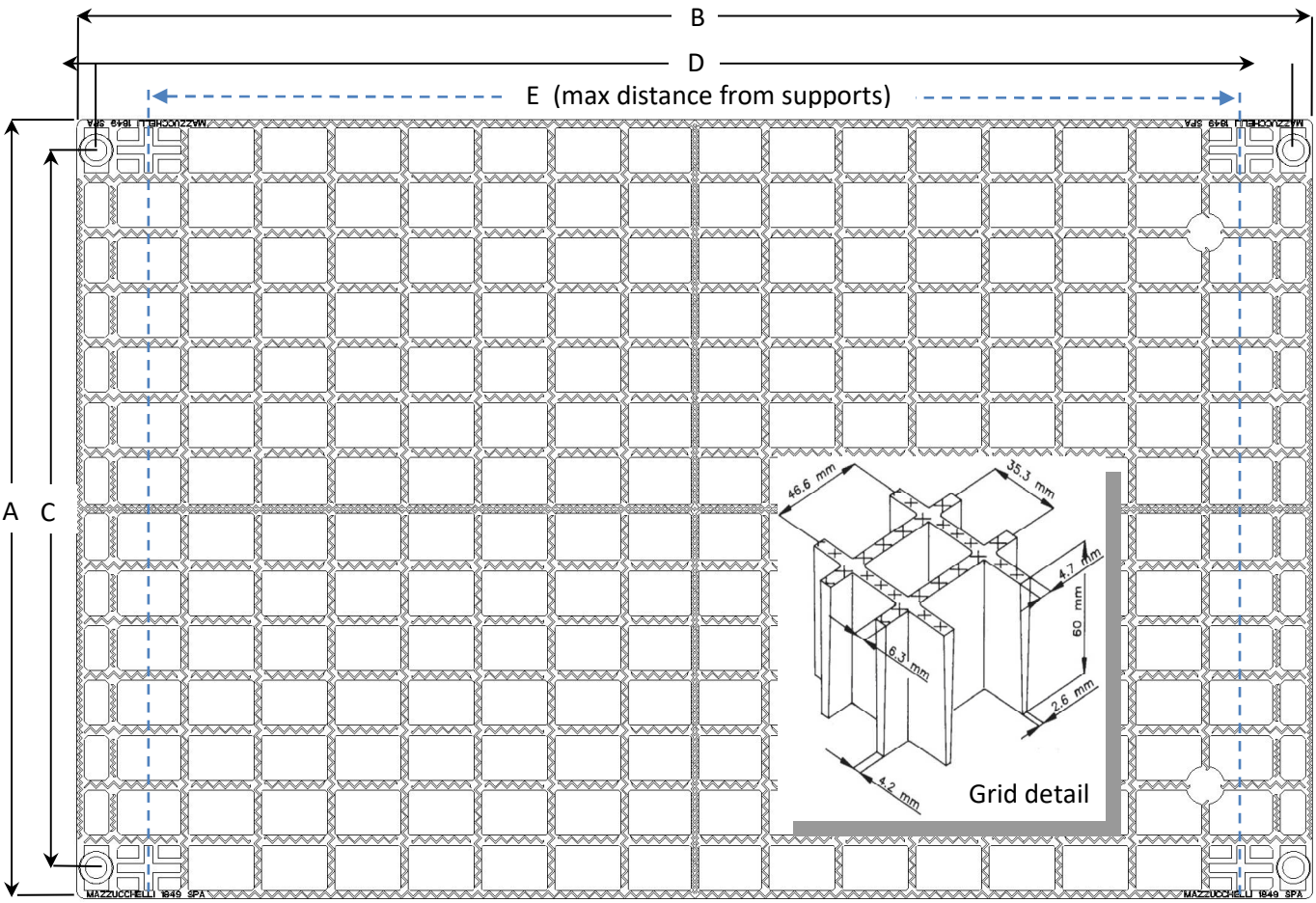
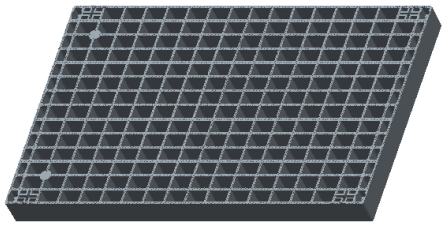
GRATINGS N3P

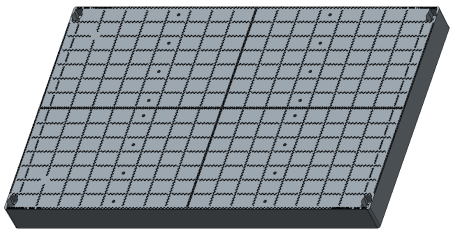
TP Reflex Group has been producing and selling from many years, a full family of Glass fiber reinforced polypropylen gratings, with excellent mechanical properties and great corrosion resistance.

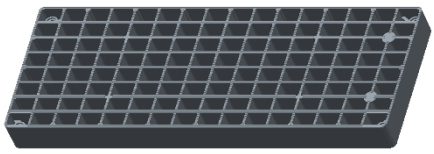
Gratings are greatly used in construction of walkways, service platforms, tunnel and canal floors, scrubbers, service scales, biofilter, etc..

GRATING LAYOUT AND DIMENSIONS









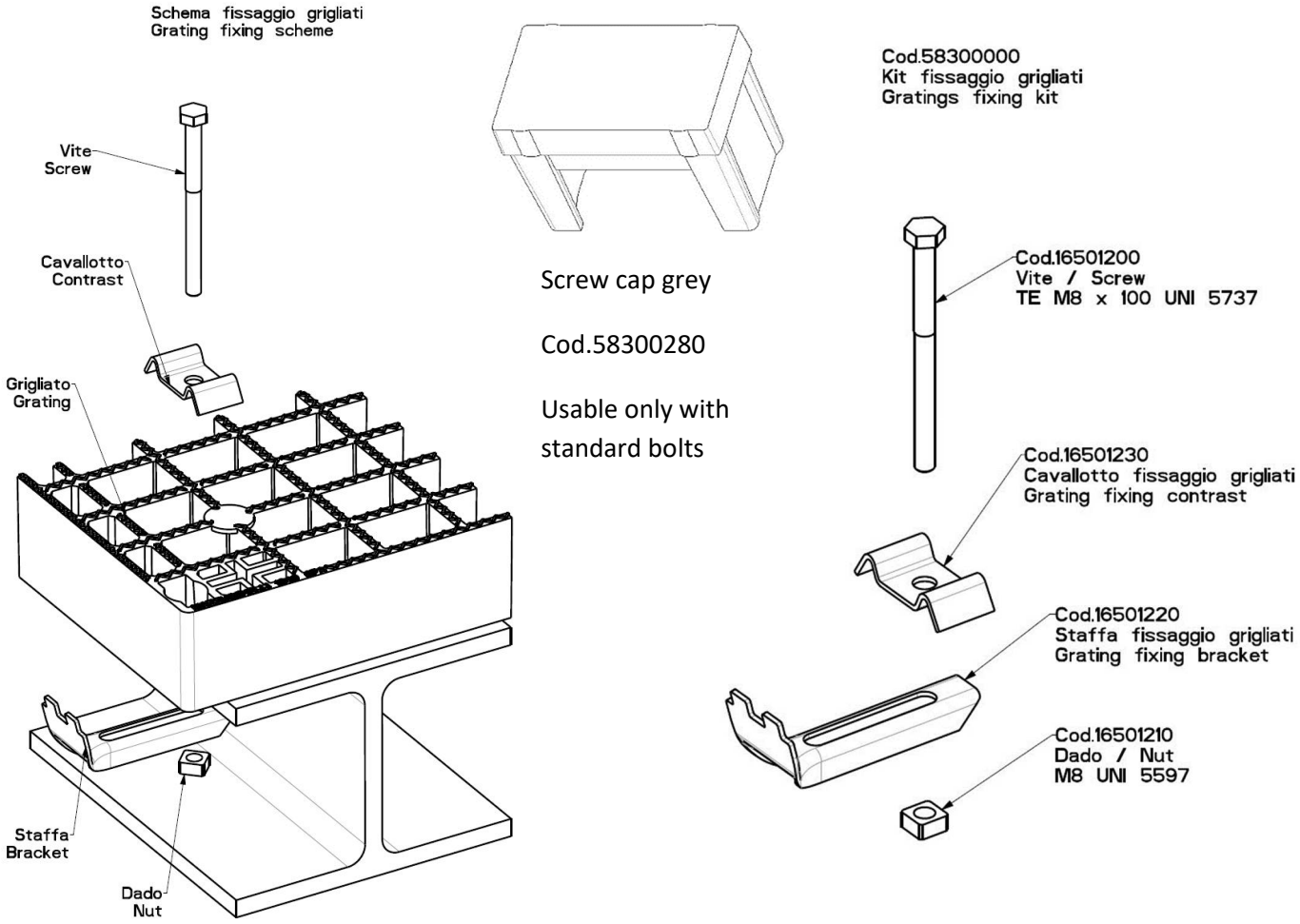
Grating N3P	Grating N3P-CH	Grating N3P-G step
✓ open top surface - open floor ✓ weight 5,4 Kg	✓ closed top surface – closed floor ✓ weight 6,9 kg	✓ open top surface ✓ weight 3 Kg

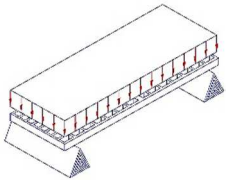
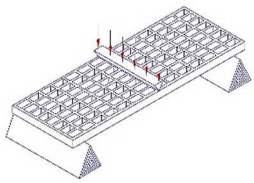
GRATING TYPE	A	B	C	D	E	HEIGHT
N3P	505 mm	800 mm	465 mm	775 mm	750 mm	60 mm
N3P - CH	508 mm	805 mm	465 mm	780 mm	750 mm	60 mm
N3P – G step	280 mm	752 mm	242 mm	714 mm	650 mm	60 mm

MAIN FEATURES

- Great corrosion resistance
- No maintenance needed
- Anti-slip design
- Low cost placement
- Easy to install, cut and shape on your need
- Light weight
- Self-structuring on each side
- Available in grey color

All gratings family could be placed with standard bolts or with special kit supplied by TP Reflex Group



LOAD DECLARATION				
Determination of load for deflection and max allowed load in agreement of normative DIN 24537-3 Distance from support= dimension "**E**" (shown in the drawing)	Distribuited Load 		Concentrated Load 	
	Max Load for given max deflection 1/200 or 1/100 of support distance			
	Max Deflection 1/200	Max Deflection 1/100	Max deflection 1/200	Max deflection 1/100
Load for Deflection	550 Kg/m^2	1300 Kg/m^2	300 Kg/m	700 Kg/m
Max load for a safety factor 0.2 – 1/5 of breakage load				
Max allowed load	1050 Kg/m^2		400 Kg/m	

- Declared characteristics are as referred to standard materials used at ambient temperatures; these data, even if not guaranteed, are obtained from representative tests performed on samples.
- In agreement of din 24537-3, further safety factor to be applied 0,75 for panel internal usage, 0,65 for external, 0,5 for aggressive conditions