

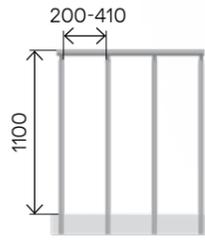
# TLC Standards



# 1. Standard balustrades

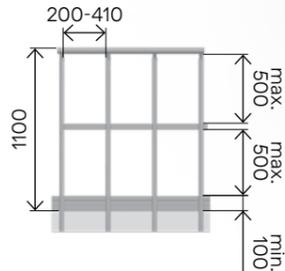
## INDUSTRIAL

- Rail posts made of square profile 30×30
- Handgrips made of pipe 42,4



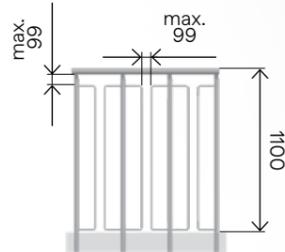
## INDUSTRIAL ACC. TO EN-ISO 14122

- Rail posts made of square profile 30×30
- Handgrips made of pipe 42,4
- Additional follower flat 40×3



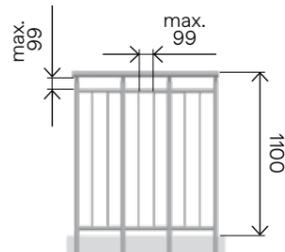
## CHILDREN-SAFE

- Rail posts made of square profile 30×30 + vertical round bars ø10mm
- Handgrips made of pipe 42,4



## PINNARÄCKE

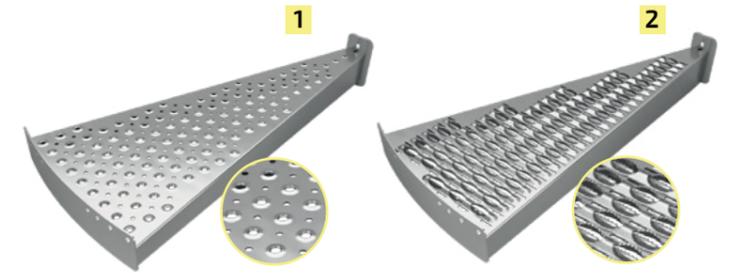
- Rail posts made of square profile 30×30
- Handgrips made of pipe 42,4
- Filling made of 2 pipes 21,3 and vertical round bars ø10



# 2. Steps types

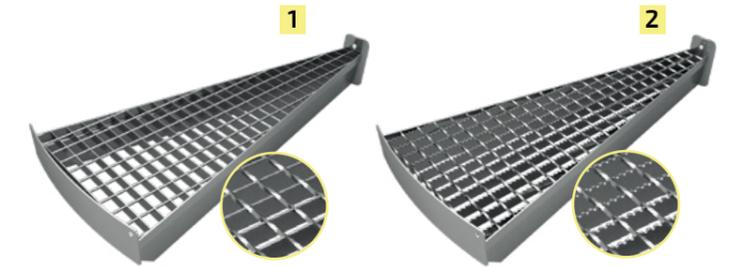
- 1 PLANK GRATING
- 2 SERRATED PLANK GRATING (TYPE USA)

- Hot dip galvanized
- Slip resistance DIN 51130: R12



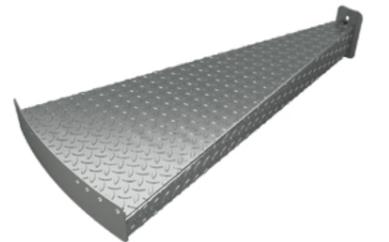
- 1 WELDED GRATING
- 2 SERRATED WELDED GRATING

- Mesh 34 × 38
- Hot dip galvanized
- Slip resistance DIN 51130: R10 (1), R11 (2)



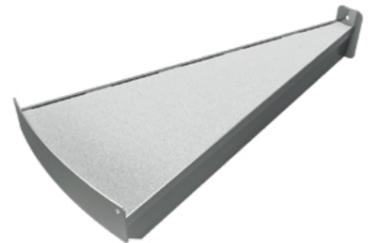
## CHECKER PLATE

- Hot dip galvanized
- Slip resistance DIN 51130: R10

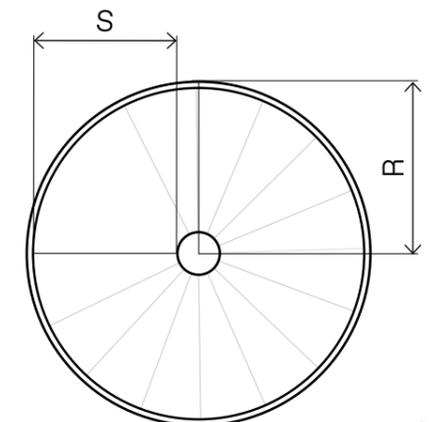


## PREPARED FOR FILLING WITH CARPET/TILES/KLINKER

- Hot dip galvanized
- Powder painted
- Slip resistance DIN 51130: R9



R	S	R	S
550	446	1050	946
600	496	1100	996
650	546	1150	1046
700	596	1200	1096
750	646	1250	1146
800	696	1300	1196
850	746	1350	1246
900	796	1400	1296
950	846	1450	1346
1000	896	1500	1396



S - flight width  
R - stairs radius

### 3. Cages & doors

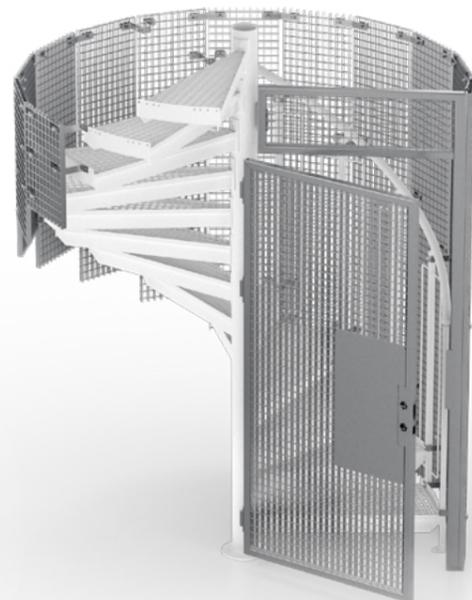
#### GRATING CAGE V1

Vertical panels following step heights, made of 34x38/25x2 attached to raipost using bracket made of bended flat steel.

Door frame and door leaf made of rectangular profiles, filled with grating.

Door frame anchored to the ground and to central column.

Possibility to walk under the stairs.

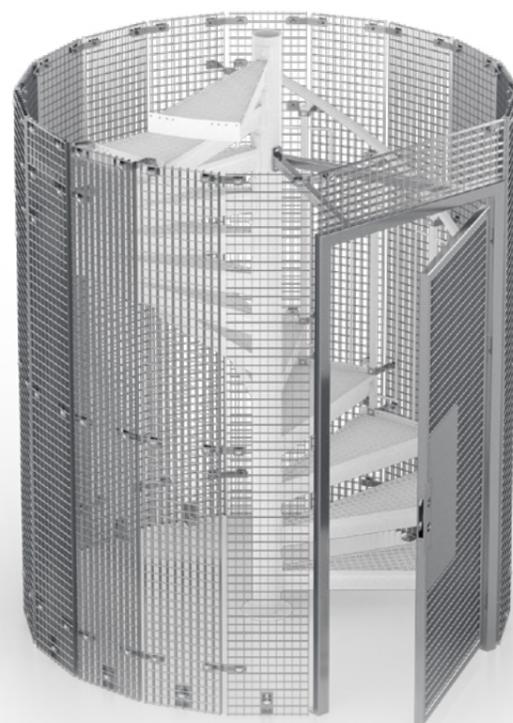


press welded  
grating

#### GRATING CAGE FULL/V2

Vertical panels of equal height, made of 34x38/25x2 attached to raipost using bracket made of bended flat steel. Door frame and door leaf made of rectangular profiles, filled with grating.

No possibility to walk under the stairs.



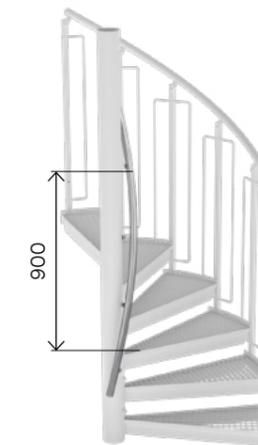
press welded  
grating

### 4. Additional handgrips

#### HANDGRIP ON CENTRAL COLUMN V1

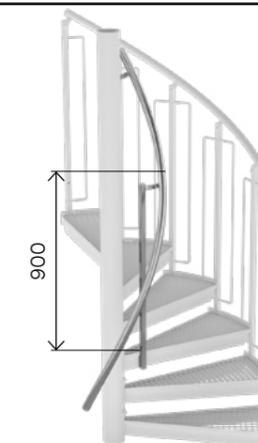
Handgrips made of circular pipe 42,4 attached to central columns using flat steel bended brackets.

Riv-nuts or threaded holes in central columns depending on its thickness.



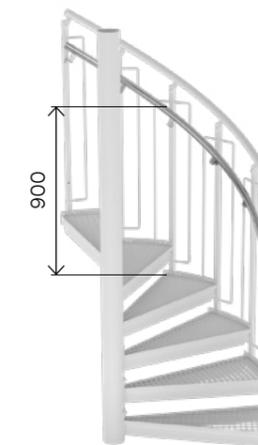
#### HANDGRIP ON CENTRAL COLUMN V2

Handgrips made of circular pipe 42,4. Fixed to steps using extra railpost made of square profile 30x30.



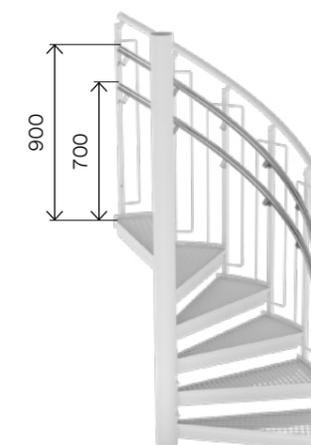
#### EXTRA HANDGRIP H=900

Handgrips made of circular pipe 42,4 attached to railpost using standard flat steel bended brackets.



#### EXTRA DOUBLE HANDGRIP (S) H=900 & H=700

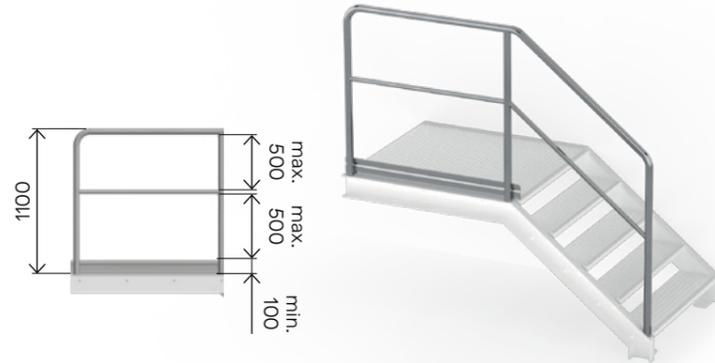
Handgrips made of circular pipe 42,4 attached to railpost using standard flat steel bended brackets.



# 1. Types of balustrade

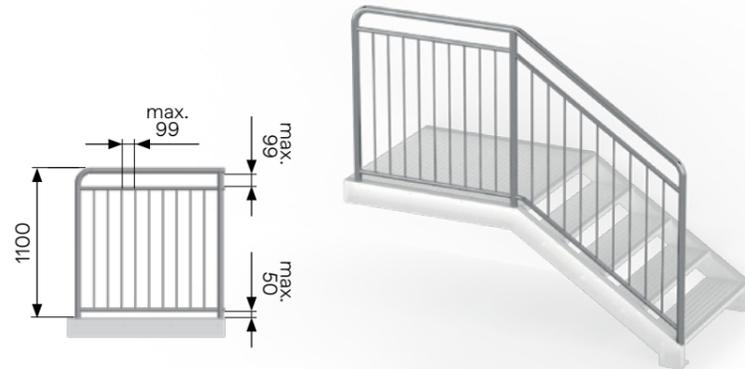
## INDUSTRIAL ACC. TO EN-ISO 14122

- Handgrip and railposts made of circular pipe  $\varnothing 42,4$
- Middle bar made of circular pipe  $\varnothing 26,9$
- Equipped with kickplate –
- 100 or 150 high, #1,5 or #2 thickness depending on width of railing



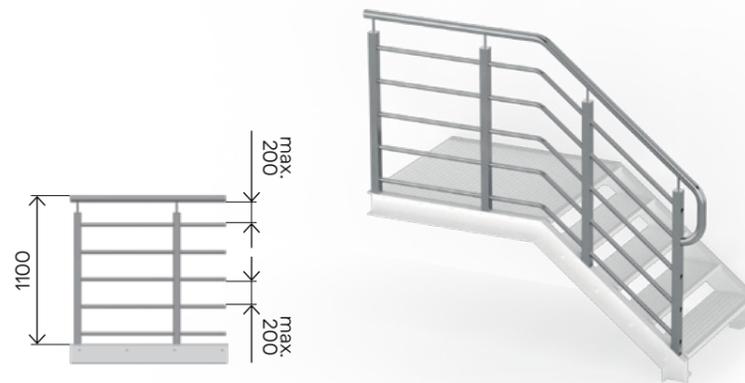
## CHILDREN-SAFE

- Handgrip made of circular pipe  $\varnothing 42,4$
- Railposts made of circular pipe  $\varnothing 42,4$
- Two followers made of circular pipe  $\varnothing 26,9$
- Filling of vertical round bars  $\varnothing 12$



## BALUSTRADE WITH HORIZONTAL FILLING

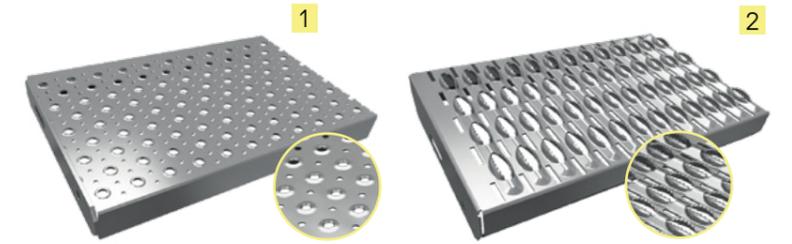
- Handgrip made of circular pipe  $\varnothing 48,3$
- Railposts made of square profile 50x50
- Filling of horizontal circular pipe  $\varnothing 25$



# 2. Steps types

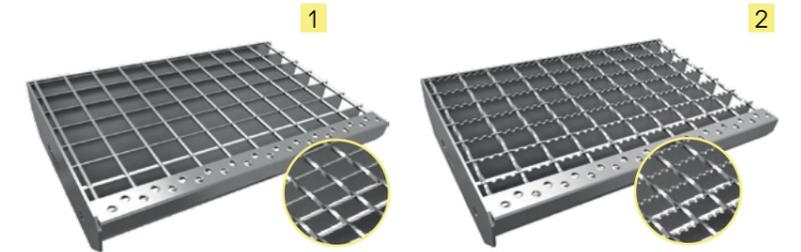
- 1 PLANK GRATING
- 2 SERRATED PLANK GRATING (TYPE USA)

- Hot dip galvanized
- Slip resistance DIN 51130: R12



- 1 WELDED GRATING
- 2 SERRATED WELDED GRATING

- Mesh 34 x 38
- Hot dip galvanized
- Slip resistance DIN 51130: R10 (1), R11(2)



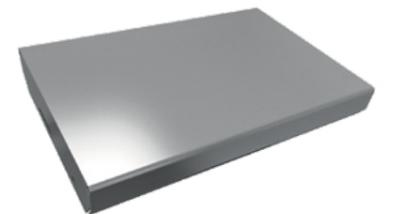
## CHECKER PLATE

- Hot dip galvanized
- Slip resistance DIN 51130: R10



## STEEL PLATE

- Hot dip galvanized
- Powder painted
- Slip resistance DIN 51130: R9



## TLC-GES TYPE PROFILED PLANK

- Hot dip galvanized
- Slip resistance DIN 51130: R9



## TWS / GRP GRATING



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