



## Manual sliding doors

BS 80

KSL 80 / KS 100

GSL 120/ GS 140|160|200

Application

Service rooms

Cold storage rooms

Freezer rooms

Dimensions in inch

1-FLG Max. Width

98.43"

236.22" / 236.22"

236.22" / 236.22"

Max. Height

118.11"

236.22" / 236.22"

236.22" / 236.22"

2-FLG Max. Width

196.85"

314.96" / 314.96"

314.96" / 314.96"

Max. Height

196.85"

236.22" / 236.22"

236.22" / 236.22"

Other formats available on request.

Other formats available on request.

Other formats available on request.

Sheet thickness

3.15"

3.15" / 3.94"

4.72" / 5.51" / 6.30" / 7.87"

Temperature range

Normal temperature up to 33.8°F

-18.4°F

-112°F

Heating

default

opt. Increased heating

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2  
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,  
corrosion protection class III according to DIN EN 10169/10143,  
polyester coating 25µm  
Industrial colors according to ems color table

Hinges

Hygienic tube track, polished,  
stainless steel V2A roller holder

Windows with stainless steel glazing beads

VSG or polycarbonate, rectangular, d=0.24"  
VSG or polycarbonate, round, Ø=18.90"

ISO-2-fold, d=1.10"  
ISO-3-fold, d=1.26"  
(opt. surface heated)

Seals

Side seal

EPDM

Bottom seal

-

TPE teflon-coated

Fittings

Stainless steel tubular handle

ems stainless steel lever handle 2013/2020

Options Door leaf / Frame

Bolt locking, Impact protection

Pipe path passage  
Cold interrupter

Shock chamber design  
Pressure equalization valve  
(opt. heated)  
additional heating closure

Frame

For technical details see page 8

Installation brickwork

Flat frame 5,91" x 1,77" (bracket mounting)

Fig. 1.2

Fig. 1.2

Flat frame 5,91" x 1,77" (with pocket holes)

Fig. 1.1

Fig. 1.1

Installation panels

Clamping frame Installation

Fig. 1.3

Fig. 1.3

Fig. 1.3

Threshold

Fig. 1.4 / Fig. 1.5

Fig. 1.6



**Semi-automatic sliding doors**

BS 80

KSL 80 / KS 100

GSL 120/ GS 140|160|200

Application

Service rooms

Cold storage rooms

Freezer rooms

Dimensions in inch

1-FLG Max. Width

53.15"

53.15"

53.15"

Max. Height

92.52"

92.52"

92.52"

Other formats available on request.

Other formats available on request.

Other formats available on request.

Sheet thickness

3.15"

3.15" / 3.94"

4.72"

5.51" / 6.30" / 7.87"

Temperature range

Normal temperature up to 33.8°F

-18.4°F

-112°F

Heating

default

opt. Increased heating

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2  
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,  
corrosion protection class III according to DIN EN 10169/10143,  
polyester coating 25µm  
Industrial colors according to ems color table

Hinges

Hygienic tube track, polished,  
stainless steel V2A roller holder

Windows with stainless steel glazing beads

VSG or polycarbonate, rectangular, d=0.24"  
VSG or polycarbonate, round, Ø=18.90"

ISO-2-fold, d=1.10"  
ISO-3-fold, d=1.26"  
(opt. surface heated)

Seals

Side seal

EPDM

Bottom seal

-

TPE teflon-coated

Fittings

Stainless steel tubular handle

ems stainless steel lever handle 2013/2020

Options Door leaf / Frame

Bolt locking, Impact protection

Pipe path passage  
Cold interrupter

Shock chamber design  
Pressure equalization valve  
(opt. heated)  
additional heating closure

Frame

For technical details see page 14

Installation brickwork

Flat frame 5,91" x 1,77" (bracket mounting)

Fig. 2.2

Fig. 2.2

Flat frame 5,91" x 1,77" (with pocket holes)

Fig. 2.1

Fig. 2.1

Installation panels

Clamping frame Installation

Fig. 2.3

Fig. 2.3

Fig. 2.3

Threshold

Fig. 2.4 / Fig. 2.5

Fig. 2.6



## Automatic sliding doors

BS 80

KSL 80 / KS 100

GSL 120/ GS 140|160|200

Application

Service rooms

Cold storage rooms

Freezer rooms

Dimensions in inch

1-FLG Max. Width

98.43"

236.22" / 236.22"

236.22" / 236.22"

Max. Height

118.11"

236.22" / 236.22"

236.22" / 236.22"

2-FLG Max. Width

196.85"

314.96" / 314.96"

314.96" / 314.96"

Max. Height

196.85"

236.22" / 236.22"

236.22" / 236.22"

Other formats available on request.

Other formats available on request.

Other formats available on request.

Sheet thickness

3.15"

3.15" / 3.94"

4.72" 5.51" / 6.30" / 7.87"

Temperature range

Normal temperature up to 33.8°F

-18.4°F

-112°F

Heating

default

opt. Increased heating

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2  
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,  
corrosion protection class III according to DIN EN 10169/10143,  
polyester coating 25µm  
Industrial colors according to ems color table

Hinges

Hygienic tube track, polished,  
stainless steel V2A roller holder

Windows with stainless steel glazing beads

VSG or polycarbonate, rectangular, d=0.24"  
VSG or polycarbonate, round, Ø=18.90"

ISO-2-fold, d=1.10"  
ISO-3-fold, d=1.26"  
(opt. surface heated)

Seals

Side seal

EPDM

Bottom seal

-

TPE teflon-coated

Fittings

Stainless steel tubular handle

ems stainless steel lever handle 2013/2020

Options Door leaf / Frame

Safety edge, optional moving light grid, Bolt locking, Impact protection,  
Pull switch, Ultrasonic sensor, Patented decoupling mechanism

Pipe path passage

Cold interrupter

Shock chamber design  
Pressure equalization valve  
(opt. heated)  
additional heating closure

Frame

For technical details see page 20

Installation brickwork

Flat frame 5,91" x 1,77" (bracket mounting)

Fig. 3.2

Fig. 3.2

Flat frame 5,91" x 1,77" (with pocket holes)

Fig. 3.1

Fig. 3.1

Installation panels

Clamping frame Installation

Fig. 3.3

Fig. 3.3

Fig. 3.3

Threshold

Fig. 3.4 / Fig. 3.5

Fig. 3.6



## Gas-tight ULO sliding doors

## ULO GL 100

Application

Storage rooms / CA rooms (controlled atmosphere)

Dimensions in inch

1-FLG Max. Width

236.22" / 236.22"

Max. Height

236.22" / 236.22"

Other formats available on request.

Sheet thickness

3.94"

Temperature range

Normal temperature up to 33.8°F

Heating

-

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2  
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,  
corrosion protection class III according to DIN EN 10169/10143,  
polyester coating 25µm

Hinges

Industrial colors according to ems color table

Hygienic tube track, polished,  
stainless steel V2A roller holder

Windows

Gas-tight special window, rectangular, 23,62" x 31,50",  
ISO double-glazed lockable with emergency release

Seals

Side seal

Vulcanized double hollow chamber seal

Bottom seal

Vulcanized double hollow chamber seal

Fittings

ems stainless steel lever handle 2020  
ems-press special locking system

Options Door leaf / Frame

Frame

For technical details see page 26

Installation panels

Clamping frame Installation

Fig. 4.1

Threshold

Fig. 4.2