

Industrial Sectional Doors



The Toshi INDUSTRIAL SECTIONAL DOORS are an ideal solution for business and production. They possess increased endurance and can be made for any room constructions. Special technologies are used to ensure the long-term fail-free operation with high intensity. Special elements, which increase their reliability and wear resistance, are provided for in the structure of doors and guides. Toshi in its doors realizes the most advanced technologies; thereby they possess the unique service performance.

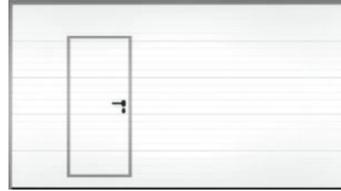
The sealing system is used in Toshi industrial doors; owing to it, the increased thermal insulation is provided. Industrial sectional doors contribute to heat conservation. The maintenance of favourable temperature conditions is an important concern of enterprises in winter.

- ✓ SAFETY
- ✓ RELIABILITY
- ✓ EFFICIENCY
- ✓ LONG LIFE

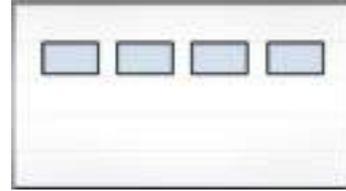
VERSIONS OF INDUSTRIAL SECTIONAL DOORS ISD 01



Sectional doors



Sectional doors with pass door

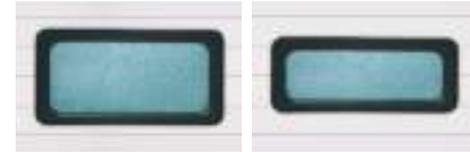


Sectional doors with windows

INDUSTRIAL DOORS ISD 01

Doorway height: from 2m to 8m;
 Doorway width: from 2m to 6m;
 Lintel height: minimum 150 mm;
 Room depth: door leaf height plus 500 mm;
 Distance from doorway edge to wall: minimum 130 mm.

WINDOWS



TECHNICAL PARAMETERS

Heat conductivity factor	0.38 W/m °C
Acoustic insulation	24 dB
Wind load	3 class* (200 km/h)
Watertightness	1 class (water pressure 30 Pa)
Lifting force	up to 40 kg
Door leaf weight	17 kg/m ²

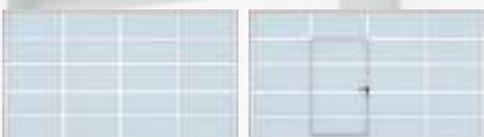
Toshi offers special windows for cutting into the industrial sectional doors leaf. Due to the special structure, a window is snug against the door leaf Bopt, hence one manage to avoid frost penetration and heat losses along the window perimeter. Technical dimensions: 635x330, 607x202.

PANORAMIC DOORS

Toshi industrial **PANORAMIC DOORS** are a unique solution for projects, where it is required to provide maximum view of inner or outer space. Industrial panoramic doors are a modern design solution, which will decorate the front. If it is necessary to ensure the increased light transmission capability of the doors, Toshi offers fully-glazed doors.

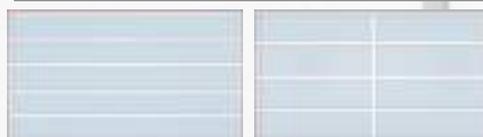
FULLY-GLAZED PANORAMIC DOORS WITH LINTELS

VERSIONS OF INDUSTRIAL SECTIONAL DOORS ISD 02



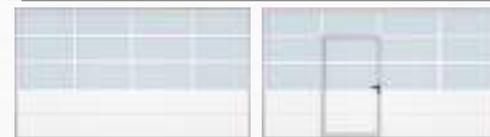
Full glazed doors

Fully-glazed doors with pass door



Fully-glazed doors

Fully-glazed doors with profile



Combined panoramic doors

Combined panoramic doors with pass door

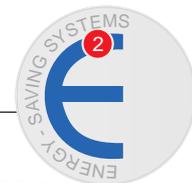
Glazed panoramic panels for Aluminum sections form a door leaf.

Doorway dimensions:

Width: 2,000-6,000 mm;
 Height: 2,000-8000 mm;
 Lintel height: minimum 150mm
 Distance from doorway edge to wall: minimum 130 mm;
 Room depth: door leaf height plus 500 mm (up to the lift).

Dimension of cell light:

Height: from 370 to 650 mm;
 Width: maximum 3,000 mm (with vertical lift and leaf width equal to 4.5 – 6m, light with – maximum 900mm)
 Installation of composite panels into any doorway instead of insulated glazing unit material is possible.



PANEL TYPES



Standard ribs



Microrib



Smooth with central rib

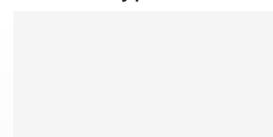


Smooth

At your desire it is possible to paint panels into any color as per the international RAL card. During printout the colors can be distorted, please use the original RAL card.



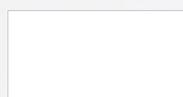
Surface types



Smooth Surface



Stucco Surface



RAL9003 White



RAL8014 Brown



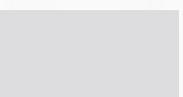
RAL5005 Blue



RAL6005 Green



RAL3005 Claret



RAL9006 Silver



RAL1000 Beige



RAL7004 Grey

Foamed polyurethane, a modern, durable, mon-moisture absorbing insulant, is used as filler in Toshi panels. Panel thickness – 40 mm, it is optimum of use in any climatic conditions.

Another construction feature – availability of reinforcement under hinges: steel plates, which provide the increased strength of joint and strengthen stiffness and burglary resistance of doors.



ACCESSORIES. TYPES OF PANORAMIC DOOR FELLING

RICH CHOICE, OPTIMUM SOLUTION

Polycarbonate is used for panoramic door glazing; it possesses a number of advantages:

Polycarbonate

High optical transparency;
Low weight;
Weather resistance.

TECHNICAL PARAMETERS

Thickness of insulated glazing unit made of acryl	22 mm
Panel height is dynamically calculated on the basis of doorway height:	Maximum value - 650 mm, Maximum value - 370 mm
Maximum doorway width without lintel	900 mm
Maximum doorway width with lintel	6000 mm
Maximum panel section height	8000 mm

Impact-resistant polycarbonate

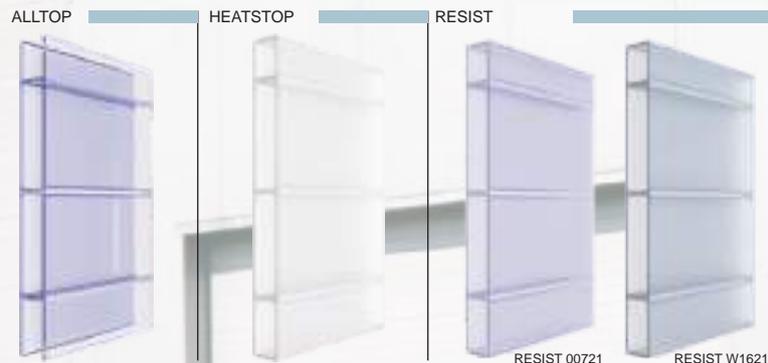
Impact-resistant polycarbonate possesses such unique properties as lightness, extreme transparency and resistance to damaging factors, including unfavorable weather conditions (even hail), and fire resistance, also it is convenient for assembly. The translucent panels with impact-resistant polycarbonate are 200 times stronger than glass. The strength of polycarbonate sheets is permanent under any weather conditions within the temperature range from -400 C to +1200 C. Besides; such panels possess the increased light transmission up to 92% and do not change their properties even if exposed to direct sunlight for a long time.

TECHNICAL PARAMETERS

Thickness of insulated glazing unit made of impact-resistant Polycarbonate	22 mm
Panel height is dynamically calculated on the basis of doorway height:	Maximum value - 650 mm, Maximum value - 370 mm
Maximum doorway width without lintel	3190 mm
Maximum doorway width with lintel	6000 mm
Maximum panel section height	8000 mm

Louvered organic glass

Louvered glass, used for production of insulated glazing units in panoramic panels, is an extruded acrylic sheet (Plexiglas), possessing unequalled resistance to weather conditions and high transparency (clear sheet: 92% light transmission). Due to inner fins in the louvered organic glass, panels possess the increased strength. Three types of the louvered organic glass with different transparency degrees. Different dimensions of inner chambers and different tint coating are used.



Dealer in your region :



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