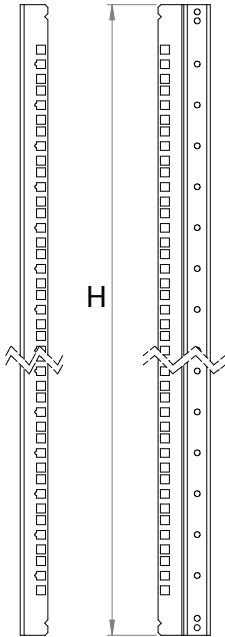
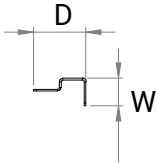
19" MOUNTING RAILS

Material	2.0 mm Steel
Finish	Zinc Plated

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	33	52	1198	1,52	CPZ-0-26YY0-0600
32U	33	52	1464	1,85	CPZ-0-32YY0-0600
36U	33	52	1642	2,08	CPZ-0-36YY0-0600
39U	33	52	1776	2,25	CPZ-0-39YY0-0600
42U	33	52	1909	2,42	CPZ-0-42YY0-0600
47U	33	52	2131	2,7	CPZ-0-47YY0-0600



Component Position



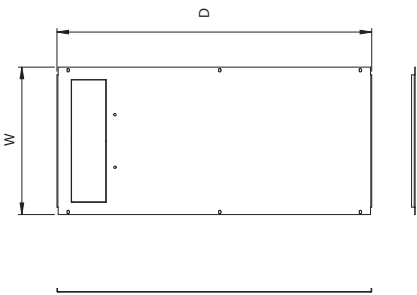
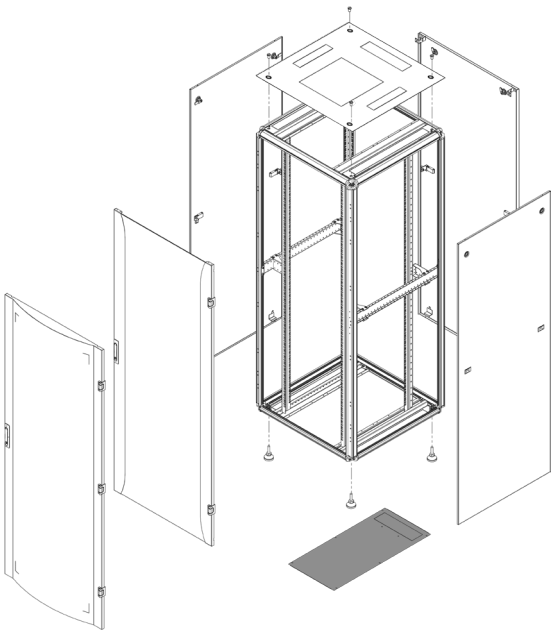
X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

BOTTOM SHEET



Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
600	600	5	1,84	CPZ-X-YY660-0403
600	800	5	2,45	CPZ-X-YY680-0403
600	1000	5	3,06	CPZ-X-YY600-0403
600	1070	5	3,37	CPZ-X-YY670-0403
600	1200	5	3,67	CPZ-X-YY620-0403
800	800	5	2,45	CPZ-X-YY880-0403
800	1000	5	3,06	CPZ-X-YY800-0403
800	1070	5	3,37	CPZ-X-YY870-0403
800	1200	5	3,67	CPZ-X-YY820-0403

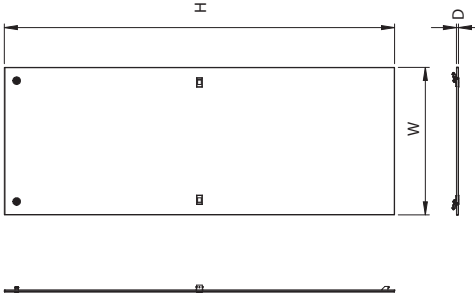
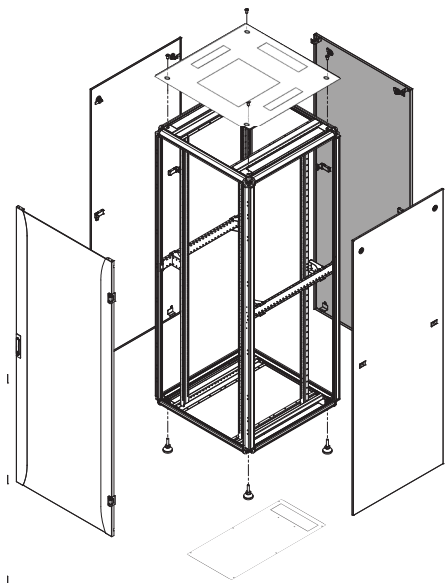


REAR METAL SOLID PANEL



Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	23	1264	8	CPZ-X-266Y0-0901
26U	800	23	1264	12	CPZ-X-268Y0-0901
32U	600	23	1531	10	CPZ-X-326Y0-0901
32U	800	23	1531	14	CPZ-X-328Y0-0901
36U	600	23	1709	11	CPZ-X-366Y0-0901
36U	800	23	1709	15	CPZ-X-368Y0-0901
39U	800	23	1842	17	CPZ-X-398Y0-0901
42U	600	23	1975	13	CPZ-X-426Y0-0901
42U	800	23	1975	18	CPZ-X-428Y0-0901
47U	600	23	2198	14	CPZ-X-476Y0-0901
47U	800	23	2198	20	CPZ-X-478Y0-0901



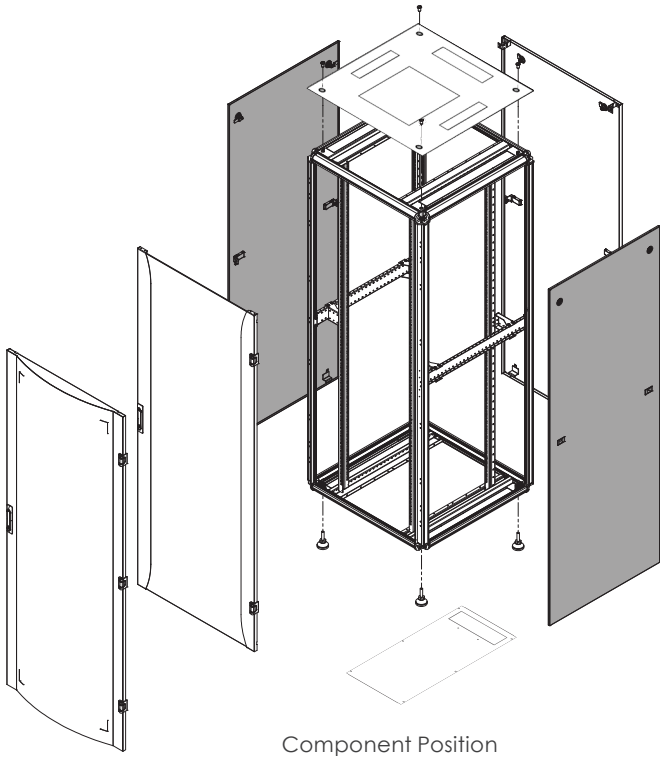
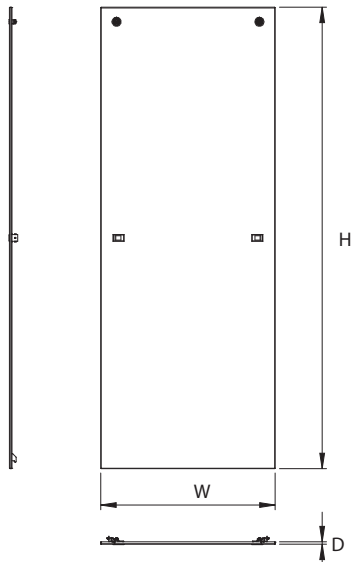
X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

SIDE PANEL

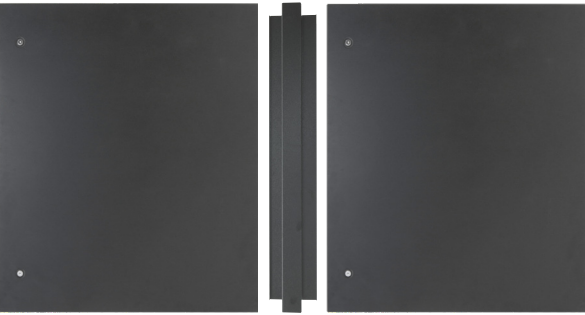


Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	10	1264	7	CPZ-X-26Y60-0501
26U	800	10	1264	10	CPZ-X-26Y80-0501
26U	1000	10	1264	13	CPZ-X-26Y00-0501
32U	600	10	1531	9	CPZ-X-32Y60-0501
32U	800	10	1531	11	CPZ-X-32Y80-0501
36U	600	10	1709	9	CPZ-X-36Y60-0501
36U	800	10	1709	13	CPZ-X-36Y80-0501
39U	800	10	1842	14	CPZ-X-39Y80-0501
42U	600	10	1975	11	CPZ-X-42Y60-0501
42U	800	10	1975	14	CPZ-X-42Y80-0501
47U	600	10	2198	12	CPZ-X-47Y60-0501
47U	800	10	2198	16	CPZ-X-47Y80-0501

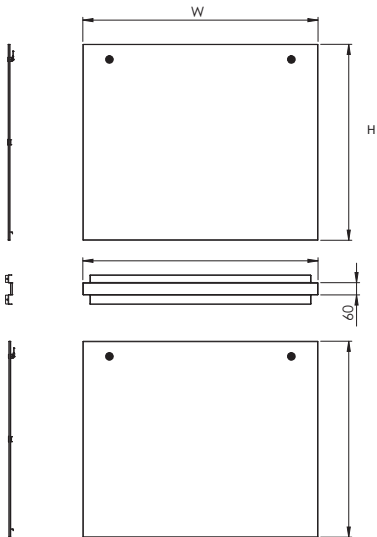


SPLIT SIDE PANEL



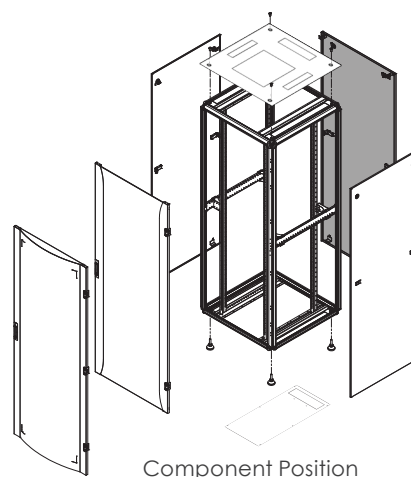
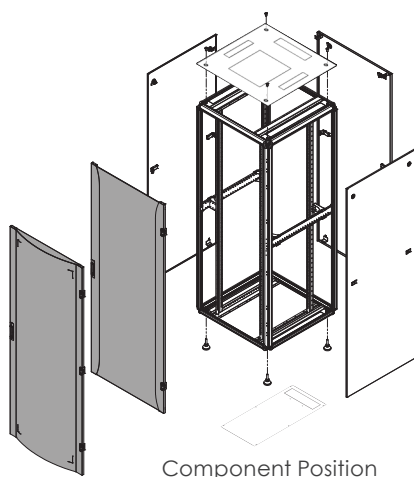
Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
36U	1000	10	1709	17	CPZ-X-36Y00-0503
36U	1200	10	1709	22	CPZ-X-36Y20-0503
39U	1000	10	1842	18	CPZ-X-39Y00-0503
42U	1000	10	1975	19	CPZ-X-42Y00-0503
42U	1070	10	1975	24	CPZ-X-42Y70-0503
42U	1200	10	1975	26	CPZ-X-42Y20-0503
47U	1000	10	2198	21	CPZ-X-47Y00-0503
47U	1070	10	2198	25	CPZ-X-47Y70-0503
47U	1200	10	2198	28	CPZ-X-47Y20-0503



X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

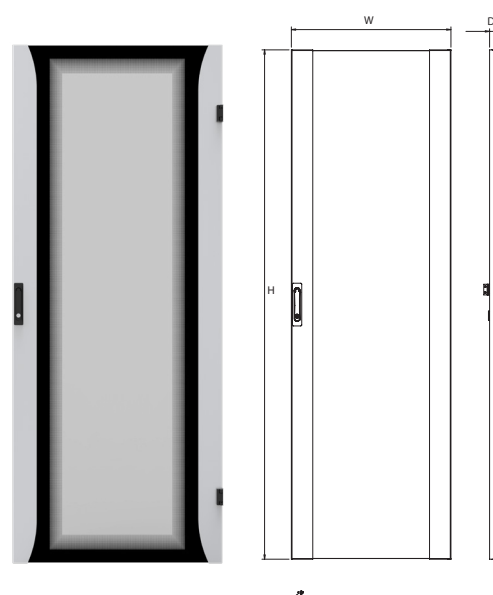
SINGLE DOOR OPTIONS



GLASS DOOR

Material	1.2 mm Steel, 4 mm Tempered Glass, tinted on left and right sides
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

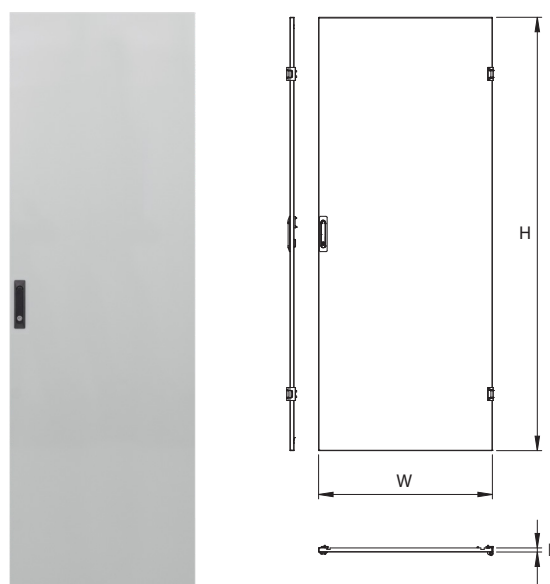
H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	19	1264	9	CPZ-X-266Y0-0903
26U	800	19	1264	12	CPZ-X-268Y0-0903
32U	600	19	1531	11	CPZ-X-326Y0-0903
32U	800	19	1531	14	CPZ-X-328Y0-0903
36U	600	19	1709	12	CPZ-X-366Y0-0903
36U	800	19	1709	16	CPZ-X-368Y0-0903
39U	800	19	1842	17	CPZ-X-398Y0-0903
42U	600	19	1975	14	CPZ-X-426Y0-0903
42U	800	19	1975	18	CPZ-X-428Y0-0903
47U	600	19	2198	16	CPZ-X-476Y0-0903
47U	800	19	2198	20	CPZ-X-478Y0-0903



METAL SOLID DOOR

Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	10	1264	11	CPZ-X-266Y0-0902
26U	800	10	1264	14	CPZ-X-268Y0-0902
32U	600	10	1531	13	CPZ-X-326Y0-0902
32U	800	10	1531	16	CPZ-X-328Y0-0902
36U	600	10	1709	14	CPZ-X-366Y0-0902
36U	800	10	1709	18	CPZ-X-368Y0-0902
39U	800	10	1842	19	CPZ-X-398Y0-0902
42U	600	10	1975	16	CPZ-X-426Y0-0902
42U	800	10	1975	20	CPZ-X-428Y0-0902
47U	600	10	2198	18	CPZ-X-476Y0-0902
47U	800	10	2198	23	CPZ-X-478Y0-0902

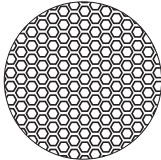
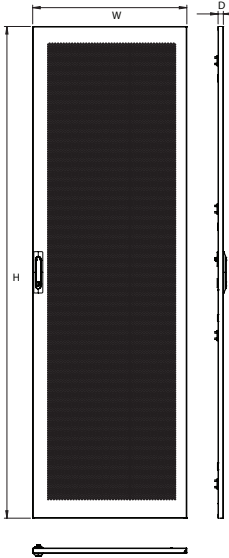
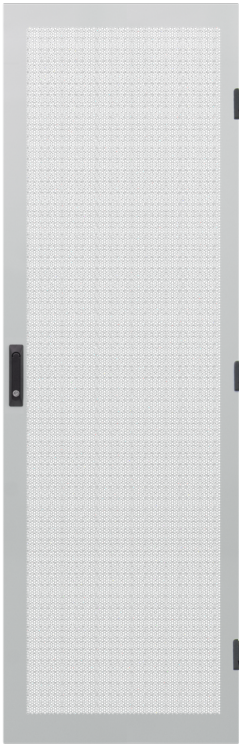


X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

PERFORATED FLAT DOOR

Material	1.0 mm Steel
Perforation Rate	63%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	19	1264	8	CPZ-X-266Y0-0904
36U	600	19	1709	11	CPZ-X-366Y0-0904
39U	800	19	1842	15	CPZ-X-398Y0-0904
42U	600	19	1975	12	CPZ-X-426Y0-0904
42U	800	19	1975	16	CPZ-X-428Y0-0904
47U	600	19	2198	15	CPZ-X-476Y0-0904
47U	800	19	2198	19	CPZ-X-478Y0-0904

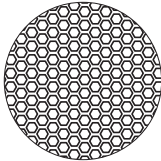
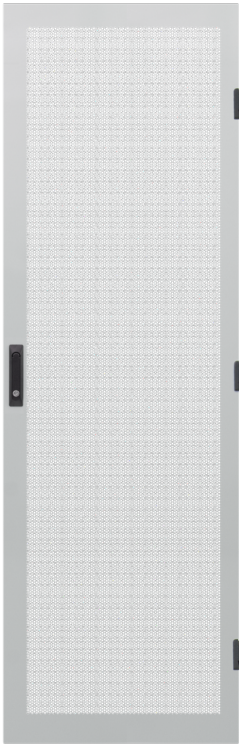


63%
Perforation Detail

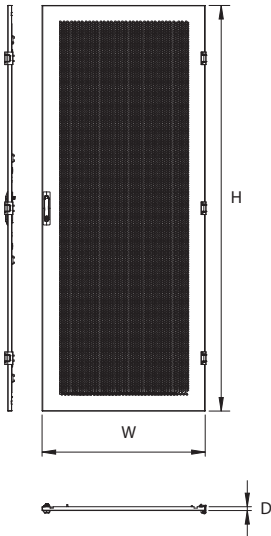
HIGH PERFORATION RATED FLAT DOOR

Material	1 mm Steel
Perforation Rate	80%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	19	1264	8	CPZ-X-266Y0-0909
42U	600	19	1975	12	CPZ-X-426Y0-0909
42U	800	19	1975	16	CPZ-X-428Y0-0909
47U	600	19	2198	15	CPZ-X-476Y0-0909
47U	800	19	2198	19	CPZ-X-478Y0-0909



80%
Perforation Detail

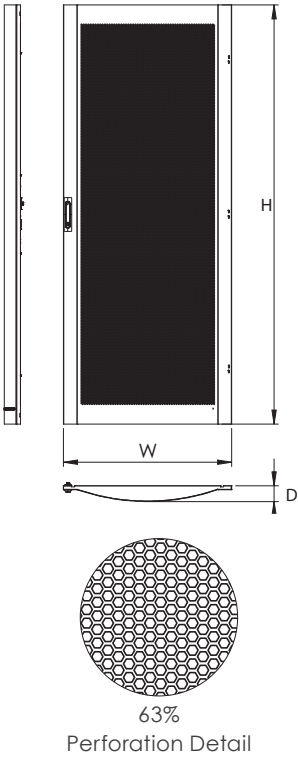


X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

PERFORATED CURVED DOOR

Material	1.0 mm Steel
Perforation Rate	63%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

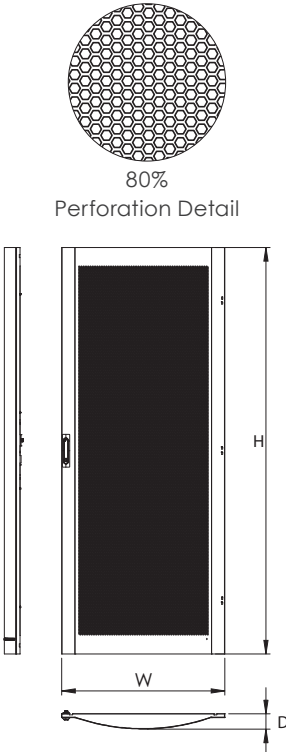
H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	57	1264	9	CPZ-X-266Y0-0905
36U	600	57	1709	12	CPZ-X-366Y0-0905
39U	800	76	1842	17	CPZ-X-398Y0-0905
42U	600	57	1975	14	CPZ-X-426Y0-0905
42U	800	76	1975	18	CPZ-X-428Y0-0905
47U	600	57	2198	16	CPZ-X-476Y0-0905
47U	800	76	2198	20	CPZ-X-478Y0-0905



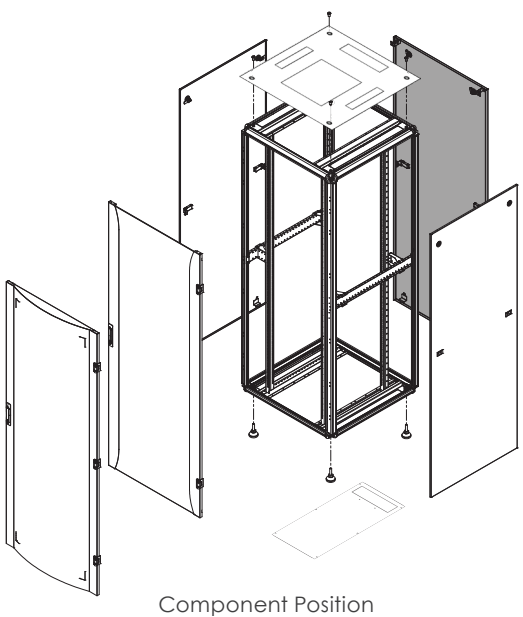
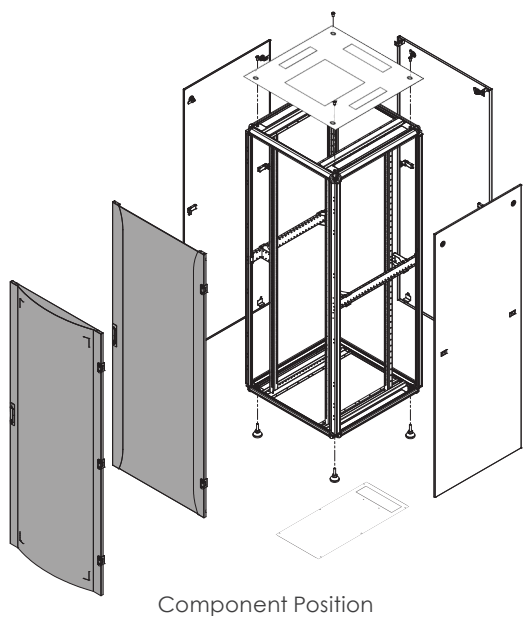
HIGH PERFORATION RATED CURVED DOOR

Material	1 mm Steel
Perforation Rate	80%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	57	1264	9	CPZ-X-266Y0-0910
42U	600	57	1975	14	CPZ-X-426Y0-0910
42U	800	76	1975	18	CPZ-X-428Y0-0910
47U	600	57	2198	16	CPZ-X-476Y0-0910
47U	800	76	2198	20	CPZ-X-478Y0-0910



DOUBLE DOOR OPTIONS



DOUBLE GLASS DOOR

Material	1.2 mm Steel, 4 mm Tempered Glass
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
42U	800	19	1975	21	CPZ-X-428Y0-0907
47U	800	19	2198	23	CPZ-X-478Y0-0907

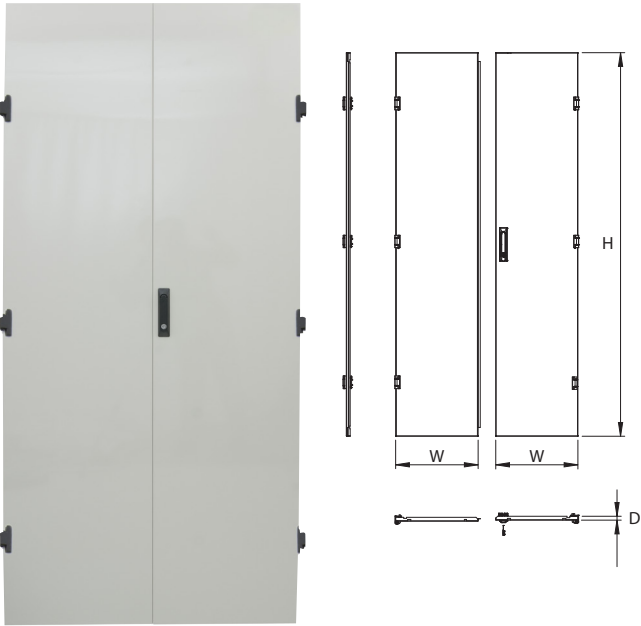


X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

DOUBLE METAL SOLID DOOR

Material	1.2 mm Steel
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

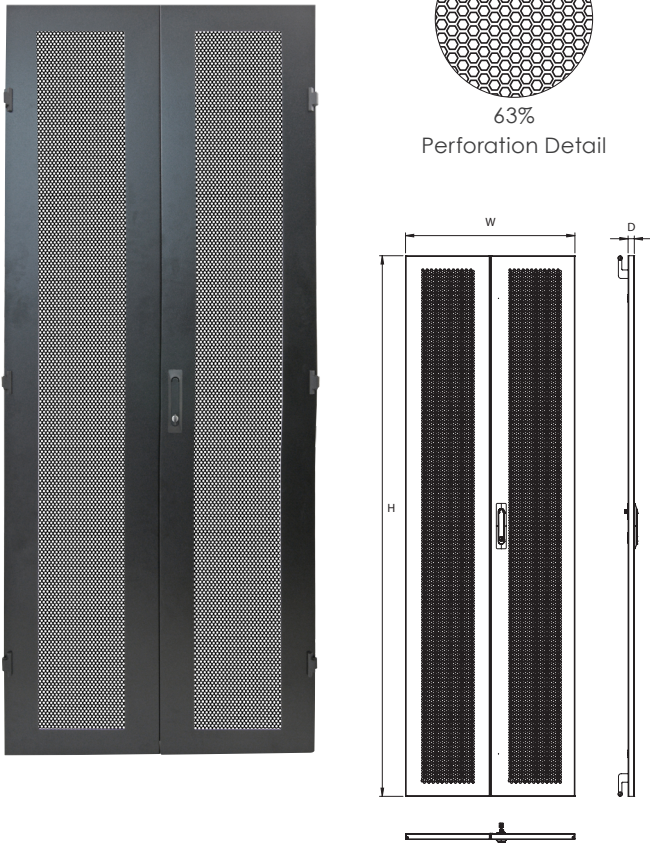
H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
42U	800	19	1975	21	CPZ-X-428Y0-0906
47U	800	19	2198	23	CPZ-X-478Y0-0906



PERFORATED DOUBLE FLAT DOOR

Material	1.0 mm Steel
Perforation Rate	63%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

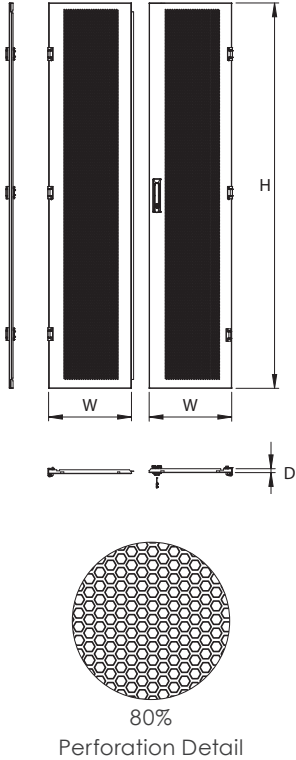
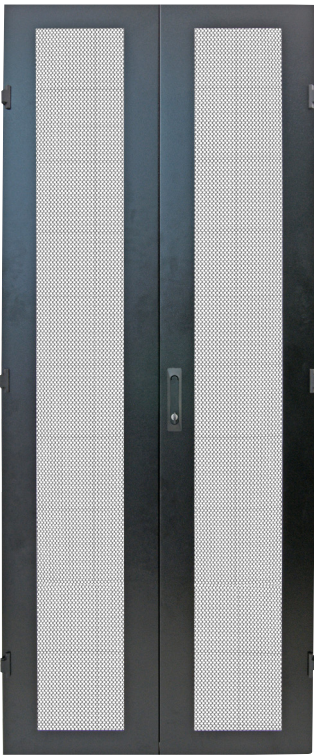
H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	19	1264	8	CPZ-X-266Y0-0908
36U	600	19	1709	10	CPZ-X-366Y0-0908
39U	800	19	1842	13	CPZ-X-398Y0-0908
42U	600	19	1975	11	CPZ-X-426Y0-0908
42U	800	19	1975	14	CPZ-X-428Y0-0908
47U	600	19	2198	12	CPZ-X-476Y0-0908
47U	800	19	2198	16	CPZ-X-478Y0-0908



HIGH PERFORATION RATED DOUBLE FLAT DOOR

Material	1.0 mm Steel
Perforation Rate	80%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

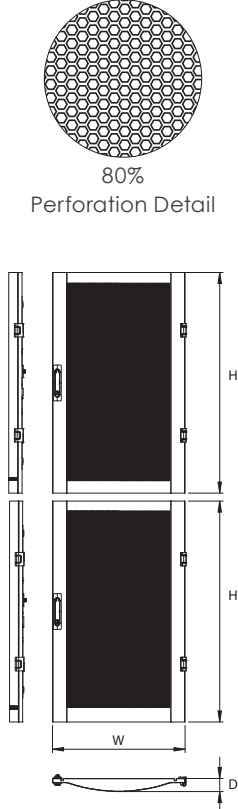
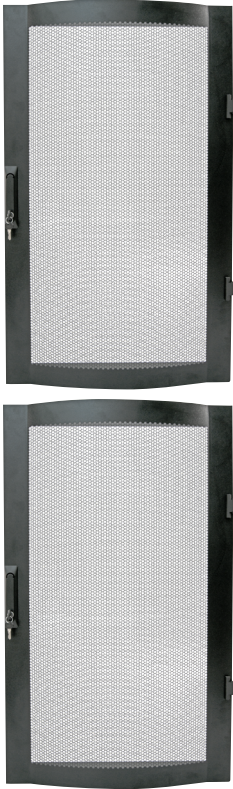
H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
26U	600	19	1264	8	CPZ-X-266Y0-0911
36U	600	19	1709	10	CPZ-X-366Y0-0911
39U	800	19	1842	13	CPZ-X-398Y0-0911
42U	600	19	1975	11	CPZ-X-426Y0-0911
42U	800	19	1975	14	CPZ-X-428Y0-0911
47U	600	19	2198	12	CPZ-X-476Y0-0911
47U	800	19	2198	15	CPZ-X-478Y0-0911



HIGH PERFORATION RATED CURVED DOOR FOR COLOCATION CABINETS

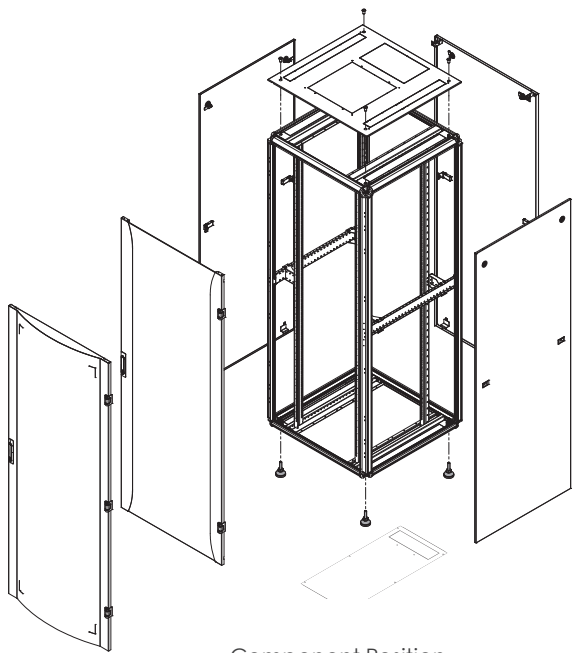
Material	1.0 mm Steel
Perforation Rate	80%
Color	RAL 7035 and RAL 9005
Finish	Electrostatic Powder Paint

H (U)	W (mm)	D (mm)	H (mm)	Weight (kg)	Part No
21U+21U	600	57	1975	10	CPZ-X-426Y0-0912
21U+21U	800	76	1975	11	CPZ-X-428Y0-0912



X (Color code): 7:RAL 7035 Light Grey, 9:RAL 9005 Black

FEET OPTIONS

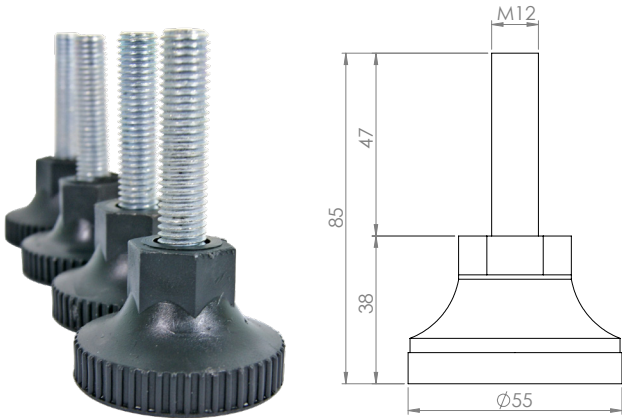


Component Position

ADJUSTABLE FEET

Material	Steel and Plastic ABS
Finish	Zinc Plated
Packaging	4 pieces in a box

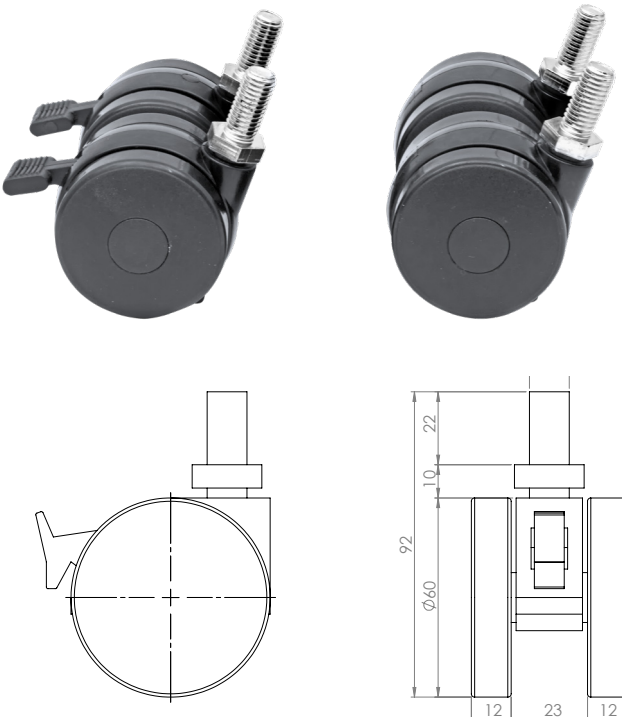
Maximum Static Load	Set Weight kg	Part No
600 kg / piece	0.35	CCA-0-7014



CASTOR SET

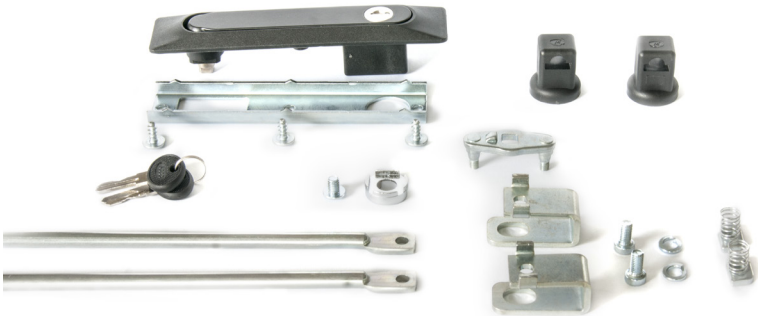
Material	Steel and Plastic ABS
Finish	Zinc Plated
Packaging	2 pieces with stopper and 2 pieces without Stopper in a box

Maximum Static Load	Set Weight kg	Part No
600 kg / piece	0.35	CCA-0-7014



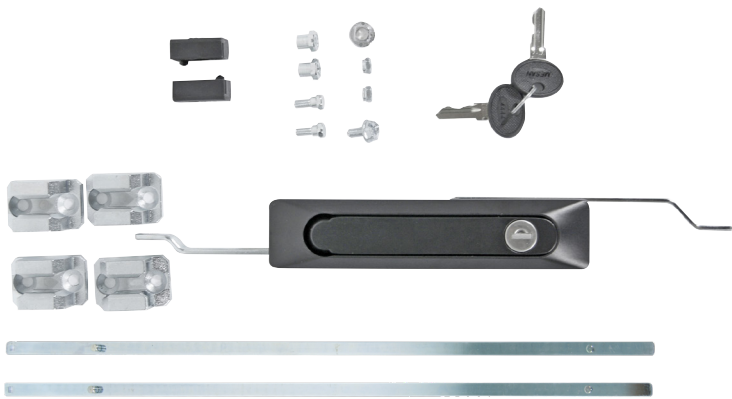
MULTI POINT LOCK FOR DOUBLE DOORS

Material	Polyamide, Steel
Packaging	1 piece in a box
Part No	CPZ-0-YYYY0-1005



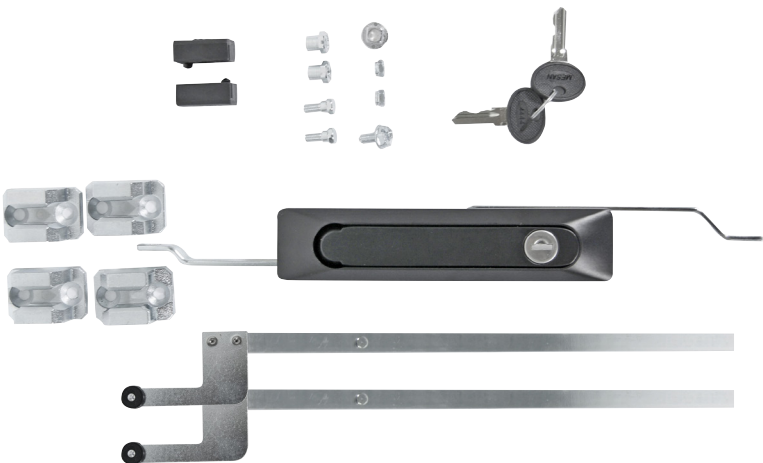
FOUR POINT LOCK FOR SINGLE CURVED PERFORATED DOOR

Material	Polyamide, Steel
Packaging	1 piece in a box
Part No	CPZ-0-YYYY0-1004



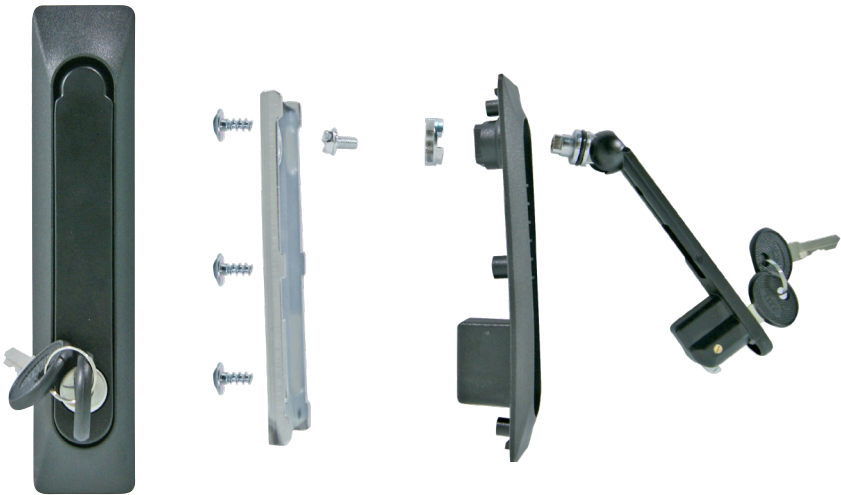
FOUR POINT LOCK FOR SINGLE CURVED PERFORATED DOOR

Material	Polyamide, Steel
Packaging	1 piece in a box
Part No	CPZ-0-YYYY0-1006



SINGLE POINT LOCK

Material	Polyamide
Packaging	1 piece in a box
Part No	CPZ-0-YYYY0-1003



CYLINDRICAL LOCK FOR SIDE PANEL

Material	Zamak, Steel
Packaging	1 piece in a box
Part No	CPZ-0-YYYY0-1001



CYLINDRICAL LOCK FOR SIDE PANEL

Material	Zamak, Steel
Packaging	1 piece in a box
Part No	CPZ-0-YYYY0-1002





WORLD WIDE PATENTED ALUMINUM PROFILED RACK CABINETS

A BEARING FRAME FOR EQUIPMENT CABINET RACKS

TECHNICAL FIELD

The present invention relates to cabinet racks where various equipment are accommodated; to the frames of said cabinet racks, as formed by interconnecting a number of horizontal and vertical profiles; and particularly to corner connectors, employed in assembling together said profiles making up said bearing frame.

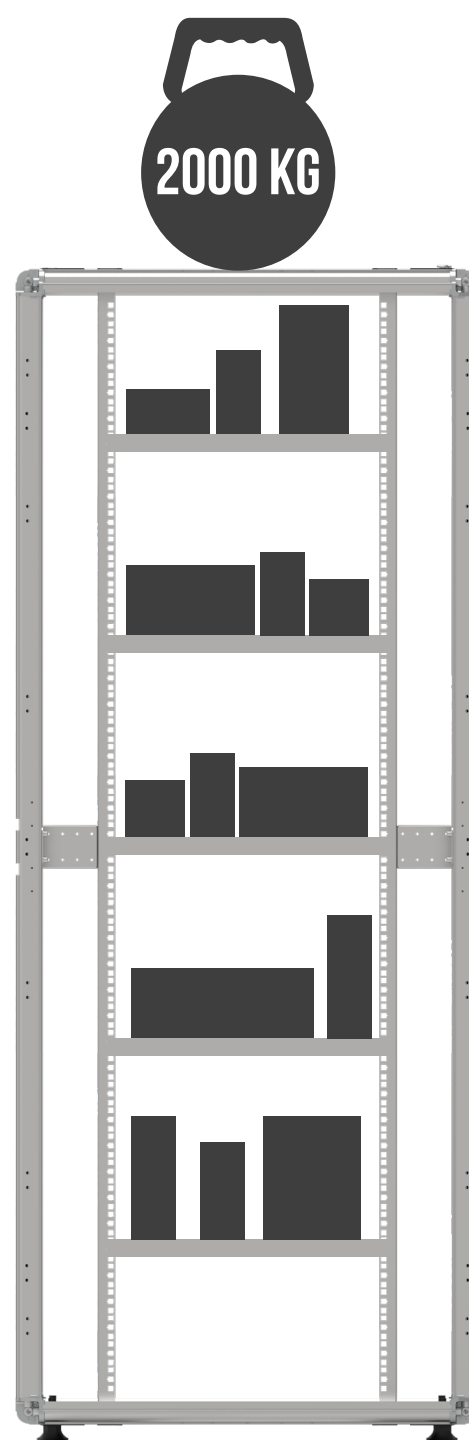
Equipment cabinet racks are such embodiments, which accommodate equipment that require crucial consideration and are operated in certain ambient conditions, such as electrical - electronic devices (telecommunication devices, network devices, computers, etc.), medical devices, various industrial equipment, and which provide such devices with optimal operative ambient conditions.

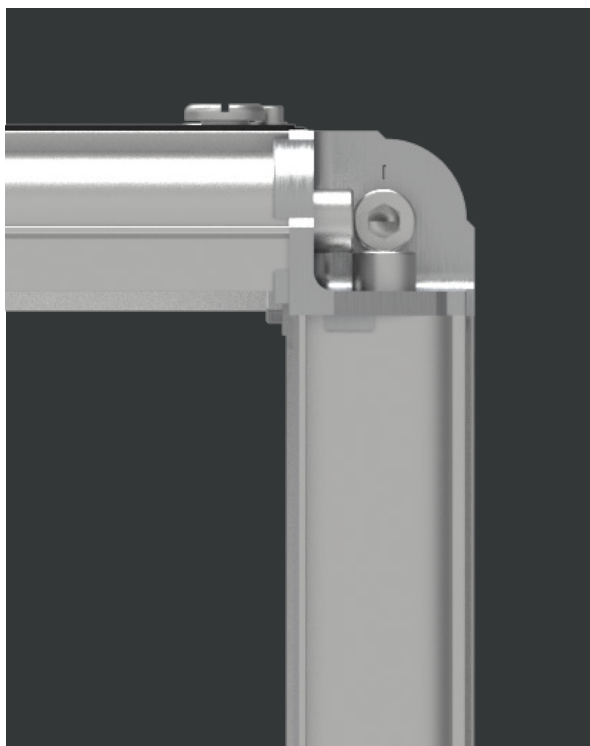
Such cabinets generally have a bearing frame in the shape of a rectangular prism, formed by properly assembling horizontal and vertical profiles with hollow interiors or constituted from many channels opened in the interior thereof.

Miscellaneous corner connectors have been employed in the prior art to assemble such horizontal and vertical profiles, thus forming the bearing frame. Said corner connectors have three profile-contacting surfaces, making contacts with coordinate - x, -y, and -z profiles. This surface generally comprises a protrusion providing the engagement adapted to one of the profile channels. Thanks to this characteristic the profiles are assembled and the bearing frame of cabinet formed.

Patent EP 0 686 316 81 discloses such a cabinet embodiment, used for electrical electronic equipment.

Nevertheless, the bearing frame of equipment cabinet racks with the aforementioned characteristics cannot be provided with the desired stability characteristics. It is because that such kind of connection made on just one single protrusion of such corner connectors always bears the risk of unwanted profile displacements and flexions possibly to happen on x, y, or z coordinates or 01 diagonal directions.





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KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
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