

## Moment of Inertia Conversion Factors

Multiply	By	To Obtain
<b>Moment of Inertia and Second Modulus</b>		
Moment of Inertia [kg . m <sup>2</sup> ]	23,73036	pound-foot <sup>2</sup>
Moment of Inertia [kg . m <sup>2</sup> ]	3417,171	pound-inch <sup>2</sup>
Moment of Inertia [lb . ft <sup>2</sup> ]	0,04214011	kilogram-meter <sup>2</sup> (kg.m <sup>2</sup> )
Moment of Inertia [lb . inch <sup>2</sup> ]	0,0002926397	kilogram-meter <sup>2</sup> (kg.m <sup>2</sup> )
Moment of section [foot <sup>4</sup> ]	0,008630975	meter <sup>4</sup> (m <sup>4</sup> )
Moment of section [inch <sup>4</sup> ]	41,62314	centimeter <sup>4</sup>
Moment of section [meter <sup>4</sup> ]	115,8618	foot <sup>4</sup>
Moment of section [centimeter <sup>4</sup> ]	0,0240251	inch <sup>4</sup>
Section modulus [foot <sup>3</sup> ]	0,02831685	meter <sup>3</sup> (m <sup>3</sup> )
Section modulus [inch <sup>3</sup> ]	0,00001638706	meter <sup>3</sup> (m <sup>3</sup> )
Section modulus [meter <sup>3</sup> ]	35,31466	foot <sup>3</sup>
Section modulus [meter <sup>3</sup> ]	61023,76	inch <sup>3</sup>

Provided by :



**PT. TUNASHARAPANENGINEERING**  
METAL COATING, GRINDING & CLADDING

**PT. Tunas Harapan Engineering**

Jl. Dumar Industri F2 - F3, Margomulyo

Surabaya, Indonesia, 60186

Phone : 62 - 31 - 7499142 / 7499143

Fax : 62 - 31 - 7480709

email : [info@tunasharapan-engineering.com](mailto:info@tunasharapan-engineering.com)

[www.tunasharapan-engineering.com](http://www.tunasharapan-engineering.com)