

Tip-2

Calculation for XEX drive ratio

This time tip explain how drive ratio for XEX work.

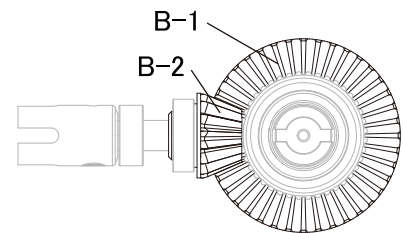
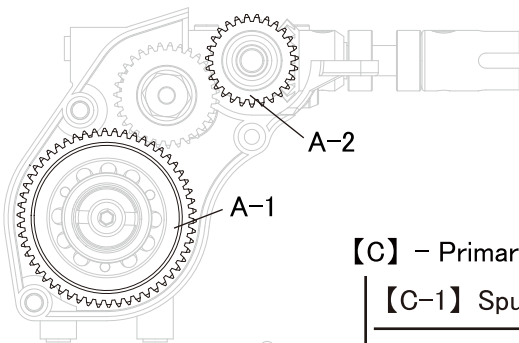
At the last part, showing current possible gear combination chart you may interesting.

[A] – Rear secondary reduction ratio

$$\frac{\text{【A-1】 Final gear (54) T}}{\text{【A-2】 Counter gear (27) T}} = (2.0)$$

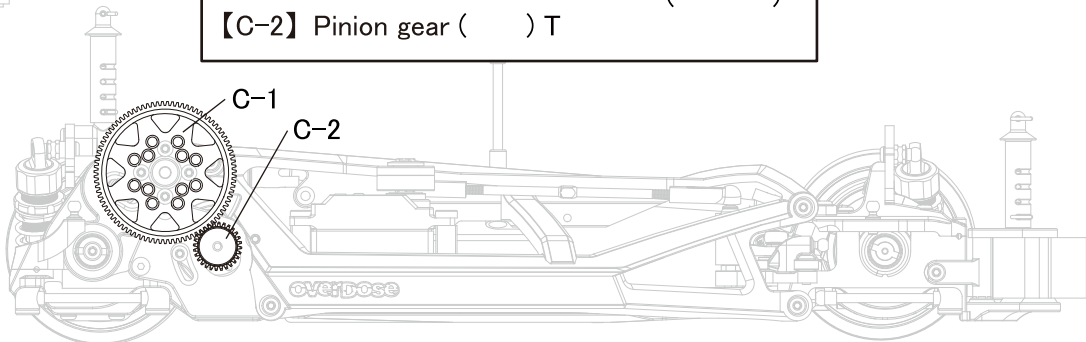
[B] – Front secondary reduction ratio

$$\frac{\text{【B-1】 Differential gear () T}}{\text{【B-2】 Bevel gear () T}} = ()$$



[C] – Primary reduction ratio

$$\frac{\text{【C-1】 Spur gear () T}}{\text{【C-2】 Pinion gear () T}} = ()$$



[D] –Rear final reduction ratio

$$\text{【A】 Rear secondary reduction ratio(2.0)} \times \text{【C】 Primary reduction ratio()} = ()$$

[E] –Front final reduction ratio

$$\text{【B】 Front secondary reduction ratio()} \times \text{【C】 Primary reduction ratio()} = ()$$

Front /Rear drive ratio

$$\frac{\text{【E】 Front final reduction ratio()}}{\text{【D】 Rear final reduction ratio()}} = ()$$

Drive ratio quick check chart		Front		
		42/14	40/15	38/19
Rear	54/27	1.500	1.333	1.000