





		Premier Steel Rebars	
		12mm	16mm
PRODUCT NAME		2010150 - PREMIER STEEL REBAR D500E 6MX12MM	2010160 - PREMIER STEEL REBAR 500E D/FMD 16HTX6M (16MM)
PRODUCT DESCRIPTION		The Steel Rebar D500E is a specific deformed reinforcement bar with a yield strength of 500 MPa 12mm in diameter and supplied in lengths of 6.0 meters. The D500E grade indicates the composition and strength of the steel rebar, with D representing the ductility and E representing the elongation of the steel. It is an essential component in reinforced concrete construction and contributes to the overall strength and durability of the concrete structure.	The STEEL REBAR 500E D/FMD 16HTX6M is a high-quality reinforcement bar commonly used in construction projects. Suitable for various applications such as building foundations, beams, columns, and slabs. The "D/FMD" in the description stands for "Deformed/Fully-Martensitic-Ductile", indicating that the rebar has a deformed surface to enhance bonding with concrete and a fully martensitic microstructure for increased strength. This design ensures reliable performance and resistance to bending and twisting forces.
PRODUCT USAGE		The Steel Rebar D500E is commonly used to provide reinforcing in (1) cast in situ concrete constructions such as foundations where it may be bent into the shapes required, cast in situ columns, beams, and constructions of a similar nature where it may be tied together to form steel cages, and cast in situ floor systems including slab on grade or in suspended floor systems. (2) reinforcing for concrete masonry, ICF, AAC and similar wall systems. (3) Reinforcing for pre-cast concrete panels and other precast constructions.	The STEEL REBAR 500E D/FMD 16HTX6M is used where the increased strength requirements are required for cast in situ and pre-cast concrete work.
BRAND AND LOGO			
QR CODE		N/A	N/A
MANUFACTURE DETAIL	LEGAL NAME ADDRESS WEBSITE EMAIL NZBN#	JINGYE IRON AND STEEL CO., LTD NANDIAN TOWN, PINGSHAN COUNTY, SHUIJIAHUANG, CHINA WWW.JINGYESTEEL.COM.CN sales@jingyesteel.com.cn doris@jingyesteel.com.cn	JINGYE IRON AND STEEL CO., LTD NANDIAN TOWN, PINGSHAN COUNTY, SHUIJIAHUANG, CHINA WWW.JINGYESTEEL.COM.CN sales@jingyesteel.com.cn doris@jingyesteel.com.cn
IMPORTER DETAIL	LEGAL NAME ADDRESS WEBSITE EMAIL NZBN#	Premier Building Products Limited 17A Gabador Place, Mt. Wellington, Auckland, New Zealand www.premierbuildingproducts.co.nz sales@premierbuildingproducts.co.nz 9429047462977	Premier Building Products Limited 17A Gabador Place, Mt. Wellington, Auckland, New Zealand www.premierbuildingproducts.co.nz sales@premierbuildingproducts.co.nz 9429047462977
RELEVANT NZ STANDARD	AS/NZS: All PDF files are available to be downloaded from www.premierbuildingproducts.co.nz/downloads	AS/NZS 4671:2019  ACRS CERTIFICATE FOR STEEL REBAR.pdf	AS/NZS 4671:2019  ACRS CERTIFICATE FOR STEEL REBAR.pdf
TECHNICAL DESCRIPTION		The Steel Rebar D500E is a specific deformed reinforcement bar with a yield strength of 500 MPa 12mm in diameter and supplied in lengths of 6.0 meters.	STEEL REBAR 500E D/FMD 16HTX6M is a specific deformed reinforcement bar with a yield strength of 500 MPa 12mm in diameter and supplied in lengths of 6.0 meters.
PRODUCT LIMITATION		Steel Rebar D500E shall be used in cast in situ or pre-cast concrete work, either SED or in compliance with NZBC listed standards, designed to NZS3109:1997 and used with concrete meeting the standards of NZS 3104.	STEEL REBAR 500E D/FMD 16HTX6M shall be used in cast in situ or pre-cast concrete work, either SED or in compliance with NZBC listed standards, designed to NZS3109:1997 and used with concrete meeting the standards of NZS 3104.
PRODUCT DESIGN	EG. GS1	Use of Steel Rebar D500E shall be in accordance with NZS 3109:1997	Use of STEEL REBAR 500E D/FMD 16HTX6M shall be in accordance with NZS 3109:1997
MANUAL	TECHNICAL DATA MANUAL All PDF files are available to be downloaded from www.premierbuildingproducts.co.nz/downloads	 Mill Test certificate 12mm - Jinyei.pdf (C)	 MILL TEST - 23 MARCH 2023 REBAR.pdf
MAINTAINANCE		The Steel Rebar D500E will not normally require maintenance. However, if damage occurs to the cover concrete, such as the cover is reduced, then repairs must be carried out to ensure the integrity of the structure.	The STEEL REBAR 500E D/FMD 16HTX6M will not normally require maintenance. However, if damage occurs to the cover concrete, such as the cover is reduced, then repairs must be carried out to ensure the integrity of the structure.
RELEVANT BUILDING CODE CLAUSES	SECTION 26 BUILDING ACT 2004	Complies with the New Zealand Building Code: 1: B1.3.1, B1.3.2, B1.3.3 - Structure 2: B2.3.1(a) - Durability 3: F2.3.1 - Hazardous Materials	Complies with the New Zealand Building Code: 1: B1.3.1, B1.3.2, B1.3.3 - Structure 2: B2.3.1(a) - Durability 3: F2.3.1 - Hazardous Materials
STATEMENT ON HOW THE BUILDING PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE		1: B1.3.1, B1.3.2, B1.3.3 - Steel Rebar D500E when used in SED or in compliance with NZBC listed standards designed to NZS3109:1997 and used with concrete meeting the standards of NZS 3104 will comply with B1.3.1, B1.3.2, B1.3.3 2: B2.3.1(a) - Steel Rebar D500E when encased in concrete meeting the standards of NZS 3104 will achieve 50 years durability. 3: F2.3.1 - Steel Rebar D500E when encased in concrete meeting the standards of NZS 3104 is non hazardous.	1: B1.3.1, B1.3.2, B1.3.3 - STEEL REBAR 500E D/FMD 16HTX6M when used in SED or in compliance with NZBC listed standards designed to NZS3109:1997 and used with concrete meeting the standards of NZS 3104 will comply with B1.3.1, B1.3.2, B1.3.3 2: B2.3.1(a) - STEEL REBAR 500E D/FMD 16HTX6M when encased in concrete meeting the standards of NZS 3104 will achieve 50 years durability. 3: F2.3.1 - STEEL REBAR 500E D/FMD 16HTX6M when encased in concrete meeting the standards of NZS 3104 is non hazardous.

All related files can be downloaded under the same folder [Premier Steel Rebar]