



COMPONENTS COVERS: TECHNICAL INFORMATION

FEATURES

All Purpose Pumps access covers, grates and frames are designated by Classes A, B, D, E, F and G. The following table provides an overview of load classes, typical use and loading capability. The place of installation determines what class cover or grate is required. Selection of the appropriate cover or grate class is the responsibility of the designer, and where there is uncertainty the stronger class shall be selected.

AS3996:2006 - Access Covers, Road Grates and Frames.



30 YEARS INDUSTRY EXPERIENCE

LOAD CLASSIFICATIONS OF COVERS AND GRATES

RATING	CLASS A	CLASS B	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)	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	8,000	13,700	20,000	30,000
SERVICEABILITY DESIGN LOAD (kN)	6.7	53	140	267	400	600
ULTIMATE LIMIT STATE DESIGN LOAD (kN)	10	80	210	400	600	900

NOTES

1. Nominal wheel loads are given for guidance only. Consideration should be given to the type, size and pneumatic pressure of the load applied
2. The serviceability load is set at 2/3 of the ultimate limit state design load
3. A force of 1 kN is approximately equal to 100kg

