










Covers and Grates

Load Ratings for AS3996

| LOAD CLASSIFICATIONS OF COVERS AND GRATES | | | | | | | |
|---|---|---|---|---|--|---|---|
| AS3996:2006 – ACCESS COVERS, ROAD GRATES & FRAMES | | | | | | | |
| |  |  |  |  |  |  |  |
| RATING | CLASS A | CLASS B | CLASS C | CLASS D | CLASS E | CLASS F | CLASS G |
| TYPICAL USE | Areas (including footways) accessible only to pedestrians & pedal cyclists & closed to other traffic (extra light duty) | Areas (including footways & light tractor paths) accessible to vehicles (excluding commercial vehicles) or livestock (light duty) | Malls and areas open to slow moving commercial vehicles (medium duty) | Carriageways of roads & areas open to commercial vehicles (heavy duty) | General docks & aircraft pavements (extra heavy duty - E) | Docks & aircraft pavements subject to high wheel loads (extra heavy duty - F) | Docks & aircraft pavements subject to very high wheel loads (extra heavy duty - G) |
| NOMINAL WHEEL LOADING Kg | 330 | 2,670 | 5,000 | 8,000 | 13,700 | 20,000 | 30,000 |
| SERVICE-ABILITY DESIGN LOAD kN | 6.7 | 53 | 100 | 140 | 267 | 400 | 600 |
| ULTIMATE LIMIT STATE DESIGN LOAD kN | 10 | 80 | 150 | 210 | 400 | 600 | 900 |

Fieldtech Solutions' manufactured well covers are tested to Class D load ratings

A 140 kN service load is equivalent to 14.2 Tonne on the equivalent cover area.

A 210 kN Ultimate Design Load is equivalent to 21.4 tonne on the equivalent cover area.