



# GENERAL INFORMATION

## Hinge specification guide.

### Factors determining selection of the proper hinge

- A) Type of door and frame
- B) Size, thickness and weight of door with all hardware accessories
- C) Clearance required
- D) Use – Exterior or interior, frequency
- E) Exposure (sea air, dust, corrosive atmosphere, etc.)
- F) Quality desired

- G) Special application or use
- H) Door accessories (overhead holders, closers, stops, kick plates, etc.) which affect hinge performance
- I) Hinge edge of door beveled or square

## Requirements for selection of proper hinge specification

### 1. Kind of hinge

Primary consideration is given to the type of door and jamb for selection of a definite kind of hinge.

### 2. Type of hinge – Ball bearing, plain, etc.

The weight of the door and frequency used determine whether a heavy weight, standard weight ball bearing or plain bearing hinge should be used – Heavy weight hinges should always be used on heavy doors and doors where high frequency service is expected – Use ball bearing hinges on doors equipped with closers. (More details on page 4).

### 3. Size of hinge

Determined by width, thickness and weight of door and trim to clear. (More details on page 5).

### 4. Kind of metal

Determined by considerations such as atmospheric conditions, location of doors, or special conditions as in chemical laboratories, sewage disposal plants, etc. Non ferrous metal must always be used for rust resistance.

### 5. Quality of finish

Finish on hinges is always furnished to our standard and government standard finishes.

When an exact match of another manufacturer's finish is desired, submit sample. (Minimum quantity required).

### 6. Location of hinges on doors and maintenance

Improper maintenance or wrong installation of hinges can affect the life of the product and cancel the guarantee (More details on page 6).

### 7. Number of hinges required on doors

#### Always specify at least three hinges to a door ...

because the third hinge shares the load with the other two hinges and increases the life of the installation.

Doors with closers, holders and stops are subject to forces and stresses not encountered in free hanging and free swinging doors. These doors require a hinge with

particularly good lateral load capacities to be able to take such stresses. The top hinge suffers severe abuse, and to the extent that it loosens, the center hinge takes up the load. (More details on page 6).

### 8. Hand of door

Anchor type, raised barrel hinges, etc. are handed and should be specified right or left hand. (More details on page 6).

### 9. Industrial:

Hinges described in this catalogue, can be modified to meet the requirements of industry. Your inquiries, with detailed drawing of requirements, are cordially invited by our technical department. (Minimum quantity required).

### 10. Packing

Our products are packed and protected in strong approved containers.

All hinges are individually wrapped to protect the finish, and packed one and a half pair (1 1/2) per box with full machine and full wood screws.

### 11. Trade Mark

The trademark **MONTREAL** known all over North America, is a symbol of quality and service. The trademark you can rely on.