DATOS

Calcular la representación simplificada de los dos engranajes

$Z_1 = 8$ $Z_2 = 18$ Modulo = 2,5

Conductor

$Dp = m.z$ $De = m(z+2)$ $De = d - 2.m$ $P = \frac{\pi . d}{2}$ Altura de diente. $h = a+b$

$Dp = 2,5.8$ $De = 2,5(8+2)$ $De = 20 - 2.2,5$ $P = 31,4$ $h = 5,6$

$Dp = 20$ $De = 25$ $De = 15$

Adendum Dedendum Escala: 2:1

$a = m$ $b = 1,25.m$

$a = 2,5$ $b = 3,12$

Conducida

$Dp = m.z$	$De = m(z+2)$	$Di = d - 2.m$	Adendum	Dededemdum
$Dp = 2,5.18$	$De = 2,5(18+2)$	$Di = 45 - 2.2,5$	$a = m$	$b = 1,25.m$
$Dp = 45$	$De = 50$	$Di = 40$	$a = 2,5$	$b = 3,12$

Altura del diente

$h = a+b$

$h = 2,5 + 3,12$

$h = 5,6$

Escala 2:1

Calcular la representación simplificada de los dos engranajes

Datos

$Z_1 = 12$ $Z_2 = 16$ $m = 3$

Conductor

$Dp = m.z$	$De = m(z+2)$	$Di = d - 2.m$	Adendum	Dedemdum
$Dp = 3.12$	$De = 3(12+2)$	$Di = 36 - 2.3$	$a = m$	$b = 1,25.m$
$Dp = 36$	$De = 42$	$Di = 30$	$a = 3$	$b = 3,75$

Altura del diente.

$h = a+b$

$h = 3 + 3,75$

$h = 6,75$

Conducida

$Dp = m.z$	$De = m(z+2)$	$Di = d - 2.m$	Adendum	Dedemdum
$Dp = 3.16$	$De = 3(16+2)$	$Di = 48 - 2.3$	$a = m$	$b = 1,25.m$
$Dp = 48$	$De = 54$	$Di = 42$	$a = 3$	$b = 3,75$

Altura de diente

$h = a+b$

$h = 3 + 3,75 = 6,75$

Escala 2:1