

 **QUADRITALIA**

PROTECTION FOR YOUR ELECTRONICS

# OK

## OK SERIES ENCLOSURES



Supplement to the General Catalogue  
**21.b**



 **QUADRITALIA**®

THE NEW WAY TO THINK  
FLOOR-STANDING ENCLOSURES

**OK SERIES  
ENCLOSURES**  
- PATENTED -



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## TODAY'S AUTOMATION MARKET REQUIRES ELECTRIC ENCLOSURES WITH SUPERIOR FEATURES:

- STRENGTH.....**OK !**
- QUALITY.....**OK !**
- MODERATE PRICES.....**OK !**
- REDUCED DIMENSIONS .....**OK !**



- **QUADRITALIA DESIGNED** THESE NEW ENCLOSURES TO MEET ALL KINDS OF REQUIREMENTS
- **QUADRITALIA HAS DEVELOPED** THESE ENCLOSURES OVER A PERIOD OF 20 YEARS OF EXPERTISE
- **QUADRITALIA TESTS** THE PRODUCTS' STRUCTURES, WHICH UNDERGO SEVERE CONTROLS
- **QUADRITALIA KEEPS DOWN** THE COSTS, LIMITING THEM TO THE MINIMUM, WITHOUT COMPROMISING ON THE QUALITY OF THE PRODUCT AND OF THE ACCESSORIES



## Today We Can Say That Everything is **OK !**





*Introducing our newborn:*  
**THE ENCLOSURE THAT SATISFIES ALL REQUIREMENTS!**



**Available configurations:**



**OK Kit** - DISASSEMBLED ENCLOSURE IN FLAT PACK,  
*for an efficient warehouse*



**OK Basic** - BASIC ASSEMBLED ENCLOSURE,  
*the classic enclosure*



**OK Plus** - BASIC ASSEMBLED WELDED ENCLOSURE,  
*for heavy loads*

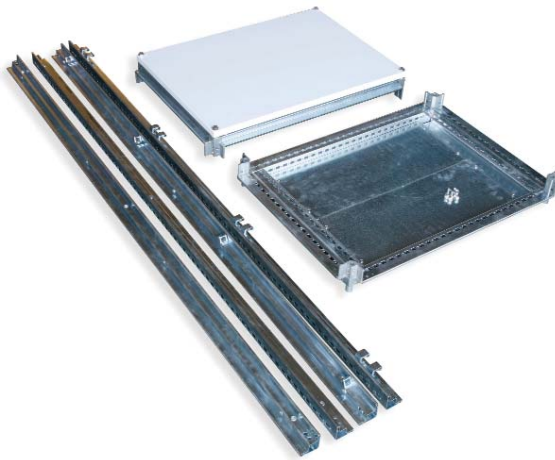
**OK K** - FLAT PACK


Fig. 6.1

The frame is supplied as a Kit.

The package includes:

- N° 4 Vertical elements;
- N° 1 Base with cable entry plates sealing the bottom;
- N° 1 Roof with removable panel;
- Set of screws for cabinet assembly.

*on request:*

- Door, rear panel, mounting plate and one pair of side panels (supplied in individual packages)

**OK B** - BASIC ASSEMBLED ENCLOSURE

The classic configuration, consisting of:

- Assembled frame with removable roof and cable entry base sealing flanges, blind door, rear panel and front plate.

*on request:*

- Side panels and plinths



Fig. 6.2

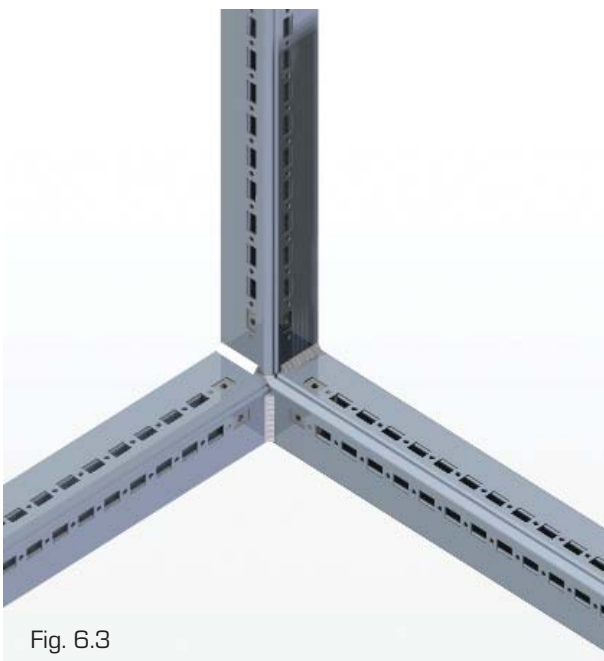
**OK P** - ASSEMBLED AND WELDED ENCLOSURE


Fig. 6.3

The **"Basic" "B"** configuration with an entirely welded frame.



Fig. 7.1

Fig. 7.1 packaging of the enclosure kit

**OK Basic and Plus  
COMPLETING PANELS**  
[Available on request]

Blind doors, transparent doors, rear panels and mounting plates are the same as in the AX, AZ, AF, AS enclosure series.

Refer to Catalogue n. 21 for codes and dimensions, respectively to page 19, 20, 21, 22 and 25.

Fig. 7.3 shows the complete OKK kit, assembled with the above-mentioned elements. On request the plinth H=100 or H=200 mm can be supplied.

**OK K - Flat pack**

In this version the enclosure is supplied disassembled, in individual packages.

One package contains four vertical elements, the second includes the base complete with assembled cable entry flanges and the top complete with assembled and removable upper panel and a set of screws.

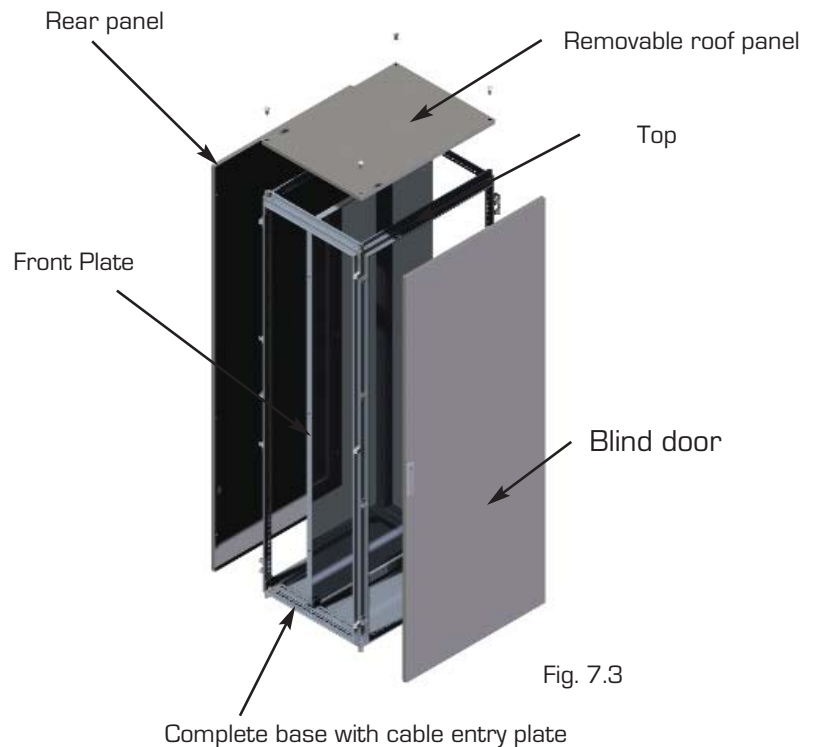


Fig. 7.3

**Other common elements - references to detailed descriptions on General Catalogue n. 21:**

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**OK K, B, P** Single door enclosure, H=1600: characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions							Internal Plate	
			H	L	P	G	I	R	T	X	Y
OKK1664	OKB1664	OKP1664	1600	600	400	534	334	329	303	490	1480
OKK1665	OKB1665	OKP1665	1600	600	500	534	434	329	403	490	1480
OKK1666	OKB1666	OKP1666	1600	600	600	534	534	329	503	490	1480
OKK1684	OKB1684	OKP1684	1600	800	400	734	334	529	303	690	1480
OKK1685	OKB1685	OKP1685	1600	800	500	734	434	529	403	690	1480
OKK1686	OKB1686	OKP1686	1600	800	600	734	534	529	503	690	1480
OKK16A4	OKB16A4	OKP16A4	1600	1000	400	934	334	729	303	890	1480
OKK16A5	OKB16A5	OKP16A5	1600	1000	500	934	434	729	403	890	1480
OKK16A6	OKB16A4	OKP16A6	1600	1000	600	934	534	729	503	890	1480

**OK K, B, P** Single door enclosure, H=1800: characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions							Internal Plate	
			H	L	P	G	I	R	T	X	Y
OKK1844	OKB1844	OKP1844	1800	400	400	334	334	129	303	290	1680
OKK1845	OKB1845	OKP1845	1800	400	500	334	434	129	403	290	1680
OKK1846	OKB1846	OKP1846	1800	400	600	334	534	129	503	290	1680
OKK1848	OKB1848	OKP1848	1800	400	800	334	734	129	703	290	1680
OKK1864	OKB1864	OKP1864	1800	600	400	534	334	329	303	490	1680
OKK1865	OKB1865	OKP1865	1800	600	500	534	434	329	403	490	1680
OKK1866	OKB1866	OKP1866	1800	600	600	534	534	329	503	490	1680
OKK1868	OKB1868	OKP1868	1800	600	800	534	734	329	703	490	1680
OKK1884	OKB1884	OKP1884	1800	800	400	734	334	529	303	690	1680
OKK1885	OKB1885	OKP1885	1800	800	500	734	434	529	403	690	1680
OKK1886	OKB1886	OKP1886	1800	800	600	734	534	529	503	690	1680
OKK1888	OKB1888	OKP1888	1800	800	800	734	734	529	703	690	1680
OKK188A	OKB188A	OKP188A	1800	800	1000	734	934	529	903	690	1680
OKK18A4	OKB18A4	OKP18A4	1800	1000	400	934	334	729	303	890	1680
OKK18A5	OKB18A5	OKP18A5	1800	1000	500	934	434	729	403	890	1680
OKK18A6	OKB18A6	OKP18A6	1800	1000	600	934	534	729	503	890	1680
OKK18A8	OKB18A8	OKP18A8	1800	1000	800	934	734	729	703	890	1680
OKK18AA	OKB18AA	OKP18AA	1800	1000	1000	934	934	729	903	890	1680

**OK K, B, P** Single door enclosure, H=2000: characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions							Internal Plate	
			H	L	P	G	I	R	T	X	Y
OKK2044	OKB2044	OKP2044	2000	400	400	334	334	129	303	290	1880
OKK2045	OKB2045	OKP2045	2000	400	500	334	434	129	403	290	1880
OKK2046	OKB2046	OKP2046	2000	400	600	334	534	129	503	290	1880
OKK2048	OKB2048	OKP2048	2000	400	800	334	734	129	703	290	1880
OKK2064	OKB2064	OKP2064	2000	600	400	534	334	329	303	490	1880
OKK2065	OKB2065	OKP2065	2000	600	500	534	434	329	403	490	1880
OKK2066	OKB2066	OKP2066	2000	600	600	534	534	329	503	490	1880
OKK2068	OKB2068	OKP2068	2000	600	800	534	734	329	703	490	1880
OKK2084	OKB2084	OKP2084	2000	800	400	734	334	529	303	690	1880
OKK2085	OKB2085	OKP2085	2000	800	500	734	434	529	403	690	1880
OKK2086	OKB2086	OKP2086	2000	800	600	734	534	529	503	690	1880
OKK2088	OKB2088	OKP2088	2000	800	800	734	734	529	703	690	1880
OKK208A	OKB208A	OKP208A	2000	800	1000	734	934	529	903	690	1880
OKK20A4	OKB20A4	OKP20A4	2000	1000	400	934	334	729	303	890	1880
OKK20A5	OKB20A5	OKP20A5	2000	1000	500	934	434	729	403	890	1880
OKK20A6	OKB20A6	OKP20A6	2000	1000	600	934	534	729	503	890	1880
OKK20A8	OKB20A8	OKP20A8	2000	1000	800	934	734	729	703	890	1880
OKK20AA	OKB20AA	OKP20AA	2000	1000	1000	934	934	729	903	890	1880



**OK K, B, P** Single door enclosure, H=2200: characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions			Characteristic dimensions				Internal Plate	
			H	L	P	G	I	R	T	X	Y
OKK2264	OKB2264	OKP2264	2200	600	400	534	334	329	303	490	2080
OKK2265	OKB2265	OKP2265	2200	600	500	534	434	329	403	490	2080
OKK2266	OKB2266	OKP2266	2200	600	600	534	534	329	503	490	2080
OKK2268	OKB2268	OKP2268	2200	600	800	534	734	329	703	490	2080
OKK226A	OKB226A	OKP226A	2200	600	1000	534	934	329	903	490	2080
OKK2284	OKB2284	OKP2284	2200	800	400	734	334	529	303	690	2080
OKK2285	OKB2285	OKP2285	2200	800	500	734	434	529	403	690	2080
OKK2286	OKB2286	OKP2286	2200	800	600	734	534	529	503	690	2080
OKK2288	OKB2288	OKP2288	2200	800	800	734	734	529	703	690	2080
OKK228A	OKB228A	OKP228A	2200	800	1000	734	934	529	903	690	2080
OKK22A4	OKB22A4	OKP22A4	2200	1000	400	934	334	729	303	890	2080
OKK22A5	OKB22A5	OKP22A5	2200	1000	500	934	434	729	403	890	2080
OKK22A6	OKB22A6	OKP22A6	2200	1000	600	934	534	729	503	890	2080
OKK22A8	OKB22A8	OKP22A8	2200	1000	800	934	734	729	703	890	2080
OKK22AA	OKB22AA	OKP22AA	2200	1000	1000	934	934	729	903	890	2080

Dimensions in mm

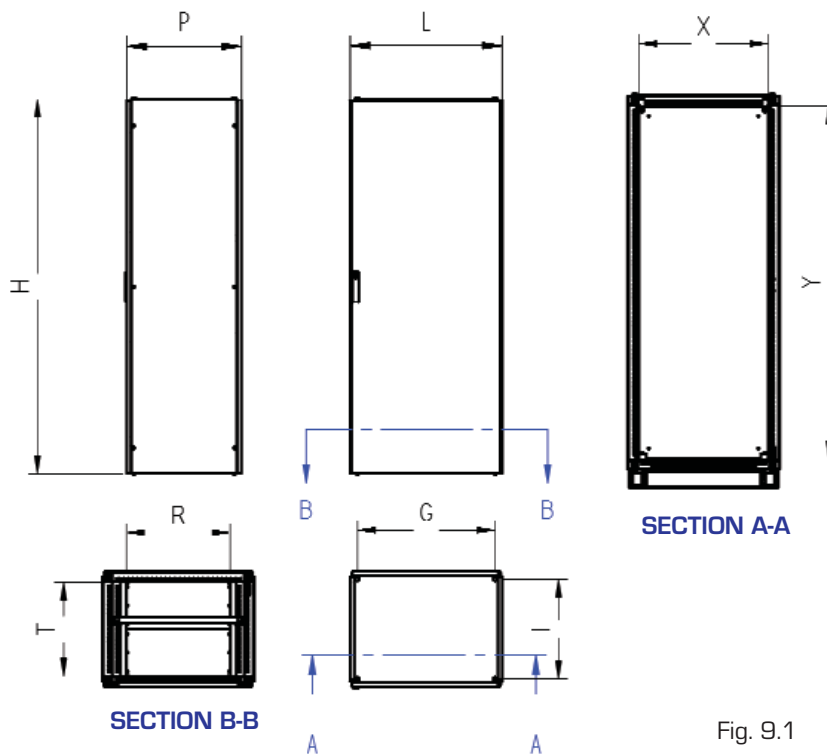


Fig. 9.1

Fig. 7.1 shows some typical dimensions expressed in mm.

G and I dimensions correspond to the space between the eyebolts and are the same as the ones on the base for the floor or plinth fixing of the cabinet.

R and T dimensions correspond to the width of the cable entry opening.

The frame and the cable entry plate are built entirely in pre-galvanized steel, while the external panels and the roof are painted gray **RAL 7035B**. The plinth (available on request) is painted black **RAL 9005**.

**OK K, B, P Double door enclosure, H=1600:** characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal Dimensions			Characteristics dimensions						Internal Plate	
			H	L	P	A	B	G	I	R	T	X	Y
OK K16C4	OK B16C4	OK P16C4	1600	1200	400	1594	1184	1134	334	953	303	1090	1480
OK K16C5	OK B16C5	OK P16C5	1600	1200	500	1594	1184	1134	434	953	403	1090	1480
OK K16C6	OK B16C6	OK P16C6	1600	1200	600	1594	1184	1134	534	953	503	1090	1480

**OK K, B, P Double door enclosure, H=1800:** characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions			Characteristics dimensions						Internal Plate	
			H	L	P	A	B	G	I	R	T	X	Y
OK K18C4	OK B18C4	OK P18C4	1800	1200	400	1794	1184	1134	334	953	303	1090	1680
OK K18C5	OK B18C5	OK P18C5	1800	1200	500	1794	1184	1134	434	953	403	1090	1680
OK K18C6	OK B18C6	OK P18C6	1800	1200	600	1794	1184	1134	534	953	503	1090	1680
OK K18C8	OK B18C8	OK P18C8	1800	1200	800	1794	1184	1134	734	953	703	1090	1680
OK K18CA	OK B18CA	OK P18CA	1800	1200	1000	1794	1184	1134	934	953	903	1090	1680
OK K18D4	OK B18D4	OK P18D4	1800	1400	400	1794	1384	1334	334	453*	303	1290	1680
OK K18D5	OK B18D5	OK P18D5	1800	1400	500	1794	1384	1334	434	453*	403	1290	1680
OK K18D6	OK B18D6	OK P18D6	1800	1400	600	1794	1384	1334	534	453*	503	1290	1680
OK K18D8	OK B18D8	OK P18D8	1800	1400	800	1794	1384	1334	734	453*	703	1290	1680
OK K18E4	OK B18E4	OK P18E4	1800	1600	400	1794	792*	1534	334	553*	303	1490	1680
OK K18E5	OK B18E5	OK P18E5	1800	1600	500	1794	792*	1534	434	553*	403	1490	1680
OK K18E6	OK B18E6	OK P18E6	1800	1600	600	1794	792*	1534	534	553*	503	1490	1680
OK K18E8	OK B18E8	OK P18E8	1800	1600	800	1794	792*	1534	734	553*	703	1490	1680

**OK K, B, P Double door enclosure, H=2000:** characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions			Characteristics dimensions						Internal Plate	
			H	L	P	A	B	G	I	R	T	X	Y
OK K20C4	OK B20C4	OK P20C4	2000	1200	400	1994	1184	1134	334	953	303	1090	1880
OK K20C5	OK B20C5	OK P20C5	2000	1200	500	1994	1184	1134	434	953	403	1090	1880
OK K20C6	OK B20C6	OK P20C6	2000	1200	600	1994	1184	1134	534	953	503	1090	1880
OK K20C8	OK B20C8	OK P20C8	2000	1200	800	1994	1184	1134	734	953	703	1090	1880
OK K20CA	OK B20CA	OK P20CA	2000	1200	1000	1994	1184	1134	934	953	903	1090	1880
OK K20D4	OK B20D4	OK P20D4	2000	1400	400	1994	1384	1334	334	453*	303	1290	1880
OK K20D5	OK B20D5	OK P20D5	2000	1400	500	1994	1384	1334	434	453*	403	1290	1880
OK K20D6	OK B20D6	OK P20D6	2000	1400	600	1994	1384	1334	534	453*	503	1290	1880
OK K20D8	OK B20D8	OK P20D8	2000	1400	800	1994	1384	1334	734	453*	703	1290	1880
OK K20E4	OK B20E4	OK P20E4	2000	1600	400	1994	792*	1534	334	553*	303	1490	1880
OK K20E5	OK B20E5	OK P20E5	2000	1600	500	1994	792*	1534	434	553*	403	1490	1880
OK K20E6	OK B20E6	OK P20E6	2000	1600	600	1994	792*	1534	534	553*	503	1490	1880
OK K20E8	OK B20E8	OK P20E8	2000	1600	800	1994	792*	1534	734	553*	703	1490	1880

**OK K, B, P Double door enclosure, H=2200**: characteristic codes and dimensions

OK K CODE	OK B CODE	OK P CODE	Nominal dimensions			Characteristics dimensions						Internal Plate	
			H	L	P	A	B	G	I	R	T	X	Y
OK K22C4	OK B22C4	OK P22C4	2200	1200	400	2194	1184	1134	334	953	303	1090	2080
OK K22C5	OK B22C5	OK P22C5	2200	1200	500	2194	1184	1134	434	953	403	1090	2080
OK K22C6	OK B22C6	OK P22C6	2200	1200	600	2194	1184	1134	534	953	503	1090	2080
OK K22C8	OK B22C8	OK P22C8	2200	1200	800	2194	1184	1134	734	953	703	1090	2080
OK K22CA	OK B22CA	OK P22CA	2200	1200	1000	2194	1184	1134	934	953	903	1090	2080
OK K22D5	OK B22D5	OK P22D5	2200	1400	500	2194	1384	1334	434	453*	403	1290	2080
OK K22D6	OK B22D6	OK P22D6	2200	1400	600	2194	1384	1334	534	453*	503	1290	2080
OK K22D8	OK B22D8	OK P22D8	2200	1400	800	2194	1384	1334	734	453*	703	1290	2080
OK K22E5	OK B22E5	OK P22E5	2200	1600	500	2194	792*	1534	434	553*	403	1490	2080
OK K22E6	OK B22E6	OK P22E6	2200	1600	600	2194	792*	1534	534	553*	503	1490	2080
OK K22E8	OK B22E8	OK P22E8	2200	1600	800	2194	792*	1534	734	553*	703	1490	2080

Dimensions in mm

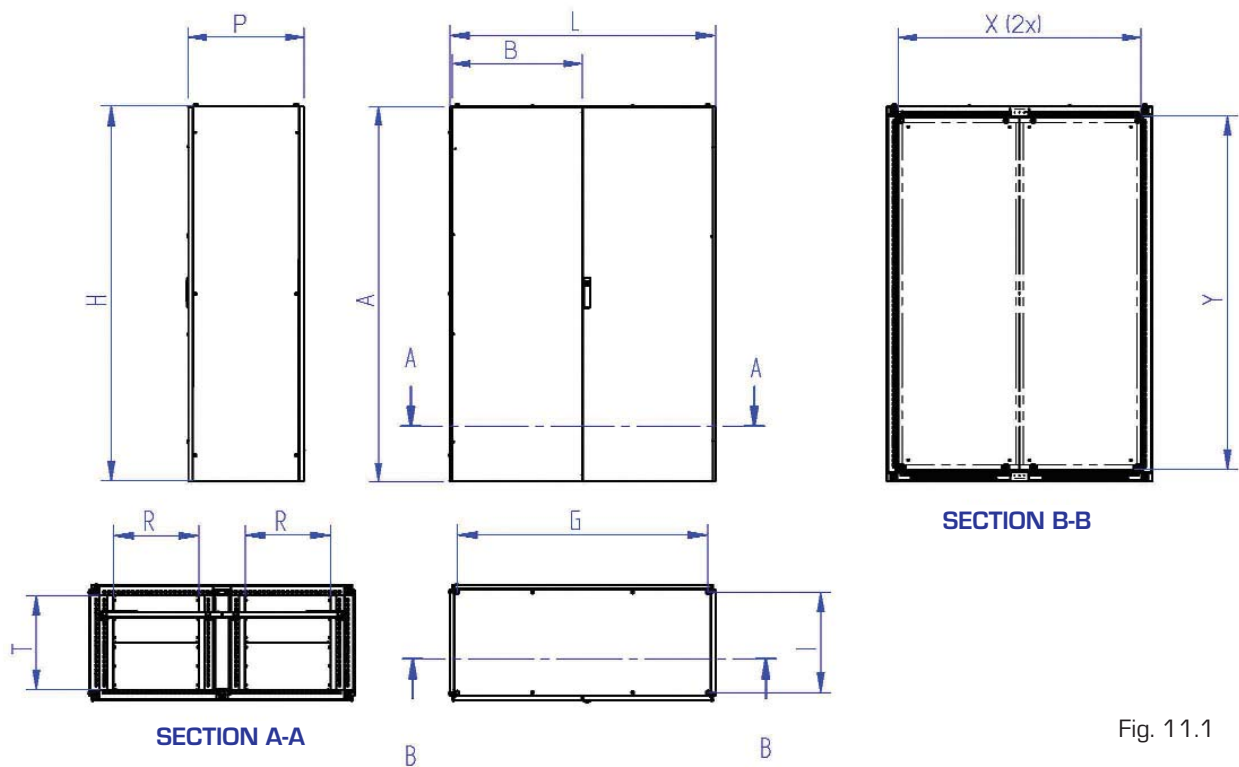


Fig. 11.1

Fig. 11.1 shows some typical dimensions expressed in mm.

**G** and **I** dimensions correspond to the space between the eyebolts and are the same as the ones on the base for the ground or plinth fixing of the cabinet.

**R** and **T** dimensions correspond to the width of the cable entry opening.

The frame and the cable entry plate are built entirely in pre-galvanized steel, while the external panels and the roof are painted gray **RAL 7035B**. The plinth (available on request) is painted black **RAL 9005**.

The cabinet doors are designed to be used in the various types of product frames: **OK**, AX, AF and AS. The doors can therefore be applied to all frames. They are built of 2 mm thick sheet steel and are equipped with symmetrically welded hinges with respect to the height of the door, so that they are reversible and have an opening of 120°, which can be increased to 180° on request. A foam gasket that adapts perfectly to the frame along the internal perimeter of the door, which is also reinforced around the perimeter with a perforated and galvanized square tube frame, attached to electro-welded

screws and joined at the corners with a pressure die cast mortise element, which also makes possible to attach the cable cable chamber and any specific accessories for the door.

The lock uses a lever-bolt system placed in the external portion between the edge of the door and the sealing gasket, which can be hooked to the frame in four points with the type of handle chosen by the customer.

Each door is equipped with M6 screws for the earth connection, to guarantee electrical continuity with the structure.

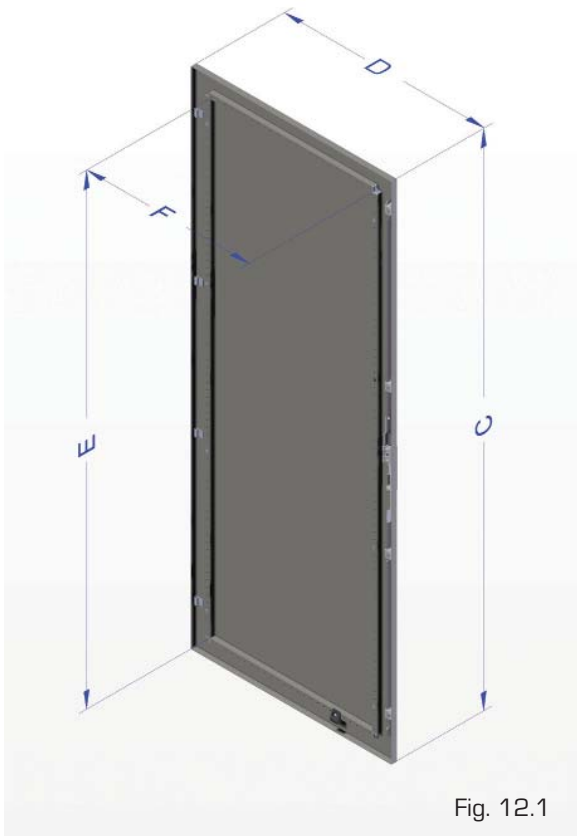


Fig. 12.1

**CODES AND DIMENSIONS, 800 AND 1000 MM  
BLIND DOOR WITH RABBETS**

CODE	Nominal dimensions		Characteristic dimensions			
	H	L	C	D	E	F
<b>DBE1682</b>	1600	800	1594	392 <sup>[2]</sup>	1444	240 <sup>[2]</sup>
<b>DBE1882</b>	1800	800	1794	392 <sup>[2]</sup>	1644	240 <sup>[2]</sup>
<b>DBE2082</b>	2000	800	1994	392 <sup>[2]</sup>	1844	240 <sup>[2]</sup>
<b>DBE2282</b>	2200	800	2194	392 <sup>[2]</sup>	2044	240 <sup>[2]</sup>
<b>DBE18A2</b>	1800	1000	1794	492 <sup>[2]</sup>	1644	340 <sup>[2]</sup>
<b>DBE20A2</b>	2000	1000	1994	492 <sup>[2]</sup>	1844	340 <sup>[2]</sup>
<b>DBE22A2</b>	2200	1000	2194	492 <sup>[2]</sup>	2044	340 <sup>[2]</sup>

**CODES AND DIMENSIONS OF BLIND DOOR**

CODE	Nominal dimensions		Characteristics dimensions			
	H	L	C	D	E	F
<b>DBE126</b>	1200	600	1194	592	1044	440
<b>DBE128</b>	1200	800	1194	792	1044	640
<b>DBE12A</b>	1200	1000	1194	992	1044	340 <sup>[2]</sup>
<b>DBE12C</b>	1200	1200	1194	592 <sup>[2]</sup>	1044	440 <sup>[2]</sup>
<b>DBE146</b>	1400	600	1394	592	1244	440
<b>DBE148</b>	1400	800	1394	792	1244	640
<b>DBE14A</b>	1400	1000	1394	992	1244	340 <sup>[2]</sup>
<b>DBE14C</b>	1400	1200	1394	592 <sup>[2]</sup>	1244	440 <sup>[2]</sup>
<b>DBE166</b>	1600	600	1594	592	1444	440
<b>DBE168</b>	1600	800	1594	792	1444	640
<b>DBE16A</b>	1600	1000	1594	992	1444	340 <sup>[2]</sup>
<b>DBE16C</b>	1600	1200	1594	592 <sup>[2]</sup>	1444	440 <sup>[2]</sup>
<b>DBE184</b>	1800	400	1794	392	1644	240
<b>DBE186</b>	1800	600	1794	592	1644	440
<b>DBE188</b>	1800	800	1794	792	1644	640
<b>DBE18A</b>	1800	1000	1794	992	1644	340 <sup>[2]</sup>
<b>DBE18C</b>	1800	1200	1794	592 <sup>[2]</sup>	1644	440 <sup>[2]</sup>
<b>DBE18D</b>	1800	1400	1794	692 <sup>[2]</sup>	1644	540 <sup>[2]</sup>
<b>DBE18E</b>	1800	1600	1794	792 <sup>[2]</sup>	1644	640 <sup>[2]</sup>
<b>DBE204</b>	2000	400	1994	392	1844	240
<b>DBE206</b>	2000	600	1994	592	1844	440
<b>DBE208</b>	2000	800	1994	792	1844	640
<b>DBE20A</b>	2000	1000	1994	992	1844	340 <sup>[2]</sup>
<b>DBE20C</b>	2000	1200	1994	592 <sup>[2]</sup>	1844	440 <sup>[2]</sup>
<b>DBE20D</b>	2000	1400	1994	692 <sup>[2]</sup>	1844	540 <sup>[2]</sup>
<b>DBE20E</b>	2000	1600	1994	792 <sup>[2]</sup>	1844	640 <sup>[2]</sup>
<b>DBE226</b>	2200	600	2194	592	2044	440
<b>DBE228</b>	2200	800	2194	792	2044	640
<b>DBE22A</b>	2200	1000	2194	992	2044	340 <sup>[2]</sup>
<b>DBE22C</b>	2200	1200	2194	592 <sup>[2]</sup>	2044	440 <sup>[2]</sup>
<b>DBE22D</b>	2200	1400	2194	692 <sup>[2]</sup>	2044	540 <sup>[2]</sup>
<b>DBE22E</b>	2200	1600	2194	792 <sup>[2]</sup>	2044	640 <sup>[2]</sup>

## DTE - TRANSPARENT DOOR

for frames OK, AX, AF and AS

**QUADRITALIA**

Like the blind doors, the transparent doors are designed for all of the OK, AX, AF and AS frames and their construction characteristics and techniques are identical.

The substantial difference lies in the large window in the central portion of the door, which is covered with a 4 mm sheet of Polymethyl methacrylate (PMMA) in conformity with ASTM, DIN and ISO norms on the required physical, optical and electro-mechanical properties. This sheet of PMMA is fixed to the door with a double adhesive closed cell acry-

lic film that is shock and temperature resistant. When the cabinet is placed in an environment where there are particularly aggressive conditions (high humidity, vapours containing chemical solvents, temperatures over 85° C, frequent external shocks, etc.) a special galvanised sheet metal pressure section may be requested and quoted separately, to be fixed to the tubular door reinforcement, which increases the stability of the film attachment (see fig. 13.1).

### CODES AND DIMENSIONS OF TRANSPARENT DOORS

CODE	Nominal dimensions		Characteristic dimensions					
	H	L	C	D	E	F	M	N
DTE126	1200	600	1194	592	1044	440	390	1010
DTE128	1200	800	1194	792	1044	640	590	1010
DTE12A	1200	1000	1194	992	1044	840	790	1010
DTE12C	1200	1200	1194	592 <sup>(2)</sup>	1044	440 <sup>(2)</sup>	390 <sup>(2)</sup>	1010
DTE146	1400	600	1394	592	1244	440	390	1210
DTE148	1400	800	1394	792	1244	640	590	1210
DTE14A	1400	1000	1394	992	1244	840	790	1210
DTE14C	1400	1200	1394	592 <sup>(2)</sup>	1244	440 <sup>(2)</sup>	390 <sup>(2)</sup>	1210
DTE166	1600	600	1594	592	1444	440	390	1410
DTE168	1600	800	1594	792	1444	640	590	1410
DTE16A	1600	1000	1594	992	1444	840	790	1410
DTE16C	1600	1200	1594	592 <sup>(2)</sup>	1444	440 <sup>(2)</sup>	390 <sup>(2)</sup>	1410
DTE186	1800	600	1794	592	1644	440	390	1610
DTE188	1800	800	1794	792	1644	640	590	1610
DTE18A	1800	1000	1794	992	1644	840	790	1610
DTE18C	1800	1200	1794	592 <sup>(2)</sup>	1644	440 <sup>(2)</sup>	390 <sup>(2)</sup>	1610
DTE18E	1800	1600	1794	792 <sup>(2)</sup>	1644	640 <sup>(2)</sup>	590 <sup>(2)</sup>	1610
DTE206	2000	600	1994	592	1844	440	390	1810
DTE208	2000	800	1994	792	1844	640	590	1810
DTE20A	2000	1000	1994	992	1844	840	790	1810
DTE20C	2000	1200	1994	592 <sup>(2)</sup>	1844	440 <sup>(2)</sup>	390 <sup>(2)</sup>	1810
DTE20E	2000	1600	1994	792 <sup>(2)</sup>	1844	640 <sup>(2)</sup>	590 <sup>(2)</sup>	1810
DTE226	2200	600	2194	592	2044	440	390	2010
DTE228	2200	800	2194	792	2044	640	590	2010
DTE22A	2200	1000	2194	992	2044	840	790	2010
DTE22C	2200	1200	2194	592 <sup>(2)</sup>	2044	440 <sup>(2)</sup>	390 <sup>(2)</sup>	2010



Fig. 13.1

- The H and L dimensions shown in the table refer to the nominal measurements of the cabinet;
- <sup>(2)</sup> Cabinets having a width of 1200 or 1600 mm have two doors with rabbets;
- Cabinets having a width of 800 and 1000 mm may also have two doors with rabbets, on request <sup>(3)</sup>.

### CODES AND DIMENSIONS OF TRANSPARENT DOORS WITH RABBETS MEASURING 800 AND 1000 MM. <sup>(3)</sup>

CODE	Nominal dimensions		Characteristic dimensions					
	H	L	C	D	E	F	M	N
DTE128	1200	800	1194	392 <sup>(2)</sup>	1044	240 <sup>(2)</sup>	190 <sup>(2)</sup>	1010
DTE12A	1200	1000	1194	492 <sup>(2)</sup>	1044	340 <sup>(2)</sup>	290 <sup>(2)</sup>	1010
DTE148	1400	800	1394	392 <sup>(2)</sup>	1244	240 <sup>(2)</sup>	190 <sup>(2)</sup>	1210
DTE14A	1400	1000	1394	492 <sup>(2)</sup>	1244	340 <sup>(2)</sup>	290 <sup>(2)</sup>	1210
DTE168	1600	800	1594	392 <sup>(2)</sup>	1444	240 <sup>(2)</sup>	190 <sup>(2)</sup>	1410
DTE16A	1600	1000	1594	492 <sup>(2)</sup>	1444	340 <sup>(2)</sup>	290 <sup>(2)</sup>	1410

CODE	Nominal dimensions		Characteristic dimensions					
	H	L	C	D	E	F	M	N
DTE188	1800	800	1794	392 <sup>(2)</sup>	1644	240 <sup>(2)</sup>	190 <sup>(2)</sup>	1610
DTE18A	1800	1000	1794	492 <sup>(2)</sup>	1644	340 <sup>(2)</sup>	290 <sup>(2)</sup>	1610
DTE208	2000	800	1994	392 <sup>(2)</sup>	1844	240 <sup>(2)</sup>	190 <sup>(2)</sup>	1810
DTE20A	2000	1000	1994	492 <sup>(2)</sup>	1844	340 <sup>(2)</sup>	290 <sup>(2)</sup>	1810
DTE228	2200	800	2194	392 <sup>(2)</sup>	2044	240 <sup>(2)</sup>	190 <sup>(2)</sup>	2010
DTE22A	2200	1000	2194	492 <sup>(2)</sup>	2044	340 <sup>(2)</sup>	290 <sup>(2)</sup>	2010

The universal rear panel of OK, AX and AF cabinets is built of 2 mm thick press-bent sheet steel and is attached to the rear part of the cabinet with six or eight convex circular Phillips-head M6 screws and six or eight quick release clip on strut. The panel has a gasket that adapts perfectly to the structure of the cabinet along the perimeter, which provides IP 55 [see Fig. 14.1]. It is also possible to request

special boring according to specifications [for customised production].

The rear panels of cabinets having a width greater than 1400 mm are double and are fixed to the sides of the vertical central strut of the structure [see figures 14.2 and 14.3].

### CODES AND DIMENSIONS OF REAR PANELS

CODE	Nominal dimensions		Characteristics dimensions	
	H	L	B	A
RPE126	1200	600	1194	592
RPE128	1200	800	1194	792
RPE12A	1200	1000	1194	992
RPE12C	1200	1200	1194	1192
RPE146	1400	600	1394	592
RPE148	1400	800	1394	792
RPE14A	1400	1000	1394	992
RPE14C	1400	1200	1394	1192
RPE166	1600	600	1594	592
RPE168	1600	800	1594	792
RPE16A	1600	1000	1594	992
RPE16C	1600	1200	1594	1192
RPE184	1800	400	1794	392
RPE186	1800	600	1794	592
RPE188	1800	800	1794	792
RPE18A	1800	1000	1794	992
RPE18C	1800	1200	1794	1192
RPE18D	1800	1400	1794	1392
RPE18E	1800	1600	1794	792 <sup>(*)</sup>
RPE204	2000	400	1994	392
RPE206	2000	600	1994	592
RPE208	2000	800	1994	792
RPE20A	2000	1000	1994	992
RPE20C	2000	1200	1994	1192
RPE20D	2000	1400	1994	1392
RPE20E	2000	1600	1994	792 <sup>(*)</sup>
RPE20F	2000	1800	1994	892 <sup>(*)</sup>
RPE226	2200	600	2194	592
RPE228	2200	800	2194	792
RPE22A	2200	1000	2194	992
RPE22C	2200	1200	2194	1192
RPE22D	2200	1400	2194	1392
RPE22E	2200	1600	2194	792 <sup>(*)</sup>

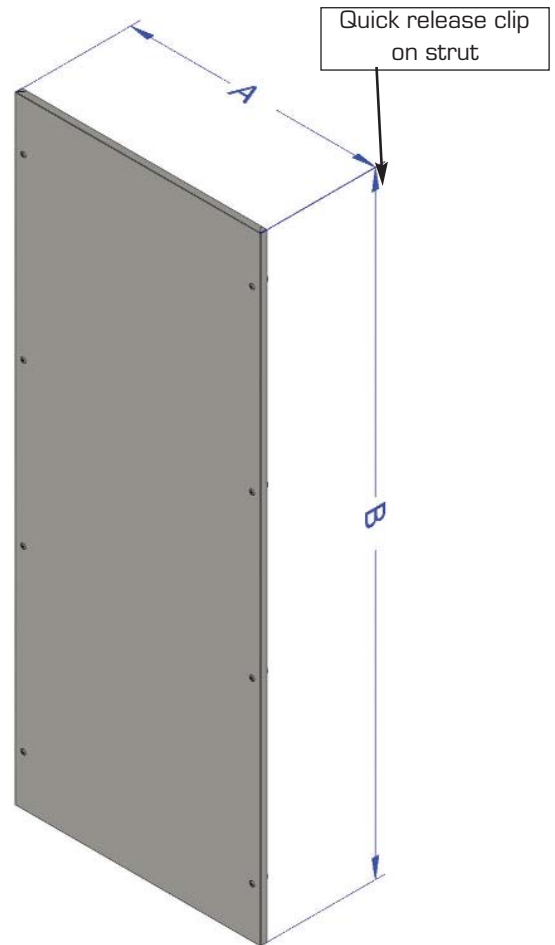


Fig. 14.1

- Dimensions in mm  
 - [\*] The rear panels of cabinets having a width of 1600 or 1800 mm are made of two elements [see <sup>(\*)</sup> shown at side].



Fig. 14.2

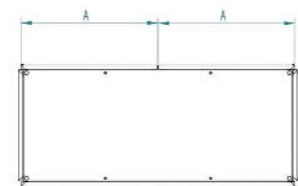


Fig. 14.3

## SL K - Side Panels

for **OK** enclosures frames

The side panels are supplied in individual packages. They are fixed to the frame with **M6** screws and spacers with quick release clips on the uprights.

The side panels in the standard version are blind, but they can be drilled according to customer specifications. They are painted **RAL 7035B**.

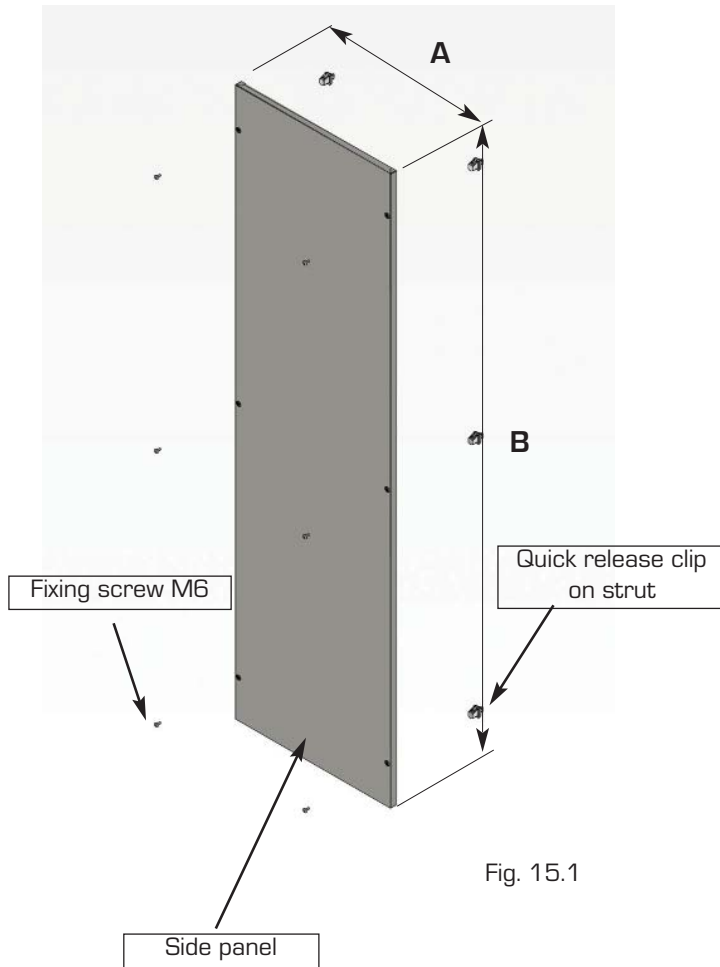


Fig. 15.1

### SLK - OK series single side panels

CODE	Nominal dimensions		Characteristic dimensions	
	H	L	B	A
<b>SLK164</b>	1600	400	1594	362
<b>SLK165</b>	1600	500	1594	462
<b>SLK166</b>	1600	600	1594	562
<b>SLK184</b>	1800	400	1794	362
<b>SLK185</b>	1800	500	1794	462
<b>SLK186</b>	1800	600	1794	562
<b>SLK188</b>	1800	800	1794	762
<b>SLK18A</b>	1800	1000	1794	962
<b>SLK204</b>	2000	400	1994	362
<b>SLK205</b>	2000	500	1994	462
<b>SLK206</b>	2000	600	1994	562
<b>SLK208</b>	2000	800	1994	762
<b>SLK20A</b>	2000	1000	1994	962
<b>SLK224</b>	2200	400	2194	362
<b>SLK225</b>	2200	500	2194	462
<b>SLK226</b>	2200	600	2194	562
<b>SLK228</b>	2200	800	2194	762
<b>SLK22A</b>	2200	1000	2194	962

### DLK - OK series double side panels

CODE	Nominal dimensions		Characteristic dimensions	
	H	L	B	A
<b>DLK164</b>	1600	400	1594	362
<b>DLK165</b>	1600	500	1594	462
<b>DLK166</b>	1600	600	1594	562
<b>DLK184</b>	1800	400	1794	362
<b>DLK185</b>	1800	500	1794	462
<b>DLK186</b>	1800	600	1794	562
<b>DLK188</b>	1800	800	1794	762
<b>DLK18A</b>	1800	1000	1794	962
<b>DLK204</b>	2000	400	1994	362
<b>DLK205</b>	2000	500	1994	462
<b>DLK206</b>	2000	600	1994	562
<b>DLK208</b>	2000	800	1994	762
<b>DLK20A</b>	2000	1000	1994	962
<b>DLK224</b>	2200	400	2194	362
<b>DLK225</b>	2200	500	2194	462
<b>DLK226</b>	2200	600	2194	562
<b>DLK228</b>	2200	800	2194	762
<b>DLK22A</b>	2200	1000	2194	962

The sides are indicated with single or coupled supply codes.

The table on the right shows the codes and measurements of the side panels for the **OK** series.

They are available in packages consisting of a single panel as well as of a couple of side panels.

The package also includes the screw and clip set for the fixing of the frame uprights.

The electromechanical plates are built of 2.5 mm thick galvanized sheet steel, bent with a numerically controlled panel machine, which ensures maximum precision in the measurements of the finished piece. The plates are common to cabinets belonging to the OK, AX, AF and AS series and are adapted to the different features of construction with a specific series of assembly components (Code PPP100K). As shown in the plans (figures 16.1 and 16.2) they are a single piece up to a width of 1400 mm. They are built in two symmetric pieces [see fig. 16.2], positioned symmetrically with respect to the center of the cabinet and joined together with screws, which are fixed with the

same tools (PPP100K x 2) as the one built in a single piece. Normally this type of plate is inserted in the cabinet from the front, positioned and fixed at the desired depth according to the user's specific requirements.

The minimum distance is 75 mm from the plate surface to the inner door. The maximum distance is obtained by placing the electromechanical plate in the farthest position from the door, flush with the depth of the cabinet, diminished by 96 mm. It is possible to fix the plate between the rear vertical elements. In this case extra 40 mm is gained with respect to the previous example.

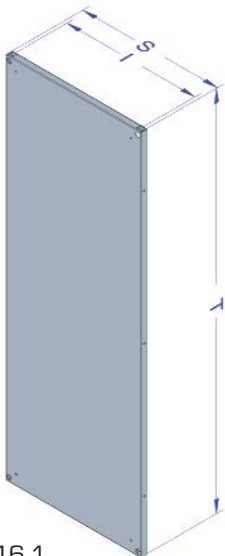


Fig. 16.1

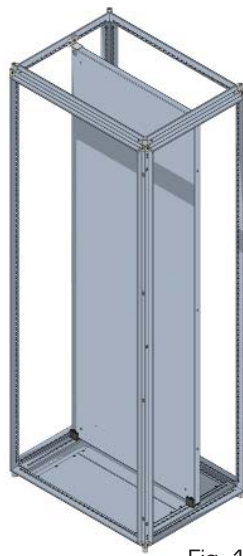


Fig. 16.2

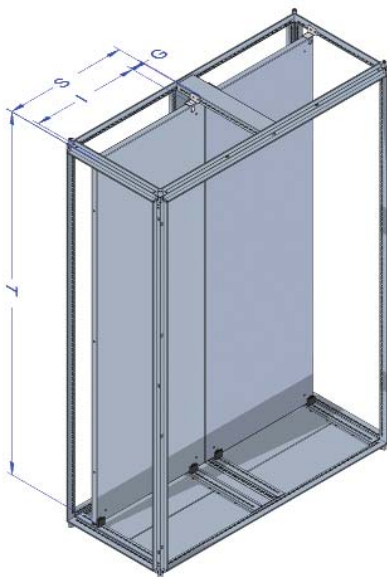


Fig. 16.3

- [\*] The plates are doubled and symmetric, therefore they refer to the situation shown in figure 16.3

### PNA - CODE AND DIMENSIONS

CODE	Nominal dimensions		Characteristic dimensions			
	H	L	T	S	I	G
<b>PNA126</b>	1200	600	1080	490	452	-
<b>PNA128</b>	1200	800	1080	690	652	-
<b>PNA12A</b>	1200	1000	1080	890	852	-
<b>PNA12C</b>	1200	1200	1080	1090	1052	-
<b>PNA146</b>	1400	600	1280	490	452	-
<b>PNA148</b>	1400	800	1280	690	652	-
<b>PNA14A</b>	1400	1000	1280	890	852	-
<b>PNA14C</b>	1400	1200	1280	1090	1052	-
<b>PNA166</b>	1600	600	1480	490	452	-
<b>PNA168</b>	1600	800	1480	690	652	-
<b>PNA16A</b>	1600	1000	1480	890	852	-
<b>PNA16C</b>	1600	1200	1480	1090	1052	-
<b>PNA184</b>	1800	400	1680	290	252	-
<b>PNA186</b>	1800	600	1680	490	452	-
<b>PNA188</b>	1800	800	1680	690	652	-
<b>PNA18A</b>	1800	1000	1680	890	852	-
<b>PNA18C</b>	1800	1200	1680	1090	1052	-
<b>PNA18D</b>	1800	1400	1680	1290	1252	-
<b>PNA18E</b>	1800	1600	1680	749[*]	660 [*]	67
<b>PNA204</b>	2000	400	1880	290	252	-
<b>PNA206</b>	2000	600	1880	490	452	-
<b>PNA208</b>	2000	800	1880	690	652	-
<b>PNA20A</b>	2000	1000	1880	890	852	-
<b>PNA20C</b>	2000	1200	1880	1090	1052	-
<b>PNA20D</b>	2000	1400	1880	1290	1252	-
<b>PNA20E</b>	2000	1600	1880	749[*]	660 [*]	67
<b>PNA226</b>	2200	600	2080	490	452	-
<b>PNA228</b>	2200	800	2080	690	652	-
<b>PNA22A</b>	2200	1000	2080	890	852	-
<b>PNA22C</b>	2200	1200	2080	1090	1052	-
<b>PNA22D</b>	2200	1400	2080	1290	1252	-
<b>PNA22E</b>	2200	1600	2080	749[*]	660 [*]	67

**Note:** Please see pag. 34 for information on the wide plate for OK



## FIXING OF THE MOUNTING PLATE ON THE OK ENCLOSURES

In comparison with the other series of enclosures, the **OK** series has a different system for the plate fixing to the upper part of the frame. The plate is fixed directly to the depth stringer (fig. 17.1) by the clamp in fig. 17.2 (right and left). It is fixed with the insertion of two external cage nuts on the side slots of the stringer in the desired position in depth with two screws TE f.r. M6x16.

Fig. 17.2

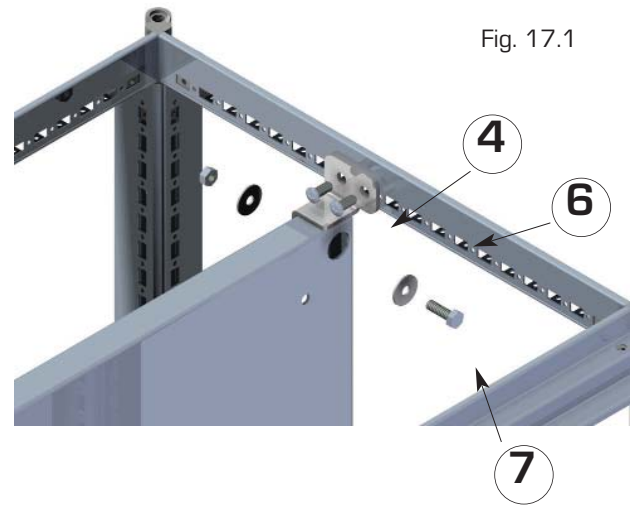
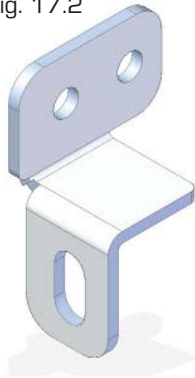
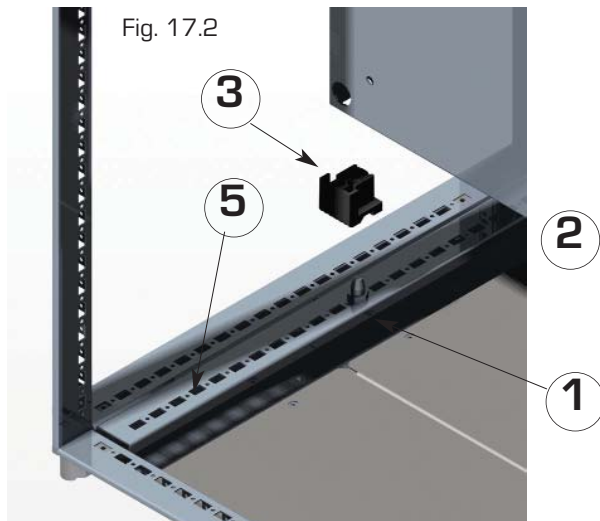


Fig. 17.1

The fixing set **PPK100** consists of:

- N° 2 Guide clamps (fig. 17.2) right and left;
- N° M8 Nuts;
- N° 2 Tapered pivots (PR100);
- N° 2 Plate slide caps (PDN100);
- N° 4 cage nuts (DGM900);
- N° 4 Screws TE f.r. M6X16;
- N° 2 Cage nuts (DGM800);
- N° 2 Screws TE M8x15;

Fig. 17.2

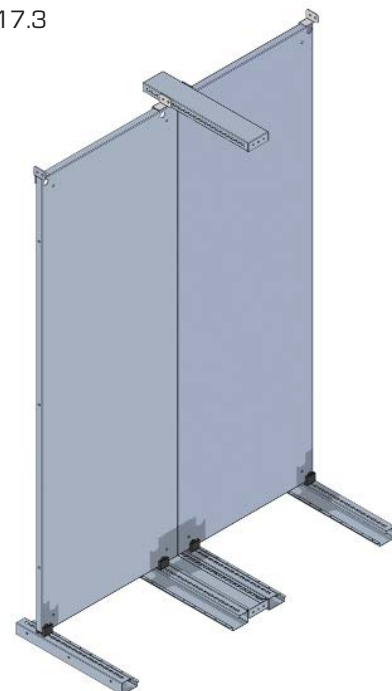


### INSTRUCTIONS FOR ASSEMBLY OF THE INTERNAL PLATE

- a) Insert the pins (2) and block them with the nuts (1) in the desired position on the two lower horizontal elements at the back of the frame (5);
- b) Attach the brackets (4) to the two upper crosspieces at the back of the frame (6) (make sure to place the anti-rotation tooth three bores forward with respect to the pin);
- c) Place the covers (3) over the special square openings of the plate;
- d) Insert the plate, sliding it in an inclined position, along the crosspieces, until it comes into contact with the pins (5);
- e) Place the plate against the upper brackets (4) and block it with the special screws (7).

### DOUBLE INTERNAL PLATE

Fig. 17.3



The **RLK CABLE CHAMBER** enclosure allows to place the cabinet in line with the side door, obtaining space for the cable chamber and the complementary equipment. It's a built-in structure, with no front and rear panels. The side opposite to the door is designed for side coupling with any OK enclosure. The door can be opened towards the left or the right. On the side designed for cable chamber-cabinet coupling, a blind or pre-bored electro mechanical plate can be installed.

*RLK cable chamber components:*

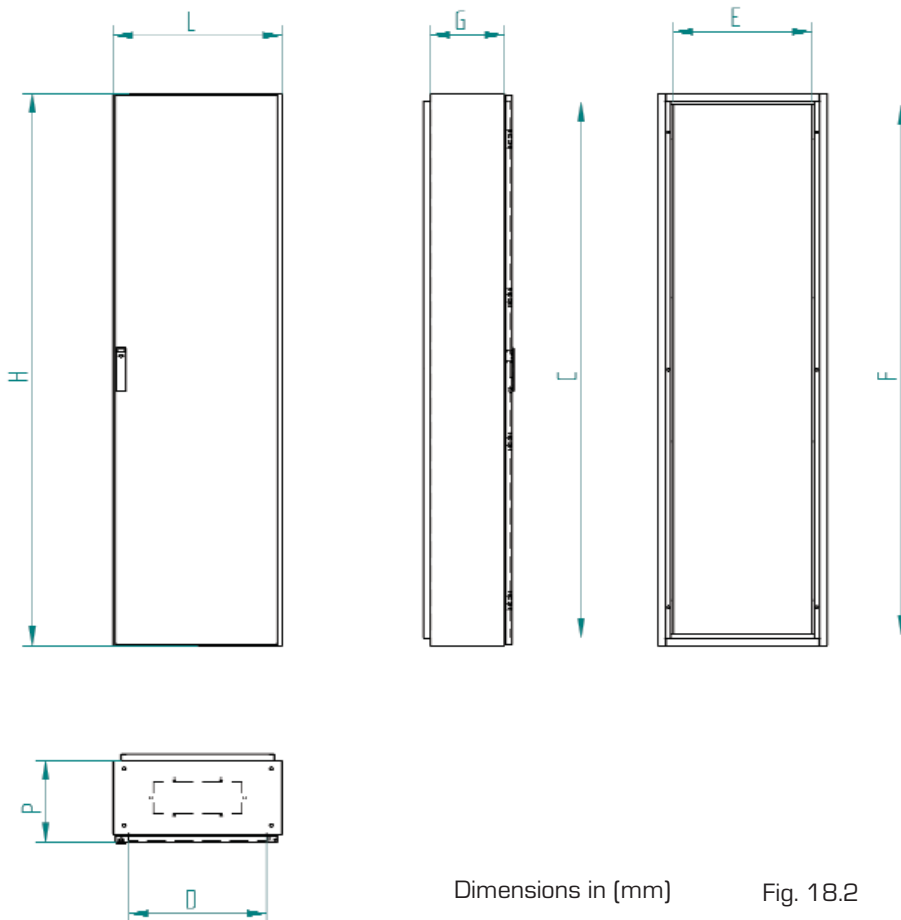
- a. press bent built-in bearing structure with blind roof and base allowing special room for cables;
- b. side door with reinforcing frame;
- c. screws set for joining the enclosures;
- d. foam gasket.

*additional components:*

- plinth (height 100 or 200 mm);
- mounting plate, blind or pre-bored.



Fig. 18.1



Dimensions in (mm)

Fig. 18.2



Fig. 18.3

## RLK - Side cable chamber for OK enclosures

Side cable chamber for OK enclosures **RLK** - Codes and dimensions

CODE	Nominal dimensions			Characteristics dimensions					Internal Plate	
	H	L	P	C	D	E	F	G	X	Y
<b>RLK 1642</b>	1600	400	200	1540	299	302	1519	170	375	1534
<b>RLK 1643</b>	1600	400	300	1540	299	302	1519	270	375	1534
<b>RLK 1652</b>	1600	500	200	1540	399	402	1519	170	475	1534
<b>RLK 1653</b>	1600	500	300	1540	399	402	1519	270	475	1534
<b>RLK 1662</b>	1600	600	200	1540	499	502	1519	170	575	1534
<b>RLK 1663</b>	1600	600	300	1540	499	502	1519	270	575	1534
<b>RLK 1852</b>	1800	500	200	1740	399	402	1719	170	475	1734
<b>RLK 1853</b>	1800	500	300	1740	399	402	1719	270	475	1734
<b>RLK 1862</b>	1800	600	200	1740	499	502	1719	170	575	1734
<b>RLK 1863</b>	1800	600	300	1740	499	502	1719	270	575	1734
<b>RLK 1882</b>	1800	800	200	1740	699	702	1719	170	775	1734
<b>RLK 1883</b>	1800	800	300	1740	699	702	1719	270	775	1734
<b>RLK 2052</b>	2000	500	200	1940	399	402	1919	170	475	1934
<b>RLK 2053</b>	2000	500	300	1940	399	402	1919	270	475	1934
<b>RLK 2062</b>	2000	600	200	1940	499	502	1919	170	575	1934
<b>RLK 2063</b>	2000	600	300	1940	499	502	1919	270	575	1934
<b>RLK 2082</b>	2000	800	200	1902	699	702	1919	170	775	1934
<b>RLK 2083</b>	2000	800	300	1902	699	702	1919	270	775	1934
<b>RLK 2262</b>	2200	600	200	2102	499	502	2119	170	575	2134
<b>RLK 2263</b>	2200	600	300	2102	499	502	2119	270	575	2134
<b>RLK 2282</b>	2200	800	200	2102	699	702	2119	170	775	2134
<b>RLK 2283</b>	2200	800	300	2102	699	702	2119	270	775	2134

### ASSEMBLY PROCEDURE:

1. place the gasket along the border of the cable chamber opposite to the door (fig. 19.1);
2. place the cable chamber near the cabinet;
3. Insert the external cage nuts into the side of the cabinet on the necessary fixing slots;
4. insert the screws from the inside of the cable chamber without tightening them;
5. adjust the cable chamber-cabinet coupling;
6. insert the plate and fix it with the screws to the distance pieces for the cable chamber.



Fig. 19.1

The **RFK** cable chamber enclosure can be installed in any position, central or lateral, in order to obtain a complementary or useful space for the enclosures it is connected to.

The structure is the same as for the **OKB** enclosure (see pg. 7-16), with reversible front door and rear panel fixed with screws.

**RFK** cable chamber components:

1. **OKK** frame with roof and base complete with cable entry flanges;
2. front door (opening towards left or right);
3. rear panel fixed with screws.

*on request:*

- plinth (H=100 ÷ 200 mm);
- mounting plate ;
- cabinets joining set;
- side part, in case the cabinet is assembled laterly.



Fig. 20.1

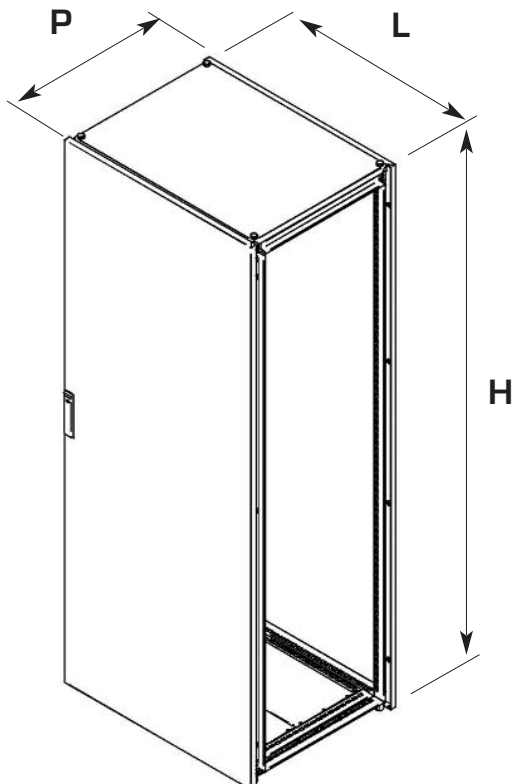


Fig. 20.2

**RFK** FRONT CABLE CHAMBER, CODES AND DIMENSIONS

CODE	Nominal dimensions		
	H	L	P
<b>RFK 1664</b>	1600	600	400
<b>RFK 1645</b>	1600	400	500
<b>RFK 1646</b>	1600	400	600
<b>RFK 1844</b>	1800	400	400
<b>RFK 1845</b>	1800	400	500
<b>RFK 1846</b>	1800	400	600
<b>RFK 1848</b>	1800	400	800
<b>RFK 2044</b>	2000	400	400
<b>RFK 2045</b>	2000	400	500
<b>RFK 2046</b>	2000	400	600
<b>RFK 2048</b>	2000	400	800
<b>RFK 2246</b>	2200	400	600
<b>RFK 2248</b>	2200	400	800

Refer to pages 12-13 for the characteristic dimensions, as in fact they are **OKB** series enclosures.

BLIND PLATE FOR SIDE CABLE CHAMBER RLK

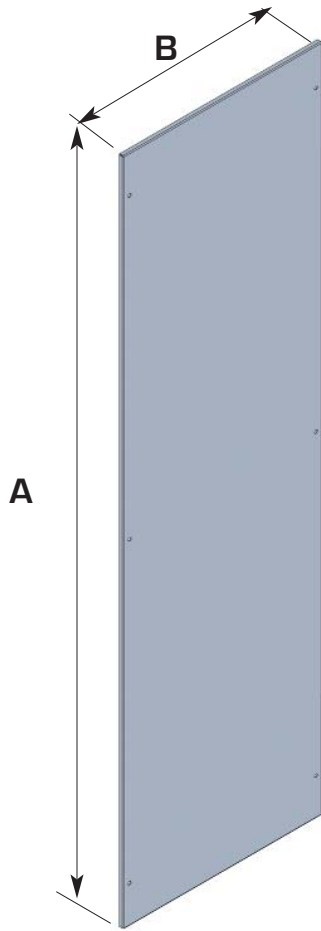


Fig. 21.1

PRE-BORED PLATE FOR SIDE CABLE CHAMBER RLK

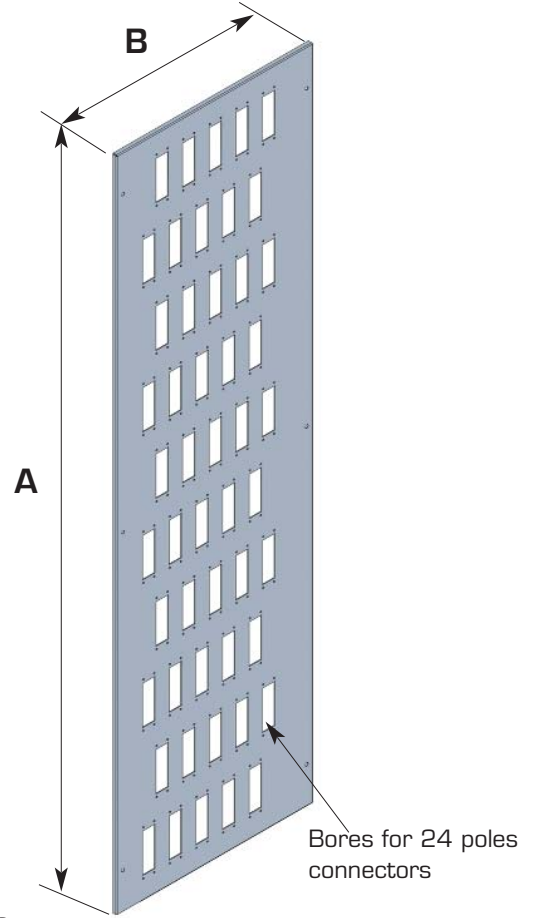


Fig. 21.2

CODES AND DIMENSIONS

CODE	Nominal dimensions		Characteristics dimensions	
	H	P	A	B
<b>PLC164K</b>	1600	400	1534	375
<b>PLC165K</b>	1600	500	1534	475
<b>PLC166K</b>	1600	600	1534	575
<b>PLC185K</b>	1800	500	1734	475
<b>PLC186K</b>	1800	600	1734	575
<b>PLC188K</b>	1800	800	1734	775
<b>PLC205K</b>	2000	500	1934	475
<b>PLC206K</b>	2000	600	1934	575
<b>PLC208K</b>	2000	800	1934	775
<b>PLC226K</b>	2200	600	2134	575
<b>PLC228K</b>	2200	800	2134	775

CODES AND DIMENSIONS

CODE	Nominal dimensions		Characteristics dimensions	
	H	P	A	B
<b>PLF164K</b>	1600	400	1534	375
<b>PLF165K</b>	1600	500	1534	475
<b>PLF166K</b>	1600	600	1534	575
<b>PLF185K</b>	1800	500	1734	475
<b>PLF186K</b>	1800	600	1734	575
<b>PLF188K</b>	1800	800	1734	775
<b>PLF205K</b>	2000	500	1934	475
<b>PLF206K</b>	2000	600	1934	575
<b>PLF208K</b>	2000	800	1934	775
<b>PLF226K</b>	2200	600	2134	575
<b>PLF228K</b>	2200	800	2134	775

The OK series enclosures plinth consists of four press bent corner pieces, which have a thickness of 2 mm, and a height of **100 mm**, two front panels, and two side panels, which are totally removable.

Figure 22.1 shows the exploded view of the OK series enclosure plinth. It is supplied in separate parts (double pair of corner pieces and single pair of side flanges, codes and tables are shown below).

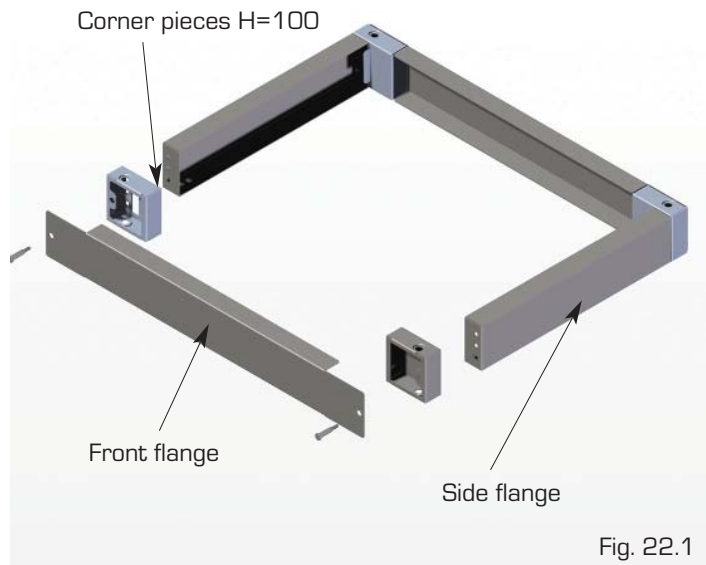


Fig. 22.1

### DOUBLE PAIR OF CORNER PIECES AND FRONT FLANGES

	<i>Nominal dimensions</i>	<i>Characteristic dimension</i>
CODE	L	A
ZAK041	400	398
ZAK051	500	498
ZAK061	600	598
ZAK081	800	798
ZAK0A1	1000	998
ZAK0C1	1200	1198
ZAK0D1	1400	1398
ZAK0E1	1600	1598

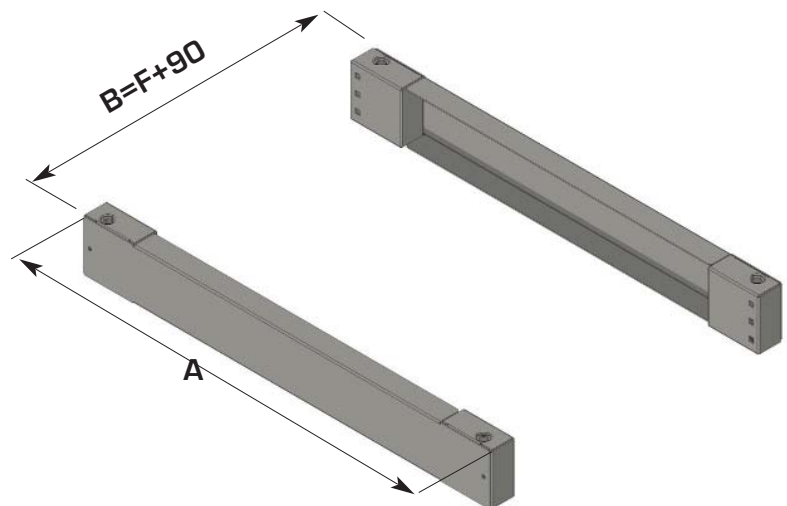


Fig. 22.2

### SIDE FLANGES PAIR

	<i>Nominal dimension</i>	<i>Characteristic dimension</i>
CODE	L	F
FLK12	200	75
FLK13	300	175
FLK14	400	275
FLK15	500	375
FLK16	600	475
FLK18	800	675
FLK1A	1000	875

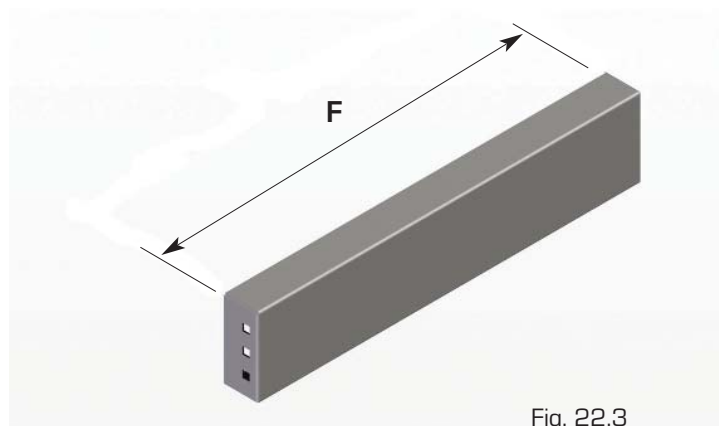


Fig. 22.3

## ZC K2 - Plinth H=200

for OKK, OKB and OKP enclosure series

The OK series enclosures plinth is also supplied in the **H=200** mm version. It consists of four extremely rigid corner pieces, **2** mm thick and **200** mm high, of four front panels **H=100** mm, and four side panels, which are completely removable.

Figure 23.1 shows the exploded view of the OK series enclosure plinth. It is supplied in separate parts [as in fig. 23.2 and fig. 23.3].

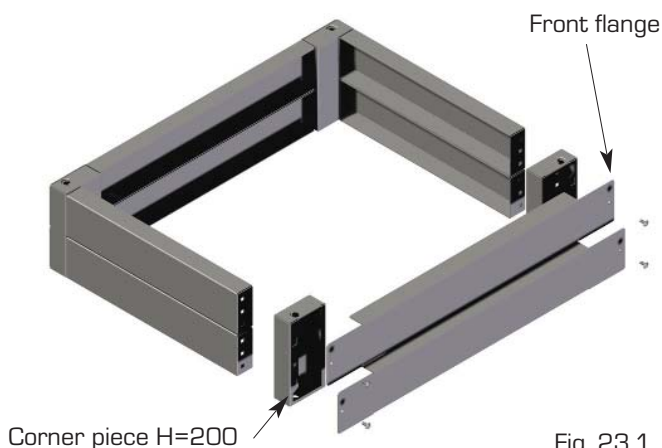


Fig. 23.1

### DOUBLE PAIR OF CORNER PIECES AND PAIR OF FRONT FLANGES

	Nominal dimension	Characteristic dimension
CODE	L	A
<b>ZAK042</b>	400	398
<b>ZAK052</b>	500	498
<b>ZAK062</b>	600	598
<b>ZAK082</b>	800	798
<b>ZAK0A2</b>	1000	998
<b>ZAK0C2</b>	1200	1198
<b>ZAK0D2</b>	1400	1398
<b>ZAK0E2</b>	1600	1598

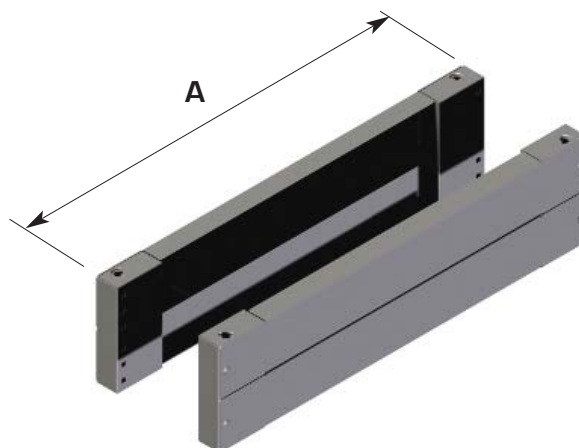


Fig. 23.2

### DOUBLE PAIR OF SIDE FLANGES - CODES AND DIMENSIONS

	Nominal dimensions	Characteristic Dimension
CODE	L	F
<b>FLK22</b>	200	75
<b>FLK23</b>	300	175
<b>FLK24</b>	400	275
<b>FLK25</b>	500	375
<b>FLK26</b>	600	475
<b>FLK28</b>	800	675
<b>FLK2A</b>	1000	875

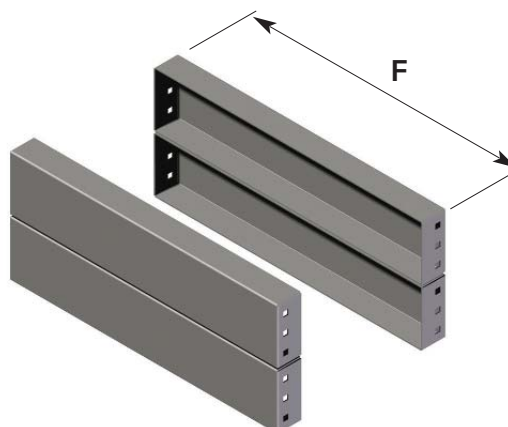


Fig. 23.3

**NOTE: CLOSED BASE PLINTHS**, please see General Catalogue 21, pp. 34.  
Description, codes and characteristic dimensions,

**STK Ties** (fig. 24.1)

The tie is designed for a rapid assembly between the side, front and rear shafts. It is **45** mm high and has one row of slots for customized fixing of other components.

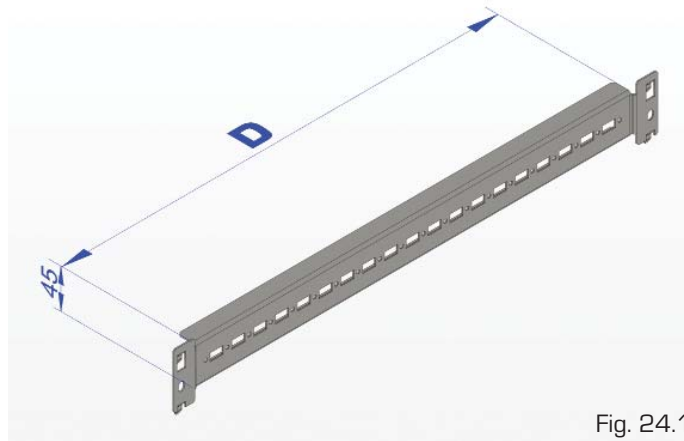


Fig. 24.1

**STK TIES FOR OK SERIES ENCLOSURES**

CODE	Nominal dimensions	Enclosure depth	Characteristics dimensions
		P	D
<b>STK445</b>	<b>400</b>	400	300
<b>STK545</b>	<b>500</b>	500	400
<b>STK645</b>	<b>600</b>	600	500
<b>STK845</b>	<b>800</b>	800	700
<b>STKA45</b>	<b>1000</b>	1000	900

**DTK TIES** (fig. 24.2)

The tie is designed for a rapid assembly between the side, front and rear shafts. It is **70** mm high and has two rows of slots for customized fixing of other components.

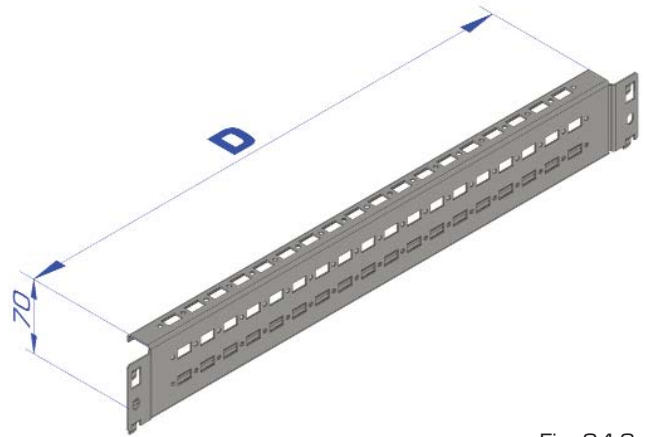


Fig. 24.2

**DTK TIES FOR OK SERIES ENCLOSURES**

CODE	Nominal dimensions	Enclosure depth	Characteristic dimension
		P	D
<b>DTK470</b>	<b>400</b>	400	300
<b>DTK570</b>	<b>500</b>	500	400
<b>DTK670</b>	<b>600</b>	600	500
<b>DTK870</b>	<b>800</b>	800	700
<b>DTKA70</b>	<b>1000</b>	1000	900

**TTK TIES** (fig. 24.3)

a **100** mm high tie is also available for rapid assembly between the side, front and rear shafts. It has three rows of slots.

This tie is used to support particularly heavy components.

The construction type is similar to the previous models.

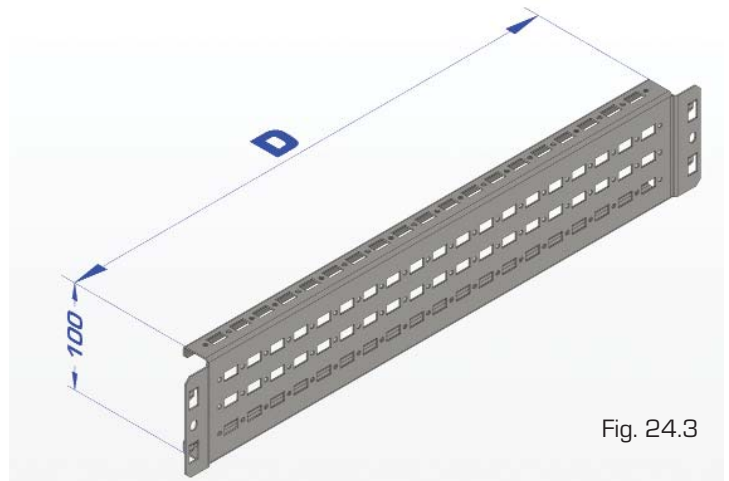


Fig. 24.3

**TTK TIES FOR OK SERIES ENCLOSURES**

CODE	Nominal dimensions	Enclosure depth	Characteristics dimensions
		P	D
<b>TTK410</b>	<b>400</b>	400	300
<b>TTK510</b>	<b>500</b>	500	400
<b>TTK610</b>	<b>600</b>	600	500
<b>TTK810</b>	<b>800</b>	800	700
<b>TTKA10</b>	<b>1000</b>	1000	900



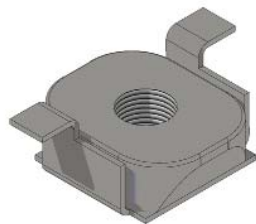


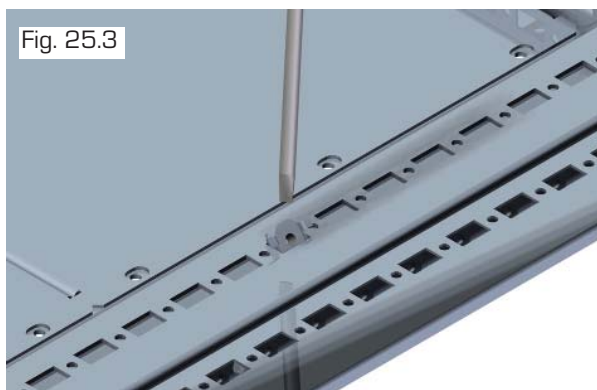
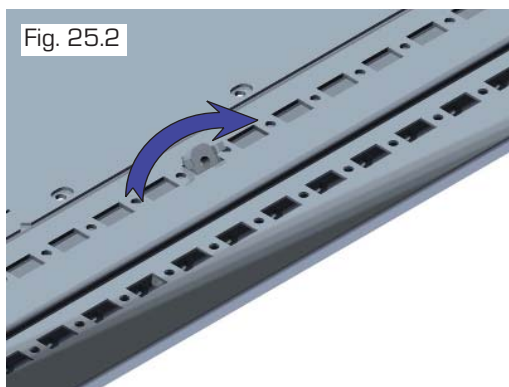
Fig. 25.1

**EXTERNAL CAGE NUT.** [assembling]

The external cage nut (fig. 25.1) is frequently used in the **OK** enclosures. It is used for the fixing of the pawls, the hinges, the ties etc. Here below is shown a quick procedure for its assembling on the rectangular slot.

*Assembling sequence:*

- a. Insert the nut into the slot, inclined, as in fig. 25.2;
- b. Using the tip of a screwdriver, force its fitting into the rectangular slot 9x15, fig. 25.3;
- c. Place it in a way that allows the threaded slot to be centred on the rectangular 9x15 slot, as in fig. 25.4;
- d. Fix the component with M6 screws.



**CLIP FOR A QUICK FIXING OF THE PANELS**

**CLK013**

*Consists of:*

- N° 1 M6 high nut;
- N° 1 Plastic clip;
- N° 1 IP sealing gasket .

Quick fitting in the 9x15 slots of the uprights or on the stringers for the fixing of the side panels, the rear panels and the roof in the intermediate holes.

**CLK013-KIT Including N° 8 CLK013**



Fig. 25.5

### UTK ENCLOSURES' BAYING KIT

The OK series enclosures can be joint together with a foam gasket along the perimeter of the sides of the cabinets. Their coupling is ensured by 6 "U" external brackets (fig. 26.4) and by 4 internal corner brackets fixing to the joints. All the brackets are fixed with high-resistance screws.

In case of a joining of more enclosures, the procedure must be repeated with other baying kits, also note that there are no side panels between the enclosures, which therefore have inner common space.

The corner brackets must be fixed to the joints in order to make their coupling safe and solid (fig. 27.2), preventing it from torsion during transport

and lifting.

All the necessary elements of the baying kit are enlisted and described in the table below.

Note:

For enclosures with heavy loaded mounting plates, it may be necessary to use intermediate stability brackets for the baying of the vertical elements.

### UTK700 - SIDE BAYING KIT ELEMENTS

#### Standard kit:

- N. 28 TE f.r. M6x16 screws
- N. 4 internal brackets (a)
- N. 6 external "U" brackets (b)
- N. 28 M6 cage nuts for external use
- N. 1 side border foam gasket (c)

- a-Inner corner bracket
- b-External "U" bracket
- c-Border foam gasket
- d-Vertical elements intermediate bracket (on request)

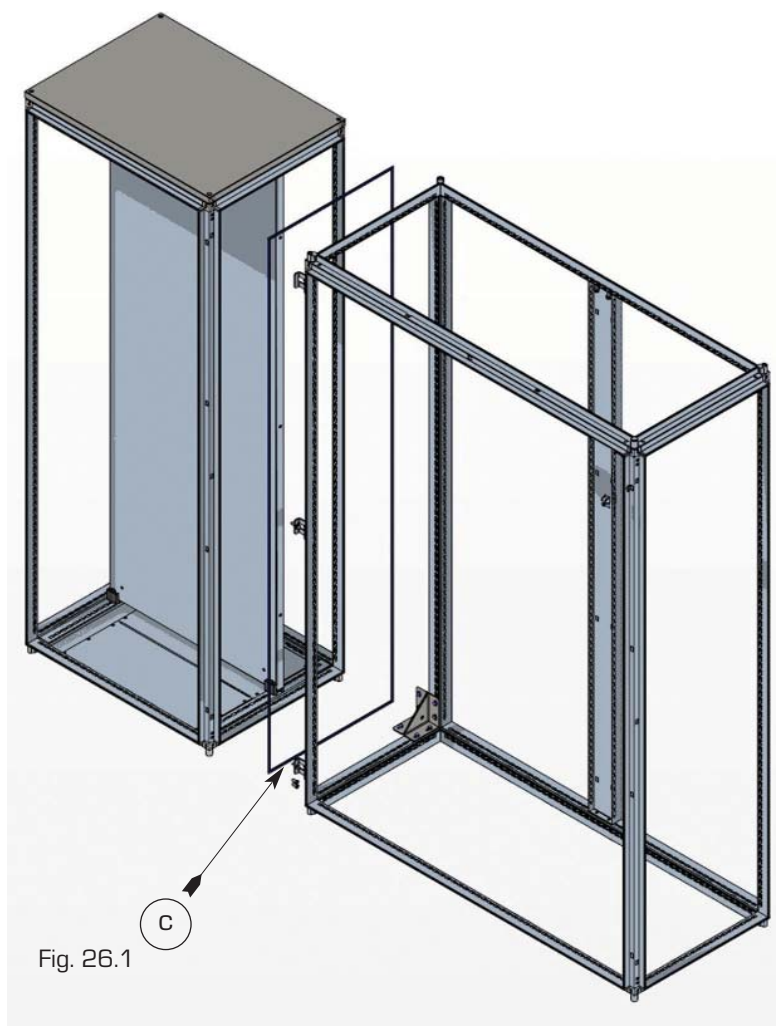


Fig. 26.1

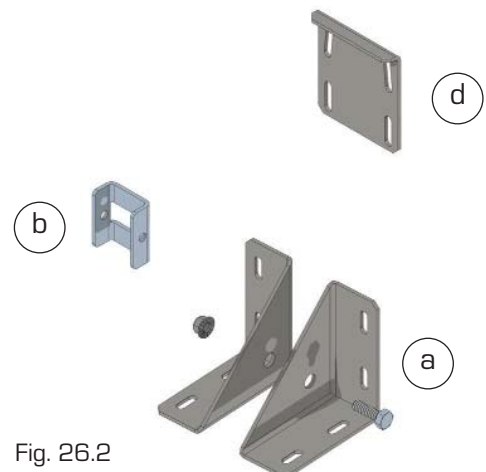
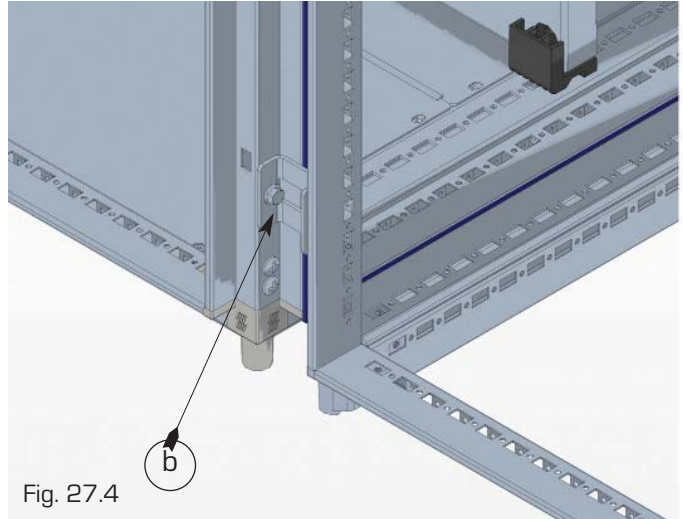
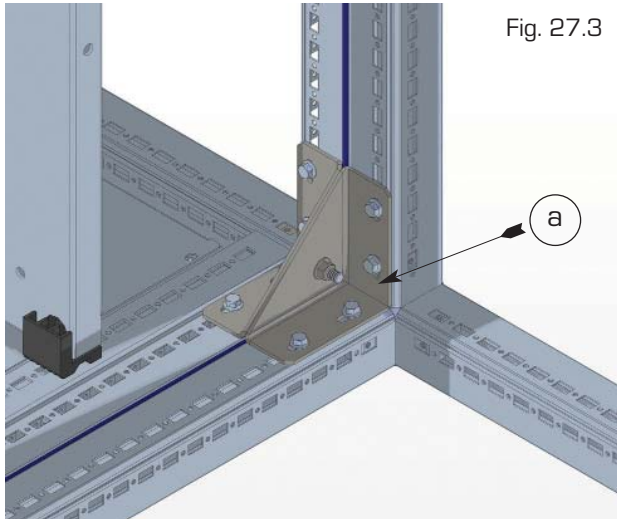


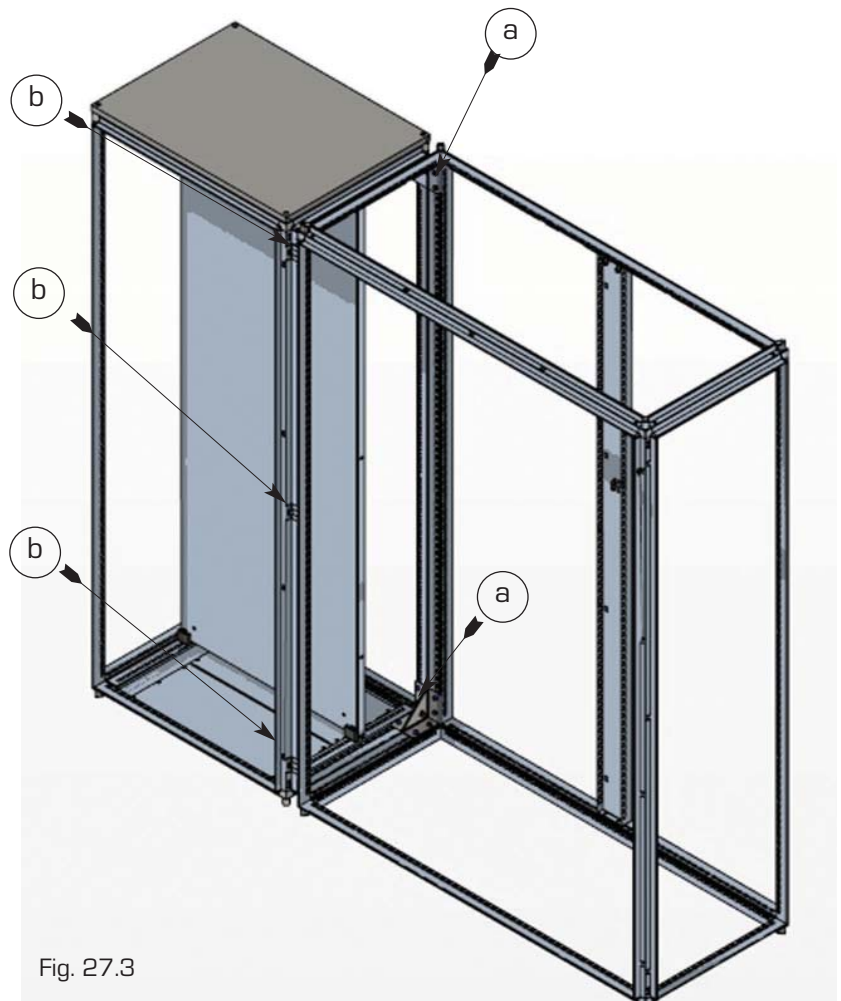
Fig. 26.2

**UTK700 - SIDE ASSEMBLY BAYING KIT ELEMENTS**



**Kit assembling:**

1. Place the gasket all along the side perimeter of one of the enclosures
2. Place the sides of the two enclosures one in front of the other;
3. Place the brackets **(a)** on the inner parts of the corners with their slots in line with the joints' threaded holes;
4. Insert all the necessary cage nuts
5. Insert the screws without tightening them;
6. Screw the external brackets **(b)** without tightening the screws;
7. In case of use of the vertical elements' intermediate brackets **(d)**, place them in the desired position and, once the enclosures are correctly placed, hammer them lightly;
8. Tighten all the screws.



The internal blind door is fixed to the inner frame of the enclosure, which consists of two vertical and two horizontal elements. The two vertical elements are fixed to the horizontal elements of the enclosure, and the top and bottom horizontal elements are fixed directly to the vertical elements. The side elements are adjustable in depth (in reference to the frame) and the maximal T dimension is included in the table below. The door is equipped with hinges that allow an opening rotation of more than 110° and is closed by two locks (3mm double fin locks are standard) which hook it to the side vertical elements.

Enclosures wide 1200 mm and more are equipped with a pair of doors. In general the left door is closed first and has two locks hooking to the top and bottom horizontal elements, while the right door has

the common locks fixing to the left door. The vertical elements are built in steel sheet 1,8mm thick, the horizontal ones are in 1,5 mm thick steel sheet. The standard internal door is blind and has the same thickness as the uprights.

The internal frame and the door are painted RAL 7035 B.

A slotted customised internal door is also available, as well as the internal upright with T dimensions exceeding the ones indicated in the table (available on request).

The internal door is an independent accessory and can be assembled eventually inside the enclosure. The internal door kit guarantees IP44.

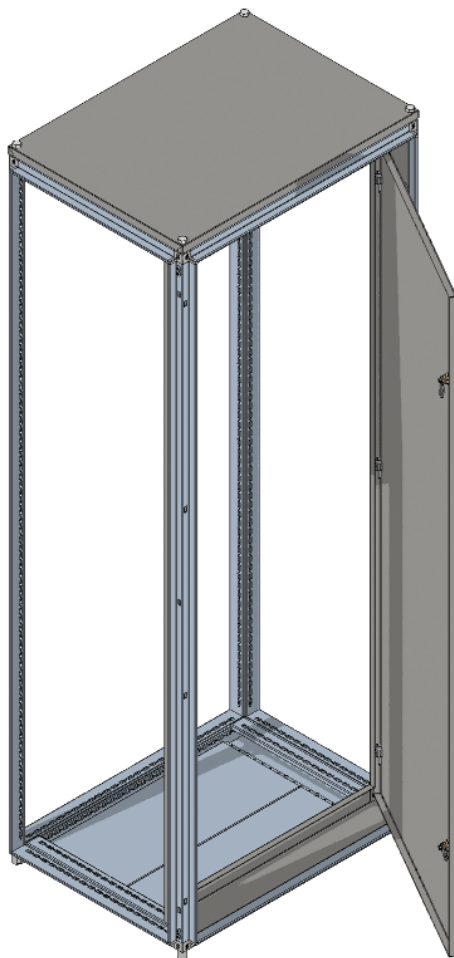
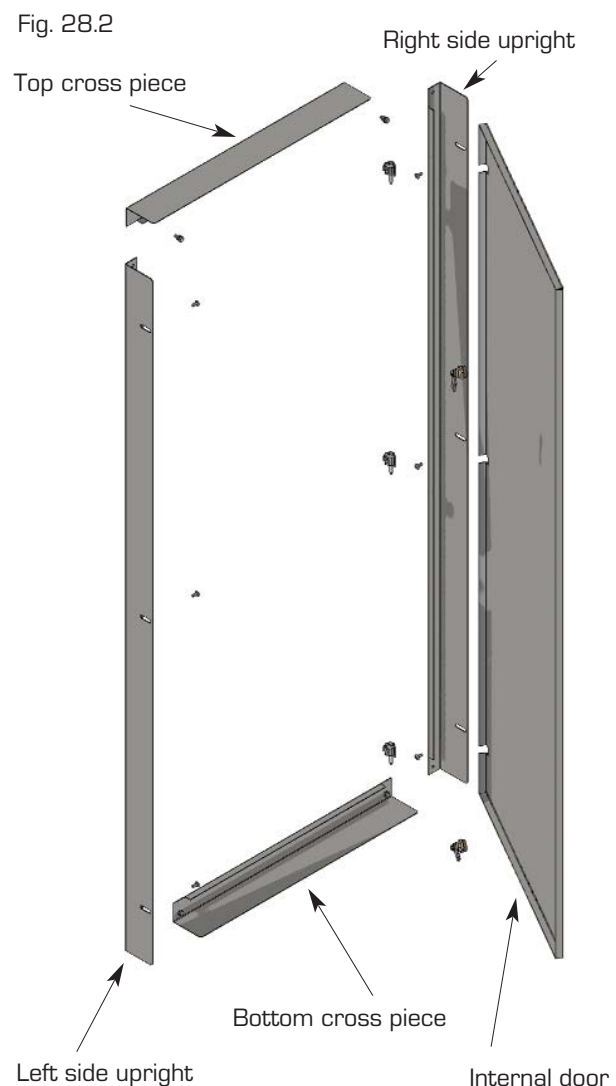
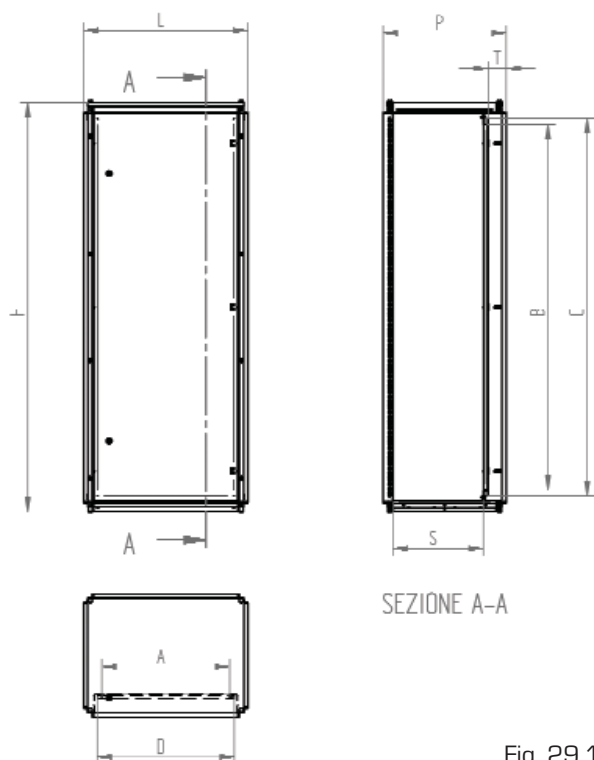


Fig. 28.1



# INTERNAL DOOR

for **OK** enclosures



## NOTES:

**P** dimension corresponds to the enclosure's depth;  
**H** and **L** dimensions are respectively the nominal height and width of the enclosure

**A** and **B** dimensions are the exploitable spaces in the door frame

**D** and **C** dimensions correspond to the external dimensions of the internal door

**T** dimension corresponds to the distance between the internal door and the external one

**S** dimension is the distance between the internal door frame and the rear vertical element of the enclosure

**T** and **S** dimensions are subject to a variation inside the range shown in the table for effect of the slot fixing on the frame.

Dimensions are expressed in mm.

Fig. 29.1

CODE	Nominal dimensions			Characteristic dimensions							
	H	L	P	A	B	C	D	T		S	
								Min.	Max.	Min.	Max.
DBI126	1200	600	P	423	986	1044	468	72	91	P-115	P-96
DBI128	1200	800	P	623	986	1044	668	72	91	P-115	P-96
DBI12A	1200	1000	P	823	986	1044	868	72	91	P-115	P-96
DBI12C	1200	1200	P	1023	986	1044	531 <sup>[2]</sup>	72	91	P-115	P-96
DBI146	1400	600	P	423	1186	1244	468	72	91	P-115	P-96
DBI148	1400	800	P	623	1186	1244	668	72	91	P-115	P-96
DBI14A	1400	1000	P	823	1186	1244	868	72	91	P-115	P-96
DBI14C	1400	1200	P	1023	1186	1244	531 <sup>[2]</sup>	72	91	P-115	P-96
DBI166	1600	600	P	423	1386	1444	468	72	91	P-115	P-96
DBI168	1600	800	P	623	1386	1444	668	72	91	P-115	P-96
DBI16A	1600	1000	P	823	1386	1444	868	72	91	P-115	P-96
DBI16C	1600	1200	P	1023	1386	1444	531 <sup>[2]</sup>	72	91	P-115	P-96
DBI186	1800	600	P	423	1586	1644	468	72	91	P-115	P-96
DBI188	1800	800	P	623	1586	1644	668	72	91	P-115	P-96
DBI18A	1800	1000	P	823	1586	1644	868	72	91	P-115	P-96
DBI18C	1800	1200	P	1023	1586	1644	531 <sup>[2]</sup>	72	91	P-115	P-96
DBI18E	1800	1600	P	1423	1586	1644	731 <sup>[2]</sup>	72	91	P-115	P-96
DBI206	2000	600	P	423	1786	1844	468	72	91	P-115	P-96
DBI208	2000	800	P	623	1786	1844	668	72	91	P-115	P-96
DBI20A	2000	1000	P	823	1786	1844	868	72	91	P-115	P-96
DBI20C	2000	1200	P	1023	1786	1844	531 <sup>[2]</sup>	72	91	P-115	P-96
DBI20E	2000	1600	P	1423	1786	1844	731 <sup>[2]</sup>	72	91	P-115	P-96
DBI226	2200	600	P	423	1986	2044	468	72	91	P-115	P-96
DBI228	2200	800	P	623	1986	2044	668	72	91	P-115	P-96
DBI22A	2200	1000	P	823	1986	2044	868	72	91	P-115	P-96
DBI22C	2200	1200	P	1023	1986	2044	531 <sup>[2]</sup>	72	91	P-115	P-96
DBI22E	2200	1600	P	1423	1986	2044	731 <sup>[2]</sup>	72	91	P-115	P-96

In the **OK** enclosures, it is possible to substitute the standard side panel with a side door. This door is built in press-bent steel sheet 1,5 mm thick and is fixed by a set of tools, which are supplied together with the door, to the left or right horizontal elements of the frame, depending on the type of opening required.

In its internal part, a special gasket covers the perimetral profile of the OK enclosure, assuring IP55. It is supplied as a blind door, but can also have slots, according to free spaces on the sides. The lock is on the inner side, between the vertical uprights, and it hooks to the horizontal side elements.

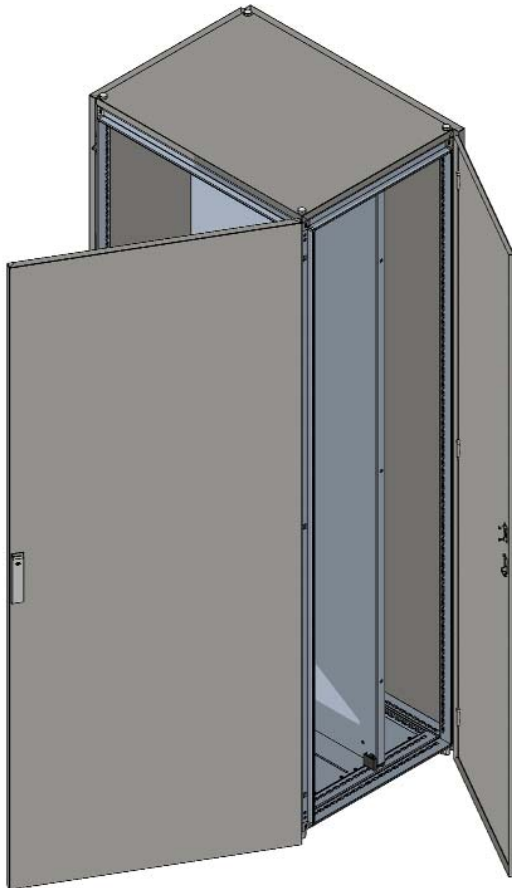


Fig. 30.1

Side door assembling SET:

- Side door, complete with lock and reinforcing frame
- Distance-pieces' brackets and hinge fixing tools
- Side hinges 180° screwed on the side door
- Plastic taps for holes on the uprights opposite to the hinges
- Gaskets for distance-pieces' brackets

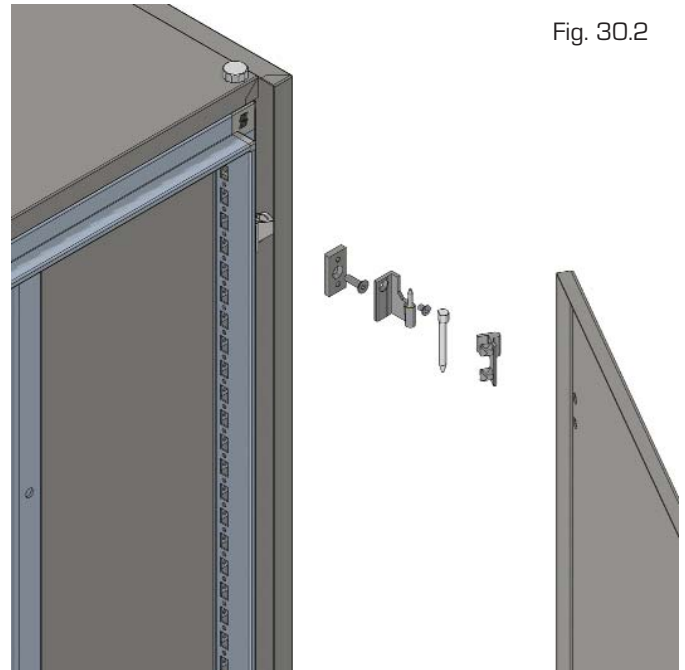


Fig. 30.2

### CODE AND DIMENSION OF LATERAL DOOR OK

CODE	Nominal dimensions		Characteristic dimension	
	H	L	B	A
<b>FPK164</b>	1600	400	1594	358
<b>FPK165</b>	1600	500	1594	458
<b>FPK166</b>	1600	600	1594	558
<b>FPK184</b>	1800	400	1794	358
<b>FPK185</b>	1800	500	1794	458
<b>FPK186</b>	1800	600	1794	558
<b>FPK188</b>	1800	800	1794	758
<b>FPK18A</b>	1800	1000	1794	958
<b>FPK204</b>	2000	400	1994	358
<b>FPK205</b>	2000	500	1994	458
<b>FPK206</b>	2000	600	1994	558
<b>FPK208</b>	2000	800	1994	758
<b>FPK20A</b>	2000	1000	1994	958
<b>FPK224</b>	2200	400	2194	358
<b>FPK225</b>	2200	500	2194	458
<b>FPK226</b>	2200	600	2194	558
<b>FPK228</b>	2200	800	2194	758
<b>FPK22A</b>	2200	1000	2194	958

## Backspacing KIT For enclosures OK

The internal plate, as on page 21, is generally assembled on the lower horizontal elements, but if an extra distance between the front door and the plate is needed, it can be placed between the rear vertical elements.

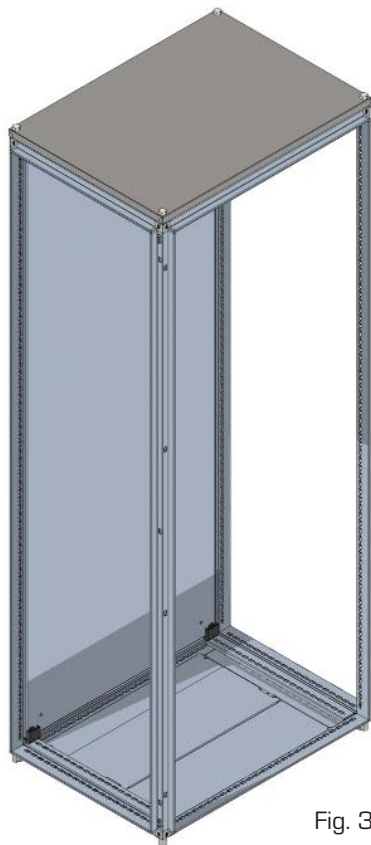
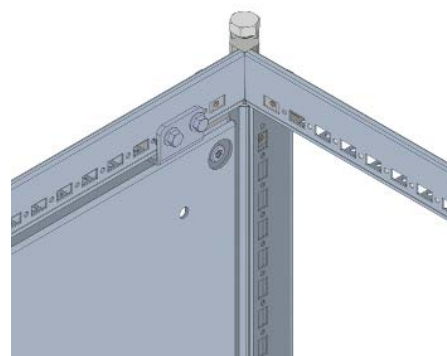


Fig. 31.1

In this case the distance between the plate's surface and the internal part of the front door is given by the nominal depth of the enclosure shortened by 45 mm. In order to enable such a positioning of the plate, a back spacing kit has been projected, consisting of two upper brackets for the fixing in the narrow free space between the upper side of the panel and the bored horizontal element of the roof, of the usual tap to be inserted into the square slot of the plate, and of the conic pin to be screwed into the threaded slot of the corner joint [ref. fig. 31.2 and 31.3].

Fig. 31.2



Upper brackets (Right and Left)

Plate sliding supports and conic pins

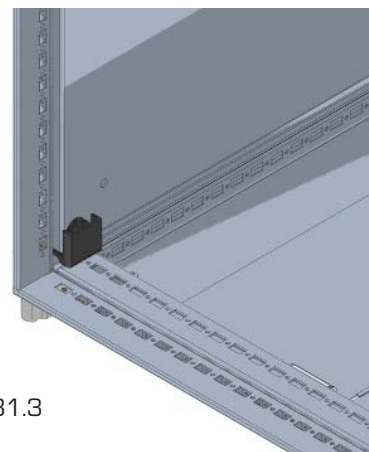
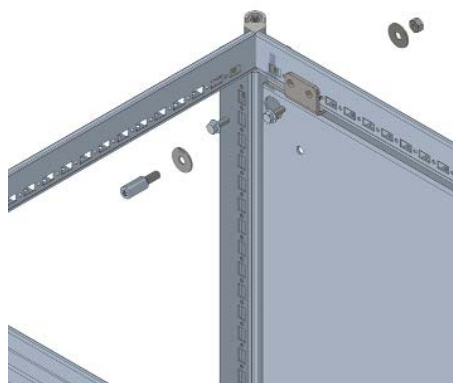


Fig. 31.3

Fig. 31.4

### PANEL BACK SPACING KIT FOR OK ENCLOSURES (APK110)



- N.2 Upper brackets (Right and Left)
- N.4 M8 washers
- N.2 Screws with Torx M8 head
- N.4 Cage nuts for external use M6
- N.2 M8 nuts
- N.2 Plate sliding supports
- N.2 Conic pins M6 for plate fixing

#### SUPPLIED CODES AND CHARACTERISTICS

CODE	Dimensions	Characteristics
APK110	All	Assembling kit

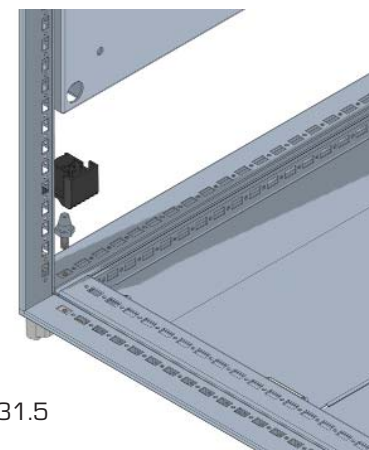


Fig. 31.5

It is a standard feature of all **OK** series enclosures, it consists of two modular panels of two dimensions in depth and two types each (see fig. 32.1 and 32.2). The depth dimensions are 100mm **(A, C)** and 200 mm **(B, D)**. One type of panel **(A, B)**, bent on both sides in width, is called “fix” and is to be placed at the beginning and at the end of the cable lodging in depth.

The second type **(C, D)**, which is bent only on one side in width, is called “mobile” and is to be placed between the “fix” panels with its central bend approximately on the central part of the bottom, allowing the panels to be moved in order to create a guillotine space.

The fixing can be performed rapidly (see fig. 32.3) by means of elastic “staple” brackets to be fixed along the side borders between bearing structure and panel.

In fig. 32.1 are shown dimensions and types.

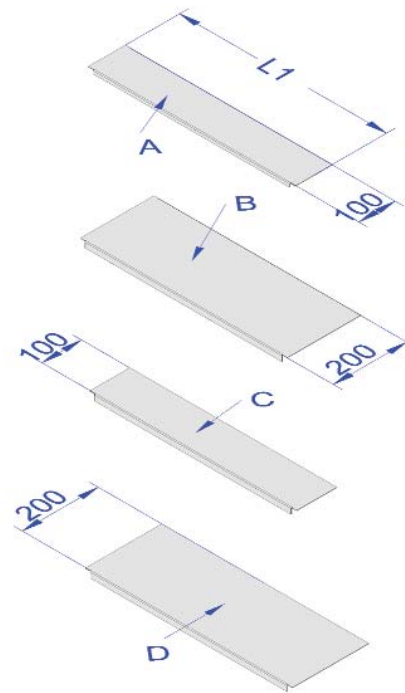


Fig. 32.1

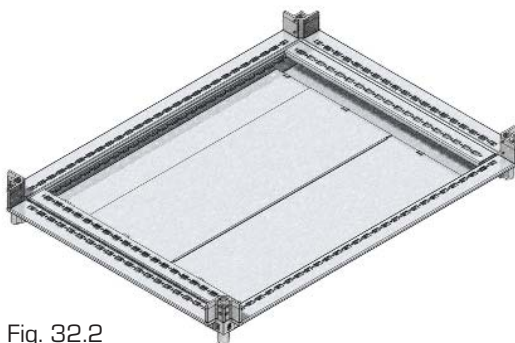


Fig. 32.2

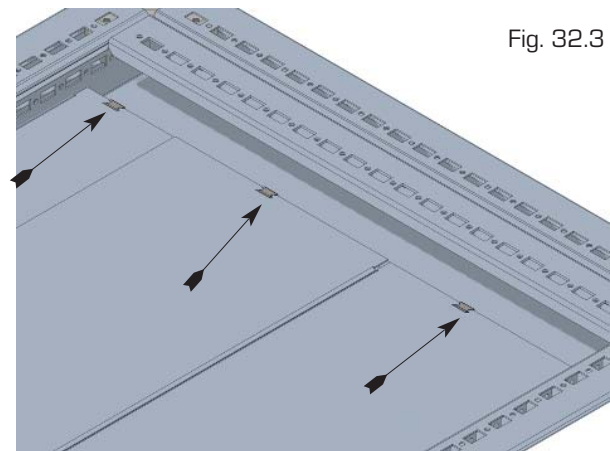


Fig. 32.3

### CODES AVAILABLE FOR CABLE ENTRY PANELS

PANELS LAYOUT					DEPTH	CODES	L1 - ENCLOSURES' WIDTH						
							400	600	800	1000	1200	1400	1600 (*)
A	C	A	-	-	400	KPG404	KPG604	KPG804	KPG104	KPG124	KPG144	2 . KPG804	
A	C	B	-	-	500	KPG405	KPG605	KPG805	KPG105	KPG125	KPG145	2 . KPG805	
A	D	B	-	-	600	KPG406	KPG606	KPG806	KPG106	KPG126	KPG146	2 . KPG806	
A	D	D	B	-	800	KPG408	KPG608	KPG808	KPG108	KPG128	KPG148	2 . KPG808	
B	D	D	B	A	1000	KPG40A	KPG60A	KPG80A	KPG10A	KPG12A	KPG14A	2 . KPG80A	

(\*) - For enclosures W=1600mm the cable inlet consists of two entries as in the 800 mm enclosures, and has the same features.



**PANELS LAYOUT AND CHARACTERISTIC DIMENSIONS**

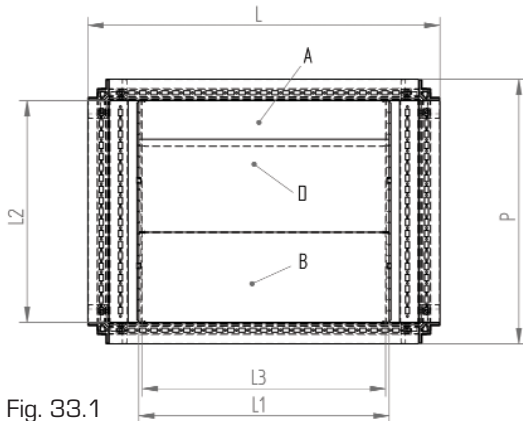


Fig. 33.1

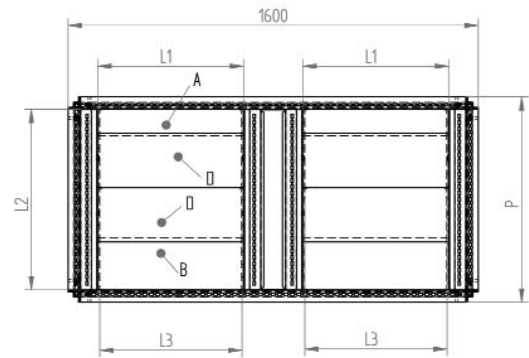


Fig. 33.2

CODE	Nominal dimension		Characteristics dimensions		
	L	P	L1	L2	L3
<b>KPG404</b>	400	400	170	303	152
<b>KPG405</b>	400	500	170	403	152
<b>KPG406</b>	400	600	170	503	152
<b>KPG408</b>	400	800	170	703	152
<b>KPG40A</b>	400	1000	170	903	152
<b>KPG604</b>	600	400	370	303	352
<b>KPG605</b>	600	500	370	403	352
<b>KPG606</b>	600	600	370	503	352
<b>KPG608</b>	600	800	370	703	352
<b>KPG60A</b>	600	1000	370	903	352
<b>KPG804</b>	800	400	570	303	552
<b>KPG805</b>	800	500	570	403	552
<b>KPG806</b>	800	600	570	503	552
<b>KPG808</b>	800	800	570	703	552
<b>KPG80A</b>	800	1000	570	903	552
<b>KPG104</b>	1000	400	770	303	752
<b>KPG105</b>	1000	500	770	403	752
<b>KPG106</b>	1000	600	770	503	752
<b>KPG108</b>	1000	800	770	703	752
<b>KPG10A</b>	1000	1000	770	903	752
<b>KPG124</b>	1200	400	970	303	952
<b>KPG125</b>	1200	500	970	403	952
<b>KPG126</b>	1200	600	970	503	952
<b>KPG128</b>	1200	800	970	703	952
<b>KPG12A</b>	1200	1000	970	903	952
<b>KPG144</b>	1400	400	1170	303	1152
<b>KPG145</b>	1400	500	1170	403	1152
<b>KPG146</b>	1400	600	1170	503	1152
<b>KPG148</b>	1400	800	1170	703	1152
<b>KPG14A</b>	1400	1000	1170	903	1152

For the OK series, a wide plate can be installed by inserting it from one of the sides of the enclosure.

This is possible by means of a set of tools, consisting of two profiles that can be installed on the lower and upper side of the frame.

On these profiles, sphere supports can be installed, fixing them into the necessary holes, allowing the sliding of the plate (fig. 34.2).

The profiles must be installed at the desired depth and, when the cage nuts for external use are inserted into the external slots of the enclosure, it must be fixed with screws.

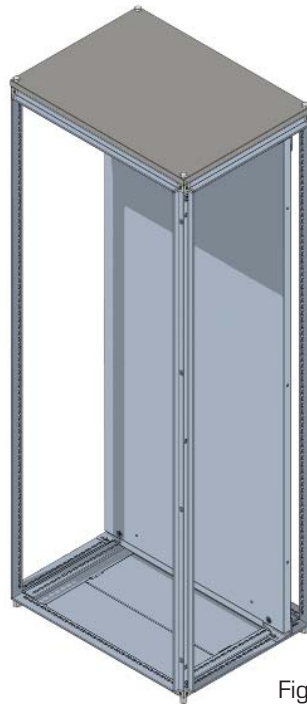


Fig. 34.1

After this, the plate must be pushed along the profiles (fig. 30.2) and placed at the centre of the enclosure, then it must be fixed on the upper and lower part.

The wide plate ensures an extra surface for the fixing of the equipment that is 25% for plates W=400 and 5% for plates W=1800.

This solution can substitute the plate union kit (FUP) and, moreover, provides a plate surface without gaps.

### WIDE PLATE, CODE AND DIMENSIONS

CODE	Nominal dimensions		Characteristic dimensions	
	H	L	T	S
<b>PMB166</b>	1600	600	1480	585
<b>PMB168</b>	1600	800	1480	785
<b>PMB16A</b>	1600	1000	1480	985
<b>PMB16C</b>	1600	1200	1480	1185
<b>PMB184</b>	1800	400	1680	385
<b>PMB186</b>	1800	600	1680	585
<b>PMB188</b>	1800	800	1680	785
<b>PMB18A</b>	1800	1000	1680	985
<b>PMB18C</b>	1800	1200	1680	1185
<b>PMB18D</b>	1800	1400	1680	1385
<b>PMB18E</b>	1800	1600	1680	792,5 <sup>[2]</sup>
<b>PMB206</b>	2000	600	1880	585
<b>PMB208</b>	2000	800	1880	785
<b>PMB20A</b>	2000	1000	1880	985
<b>PMB20C</b>	2000	1200	1880	1185
<b>PMB20D</b>	2000	1400	1880	1385
<b>PMB20E</b>	2000	1600	1880	792,5 <sup>[2]</sup>
<b>PMB226</b>	2200	600	2080	585
<b>PMB228</b>	2200	800	2080	785
<b>PMB22A</b>	2200	1000	2080	985
<b>PMB22C</b>	2200	1200	2080	1185
<b>PMB22D</b>	2200	1400	2080	1385
<b>PMB22E</b>	2200	1600	2080	792,5 <sup>[2]</sup>

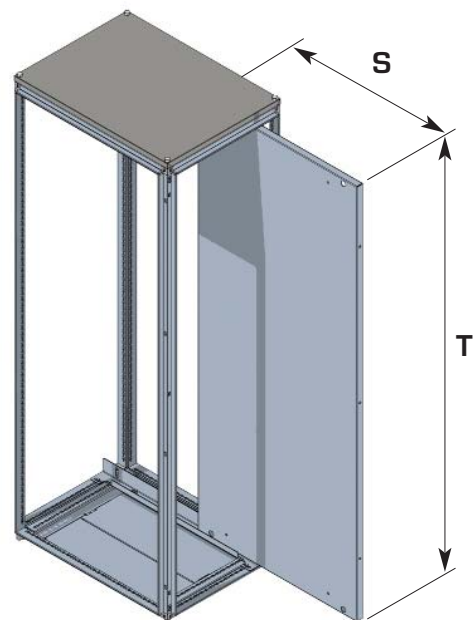


Fig. 34.2

[<sup>2</sup>] special plate consisting of two parts screwed together

## Insert of the wide plate for **OK** enclosures

### SIDE INSERTION OF THE PLATE, ELEMENTS:

- Nr.2 profiles for side insertion of the plate
- Nr.4 TEfr screws M6x16
- Nr.8 M8 washers
- Nr.4 Special M8 screws
- Nr.4 M8 bolts
- Nr.4 M6 Cage nuts for external use

On request:

Sphere sliding element (fig. 35.2).

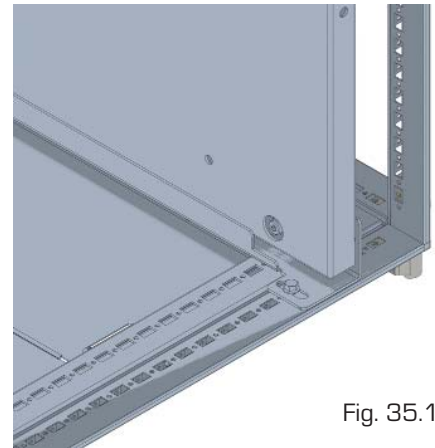


Fig. 35.1

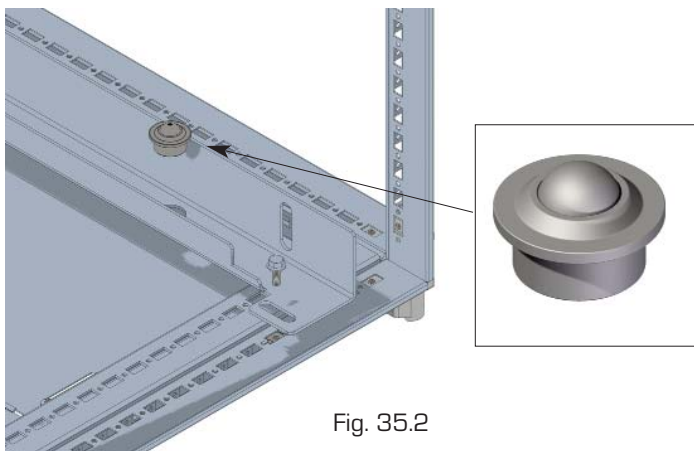


Fig. 35.2

### SPHERE SLIDING ELEMENT:

It is installed into the circular slot on the lower side insert profile. It may consist of two or three elements, according to width dimensions.

CODE	Type of packaging
<b>ESF158</b>	Single packaging

Fig. 35.2: assembly of the lower side profile, with cage nuts for external use inserted into the square slot of the lower horizontal element; the fixing screw and the sphere element (on request) for an easy sliding of the special plate.

The operation must be repeated for the upper guide, making sure that they are vertically in line with the lower ones.

Fig. 35.3: side insertion profile after the assembling.

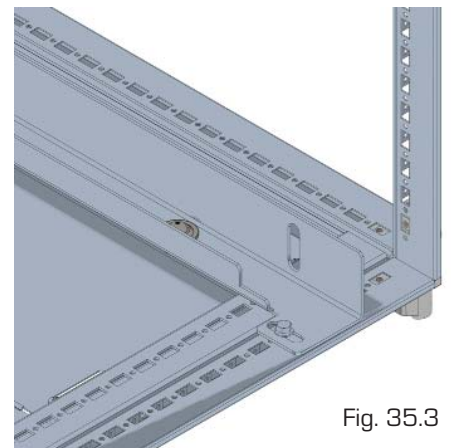


Fig. 35.3

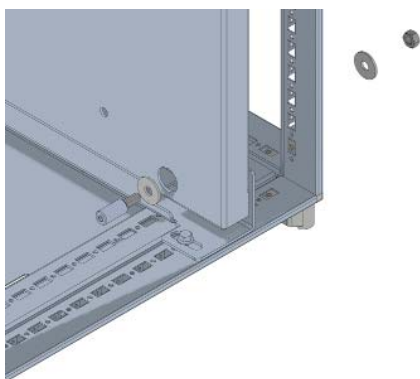


Fig. 35.4

Eventually, the plate must be pushed along the profiles, as shown in fig. 35.2, sliding it and placing it in a central position inside the frame. In case of joint enclosures, the plates must touch each other laterally and must be fixed together with screws. The last step (see fig. 35.4) is the fixing of the plate on the profiles as per our procedure, both for the upper and the lower part.

Also note that the wide plate should never bear sliding plastic taps.

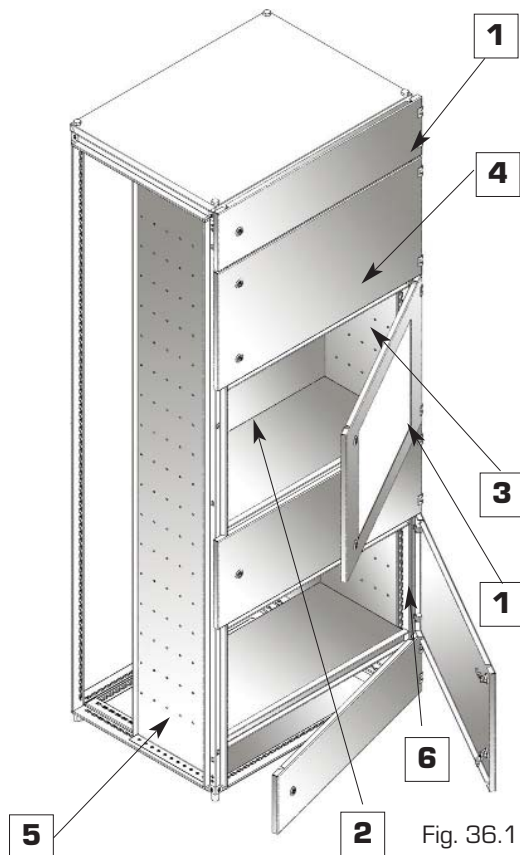


Fig. 36.1

## OK D - ENCLOSURE COMPLETE WITH MODULAR EXTERNAL ELEMENTS.

The external modular elements are a set of panels, which can have height from 200 mm to 1000 mm, on a 100mm pattern. They can be blind or transparent.

The external panels are mounted on side modular supports, which are fixed to the vertical elements of the enclosure, and which allow the placement of the panels at the desired height.

On the sides of the enclosure are mounted the vertical segregations, on which, at the same level of the panels, are placed the horizontal segregations and the internal mounting plates. They can be installed in the desired position in depth, according to the maximum depth allowed by the vertical segregation. In the front part, in the space between the external panels, the door-ties are used to assure the IP, when required.

It is important to note that, even once the arrangement of the panels has been chosen, their position can be switched.

### 1 - MODULAR EXTERNAL DOOR, BLIND AND TRANSPARENT - Code and dimensions

CODE	Nominal dimensions		Characteristic dimensions		CODE	Characteristic dimensions	
	L	A	B	M		N	
<b>PCK602</b>	600	593	194	-	-	-	-
<b>PCK603</b>	600	593	294	-	-	-	-
<b>PCK604</b>	600	593	394	<b>PVK604</b>	360	260	
<b>PCK606</b>	600	593	594	<b>PVK606</b>	360	460	
<b>PCK608</b>	600	593	794	<b>PVK608</b>	360	660	
<b>PCK610</b>	600	593	994	<b>PVK610</b>	360	860	
<b>PCK802</b>	800	793	194	-	-	-	-
<b>PCK803</b>	800	793	294	-	-	-	-
<b>PCK804</b>	800	793	394	<b>PVK804</b>	560	260	
<b>PCK805</b>	800	793	494	-	-	-	-
<b>PCK806</b>	800	793	594	<b>PVK806</b>	560	460	
<b>PCK808</b>	800	793	794	<b>PVK808</b>	560	660	
<b>PCK810</b>	800	793	994	<b>PVK810</b>	560	860	
<b>PCKA02</b>	1000	993	194	-	-	-	-
<b>PCKA04</b>	1000	993	394	<b>PVKA04</b>	760	260	
<b>PCKA06</b>	1000	993	594	<b>PVKA06</b>	760	460	
<b>PCKA08</b>	1000	993	794	<b>PVKA08</b>	760	660	
<b>PCKA10</b>	1000	993	994	<b>PVKA10</b>	760	860	

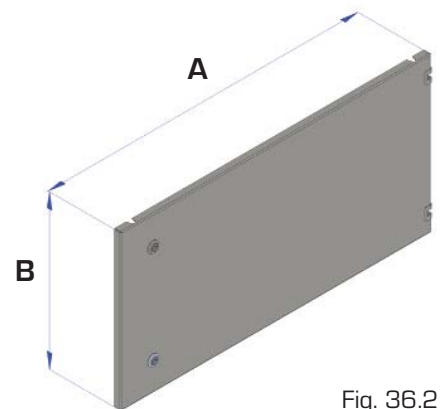


Fig. 36.2

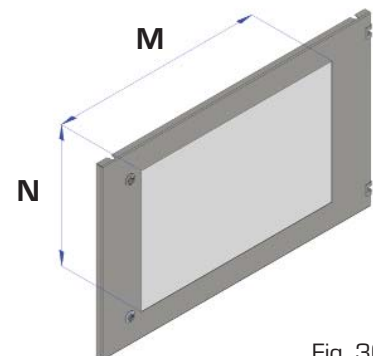


Fig. 36.3

## 2 - INTERNAL SPECIAL PLATE- Codes and dimensions

CODE	Dimensions		
	Nominal	Characteristic	
	L	C	D
<b>PRK602</b>	600	501	168
<b>PRK603</b>	600	501	268
<b>PRK604</b>	600	501	368
<b>PRK606</b>	600	501	568
<b>PRK608</b>	600	501	768
<b>PRK610</b>	600	501	968
<b>PRK802</b>	800	701	168
<b>PRK803</b>	800	701	268
<b>PRK804</b>	800	701	368
<b>PRK805</b>	800	701	468
<b>PRK806</b>	800	701	568
<b>PRK810</b>	800	701	968
<b>PRKA02</b>	1000	901	168
<b>PRKA04</b>	1000	901	368
<b>PRKA08</b>	1000	901	768

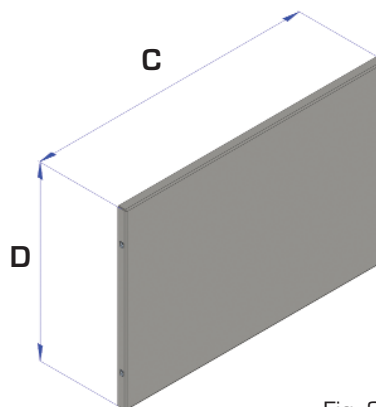


Fig. 37.2

## 3 - DOOR-TIE - Codes and dimensions

CODE	Dimensions		
	Nominal	Characteristic	
	L	T	
<b>TBK602</b>	600	502	41
<b>TBK802</b>	800	702	41
<b>TBKA02</b>	1000	902	41

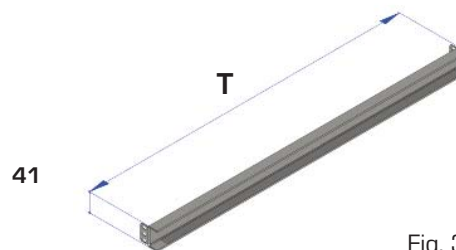


Fig. 37.1

## 4 - HORIZONTAL SEGREGATION - Codes and dimensions

CODE	Dimensions		
	Nominal	Characteristic	
	L	E	F
<b>SOK602</b>	600	542	200
<b>SOK802</b>	800	742	200
<b>SOKA02</b>	1000	942	200

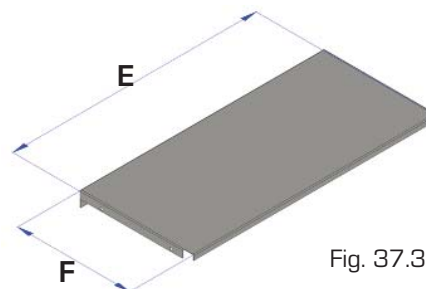


Fig. 37.3

## 5 - VERTICAL SEGREGATION - Codes and dimensions

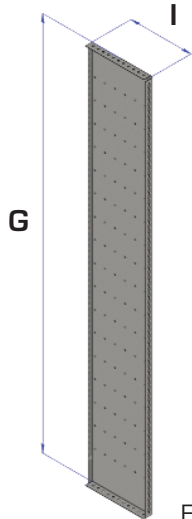


Fig. 38.1

CODE	Dimensions		
	Nominal	Characteristic	
	H	G	I
<b>SVK182</b>	<b>1800</b>	1694	200
<b>SVK202</b>	<b>2000</b>	1894	200
<b>SVK222</b>	<b>2200</b>	2094	200

The internal mounting plates are fixed with four screws, placed on their sides, to the vertical segregations and are protected by the horizontal segregations. Thanks to the holes in a regular pattern, it is possible to change the position of the plate in depth.

Both the horizontal and vertical segregations are here shown with depth 200 mm. This is considered a standard dimension, but different ones can be supplied on request.

## 6 - MODULAR SUPPORT - Codes and dimensions

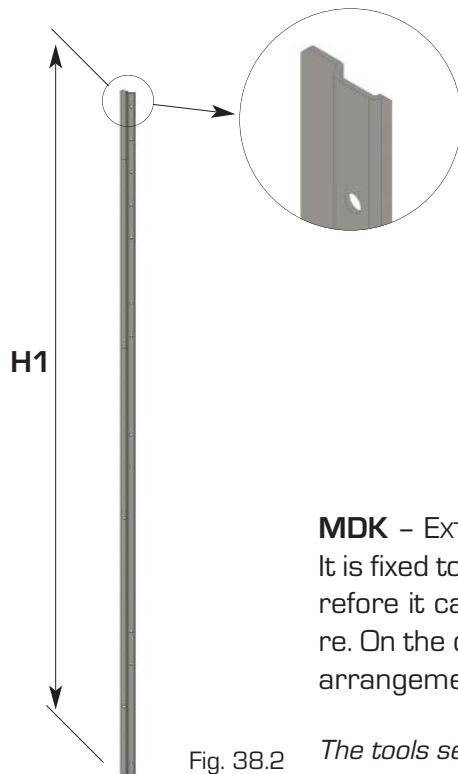


Fig. 38.2

CODE	Dimensions		
	Nominal	Characteristic	
	H	H1	
<b>MDK160</b>	<b>1600</b>	1551	38
<b>MDK180</b>	<b>1800</b>	1751	38
<b>MDK200</b>	<b>2000</b>	1951	38
<b>MDK220</b>	<b>2200</b>	2151	38

**MDK** – EXTERNAL MODULAR VERTICAL ELEMENT FOR FIXING OF THE PCK

It is fixed to the necessary slots on the frame uprights. It is symmetrical, therefore it can be fixed either on the left and on the right side of the enclosure. On the opposite side the panels can be installed according to the desired arrangement by standard hinges (supplied with the doors).

*The tools set includes:*

- modular external vertical element;
- cage nuts for fixing on the vertical element of the enclosure;
- screws for the fixing of the external vertical element.

## TMK - INTERNAL MODULAR FRAME WITH UPPER AND LOWER COMPENSATION PANELS.

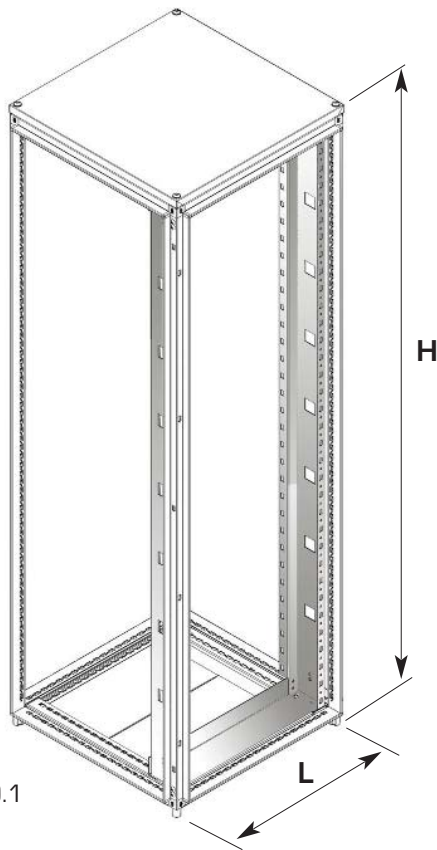


Fig. 39.1

The modular part making up the internal frame is highlighted (fig. 39.1). The frame is supplied with the upper and lower compensation panels, so that a height N remains, where the customised modular panels are placed. Either screw-on or hinged panels may be used, indifferently, both on the right and left sides. The back of the cabinet is designed for the attachment of the component plate, where the lateral slots have been cut to permit adjustment of the position in depth.

### Example of panels arrangement:

With reference to the table below, in which the N dimension is shown, different types of panels can be installed, as in the following pages, till the total height is reached. As the combination choices are many, the number of panels is not shown in the table. For example, for enclosures H=1800, the available height is N 1600, which can be used for 8 panels H=200, or 4 panels H=200, or 2 panels H=400.

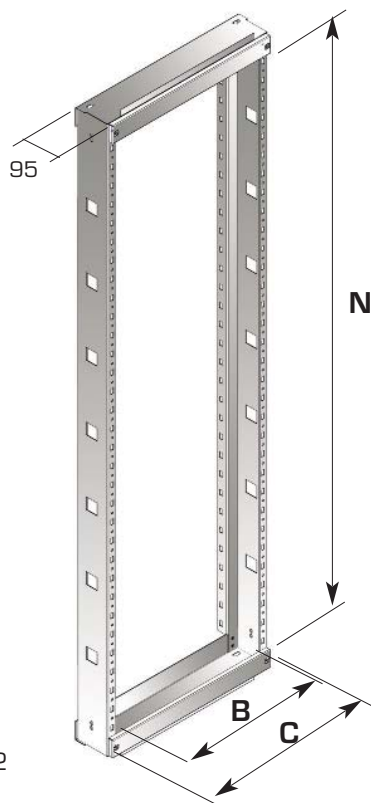


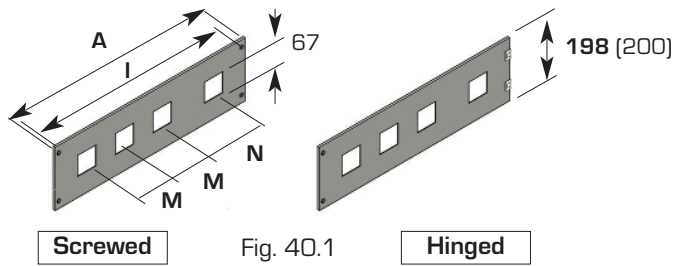
Fig. 39.2

## TMK - CODE AND CHARACTERISTIC DIMENSIONS

CODE	Nominal dimensions		Characteristic dimensions		
	H	L	B	C	N
<b>TMK166</b>	1600	600	445	465	1400
<b>TMK168</b>	1600	800	645	665	1400
<b>TMK186</b>	1800	600	445	465	1600
<b>TMK188</b>	1800	800	645	665	1600
<b>TMK206</b>	2000	600	445	465	1800
<b>TMK208</b>	2000	800	645	665	1800
<b>TMK226</b>	2200	600	445	465	2000
<b>TMK228</b>	2200	800	645	665	2000

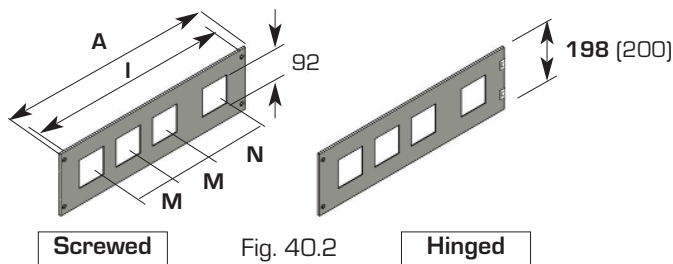
B - Modular internal frame  
 C - distance between square holes  
 Dimensions in mm

## INSTRUMENT PANEL WITH FOUR BORES 67x67 MM - Codes and dimensions



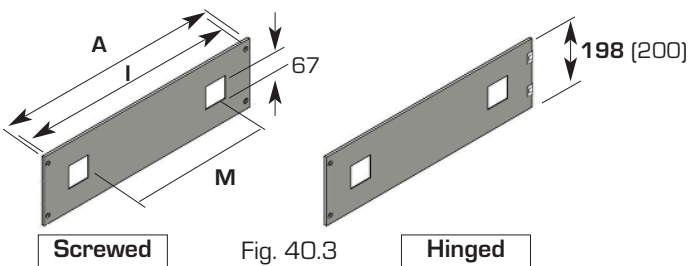
CODE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPX5472</b>	600	487	465	117	117
<b>CPX8472</b>	800	687	665	137	187
<b>CPX5472C</b>	600	487	465	117	117
<b>CPX8472C</b>	800	687	665	137	187

## INSTRUMENT PANEL WITH FOUR BORES 92x92 MM - Codes and dimensions



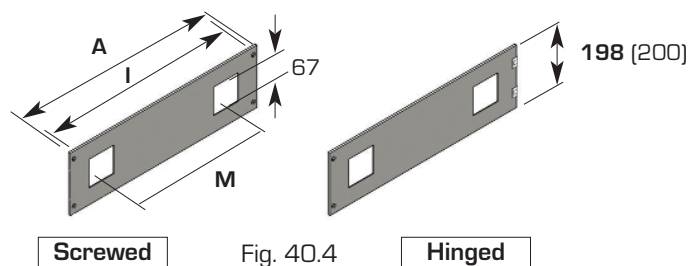
CODE	Width of bcabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPX8496</b>	600	487	465	142	177
<b>CPX8496C</b>	800	687	665	142	177

## INSTRUMENT PANEL WITH TWO BORES 67x67 MM - Codes and dimensions



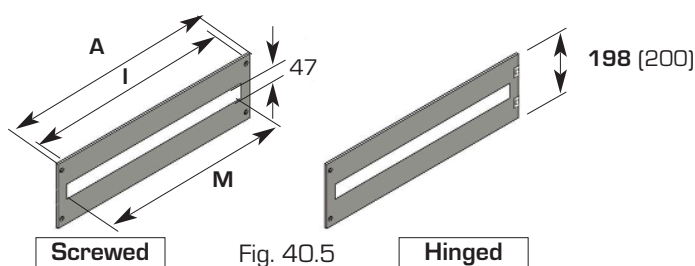
CODE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPX5272</b>	600	487	465	142	177
<b>CPX8272</b>	800	687	665	142	177
<b>CPX5272C</b>	600	487	465	261	-
<b>CPX8272C</b>	800	687	665	461	-

## INSTRUMENT PANEL WITH TWO BORES 92x92 MM - Codes and dimensions



CODICE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPX5296</b>	600	487	465	261	-
<b>CPX8296</b>	800	687	665	461	-
<b>CPX5296C</b>	600	487	465	261	-
<b>CPX8296C</b>	800	687	665	461	-

## PANEL FOR MODULES WITH SINGLE 47 MM SLOT - Codes and dimensions

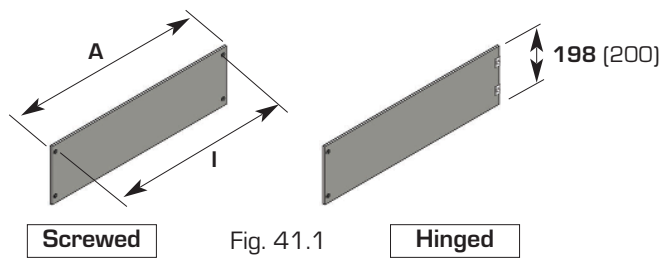


CODICE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPZ5422</b>	600	487	465	430	-
<b>CPZ8422</b>	800	687	665	630	-
<b>CPZ5422C</b>	600	487	465	430	-
<b>CPZ8422C</b>	800	687	665	630	-



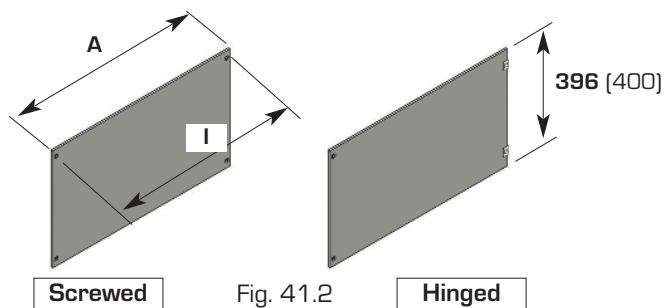
# OK D - Internal modular elements

## CLOSED INSTRUMENT PANELS - Codes and dimensions



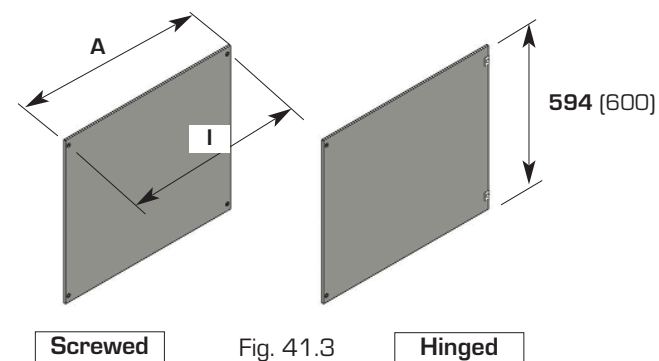
CODE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPY560</b>	600	487	465	-	-
<b>CPY860</b>	800	687	665	-	-
<b>CPY560C</b>	600	487	465	-	-
<b>CPY860C</b>	800	687	665	-	-

## DOUBLE CLOSED INSTRUMENT PANELS - Codes and dimensions



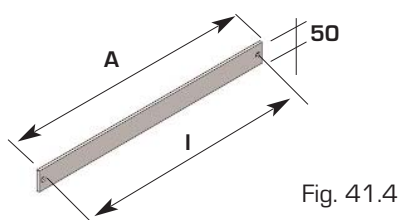
CODICE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPK561</b>	600	487	465	-	-
<b>CPK861</b>	800	687	665	-	-
<b>CPK561C</b>	600	487	465	-	-
<b>CPK861C</b>	800	687	665	-	-

## TRIPLE CLOSED INSTRUMENT PANELS - Codes and dimensions



CODE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>CPT560</b>	600	487	465	-	-
<b>CPT860</b>	800	687	665	-	-
<b>CPT560C</b>	600	487	465	-	-
<b>CPT860C</b>	800	687	665	-	-

## COMPENSATION PANELS (UPPER AND LOWER) - Codes and dimensions



CODICE	Width of cabinet	Characteristic dimensions			
	L	A	I	M	N
<b>PPC560</b>	600	487	465	-	-
<b>PPC860</b>	800	687	665	-	-

NOTE: ON REQUEST CUSTOMISED BORING OF MODULAR PANEL

## CPR - COMPONENT PLATE - Codes and dimensions

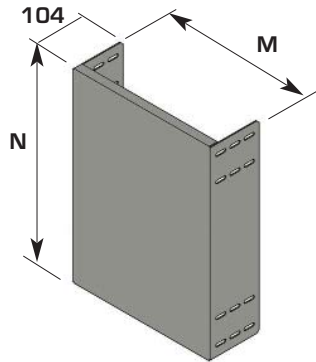


Fig. 42.1

CODE	Width of cabinet	Characteristic dimensions	
	L	M	N
<b>CPR602</b>	600	425	194
<b>CPR603</b>	600	425	294
<b>CPR604</b>	600	425	394
<b>CPR605</b>	600	425	494
<b>CPR606</b>	600	425	594
<b>CPR802</b>	800	625	194
<b>CPR803</b>	800	625	294
<b>CPR804</b>	800	625	394
<b>CPR805</b>	800	625	494
<b>CPR806</b>	800	625	594

## MTK - WIRING ACCESSORIES; CROSS PIECES FOR ATTACHMENT OF DIN BAR - Codes and dimensions

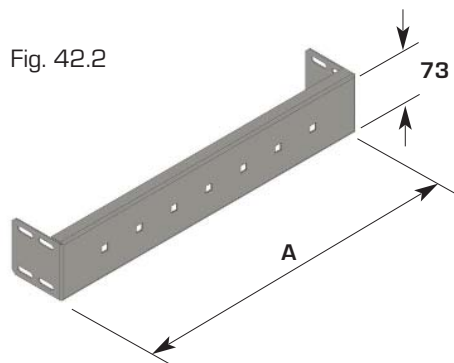


Fig. 42.2

CODE	Width of cabinet	Characteristic dimensions	
	L	A	
<b>MTK600</b>	600	425	DIN L=600
<b>MTK800</b>	800	625	DIN L=800

## CPP - WIRING ACCESSORIES; CROSS PIECES FOR ATTACHMENT OF DIN BAR - Codes and dimensions

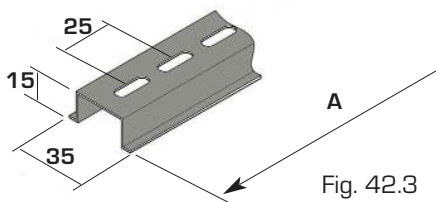


Fig. 42.3

CODICE	Width of cabinet	Characteristic dimensions	
	L	A	
<b>CPP344</b>	300	170	DIN L=170
<b>CPP444</b>	400	270	DIN L=270
<b>CPP544</b>	500	370	DIN L=370
<b>CPP644</b>	600	490	DIN L=490
<b>CPP844</b>	800	690	DIN L=690

## SGK - CROSSPIECES AND SECTIONS - Codes and dimensions

### SGD SECTIONS

This section is designed for application to DIN guide cabinets. It can be attached to the vertical struts of the cabinet, independently of the rack structure, or as an auxiliary to the rack itself, for special applications. It is usually coupled to the bored corner (CPS5846 of fig. 43.2, in which case it has a code as an SGK set)

CODE	Characteristic dimensions	
	W	I
<b>SGD150</b>	148	108
<b>SGD060</b>	58	18

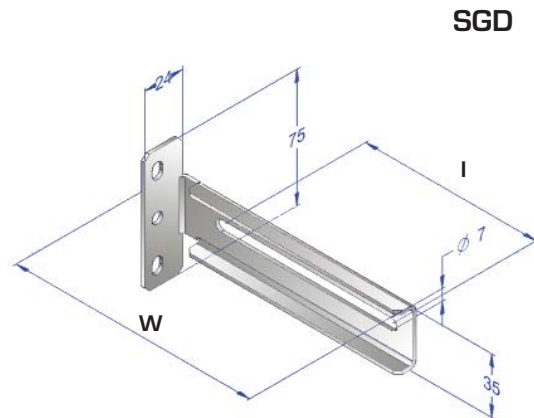
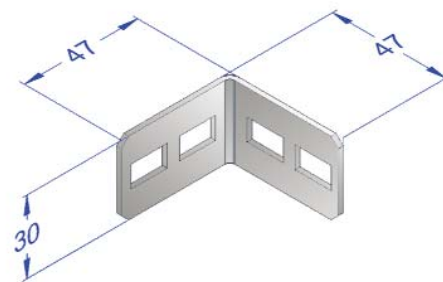


Fig. 43.1

CODE	Characteristic dimensions	
<b>CPS5846</b>	47x47x30	



CPS5846

Fig. 43.2

CODE	Composition Kit	
	Code	Code
<b>SGK150</b>	SGD150	CPS5846
<b>SGK060</b>	SGD060	CPS5846

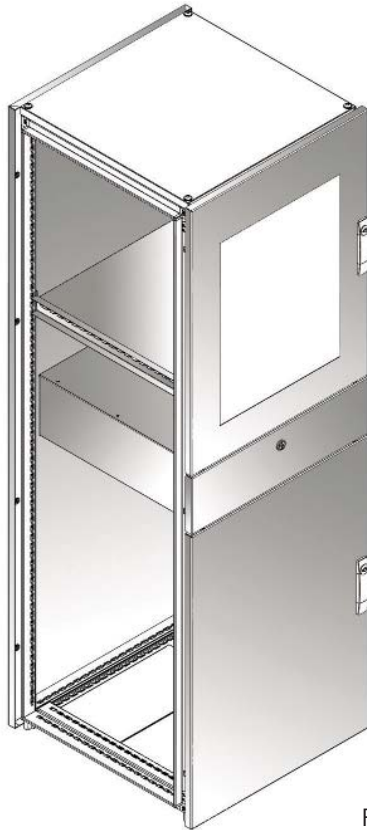


Fig. 44.1

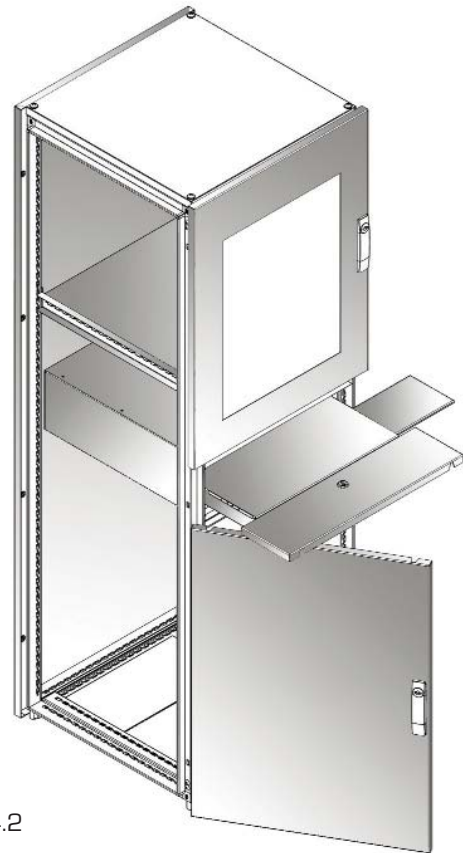


Fig. 44.2

### OKN - PC COLUMN

Today's industrial production is entirely controlled by computer; the OKN column adapts in a completely rational manner to this type of management. The commands for control and keyboard data input originate from this cabinet, which is integrated by visualisation on the monitor and printouts from the printer. The cabinet is made up of a door with and observation window in the upper part, to enable workers to see the monitor (with the possibility of entering data in the lower part of the door through a floppy disk slot - see fig. 44.3), a drawer on slides with a tip-down door for the keyboard and mouse in the middle and, in the lower part, a blind door that allows access, for the optional housing of a printer carriage, shelves for other equipment or a plate that can be up to 850 mm high (fig. 44.1 , 44.2).

#### COMPONENTS OF THE BASIC CABINET:

- OKK type bearing structure;
- Upper door that opening 120°, with 19" window, complete with lever bolt closure (opening may be increased to 180° on request
- Keyboard drawer;
- Blind lower door, opens 120°, complete with lever bolt closure (optional opening 180°);
- Screw and clip for a quick fixing rear panel;
- Two horizontal shelves for monitor and keyboard protection.

## OKN CABINET, CODE AND CHARACTERISTIC DIMENSIONS

CODE	Dimensions				
	Nominal			Characteristic	
	H	W	D	C	G
OKN1866	1800	600	600	100	775
OKN1886	1800	800	600	100	775
OKN2066	2000	600	600	220	975
OKN2086	2000	800	600	220	975

## OK N - PC COLUMN, ACCESSORIES

Legend: (fig. 45.2)

1. Sliding keyboard drawer;
2. Internal horizontal partition for monitor;
3. Airtight cubicle for keyboard (on request);
4. Supplementary sliding drawer (optional);
5. Mouse support.

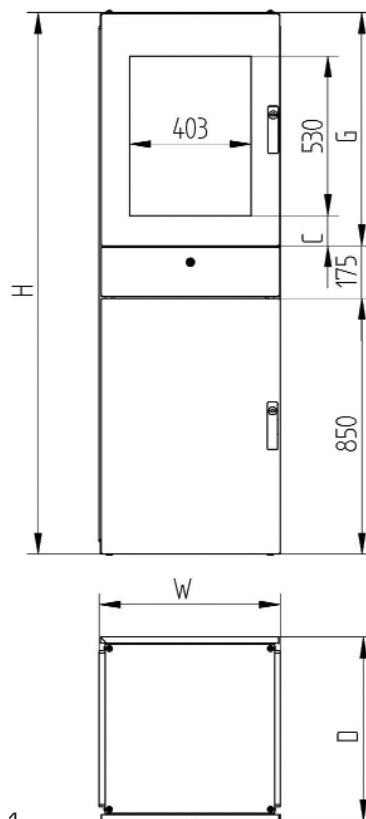


Fig. 45.1

## A - DOOR-TIE - Codes and dimensions

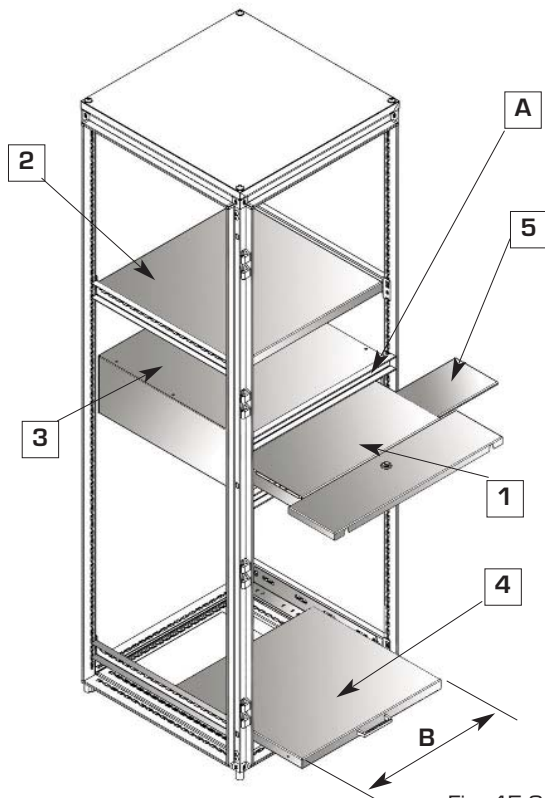


Fig. 45.2

CODE	Dimensions		
	Nominal	Characteristic	
	L	T	
TBK602	600	502	41
TBK802	800	702	41

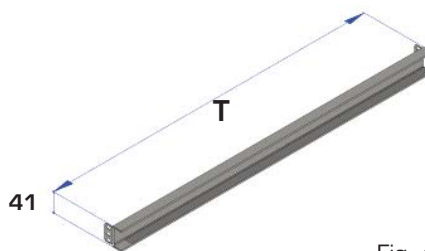


Fig. 45.3

**3 - AIRTIGHT CUBICLE**

CODE	DIMENSIONS	
	Nominal	Characteristic
	L	B
<b>CTSK600</b>	<b>600</b>	484
<b>CTSK800</b>	<b>800</b>	684

**3 - MOUSE SUPPORT**

CODE	DIMENSIONS	
	Nominal	Characteristic
	L	
<b>MSN100</b>	All	Standard

**4 - SLIDING DRAWER**

CODE	DIMENSIONS	
	Nominali	Caratteristiche
	L	B
<b>PCNK600</b>	<b>600</b>	480
<b>PCNK800</b>	<b>800</b>	680

**OKN CABINET, PRINTER SUPPORT**

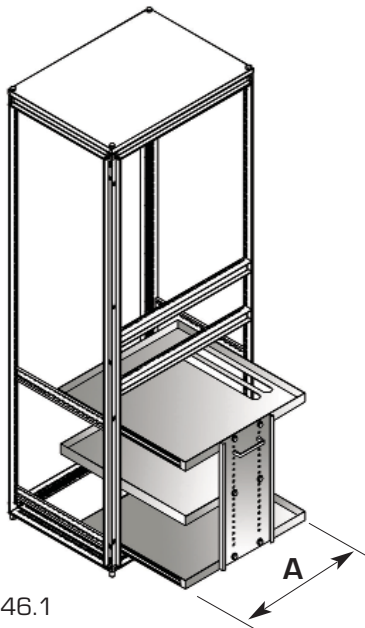


Fig. 46.1

CODE	DIMENSIONS	
	Nominal	Characteristic
	L	A
<b>CRK060N</b>	<b>600</b>	480
<b>CRK080N</b>	<b>800</b>	680

**OKN CABINET, SMALL INTERNAL PLATE**

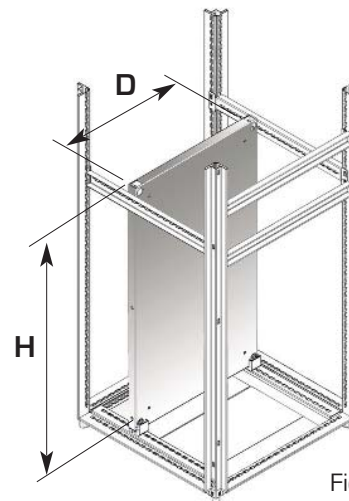


Fig. 46.2

CODE	DIMENSIONS		
	Nominal	Characteristic	
	L	D	H
<b>CPMK906</b>	<b>600</b>	490	750
<b>CPMK908</b>	<b>800</b>	690	750

**OKR** – A swinging rack frame is installed in this enclosure, supported and hinged to the lower and upper crosspieces. The 19" frame is monoblock. Its position inside the cabinet allows a rational exploitation of the space, assuring IP55.



Fig. 47.1

**FEATURES:**

1. OK Frame
2. Transparent external door
3. Rear panel
4. 19" swinging rack

**ADDITIONAL ELEMENTS:**

1. 19" open rack frame
2. Pair of fix vertical elements for rack system
3. Aluminium front panels
4. Rack panels socket
5. Plinth (H=100 or H=200)
6. Side panels

CODE	Nominal dimensions			HE Unit
	H	L	P	n°
<b>OKR 1884</b>	1800	800	400	36
<b>OKR 1885</b>	1800	800	500	36
<b>OKR 1886</b>	1800	800	600	36
<b>OKR 2084</b>	2000	800	400	40
<b>OKR 2085</b>	2000	800	500	40
<b>OKR 2086</b>	2000	800	600	40
<b>OKR 2088</b>	2000	800	800	40

**FIXED RACK VERTICAL STRUT PAIRS**

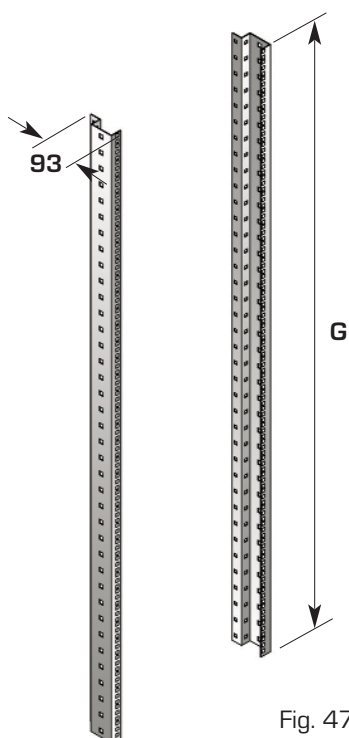


Fig. 47.2

CODE	DIMENSIONS			
	Nominali		Caratteristiche	
	H	G	HE Unit	
<b>STRK160</b>	1600	1480	32	
<b>STRK180</b>	1800	1680	36	
<b>STRK200</b>	2000	1880	40	
<b>STRK220</b>	2200	2080	46	

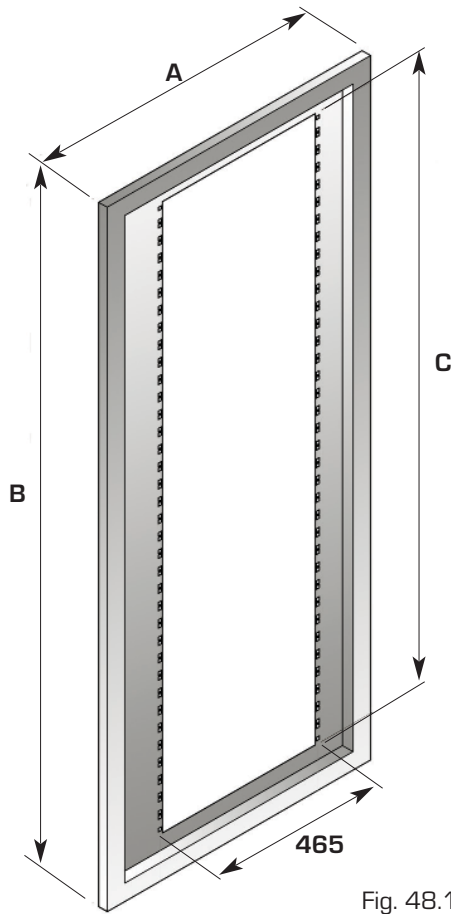


Fig. 48.1

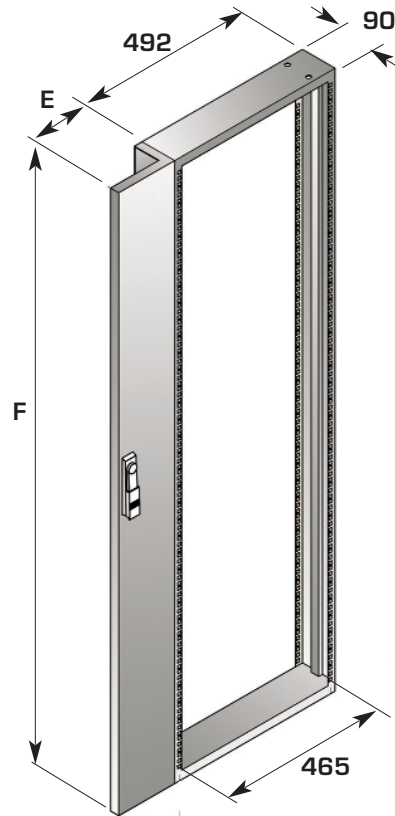


Fig. 48.2

### 19" OPEN RACK FRAME

CODE	DIMENSIONS					
	Nominal		Characteristic			
	H	L	A	B	C	HE Unit
<b>TREK188</b>	1800	800	792	1794	1689	38
<b>TREK208</b>	2000	800	792	1994	1867	42

### 19" INTERNAL SWIVEL RACK FRAME

CODE	DIMENSIONS					
	Nominal		Characteristic			
	H	L	E	F	-	HE Unit
<b>TRIK188</b>	1800	800	200	1678	-	38
<b>TRIK208</b>	2000	800	200	1878	-	42

### ALUMINIUM FRONT PANELS - CODES AND DIMENSIONS

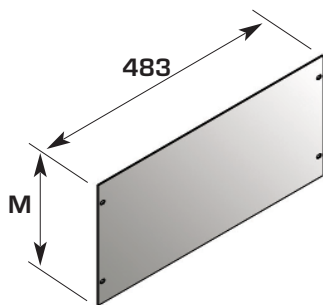


Fig. 48.3

CODE	Nominal dimensions		Characteristic Dimensions	
	HE Unit	M	INCHES (in)	
<b>PHE010</b>	1	44,00	1 ¾	
<b>PHE020</b>	2	88,00	3 ½	
<b>PHE030</b>	3	133,00	5 ¼	
<b>PHE040</b>	4	177,00	7	
<b>PHE050</b>	5	222,00	8 ¾	
<b>PHE060</b>	6	266,00	10 ½	
<b>PHE070</b>	7	311,00	12 ¼	
<b>PHE080</b>	8	355,00	14	
<b>PHE090</b>	9	400,00	15 ¾	
<b>PHE100</b>	10	444,00	17 ½	



# OK HORIZONTAL AND VERTICAL PARTITIONS

## CODES AND DIMENSIONS

**SOAK** - The partitions are normally attached to the front and rear vertical side struts. For particular requirements of capacity, support crosspieces may be coupled laterally

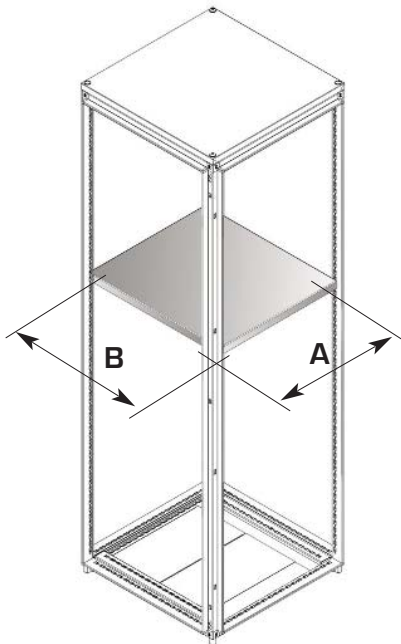


Fig. 49.1

CODE	DIMENSIONS			
	Nominal		Characteristic	
	W	D	A	B
SOAK605	600	500	499	461
SOAK606	600	600	499	561
SOAK608	600	800	499	761
SOAK804	800	400	699	361
SOAK805	800	500	699	461
SOAK806	800	600	699	561
SOAK808	800	800	699	761
SOAK105	1000	500	899	461
SOAK106	1000	600	899	561
SOAK108	1000	800	899	761
SOAK125	1200	500	1099	461
SOAK126	1200	600	1099	561
SOAK128	1200	800	1099	761
SOAK145	1400	500	1299	461
SOAK146	1400	600	1299	561
SOAK148	1400	800	1299	761
SOAK165	1600	500	1499	461
SOAK166	1600	600	1499	561
SOAK168	1600	800	1499	761

### SVNK, SVSK - VERTICAL BLIND SEGREGATION.

There are two types of vertical segregations, one standard and blind non-sealed, and one blind and airtight between two enclosures. The first one is fixed on the side of the vertical elements of the OK enclosure, the second is installed between the enclosures with a seal on both sides (fig. 49.2). Both can bear holes for connectors. The first one can be supplied with a holes' network 5x5 pattern 7 s=1 mm.

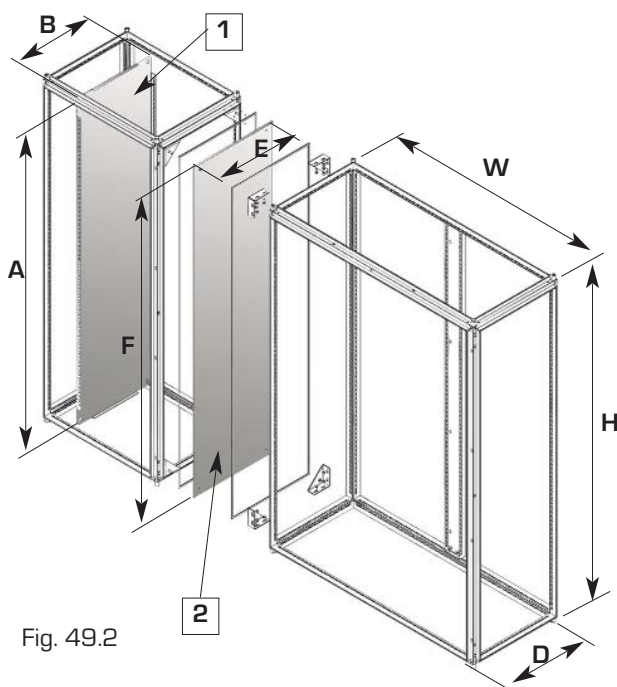


Fig. 49.2

Dimensioni in mm

CODE	DIMENSIONS			
	Nominal		Characteristic	
	H	D	A	B
SVNK164	1600	400	1493	300
SVNK165	1600	500	1493	400
SVNK166	1600	600	1493	500
SVNK184	1800	400	1693	300
SVNK185	1800	500	1693	400
SVNK186	1800	600	1693	500
SVNK188	1800	800	1693	700
SVNK204	2000	400	1893	300
SVNK205	2000	500	1893	400
SVNK206	2000	600	1893	500
SVNK208	2000	800	1893	700
SVNK226	2200	600	2093	500
SVNK228	2200	800	2093	700

CODE	DIMENSIONS			
	Nominal		Characteristic	
	H	D	F	E
SVSK164	1600	400	1509	319
SVSK165	1600	500	1509	419
SVSK166	1600	600	1509	519
SVSK184	1800	400	1709	319
SVSK185	1800	500	1709	419
SVSK186	1800	600	1709	519
SVSK188	1800	800	1709	719
SVSK204	2000	400	1909	319
SVSK205	2000	500	1909	419
SVSK206	2000	600	1909	519
SVSK208	2000	800	1909	719
SVSK226	2200	600	2109	519
SVSK228	2200	800	2109	719



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