

Operational Instructions

OI - 4.5 | Ironwork

Revision: C

Section: 4.0 - Infrastructure Stage 2

Visual Aids



FACTA Class	Comparison** EN124 Class	Wheel Loads		Load Test Data	
		Wheel Loads * (slow moving) Pneumatic	Wheel Loads * (slow moving) Solid	Test 1 (Service) (Static Wheel Load plus overload & dynamic effects)	Test 2 (Ultimate) (Test 1 load plus ultimate safety factor)
A 	A15	0.6 tonne (5kN)	N/A	5.0 x 1.0 x 1.0 = 5.0kN	5.0 x 1.6 = 8.0kN
AA 	N/A	1.5 tonne (15kN)	N/A	15.0 x 1.1 x 1.15 = 19.0kN	19.0 x 1.6 = 31.0kN
AAA 	N/A	2.5 tonne (25kN)	0.5 tonne	25.0 x 1.1 x 1.15 = 32.0kN	32.0 x 1.6 = 52.0kN
B 	B125	5.0 tonne (50kN)	0.75 tonne	50.0 x 1.1 x 1.15 = 63.25kN	63.25 x 1.6 = 101.0kN
C 	C250	6.5 tonne (65kN)	1.0 tonne	65.0 x 1.1 x 1.15 = 82.5kN	82.5 x 1.6 = 132.0kN
D 	D400	11.0 tonne (108kN)	3.0 tonne	108.0 x 1.1 x 1.15 = 137.5kN	137.5 x 1.6 = 220.0kN
E 	E600	16.0 tonne (158kN)	5.0 tonne	158.0 x 1.1 x 1.15 = 200.0kN	200.0 x 1.6 = 320.0kN
F 	F900	24.0 tonne (237kN)	N/A	237.0 x 1.1 x 1.15 = 300.0kN	300.0 x 1.6 = 480.0kN

Information

Task Specific Safety Checks & Notes	Operational Checks
● In the first instance, please ensure you have referred to your site-specific Risk Assessments & Method Statements (RAMS) ● Working areas are to be segregated in accordance with MIDA Operational Standard - 2.4 - Segregation - General Working Area or MIDA Operational Standard - 2.6 - Segregation - Public Working Area ○ Wherever we are operating within trafficked carriageways, we must be working under Chapter 8 regulations ● Ensure confined space equipment is used when entering manholes	● Inform the Local Authority to let them know we are starting works – they may want to inspect ● When raising and replacing ironwork at final surfacing stage, ensure any covers ordered as replacements are the same design as rest of site where possible ● Check Ironwork loadings required against table before ordering ● The site engineer is to check and set levels for ironwork – ensure cambers and crossfalls are considered ● Ensure ironwork is bed on M60 rapid set mortar – prevents vehicle damage ● Check that the lids are badged correctly – “Storm” or “Foul” ● Check that the gully specification is correct – are they “Heel-Guard” to pedestrianised areas? ● Paint manhole covers post tarmac ● Order flat gullies, dished gullies to only be used in channel situations
QA Checks & Actions	Operational Standard - References
● QMF 32 – Pre-Wearing Course Inspection ● Photograph the completed area and include in your photographic daily diary	● MIDA Operational Standard - 2.4 - Segregation - General Working Area ● MIDA Operational Standard - 2.6 - Segregation - Public Working Area