

Gírar; gírlutföll <i>gears; transmission ratios</i>		
<p><b>Flatreimadrif, eitt þrep</b></p> <p><b>Flatreimadrif, tvö þrep</b></p>	$d_1 \cdot n_1 = d_2 \cdot n_2$ $i = \frac{n_1}{n_2} = \frac{d_2}{d_1}$ $n_1 = \frac{d_2 \cdot n_2}{d_1} \quad n_2 = \frac{d_1 \cdot n_1}{d_2}$ $n_1 \cdot d_1 \cdot d_3 = n_4 \cdot d_2 \cdot d_4$ $n_A \cdot d_1 \cdot d_3 \dots = n_E \cdot d_2 \cdot d_4 \dots$ $i_{\text{heild}} = i_1 \cdot i_2 = \frac{n_1}{n_2} \cdot \frac{n_3}{n_4} = \frac{n_1}{n_4}$ $i_{\text{heild}} = i_1 \cdot i_2 = \frac{d_2 \cdot d_4}{d_1 \cdot d_3}$ $n_A \cdot d_2 \cdot d_4 \cdot d_6 \dots$ $i_{\text{heild}} = n_E = d_1 \cdot d_3 \cdot d_5 \dots$	<p><math>d_1; d_3</math> : þvermál drifskífa</p> <p><math>d_2; d_4</math> : þvermál drifinna skífa</p> <p><math>n_1; n_3</math> : snúningshraði drifskífa</p> <p><math>n_2; n_4</math> : snúningshraði drifinna skífa</p> <p><math>n_A</math> : snúningshraði inntaks</p> <p><math>n_E</math> : snúningshraði úttaks</p> <p><math>i</math> : gírlutfall</p> <p><math>i_1; i_2</math> : gírlutfall stakra þrepa</p> <p><math>i_{\text{heild}}</math> : heildargirun</p>
<p><b>Tannhjóladrif, eitt þrep</b></p> <p><b>Tannhjóladrif, tvö þrep</b></p>	$z_1 \cdot n_1 = z_2 \cdot n_2$ $i = \frac{n_1}{n_2} = \frac{z_2}{z_1}$ $n_1 = \frac{z_2 \cdot n_2}{z_1}$ $n_2 = \frac{z_1 \cdot n_1}{z_2}$ $n_1 \cdot z_1 \cdot z_3 = n_4 \cdot z_2 \cdot z_4$ $n_A \cdot z_1 \cdot z_3 \dots = n_E \cdot z_2 \cdot z_4 \dots$ $i_{\text{heild}} = i_1 \cdot i_2 = \frac{n_1}{n_2} \cdot \frac{n_3}{n_4} = \frac{n_1}{n_4}$ $i_{\text{heild}} = i_1 \cdot i_2 = \frac{z_2 \cdot z_4}{z_1 \cdot z_3}$ $n_A \cdot z_2 \cdot z_4 \cdot z_6 \dots$ $i_{\text{heild}} = n_E = z_1 \cdot z_3 \cdot z_5 \dots$	<p><math>z_1; z_3</math> : tannafjöldi drifhjóla</p> <p><math>z_2; z_4</math> : tannafjöldi drifinna hjóla</p> <p><math>n_1; n_3</math> : snúningshraði drifhjóla</p> <p><math>n_2; n_4</math> : snúningshraði drifinna hjóla</p> <p><math>n_A</math> : snúningshraði inntaks</p> <p><math>n_E</math> : snúningshraði úttaks</p> <p><math>i</math> : gírlutfall</p> <p><math>i_1; i_2</math> : gírlutfall stakra þrepa</p> <p><math>i_{\text{heild}}</math> : heildargirun</p> <p>Málsetning tannhjóla: sjá tannhjól</p>
<p><b>Snekkjudrif</b></p>	$z_1 \cdot n_1 = z_2 \cdot n_2$ $i = \frac{n_1}{n_2} = \frac{z_2}{z_1}$	<p><math>z_1</math> : gengjufjöldi (tannafjöldi) snekkju</p> <p><math>z_2</math> : tannafjöldi snekkjuhjóls</p> <p><math>n_1</math> : snúningshraði snekkju</p> <p><math>n_2</math> : snúningshraði snekkjuhjóls</p> <p><math>i</math> : gírlutfall</p>
<p><b>Tannstangadrif</b></p>	$s = d \cdot \pi$ $s = m \cdot z \cdot \pi$ $s = \frac{m \cdot z \cdot \pi \cdot \alpha}{360^\circ}$ $v = m \cdot z \cdot \pi \cdot n$	<p><math>s</math> : færsla tannstangar</p> <p><math>v</math> : færsluhraði tannstangar</p> <p><math>d</math> : þvermál deilhrings</p> <p><math>m</math> : móðúll</p> <p><math>z</math> : tannafjöldi</p> <p><math>n</math> : snúningshraði</p> <p><math>\alpha</math> : snúningshorn</p> <p><math>\pi</math> : 3,14159...</p>