Carbon Pipe – Weight per foot Calculation

Wt/ft = (Outside Diameter – Wall Thickness) x Wall Thickness x 10.69

    Example: 6" Std (.280 wall) Pipe

        (6.625 - .280) x .280 x 10.69 = 18.99 lb/ft

Conversion of Foreign MTRS

Some foreign MTRS show mechanical tests (Yield & Tensile) in PSI (pounds per square inch) and others in Metric units such as Kgf/mm², N/mm², Mpa.

Kgf/mm² = Kilograms force per square millimeter.
To convert Kgf/mm² to PSI multiply by **1422.3** and round off to previous 100.

    Example: Yield = 36 Kgf/mm²
                    1422.3 x 36 = 51,202.3 = 51,200 PSI
                    Tensile = 62 Kgf/mm²
                    1422.3 x 62 = 88,182.6 = 88,100 PSI

N/mm² = Newtons per square millimeter.
To convert N/mm² to PSI, multiply by **145** and round off to previous 100.

    Example: Yield = 294 N/mm²
                    145 x 294 = 42,630 = 42,600 PSI
                    Tensile = 542 N/mm²
                    145 x 542 = 78,590 = 78500 PSI

Mpa – Megapascal = N/mm²
To convert Mpa to PSI multiply by **145**.

    Example: Same as N/mm² above.