

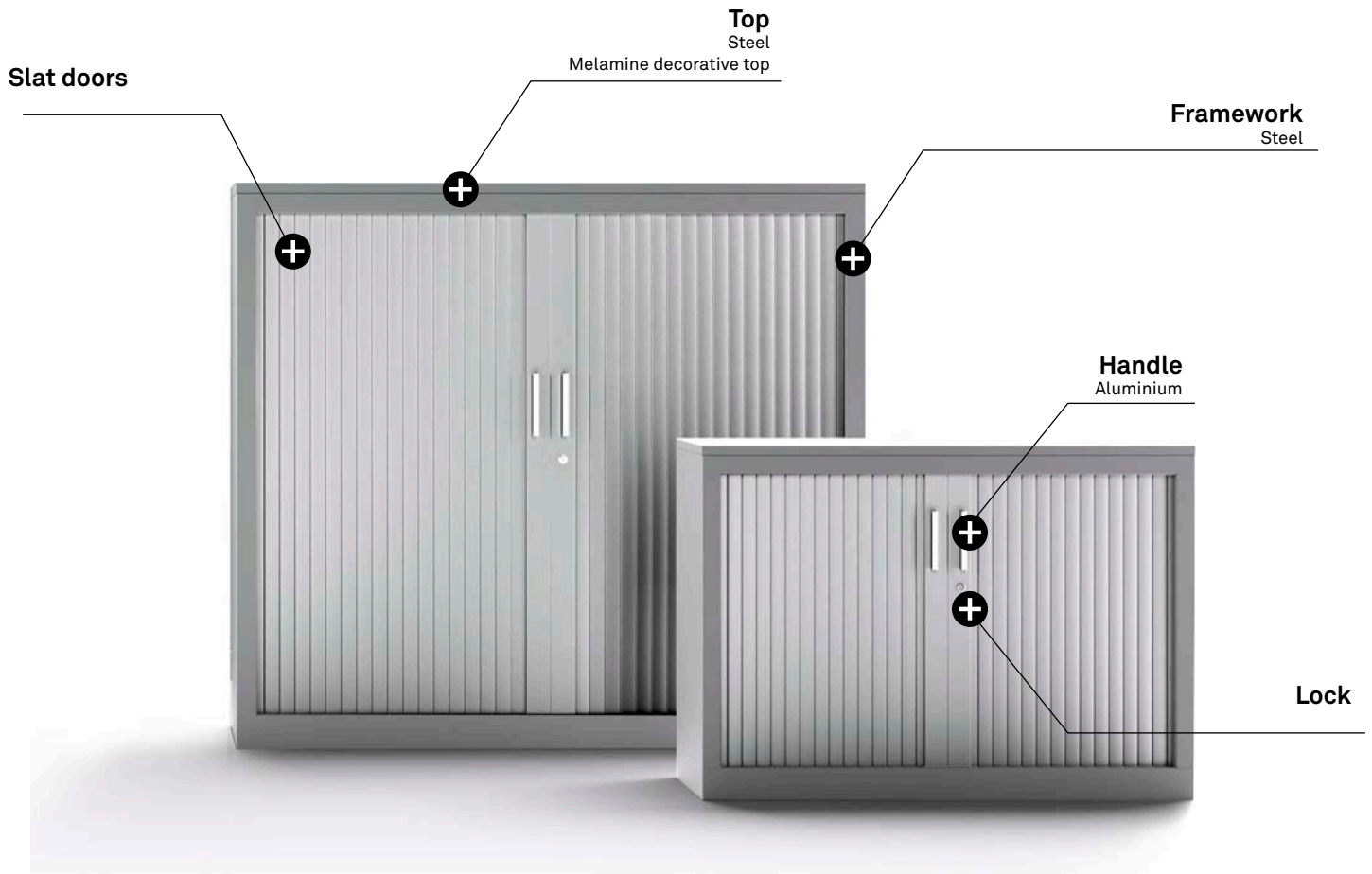
Forma 5

TECHNICAL FEATURES

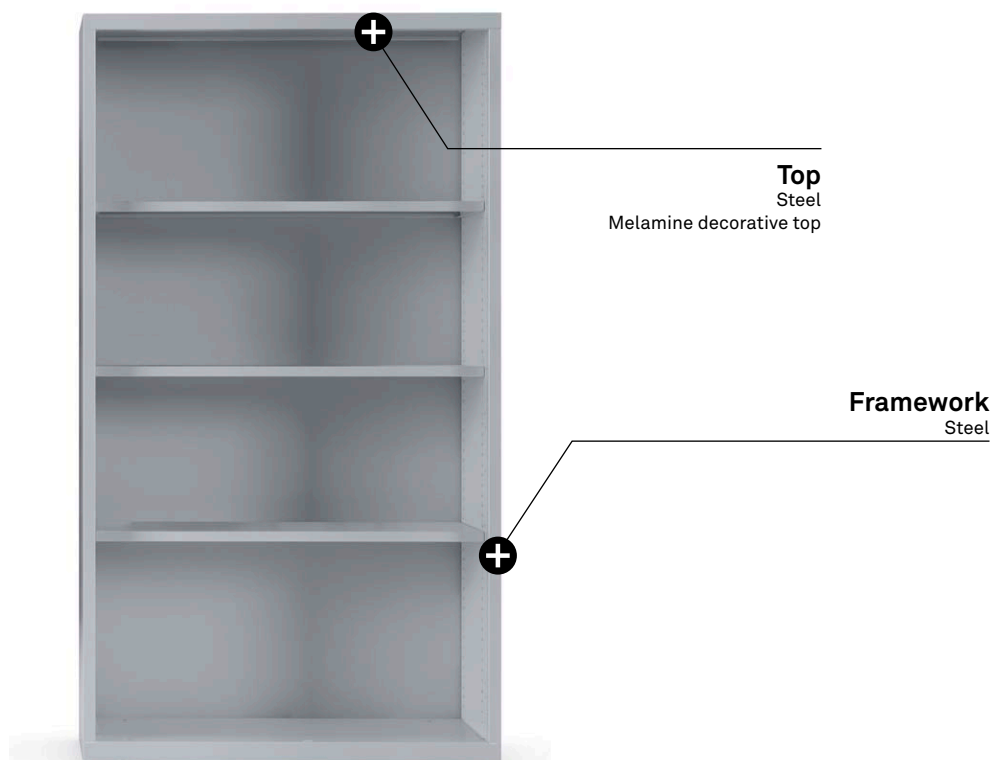
METAL STORAGE



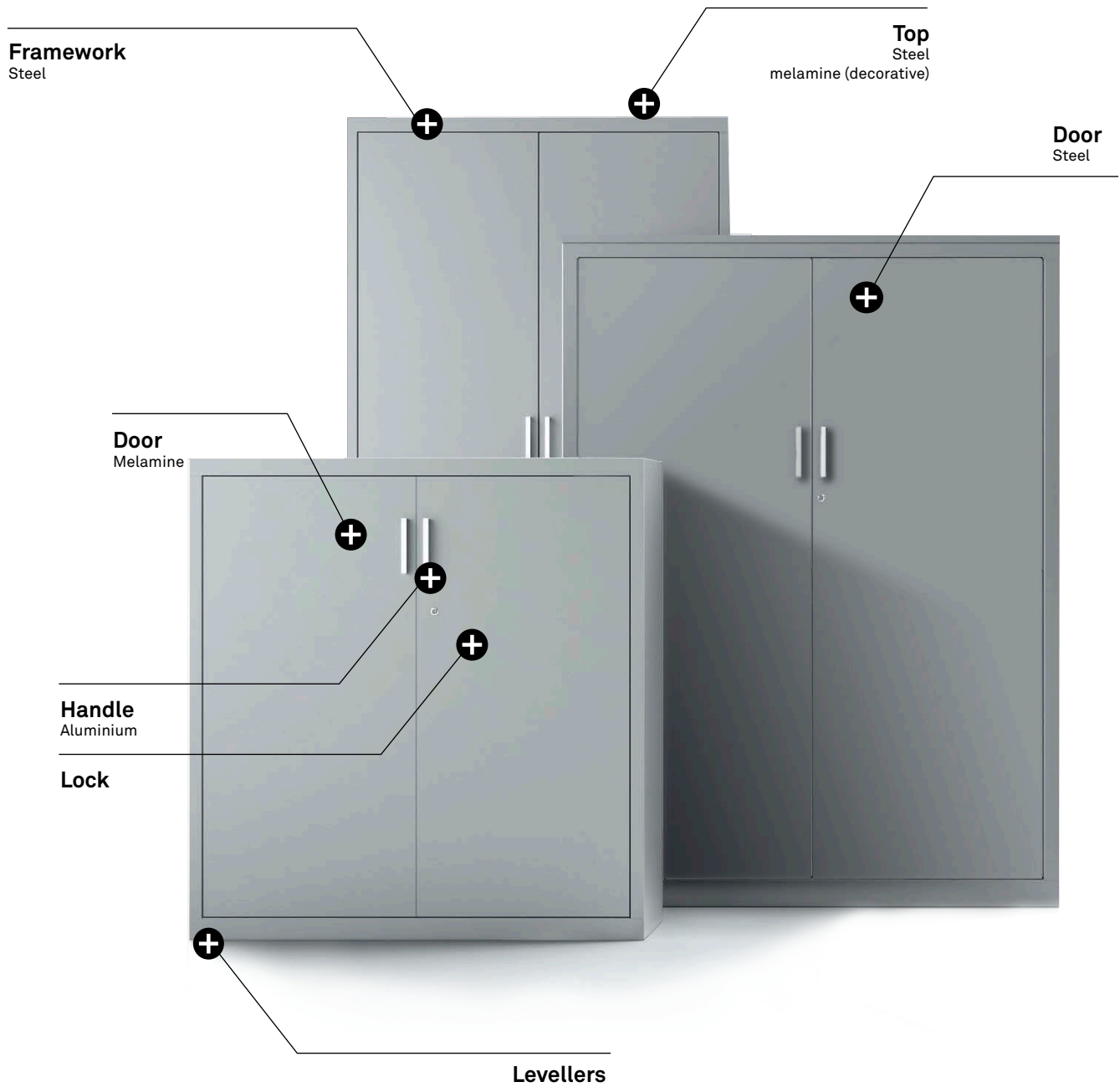
SLAT DOORS CABINET | DESK HEIGHT • LOW • INTERMEDIATE • MEDIUM • HIGH • OVERHEAD



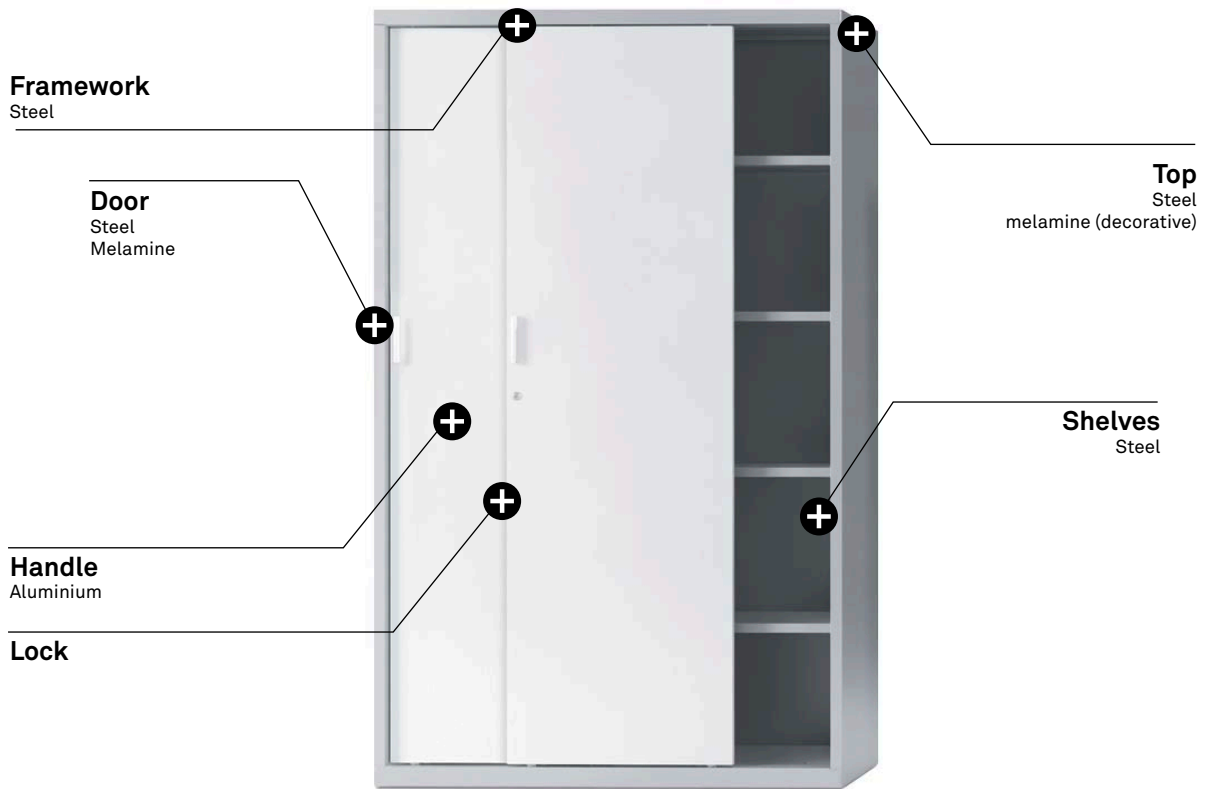
OPEN CABINETS | DESK HEIGHT • LOW • INTERMEDIATE • MEDIUM • MEDIUM-HIGH • HIGHT



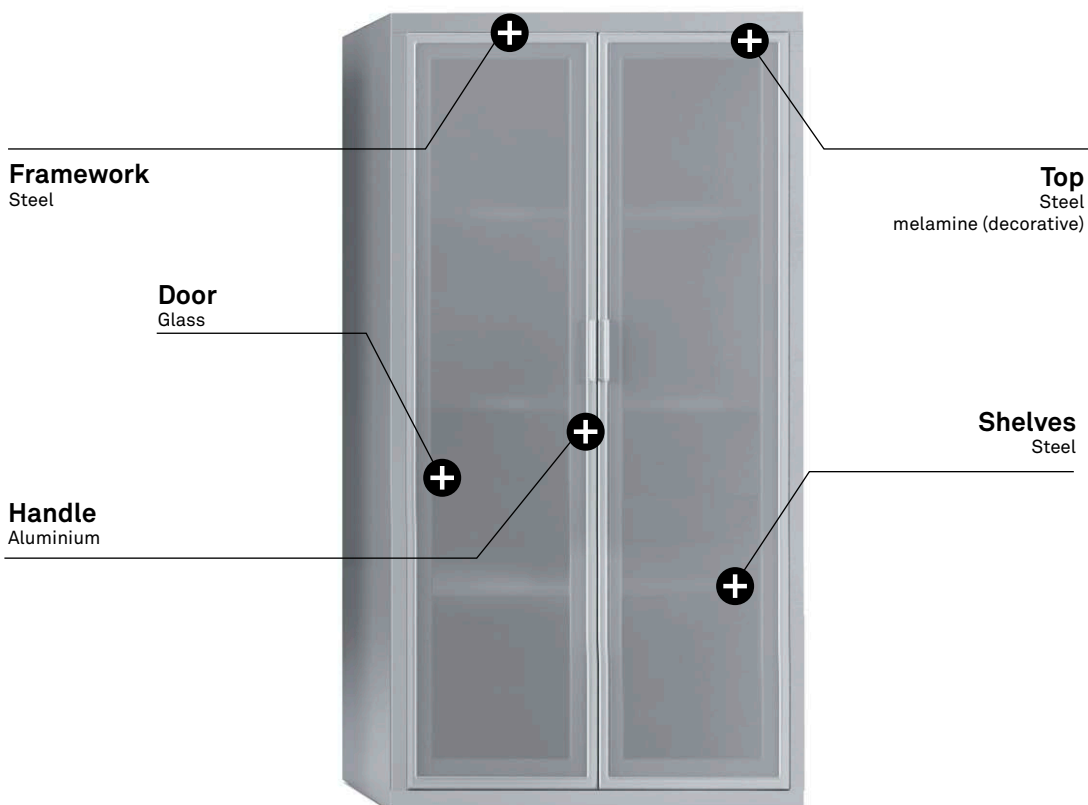
HINGED DOORS CABINET | LOW • INTERMEDIATE • MEDIUM • MEDIUM-HIGH • HIGH



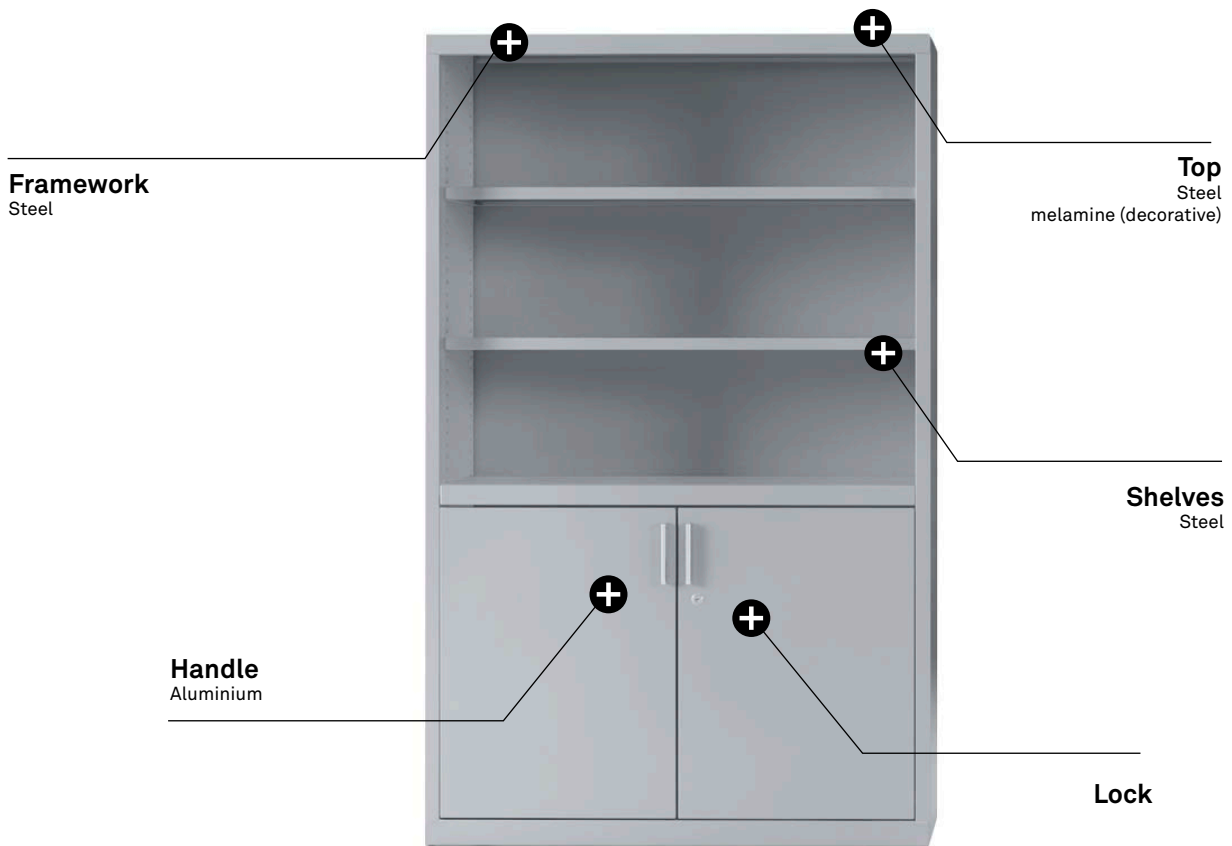
SLIDING DOORS CABINET | LOW • INTERMEDIATE • MEDIUM • MEDIUM-HIGH • HIGH



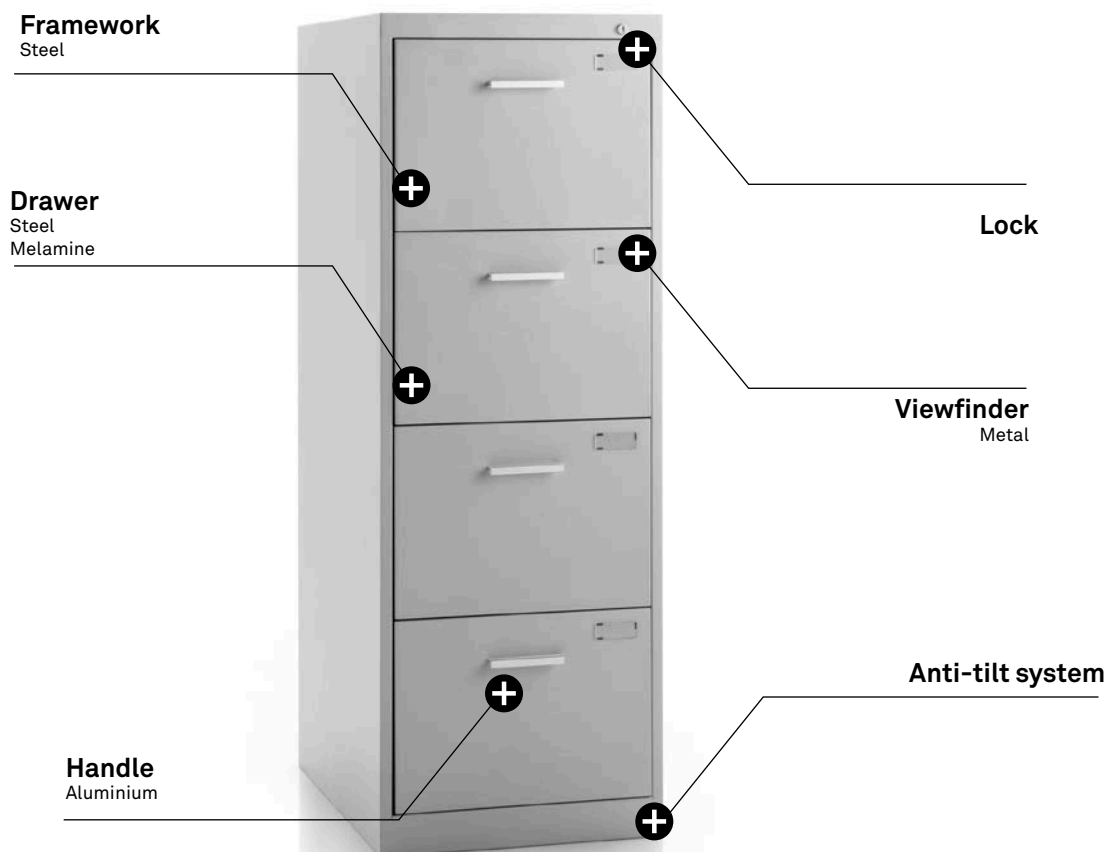
GLASS HINGED DOORS CABINET | DESK HEIGHT • LOW • INTERMEDIATE • MEDIUM



CABINETS WITH LOW DOORS



FILING DRAWER



STRUCTURE

FRAMEWORK

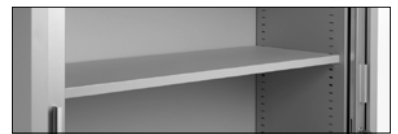
It is formed by several 0,8-1,2 mm thick low carbon content cold laminated sheet pieces, depending on the function and position inside the cabinet. Once the pieces have been assembled, they are all welded together. Later, it is covered with 100 micron thick powder epoxy paint, polymerized at 220 °C. It has rails at the top to hang files and optimize the inner space.

MELAMINE TOP:

19 mm thick melamine particle board with rectangular shape and 1,2 mm thick thermofused edges at the front and 0,5 mm thick edges at the remaining perimeter.

SHELF

0,8 mm thick cold laminated steel, covered with 100 micron thick epoxy paint, polymerized at 220°C. 25 mm high and folded to increase the strength. The front folds provide an option to hang files. It hangs from both sides of the inner laterals through a shlef-holder. Shelves may be high adjusted every 25 mm.



HINGED DOOR

METAL DOOR

0,8 mm thick cold laminates steel, reinforced with 2 vertical omegas, also made of 0,8 mm thick cold laminated steel the front one and 1,2 mm thick the rear one. They are welded together to provide strength to the door. Painted with 100 micron thick epoxy paint and polymerized at 220°C. A lock is included through rotational vertical rods, fixed to the floor and ceiling. Each door has aluminium handles and rubber stops to avoid noises.

MELAMINE DOOR

19 mm thick melamine particle board with rectangular shape and 1,2 mm thick thermofused edges around the perimeter. Aluminium handles fixed to 2 points and rotational vertical rod lock, fixed to the floor and the ceiling.

GLASS DOORS:

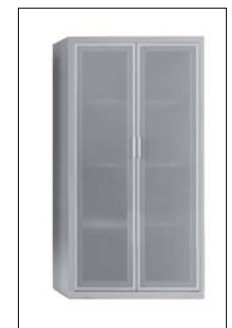
4 mm thick etched glass. Anodyzed aluminium frame.



Metal



Melamine



Glass

SLAT DOOR

2 slat doors with 8-10 slats, depending on the cabinet width. Each door is finished with a final aluminium slat, covered with polyamide. The final slat includes skid for a better sliding. The set also includes some polypropylene guides for a smooth and easy performance.



METAL FILE DRAWER

FRAMEWORK

Made of 0,8-1,2 mm thick cold laminated steel sheet, with low carbon content and finished with 100 micron powder paint, polymerized. The pieces are welded together. 2 1,5 mm thick omegas are included at the lower side to support the levellers. The guides include a quick assembly system to facilitate the extraction. The guides are go on inner omegas. The lock goes inside the framework to block the opening of more than one drawer at the same time.

DRAWER

Made of 0,8 mm thick cold laminated steel sheet, with low carbon content and 100 micron thick black epoxy paint, polymerized at 220 °C. 560 mm deep, 403 mm wide and 264 mm high. Quick assembly elements included. It may include DIN A4 files. It includes metal frames to hang the files. Supported by 2 total extraction ball guides.

METAL DRAWER FRONT

Made of 0,8 mm thick cold laminated steel sheet, with low carbon content and 100 micron thick polymerized powder epoxy paint. 2 pieces welded together: front and inner front. Fixed to the drawer through metric screws. Anodized aluminium handles. It includes an overviewer to identify the content at the upper right side. Fronts get inlayed regarding the laterals.

MELAMINE DRAWER FRONT

With 10 mm thick particles board and 1,2 mm thermofused edges in its whole perimeter. Anodized aluminium handles. It includes an overviewer to identify the content at the upper right side. Fronts get inlayed regarding the laterals.

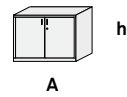
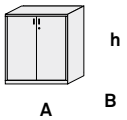
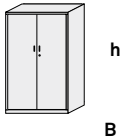
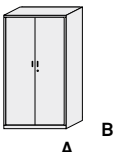
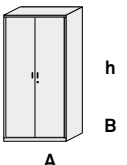
FITTINGS

Metric thread screws with toothed washer built. Central locking with anti-tilt security system consisting of a vertical falleba key with a latches system that block the lock drawers once another one is open, preventing more than one may be opened simultaneously to avoid accidental falls of the file drawer. Sliding balls system with a 35 mm profile height full extension and with a load capacity of 35 kg per drawer. Levelers to adjust the furniture once placed.

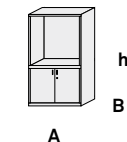
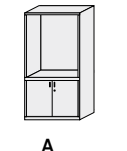
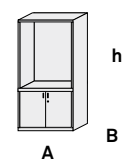


CONFIGURATIONS AND DIMENSIONS

HINGED DOORS CABINETS. METAL OR MELAMINE

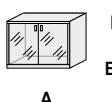
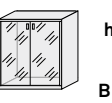

	DESK HEIGHT CABINET LOW CABINET	$A \times B \times h$ $A \times B \times h$	$80 \times 45 \times 71$ $100 \times 45 \times 71$
	INTERMEDIATE CABINET	$A \times B \times h$	$80 \times 45 \times 106$ $100 \times 45 \times 106$
	MEDIUM CABINET	$A \times B \times h$	$80 \times 45 \times 160$ $100 \times 45 \times 160$
	MEDIUM-HIGH CABINET	$A \times B \times h$	$80 \times 45 \times 180$ $100 \times 45 \times 180$
	HIGH CABINET	$A \times B \times h$	$80 \times 45 \times 198$ $100 \times 45 \times 198$

CABINETS WITH LOW DOORS. METAL OR MELAMINE

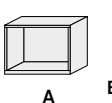
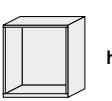
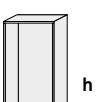
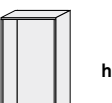
	MEDIUM CABINET	$A \times B \times h$	$80 \times 45 \times 160$ $100 \times 45 \times 160$
	MEDIUM-HIGH CABINET	$A \times B \times h$	$80 \times 45 \times 180$ $100 \times 45 \times 180$
	HIGH CABINET	$A \times B \times h$	$80 \times 45 \times 198$ $100 \times 45 \times 198$

CONFIGURATIONS AND DIMENSIONS

GLASS HINGED DOORS

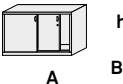
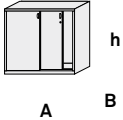
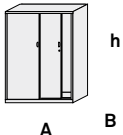
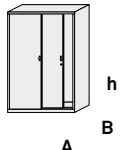
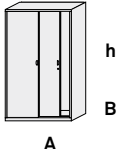
	DESK HEIGHT CABINET	$A \times B \times h$	80 x 45 x 71
	LOW CABINET	$A \times B \times h$	100 x 45 x 71
	INTERMEDIATE CABINET	$A \times B \times h$	80 x 45 x 106 100 x 45 x 106
	MEDIUM CABINET	$A \times B \times h$	80 x 45 x 160 100 x 45 x 160

OPEN CABINETS

	DESK HEIGHT CABINET	$A \times B \times h$	80 x 45 x 71
	LOW CABINET	$A \times B \times h$	100 x 45 x 71
	INTERMEDIATE CABINET	$A \times B \times h$	80 x 45 x 106 100 x 45 x 106
	MEDIUM CABINET	$A \times B \times h$	80 x 45 x 160 100 x 45 x 160
	MEDIUM-HIGH CABINET	$A \times B \times h$	80 x 45 x 180 100 x 45 x 180
	HIGH CABINET	$A \times B \times h$	80 x 45 x 198 100 x 45 x 198

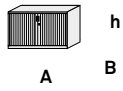
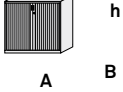
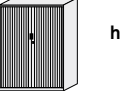
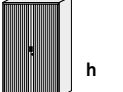

CONFIGURATIONS AND DIMENSIONS

SLIDING DOORS CABINETS. METAL OR MELAMINE

 <p>A diagram of a low cabinet with two sliding doors. The width is labeled 'A', the depth is labeled 'B', and the height is labeled 'h'.</p>	<p>LOW CABINET</p> <p>A x B x h</p> <p>120 x 45 x 71</p>
 <p>A diagram of an intermediate cabinet with two sliding doors. The width is labeled 'A', the depth is labeled 'B', and the height is labeled 'h'.</p>	<p>INTERMEDIATE CABINET</p> <p>A x B x h</p> <p>120 x 45 x 106</p>
 <p>A diagram of a medium cabinet with two sliding doors. The width is labeled 'A', the depth is labeled 'B', and the height is labeled 'h'.</p>	<p>MEDIUM CABINET</p> <p>A x B x h</p> <p>120 x 45 x 160</p>
 <p>A diagram of a medium-high cabinet with two sliding doors. The width is labeled 'A', the depth is labeled 'B', and the height is labeled 'h'.</p>	<p>MEDIUM-HIGH CABINET</p> <p>A x B x h</p> <p>120 x 45 x 180</p>
 <p>A diagram of a high cabinet with two sliding doors. The width is labeled 'A', the depth is labeled 'B', and the height is labeled 'h'.</p>	<p>HIGH CABINET</p> <p>A x B x h</p> <p>120 x 45 x 198</p>

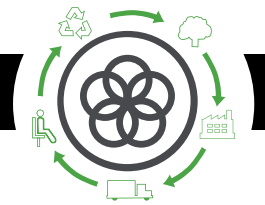
CONFIGURATIONS AND DIMENSIONS

SLAT DOORS CABINETS

	<p>DESK HEIGHT CABINET</p> <p>LOW CABINET</p>	<p>A x B x h</p> <p>A x B x h</p>	<p>80 x 45 x 71</p> <p>120 x 45 x 71</p>
	<p>INTERMEDIATE CABINET</p>	<p>A x B x h</p>	<p>100 x 45 x 106</p> <p>120 x 45 x 106</p>
	<p>MEDIUM CABINET</p>	<p>A x B x h</p>	<p>100 x 45 x 160</p> <p>120 x 45 x 160</p>
	<p>MEDIUM-HIGH CABINET</p>	<p>A x B x h</p>	<p>100 x 45 x 198</p> <p>120 x 45 x 198</p>
	<p>HIGH CABINET</p>	<p>A x B x h</p>	<p>100 x 45 x 50</p> <p>120 x 45 x 50</p>

FILE DRAWERS

	<p>METAL OR MELAMINE FRONT PANEL</p>	<p>A x B x h</p>	<p>47 x 62 x 132</p>
---	--------------------------------------	------------------	----------------------



Life Cycle Analysis
METAL STORAGE Program



RAW MATERIALS		
Raw Materials	Kg	%
Steel	28,91	59
Plastic	0,25	0,5
Wood	19,60	40
Upholsteries / Filling material	0,25	0,5

% Recycled material= 51%
 % Recyclable materials= 85%

Ecodesign

Results reached during the life cycle stages



MATERIALS

Wood

70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.

Steel

15%-99% recycled material.

Upholstered / Filling material

Filling without HCFC and upholsteries without COVs emissions. Accredited by Okotext.

Plastic

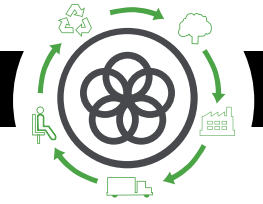
30%-40% recycled material.

Paintings

Podwer painting without COV emissions

Packings

100% recyclable with inks with no solvents.



PRODUCTION

Raw materials use optimization

Board, upholstery and steel tubes cut.

Renewable energies use

reducing the CO2 emissions. (Photovoltaic pannels)

Energy saving measures

in all production process

COV global emission reduction

of the production processes by 70%.

Podwer painting

ecoverly of 93% of the non deposited painting

Glue removal from the upholstery

The facilities have an internal sewage for liquid waste.

Green points

at the factory

100% waste recycling

at production process ans dangerous waste special treatment.



TRANSPORT

Cardboard use opmitization

of the packings

Cardboard and packing materials use reduction

Flat packings and small bulks to optimize the space.

Solid waste compacter

which reduces transport and emissions.

Light volumes and weights

Transport fleet renewal

reducing by 28% the fuel consumption.

Suppliers area reduction

Local market power and less pollution at transport.



USE

Easy maintenance and cleaning

without solvents.

Forma 5 guarantee

The highest quality

for materials to provide a 10 year average life of the product.

Useful life optimization

of the product due to a standarized and modular design.

The boards

with no E1 particle emission.



END LIFE

Easy unpacking

for the recyclability or compound reuse.

Piece standarization

for the use.

Recycled materials used for products

(% recyclability):

Wood is 100% recyclable.

Steel is 100% recyclable.

With no air or water pollution

while removing waste.

Returnable, recyclable and reusable packing

Product recyclability 85%

MAINTENANCE AND CLEANING GUIDE

MELAMINE PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

PLASTIC PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

METAL PIECES

- 1 Rub the dirty spots with a wet cloth with PH neutral soap.
- 2 Polished aluminium pieces can have their polish bak by covering and rubbing them with a dry cottom cloth.

GLASS PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

Do not use abrasive products in any case.

CERTIFICATES

Forma 5 certifies that the Metal Storage program has passed all tests provided by our intern Quality Department and the Technological Research Center (CIDEMCO) with "satisfactoru" results:

UNE-EN 15372:2008: "Furniture. Resistance, durability and security. Requirements for non-domestic use tables".

UNE EN 14073-2:2005: "Office furniture. Storage cabinets. Part 2: Security requirements".

UNE EN 14073-3:2005: "Office furniture. Storage cabinets. Part 3: Testing methods to determine the structure stability and resistance".

UNE EN 14074:2005: "Office furniture. Desks and storage cabinets. Testing methods to determine the structure stability and resistance of moving parts "

Developed by FORMA 5 R&D