

HEDA TOUGH WALL SYSTEM

DESCRIPTION

The HEDA Tough Wall System from Studco is your premium solution for maximising wall frame design and reducing labour in medium and high-rise construction. The HEDA System offers a fast and easy way of creating openings in walls in both internal and external applications.

Traditionally, wall openings have required two or three studs at each side of the jamb and a series of studs and track to act as a lintel. Whilst this method remains highly popular, the new HEDA system from Studco uses fewer sections and fewer connections, thereby greatly decreasing construction time and simplifying the construction process.

APPLICATION

HEDA sections can be used as lightweight steel lintels, heavy duty jamb studs and extra-tough wall studs in extreme walls.



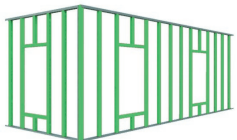
EXTERNAL OPENINGS

Use HEDA system for lintels, headers, sills and jambs in external openings for windows and doors.



INTERNAL OPENINGS

Replace boxed studs with one HEDA section in doorways and large openings.

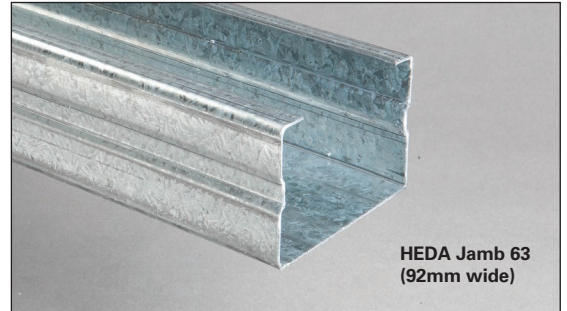


EXTREME WALLS

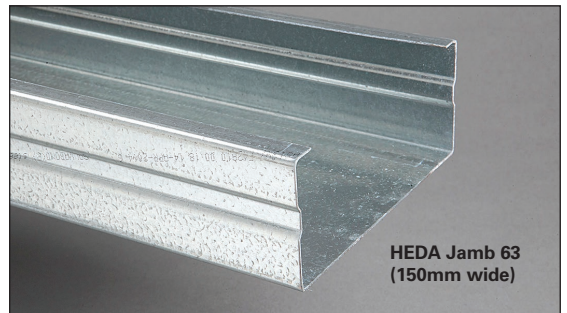
Extreme heights, extreme loads and extreme performance... no problems for HEDA.

FEATURES

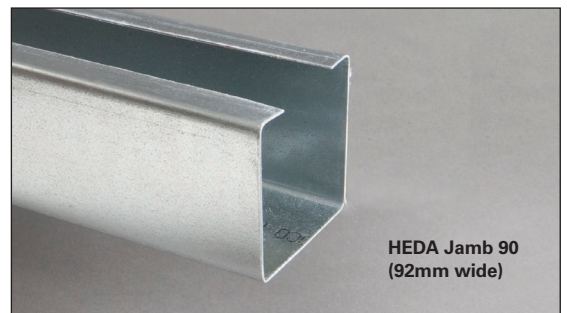
- Offers a fast and easy way of creating openings in walls in both internal and external applications.
- New profile provides enhanced rigidity.



HEDA Jamb 63
(92mm wide)



HEDA Jamb 63
(150mm wide)



HEDA Jamb 90
(92mm wide)



BENEFITS

TIME SAVING

- No need for boxed studs at internal opening or doorways.
- No need for boxed or back-to-back studs in wall designs.
- No need for complex lintel arrangements.

COST SAVING

- Replace some structural sections with HEDA Jamb.
- Fewer noggins required in HEDA Jamb walls.
- Achieve huge spans not possible with conventional studs.

HEDA JAMB



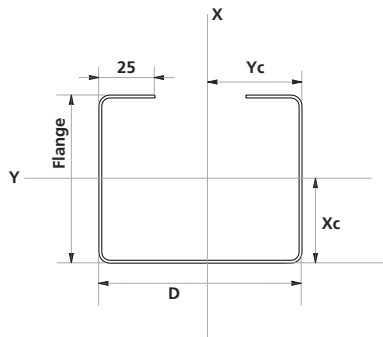
SPECIFICATIONS/TECHNICAL DATA

The HEDA System has been fully engineered to meet BCA requirements and Australian Standards, ensuring you of code compliance whenever you use Studco's HEDA System.

HEDA Jamb90

FULL SECTION PROPERTIES - HEDA

Part No.	BMT mm	Area mm ²	Ixx 10 ³ mm ⁴	Iyy 10 ³ mm ⁴	Zxx 10 ³ mm ³	Zyy 10 ³ mm ³	rx mm ²	ry mm	Iw 10 ⁶ mm ⁶	J mm ³
HJ9289155 [†]	1.55	479.69	730.1	553.5	15.7	12.03	39.014	33.968	1280	384.15



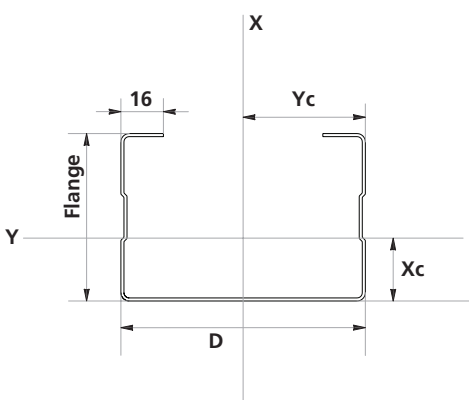
SECTION DIMENSIONS - HEDA

Part No.	D	Flange	Lips	BMT	Xc	Yc
HJ9289155 [†]	92	89.9	25.4	1.55	41.33	46.0

HEDA Jamb63

FULL SECTION PROPERTIES - HEDA

Part No.	BMT mm	Area mm ²	Ixx 10 ³ mm ⁴	Iyy 10 ³ mm ⁴	Zxx 10 ³ mm ³	Zyy 10 ³ mm ³	rx mm ²	ry mm	Iw 10 ⁶ mm ⁶	J mm ³
HJ9263150*	1.5	367	538.9	207.7	11.9	5.41	38.31	23.78	419.6	275
HJ15063150*	1.5	454	1637.7	244.6	22.05	5.72	60.05	23.21	1131.9	341
HJ15063115 [†]	1.15	350	1268.2	192	17.04	4.46	60.21	23.43	889.5	154



SECTION DIMENSIONS - HEDA

Part No.	D	Flange	Lips	BMT	Xc	Yc
HJ9263150*	92	63	16	1.50	23.65	46
HJ15063150*	150	63	16	1.50	19.27	75
HJ15063115 [†]	150	63	16	1.15	19.34	75

Notes:

1. Section properties are approximate only and may be subject to revision.
2. Section properties tabulated are gross section properties.
3. The strength and serviceability section capacities are based on effective section properties calculated in accordance with AS 4600 "Cold Formed Steel Structures Code".
4. *Steel Grade G450. †Steel Grade G300. Jamb90 Steel Grade G300.



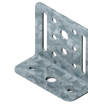
INSTALLATION NOTES

The HEDA Jamb section can be used for both opening jambs (vertical members) and the lintels and sills (horizontal members) and it eliminates the need for using multiple studs and stud/track combinations.

To connect the HEDA Jamb to adjoining members, a new bracket is used, known as the HEDAConnector. This versatile bracket is suitable for all connections required around the openings, eliminating the need for ordering different brackets for different connections.



RELATED PRODUCTS/COMPONENTS



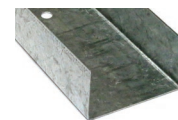
Studco M104 HEDA connector



Studco 92mm x 1.15 BMT stud



Studco RapidTrack slotted deflection track

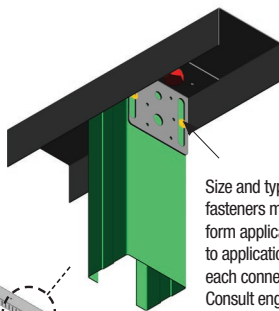


Studco Deflection track 92mm x 1.15 BMT



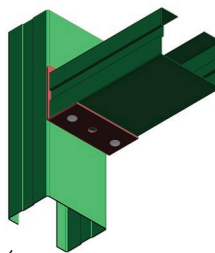
Studco track 92mm x 1.15 BMT

Fig. 1 Jamb Stud To Deflection Track Connection



Size and type of fasteners may vary form application to application for each connection. Consult engineer for specific fastener requirements prior to insallation.

Fig. 2 Jamb Stud To Lintel/Sill Connection

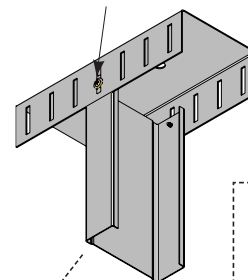


Fix studs through slots to allow for building movement (deflection).

CONSULT STUDCO FOR WALL DESIGNS & SPECIFICATIONS

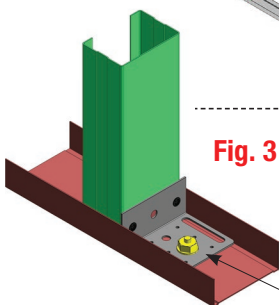
** HEDA Jamb63 setions shown in green for illustrative purposes only.*

Fig. 4 Wall Stud To Slotted Deflection Track Connection (Using std stud as wall stud)



Always ensure tightness of screw is sufficient to allow for deflection if needed.

Fig. 3 Jamb Stud To Bottom Track Connection



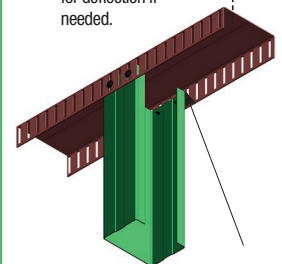
Use HEDA connector (Studco M104) for connection of HEDA Jamb sections. Observe fastener requirements at all times.

Use Studco 92mm x 1.15BMT steel studs for intermediate wall studs. Consult engineer for spans and spacing.

Use noggings as specified by engineer, where applicable.

Use Studco 92mm x 1.15BMT track at bottom.

Fig. 5 Wall Stud To Slotted Deflection Track Connection (Using HEDA Jamb as wall stud)



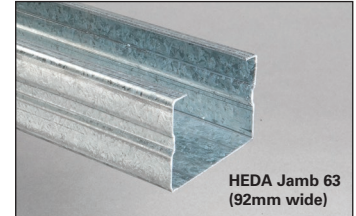
Allow a 20mm minimum gap between wall studs or jamb studs on top track.

HEDA TOUGH WALL SYSTEM

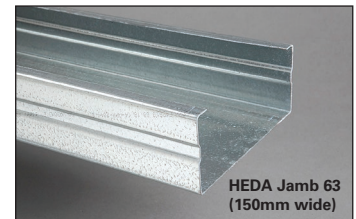


ORDERING INFORMATION

Part No.	HEDA JAMB63 (92mm wide)	Length mm.	Sub pack	Stock pack	Approx kg/pce
Header Jamb Sections - heavy duty jamb and lintel system.					
HJ9263150	Heda Jamb63 92 x 63mm x 16 x 1.50 BMT	2850	10	100	8.36
HJ9263150-30	Heda Jamb63 92 x 63mm x 16 x 1.50 BMT	3000	10	100	8.80
HJ9263150-36	Heda Jamb63 92 x 63mm x 16 x 1.50 BMT	3600	10	100	10.55
HJ9263150-48	Heda Jamb63 92 x 63mm x 16 x 1.50 BMT	4800	10	100	14.07



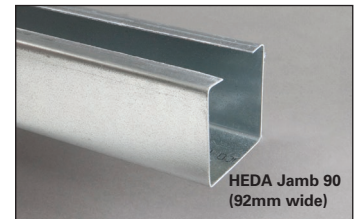
Part No.	HEDA JAMB63 (150mm - 1.50 BMT)	Length mm.	Sub pack	Stock pack	Approx kg/pce
Header Jamb Sections - heavy duty jamb and lintel system.					
HJ15063150#	Heda Jamb63 150 x 63mm x 16 x 1.50 BMT	3000	-	-	10.84



Part No.	HEDA JAMB63 (150mm - 1.15 BMT)	Length mm.	Sub pack	Stock pack	Approx kg/pce
Header Jamb Sections - heavy duty jamb and lintel system.					
HJ15063115#	Heda Jamb63 150 x 63mm x 16 x 1.15 BMT	3000	-	-	8.38

Custom length HEDA Jamb63 available rolled to order. Lead times may apply.

Part No.	HEDA JAMB90	Length mm.	Sub pack	Stock pack	Approx kg/pce
Header Jamb Sections - heavy duty jamb and lintel system.					
HJ9289155-285	Heda Jamb90 92 x 89mm x 25 x 1.55 BMT	2850	10	100	9.43
HJ9289155-36	Heda Jamb90 92 x 89mm x 25 x 1.55 BMT	3600	10	100	11.92
HJ9289155-48	Heda Jamb90 92 x 89mm x 25 x 1.55 BMT	4800	10	100	15.89



Part No.	HEDA BRACKET	Length mm.	Sub pack	Stock pack	Approx kg/pce
Heavy duty structural wall brace for free standing walls.					
M104	Slotted Heda Connector		50	50	0.15



WARRANTY

This product is covered by a guarantee. Conditions and limitations of guarantees and warranties are set out in Studco Project Guarantee certificate.



FURTHER ASSISTANCE

Contact the technical engineering team at Studco Technical Services for assistance with specifications, product selection, acoustic engineering and structural engineering enquiries. Telephone 1800 STUDCO (1800 788 326) or email techadvice@studcosystems.com.au



ACCREDITATION/CERTIFICATION

