

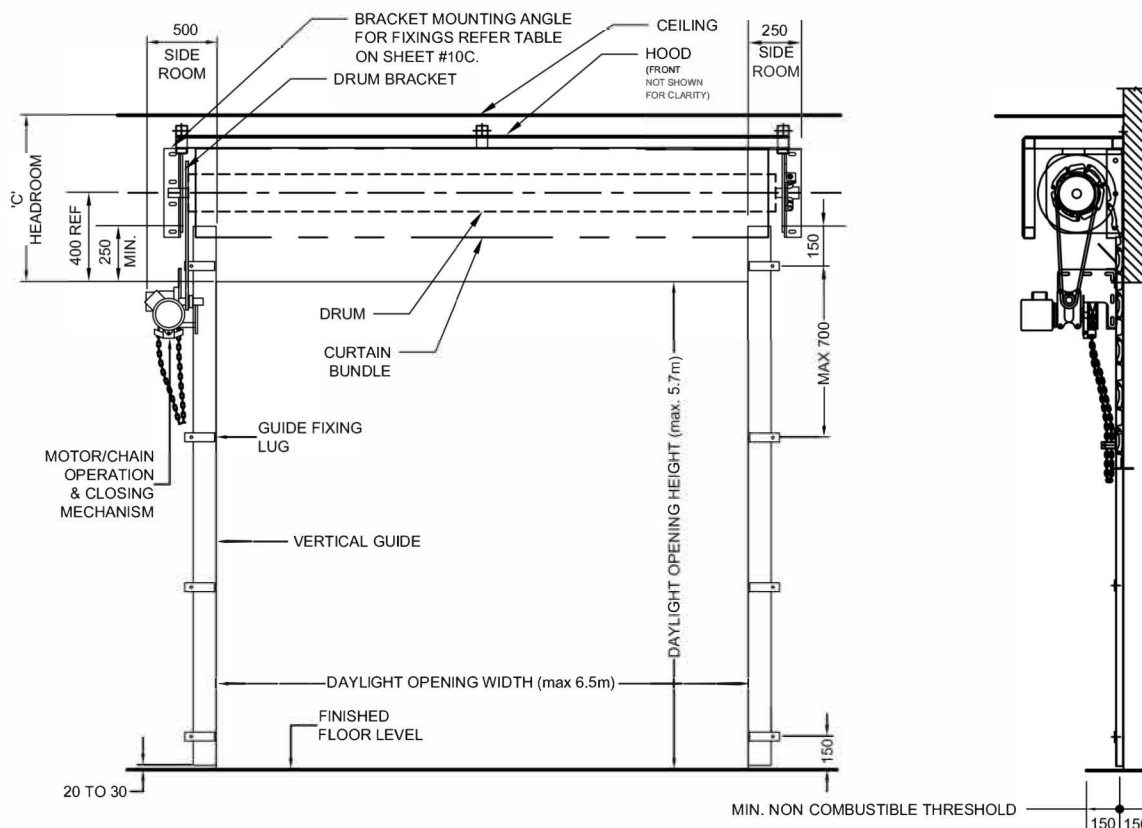
Fire Rated Steel Roller Shutters General Information & Arrangement

1. CSIRO Test Report FSV 0740, Certificate of Test #1041 and Letter of Opinion

In February 2000 CSIRO tested a Mirage Steel Fire Shutter 2.2m high by 2.4m wide (the maximum size shutter that could be fire tested) and issued a report FSV 0740 and Test Certificate #1041 that the shutter satisfied a Fire Resistance Level (FRL) of -/240/0.

Under AS 1905.2-2005 shutters larger than the test size are permitted if supported by a formal opinion from a registered testing authority, the latest of which is Jensen Hughes Assessment report FAS220294, which expires 31st May 2030. This opinion included for the first time the mandatory use of hoods and drum support frames for large shutters.

2. General Arrangement



Please Note: This Fire Shutter is designed for use in walls and other elements of construction required to provide fire resistance. Reference should be made to the requirements of Building Code of Australia and materials tested to AS1530. This Fire Shutter should be installed in conjunction with the requirements of AS1905.2 and Jensen Hughes Assessment report FAS220294, which expires 31st May 2030.

Drum Size Refer Sheet #10C (mm)	(Hood Only)		(Hood with Drum Support Frame)	
	Recommended Headroom Dim 'C'	Minimum Headroom Dim 'C'	Recommended Headroom Dim 'C'	Minimum Headroom Dim 'C'
Ø168	1000	700	1300	750
Ø219	1025	725	1300	750
Ø273	1050	750	1450	850

3. Fire Resistance Level and Drenching Option

As stated above the Fire Shutter has a maximum FRL of -/240/0. This data sheet and Technical Data Sheet 10C (Technical Data Sheet 10B is common to all fire shutters) specify fire shutter details that are required for that maximum rating.

The Jensen Hughes report does include specifications for shutters with FRL of -/120/0 but these shutters will only be supplied when shutter height exceeds 5.7m. Request for these shutters should be referred to Engineering for confirmation of specifications

4. Descent Mechanism Options:

Standard: Fusible Link & Magnet:

Fusible link will break when temperature gets above 71 degrees C and door will close automatically.

Magnet is activated when a smoke detector registers smoke and sends signal to Fire Board (FIB) then FIB terminates a continuous 24V DC power to magnet and magnet releases a clutch connection which will cause door to close automatically (all wiring from FIB to magnet is carried out by others). Clutch must be reengaged before door can be operated again.

NB: This data sheet should be read in conjunction with Technical Data Sheets 10B & 10C to obtain the full specifications of the Mirage Fire Shutter. Reference can also be made to AS 1905.4 – 2005 'Components for the protection of openings in fire-resistant walls. Part 2: Fire-resistant Roller Shutters.

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