



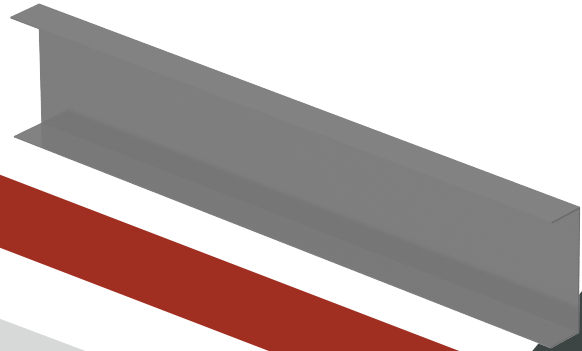
ISO 9001:2015
No.: 92200062



ISO 14001:2015
No.: 142200063



ISO 45001:2018
No.: 452200064



DESCRIPTION

Gframe™ Main Channel - C38 is manufactured, and roll formed in 3m strips with varying widths and gauges.

STANDARD

Gframe™ profiles are manufactured in accordance with ASTM C645 and A653/A653M-20. Installation and storage in accordance to ASTM C1007 & C 754.

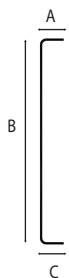
MATERIAL PROPERTIES

Yield Strength (Fy): 33 KSI
Zinc Coating: G60 - 90

AVAILABLE THICKNESSES

0.45mm | 0.55mm | 0.6mm | 0.7mm | 0.8mm
| 0.9mm | 1.00mm | 1.2mm | 1.5mm

TECHNICAL SPECIFICATIONS



SIZE	MAIN CHANNEL			MATERIAL THICKNESS (mm)	LENGTH (mm)	ZINC COATING
	A	B	C			
38	12	38	12	0.45 – 1.5 mm	3000	G60 - 90

MATERIAL PROPERTIES

TYPE	THICKNESS (mm)	FLANGE CHANNEL (mm)	WEB DEPTH (mm)	SECTION AREA (mm ²)	CENTROID (mm)	MOMENT OF INERTIA (I _{xx}) (mm ⁴)	SECTION MODULUS (S _X) (mm ³)	STEEL MECHANICAL PROPERTIES		
								YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION (%)
Primary or Carrying Channels	0.45	12/12	38	29.0	19	6,505.33	342.39	297-308	366-372	29-30
	0.50	12/12		31.9	19	7,143.56	375.97	297-308	366-372	29-30
	0.55	12/12		34.8	19	7,779.57	409.45	297-308	366-372	29-30
	0.60	12/12		40.6	19	9,044.97	476.05	297-308	366-372	30-31
	0.70	12/12		46.4	19	10,301.60	542.19	297-308	366-372	30-31
	0.80	12/12		52.2	19	11,549.50	607.87	297-308	366-372	30-31
	0.90	12/12		58.0	19	12,788.67	673.08	297-308	366-372	30-31
	1.20	12/12		69.6	19	15,241.18	802.16	297-308	366-372	30-31
	1.50	12/12		87.0	19	18,856.00	992.42	297-308	366-372	29-30
	0.50	15/15	60	45.0	30	22,276.25	742.54	297-308	366-372	29-30
	0.55	15/15		49.5	30	24,479.40	815.96	297-308	366-372	29-30
	0.60	15/15		54.0	30	26,678.16	889.27	297-308	366-372	30-31
	0.70	15/15		63.0	30	31,062.00	1,035.41	297-308	366-372	30-31
	0.80	15/15		72.0	30	35,429.12	1,180.97	297-308	366-372	30-31
	0.90	15/15		81.0	30	39,778.30	1,325.95	297-308	366-372	30-31
	1.00	15/15		90.0	30	44,110.00	1,470.35	297-308	366-372	30-31
	1.20	15/15		108.0	30	52,721.30	1,757.38	297-308	366-372	30-31
	1.50	15/15		135.0	30	65,508.75	2,183.63	297-308	366-372	31-32

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All specifications reflect averages derived from product sample testing and are provided as guidance only. They are subject to inherent variances and may be changed without notice to improve reliability, function, or design or otherwise.

Manufactured according to ASTM & EN standards by ASK Gypsum Factory Ltd.