

Sectional Properties

Area = 117.0 millimeters²

Centroid relative to output coordinate system origin: (millimeters)

X = 0.0
Y = 19.4
Z = 0.0

Moments of inertia of the area, at the centroid: (millimeters ⁴)

Lxx = 28675.3 Lxy = 0.0 Lxz = 0.0
Lyx = 0.0 Lyy = 80231.7 Lyz = 0.0
Lzx = 0.0 Lzy = 0.0 Lzz = 108907.0

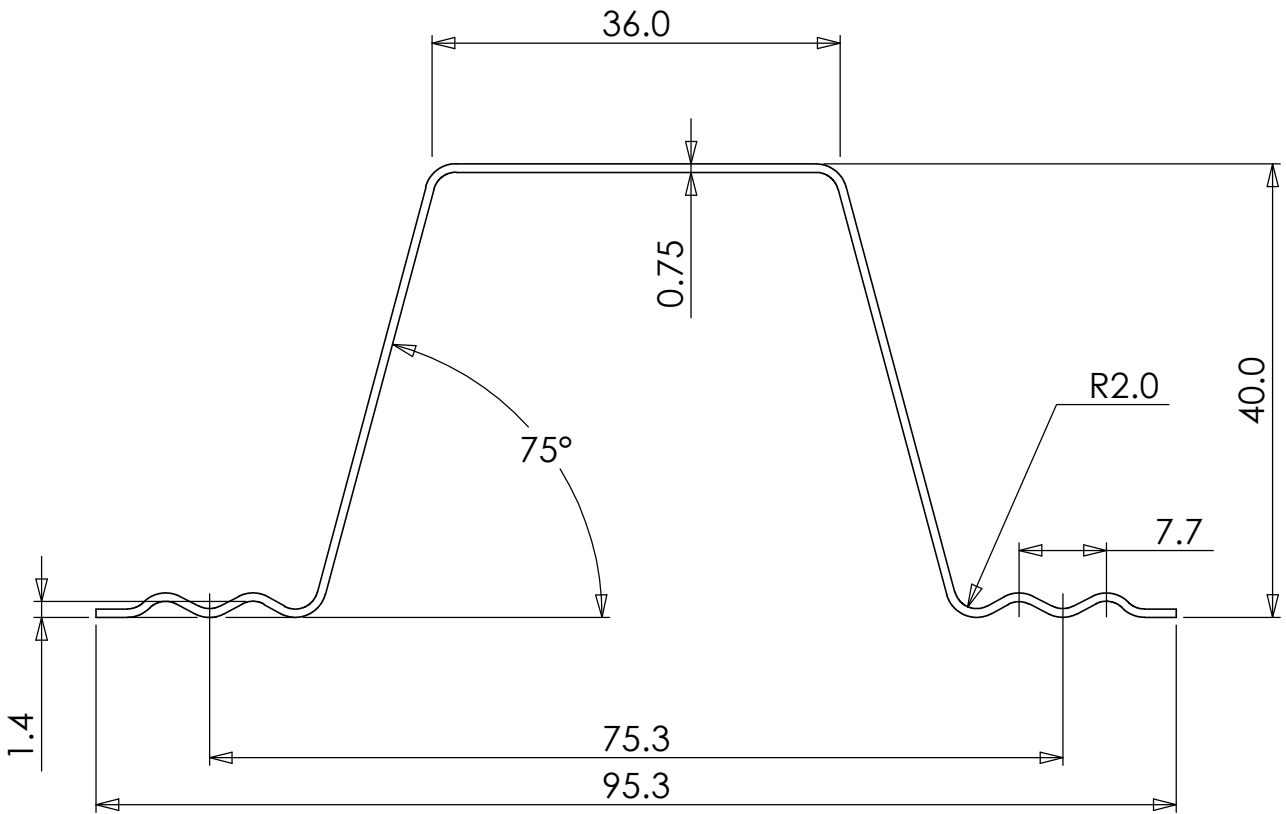
Polar moment of inertia of the area, at the centroid = 108907.0 millimeters ⁴

Principal moments of inertia of the area, at the centroid: (millimeters ⁴)

Ix = 28675.3
Iy = 80231.7

Moments of inertia of the area, at the output coordinate system: (millimeters ⁴)

LXX = 72664.1 LXY = -0.0 LXZ = 0.0
LYX = -0.0 LYY = 80231.7 LYZ = 0.0
LZX = 0.0 LZY = 0.0 LZZ = 152895.8



REVISION	NOTES	DATE			
STOCK NO.		Dwg. No.	Part.	SCALE	SHEET No.
		00011001a 40x0.75 TopHat (option 1)		1.5:1	1 OF 1
TOLERANCES		MATERIAL	FINISH	No. OFF	A4
XX = ± 1.0 XX.X = ± 0.1 XX.XX = ± 0.03		G550	Z275 Galv.		
STANDARD TOLERANCES UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED DO NOT SCALE IF IN DOUBT, ASK		DRAWN Anton Mucalo	11/12/2014		
		CHECKED		HOWICK 117 VINCENT STREET HOWICK AUCKLAND NEW ZEALAND Ph: (09)-534-5569 Fax: (09)-537-0459 email: info@howick.co.nz THIS INFORMATION IS COPYRIGHT © HOWICK LTD	
		APPROVED			

Sectional Properties

Area = 147.7 millimeters²

Centroid relative to output coordinate system origin: (millimeters)

X = 0.0
Y = 19.4
Z = 0.0

Moments of inertia of the area, at the centroid: (millimeters ⁴)

Lxx = 35859.4 Lxy = 0.0 Lxz = 0.0
Lyx = 0.0 Lyy = 100921.1 Lyz = 0.0
Lzx = 0.0 Lzy = 0.0 Lzz = 136780.5

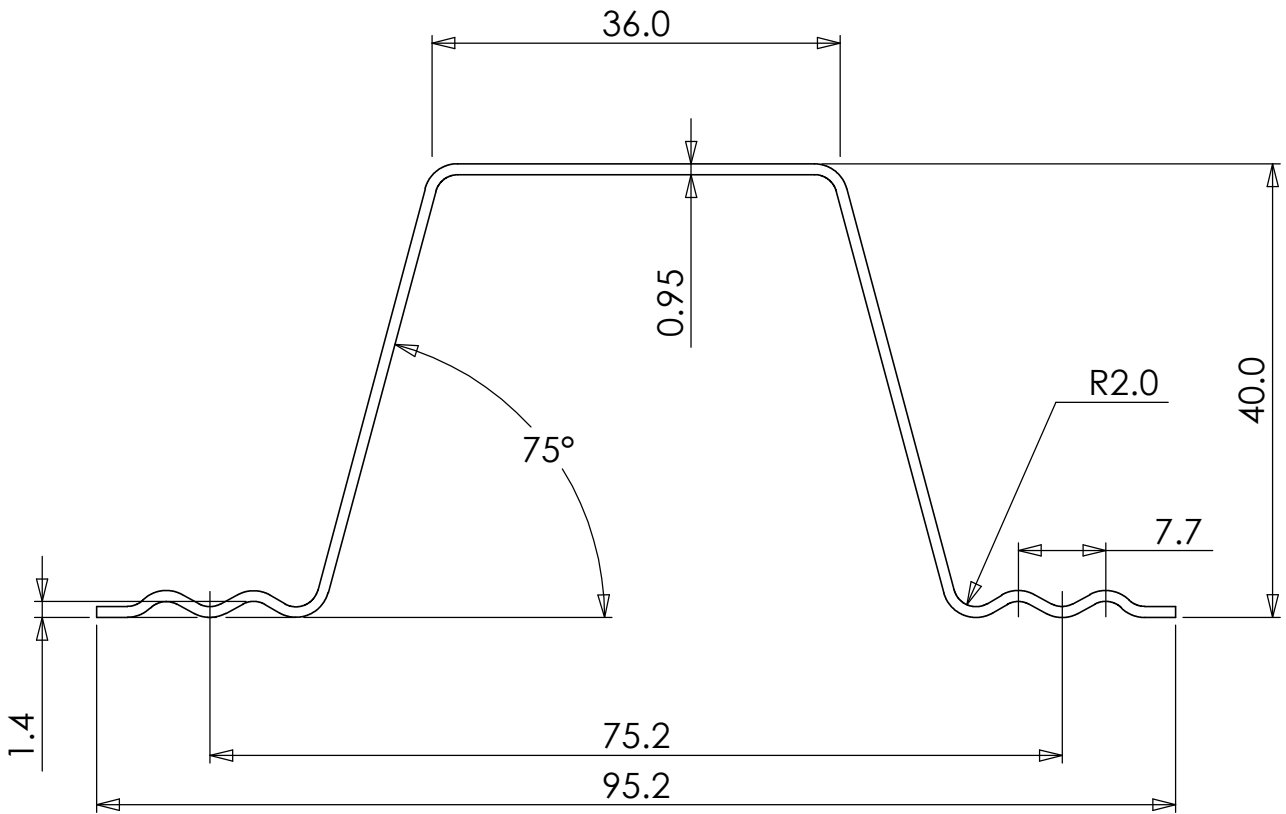
Polar moment of inertia of the area, at the centroid = 136780.5 millimeters ⁴

Principal moments of inertia of the area, at the centroid: (millimeters ⁴)

Ix = 35859.4
Iy = 100921.1

Moments of inertia of the area, at the output coordinate system: (millimeters ⁴)

LXX = 91190.3 LXY = 0.0 LXZ = 0.0
LYX = 0.0 LYY = 100921.1 LYZ = 0.0
LZX = 0.0 LZY = 0.0 LZZ = 192111.5



REVISION	NOTES	DATE			
STOCK NO.		Dwg. No.	Part.	SCALE	SHEET No.
		00011001b 40x0.95 TopHat (option 1)		1.5:1	1 OF 1
TOLERANCES		MATERIAL	FINISH	No. OFF	A4
XX = ± 1.0 XX.X = ± 0.1 XX.XX = ± 0.03		G550	Z275 Galv.		
STANDARD TOLERANCES UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED DO NOT SCALE IF IN DOUBT, ASK		DRAWN Anton Mucalo	11/12/2014		
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INNOVATION...READY TO ROLL					

Sectional Properties

Area = 178.2 millimeters²

Centroid relative to output coordinate system origin: (millimeters)

X = 0.0
Y = 19.3
Z = 0.0

Moments of inertia of the area, at the centroid: (millimeters ⁴)

Lxx = 42855.7 Lxy = 0.0 Lxz = 0.0
Lyx = 0.0 Lyy = 121325.7 Lyz = 0.0
Lzx = 0.0 Lzy = 0.0 Lzz = 164181.5

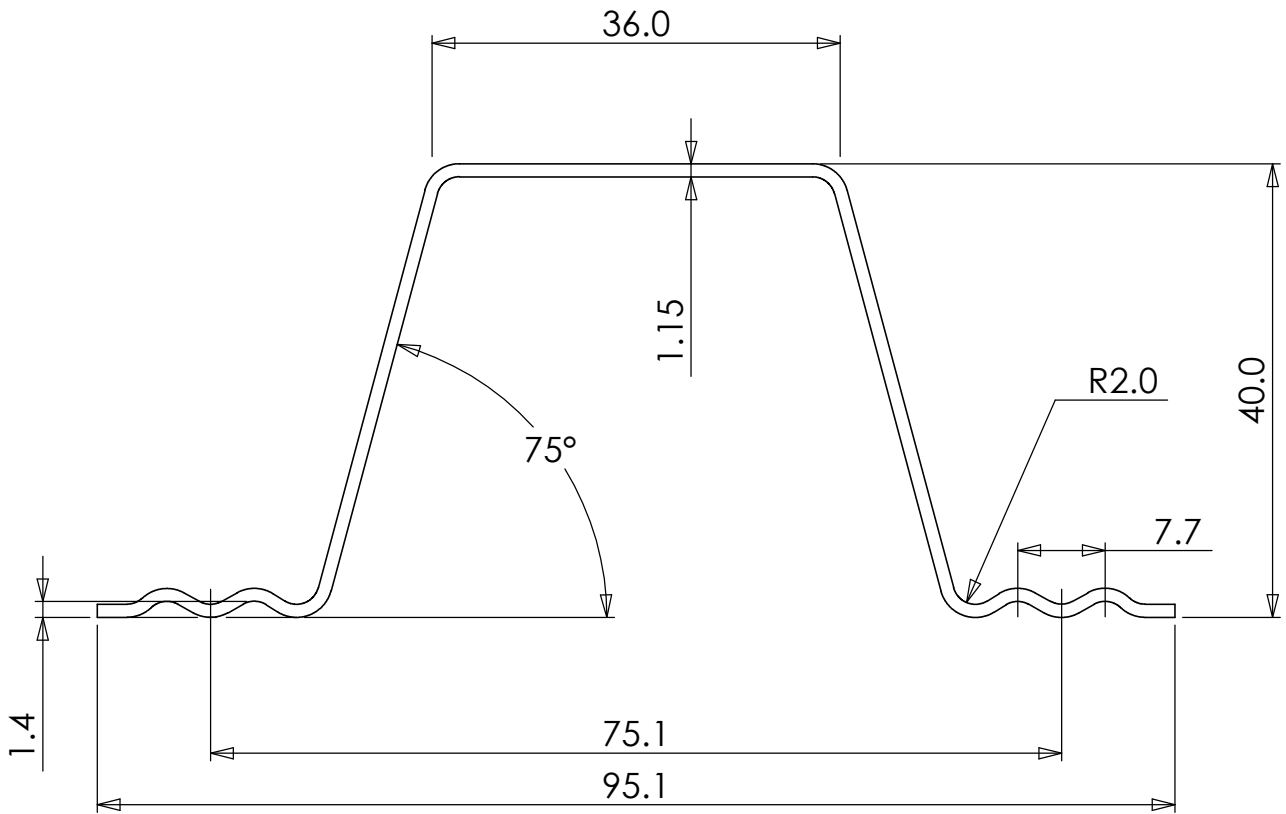
Polar moment of inertia of the area, at the centroid = 164181.5 millimeters ⁴

Principal moments of inertia of the area, at the centroid: (millimeters ⁴)

Ix = 42855.7
Iy = 121325.7

Moments of inertia of the area, at the output coordinate system: (millimeters ⁴)

LXX = 109367.1 LXY = 0.0 LXZ = -0.0
LYX = 0.0 LYY = 121325.7 LYZ = 0.0
LZX = -0.0 LZY = 0.0 LZZ = 230692.9



REVISION	NOTES	DATE
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STOCK NO.		Dwg. No. 00011001c Part. 40x1.15 TopHat (option 1)		SCALE 1.5:1	SHEET No. 1 OF 1
TOLERANCES XX = ± 1.0 XX.X = ± 0.1 XX.XX = ± 0.03		MATERIAL G550		FINISH Z275 Galv.	No. OFF A4
STANDARD TOLERANCES UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED DO NOT SCALE IF IN DOUBT, ASK		DRAWN Anton Mucalo	11/12/2014		
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