

(R) Planetary Gears - Terminology

RATIONALE

This document has been revised for improved technical clarity.

1. SCOPE

Figures 1 to 5 illustrate in simplified form some of the more common planetary gear arrangements in order to establish applicable terminology. Gear ratio is the numerical ratio of input to output speed.

2. REFERENCES

There are no referenced publications specified herein.

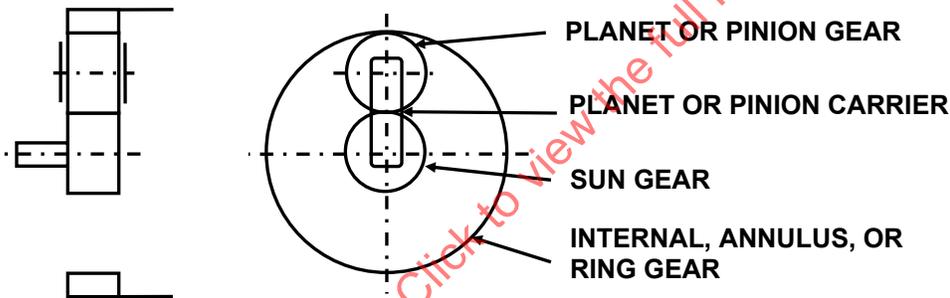


FIGURE 1 - SIMPLE PLANETARY ARRANGEMENT

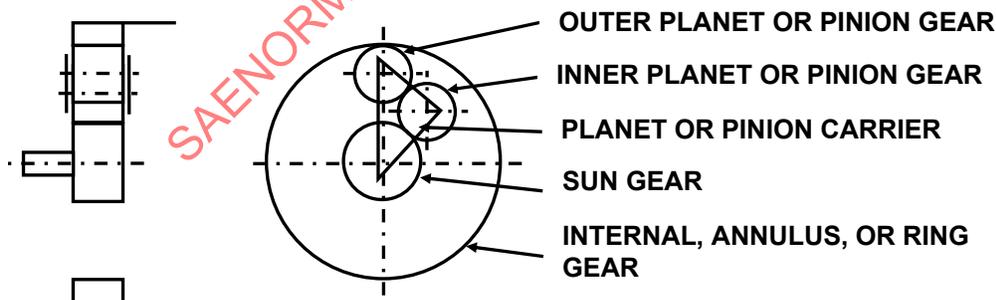


FIGURE 2 - DUAL PLANETARY ARRANGEMENT

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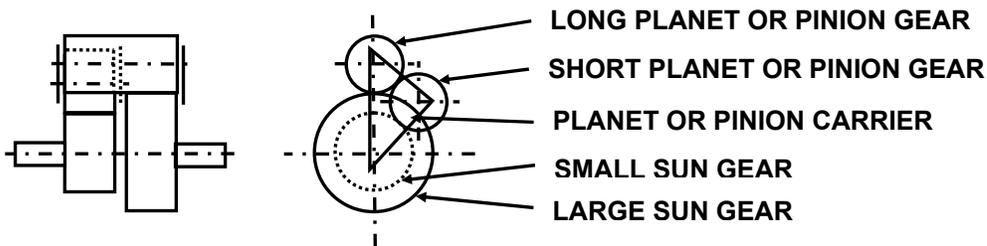


FIGURE 3 - COMPOUND EXTERNAL PLANETARY ARRANGEMENT, DUAL SUN, DUAL PLANET

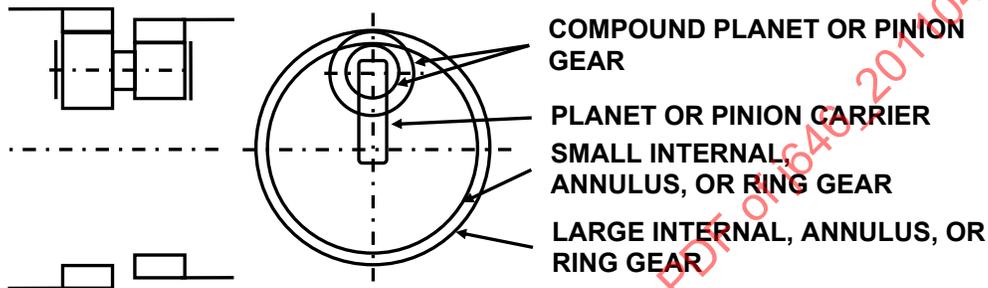


FIGURE 4 - COMPOUND INTERNAL PLANETARY ARRANGEMENT, DUAL RING, STEPPED PLANET

The above compound planetary gear arrangements may utilize additional gear elements. In particular, the compound planetary in Figure 3 may be used in combination with a ring gear in the commonly found Ravigneaux planetary arrangement.

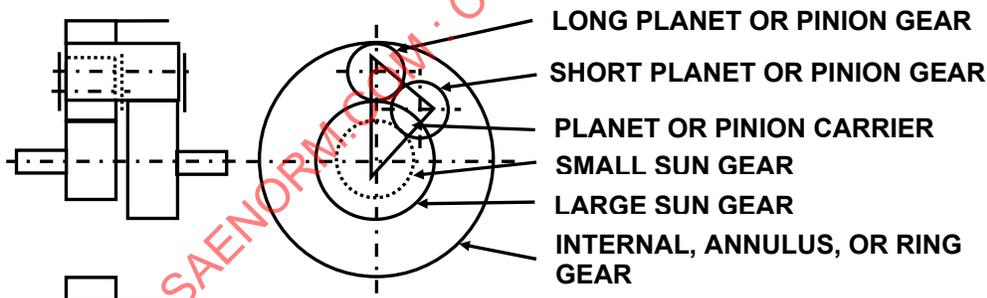


FIGURE 5 - RAVIGNEAUX PLANETARY ARRANGEMENT