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INVOLUTE SPLINES AND SERRATIONS 30° PA

To Get	Having	Rule	Formula
Diametral Pitch	Outer diameter and number of teeth	Divide number of teeth plus 1 by the outer diameter	$Pd = N + 1 / Do$
Pitch diameter	Outer diameter and number of teeth	Divide the product of outer diameter and number of teeth by number of teeth plus 1	$D = N \cdot Do / N + 1$
Outer diameter	Diametral pitch and number of teeth	Divide the number of teeth plus 1 by the quotient of number of teeth divided by pitch diameter	$Do = N + 1 / (N / d)$
Diametral pitch	Internal diameter and number of teeth	Divide number of teeth minus 1 by the internal diameter	$Pd = N - 1 / D$
Internal diameter	Diametral pitch and number	Divide number of teeth minus 1 by	$Di = N - 1 / Pd$