



BAYS	1753mm WIDTH	SYSTEM LENGTH	EFFECTIVE LENGTH	PAD LENGTH	MAX DESIGN SPEED	NO. OF CARTRIDGES	
**	MODEL #	6.71m	6.30m	6.40m	100 km/h	TYPE I	TYPE II
6	QM10069 (627515)					4	3

- NOTES:
- IN COMPLIANCE WITH THE AASHTO 2011 ROADSIDE DESIGN GUIDE, MANUFACTURER RECOMMENDS REMOVAL OF ALL CURBS AND ISLANDS TO ENSURE PROPER IMPACT PERFORMANCE.
  - PROVISION SHALL BE MADE FOR REAR FENDER PANELS TO SLIDE REARWARD UPON IMPACT 762mm MIN.
  - 150mm MIN. REINFORCED 28 MPa P.C. CONCRETE PAD WITH ANCHOR BLOCK OR 200mm MIN. NON-REINFORCED 28 MPa P.C. CONCRETE ROADWAY, MEASURING AT LEAST 3.66 m WIDE BY 15.24 m LONG. ANCHOR BLOCK IS NOT REQUIRED WHEN USING 200mm CONCRETE PAD INSTALLED AGAINST AN IMMOVABLE STRUCTURE SUCH AS A CONCRETE WALL OR ABUTMENT.
  - SEE THE "QUADGUARD M WIDE SYSTEM PRODUCT MANUAL" FOR A DESCRIPTION OF ITS IMPACT PERFORMANCE CHARACTERISTICS AND DESIGN LIMITATIONS BEFORE PLACING A SYSTEM AT A GIVEN SITE. FOR INFORMATION AND COPIES OF ABOVE MANUAL PLEASE CONTACT YOUR INGAL CIVIL REPRESENTATIVE.

- WHERE NECESSARY, THE CUSTOMER SHALL SUPPLY AN ADEQUATE TRANSITION FROM THE QUADGUARD M WIDE SYSTEM TO THE OBJECT BEING SHIELDED.
- THE QUADGUARD M WIDE SYSTEM HAS BEEN TESTED TO MASH TEST LEVEL 3.
- THE TRANSITION PANEL SHALL BE ANGLED SUCH THAT MAXIMUM GAP FROM FENDER PANEL OVERLAP DOES NOT EXCEED 25mm. ANGLE TO BE 5° MAXIMUM WITH RESPECT TO THE SIDE OF THE SYSTEM. FINAL ALIGNMENT TO BE DETERMINED BY PROJECT ENGINEER.

KEY	
① CARTRIDGE	⑦ TRANSITION
② DIAPHRAGM	8
③ FENDER PANEL	9
④ MONORAIL	10
⑤ NOSE ASSEMBLY	11
⑥ BACKUP	12

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
1	22/09/2021	I-BEAM POSTS REPLACED BY C-POSTS	VB	PP	PP

DRAWING NUMBER	REFERENCE DRAWINGS

INGAL CIVIL PRODUCTS  
A valmont COMPANY

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PROJECT	TITLE
QUADGUARD M WIDE SYSTEM	TRANSITION TO EZY-GUARD 4

INGAL CIVIL PRODUCTS PART No.	DRAWING No.
	QUAD-STD-001