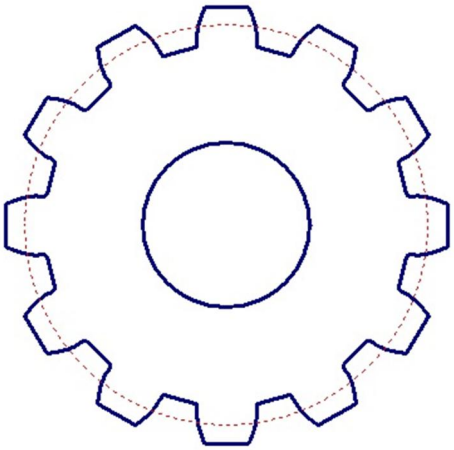
Doppler Gear TechBit: NF E22-141

French Cylindrical Involute Spline Standard

This standard covers straight, 20° pressure angle, stub tooth, involute splines used in all branches of mechanical engineering (automobile, aeronautical, railways, machine tools, engines and power units, etc.).

NF E22-141 75 x 28 x 2.50 (FIT 1)

SHAFT (EXTERNAL) or **HOLE** (INTERNAL)



75 is the "Nominal Diameter"

A basic principle of this standard is **Nominal External Diameters** of spline shafts are identical to the bore sizes for ball bearings.

28 is the Number of Teeth in the spline

2.50 is the Module of the spline (size of tooth)

-Primary series modules (recommended) are formed by whole submultiples of 10 and include: **0.50 – 1.00 – 1.25 – 1.667 – 2.50 – 5.00 – 10.00**

FIT 1 defines the type of fit

The standard fits are as follows-

Fit class:	**1**	**2**	**3**	**4**
Tooth Flank Fit:	**Clearance**	**Sliding**	**Interference**	**Force**

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Involute splines in accordance with **ANSI B92.2M, DIN 5480, and ISO 4156 are not interchangeable** with splines described by the **NF E22-141** series of standards.