

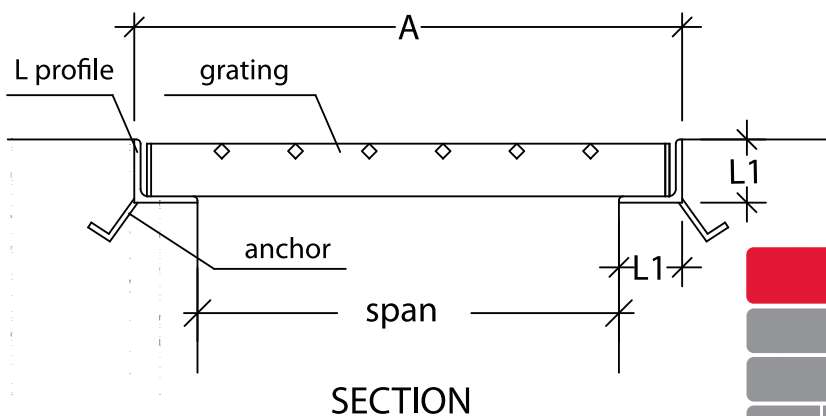
# HORIZONTAL APPLICATIONS

## [ Drains - Pits ]

### DESCRIPTION:

Drains or pits consisting of:

- Frame made of angle profile with connecting bars and anchors.
- All types of grating according to their use.



### TECHNICAL SPECIFICATION:

- Steel S235JR according to EN 10025
- Hot-dip galvanized acc. to ISO 1461 for protection against corrosion.

### APPLICATIONS

- For pedestrian use.
- For vehicles use. On roads, bridges, parking areas, national roads ( loads acc. to DIN 1072 ).



### STANDARD DIMENSIONS

#### PITS AND DRAINS

#### GRATINGS WITH FRAME

CODE	DIMENSIONS OF FRAME A x B		L1 mm	TOTAL Weight kg	LOAD USE	DIN 1072 CLASS
I 1	150	x	1010	30	6.7	General
K1	150	x	3010	25	19.6	General
I 19	200	x	1010	30	8.0	P
I 21/2	260	x	1010	25	10.4	P
I 21/3	260	x	1010	30	7.8	P
K 19	200	x	3010	30	22.9	P
K 21/2	260	x	3010	30	30.4	P
K 21/3	260	x	3010	30	22.7	P
I 21	260	x	1010	30	8.6	[3]
I 35	350	x	1010	30	12.0	[3]
K 21	260	x	3010	30	25.0	[3]
K 35	350	x	3010	30	35.2	[3]
I 20	215	x	1010	30	7.8	[12]
I 25	260	x	1010	35	11.7	[12]
K 20	215	x	3010	30	22.8	[12]
I 76	520	x	1020	60	54.4	[30]
Z 40	400	x	500	43	15.2	[30]

P : pedestrians  
[3] : 5 kN/wheel

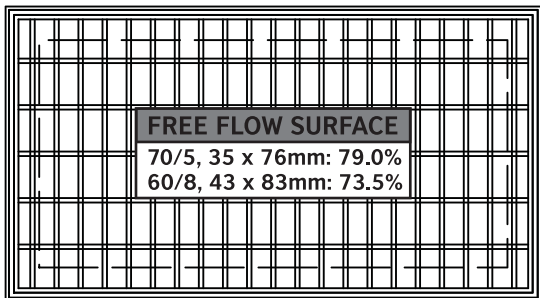
[12] : 10 kN/wheel  
[30] : 50 kN/wheel

# HORIZONTAL APPLICATIONS

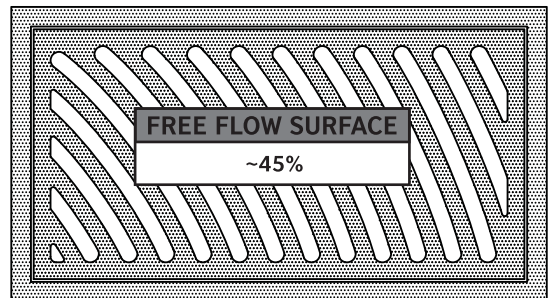


## STEEL AND CAST IRON GRATINGS COMPARISON

ASCO  
Product



Other  
Product



## ADVANTAGES OF ASCO GRATINGS

1. free surface flow bigger than 63~79%
2. even surface of access
3. vibration elasticity
4. branches and big objects withholding
5. better aesthetic because of galvanization
6. smaller weight (easy maintenance)
7. possibility of anti-theft protection

# HORIZONTAL APPLICATIONS

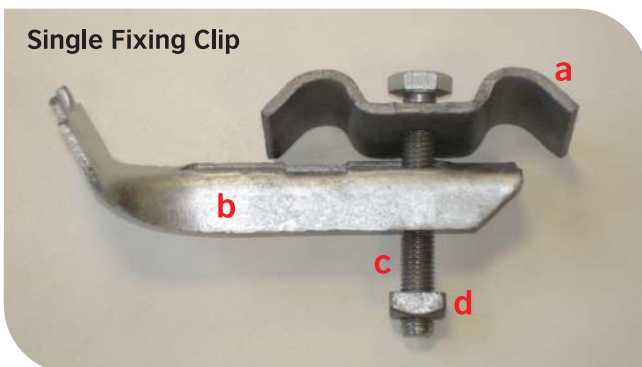
## Grating Fixings

### Technical specifications & Tolerances

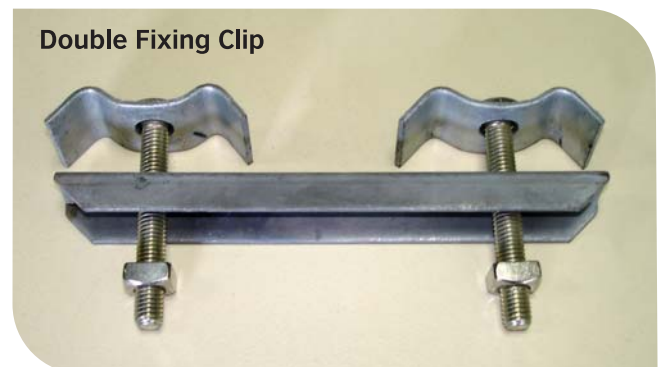
- Dimensions tolerances according to the international standards (e.g. DIN 10051 for bars thickness) and customers demand
- Specifications according to steel mill certificates.
- Gratings dimensions tolerances according to RAL GZ 638.
- Hot-dip galvanization according to ISO 1461 (BS729 or other specifications on customers demand).
- Vehicle loads according to DIN 1072.



Single Fixing Clip



Double Fixing Clip



### DESCRIPTION:

- a** Clip (upper part).
- b** Lower part .
- c** Screw M8.
- d** Square nut M8.