Method of Ring Gear Adjustment

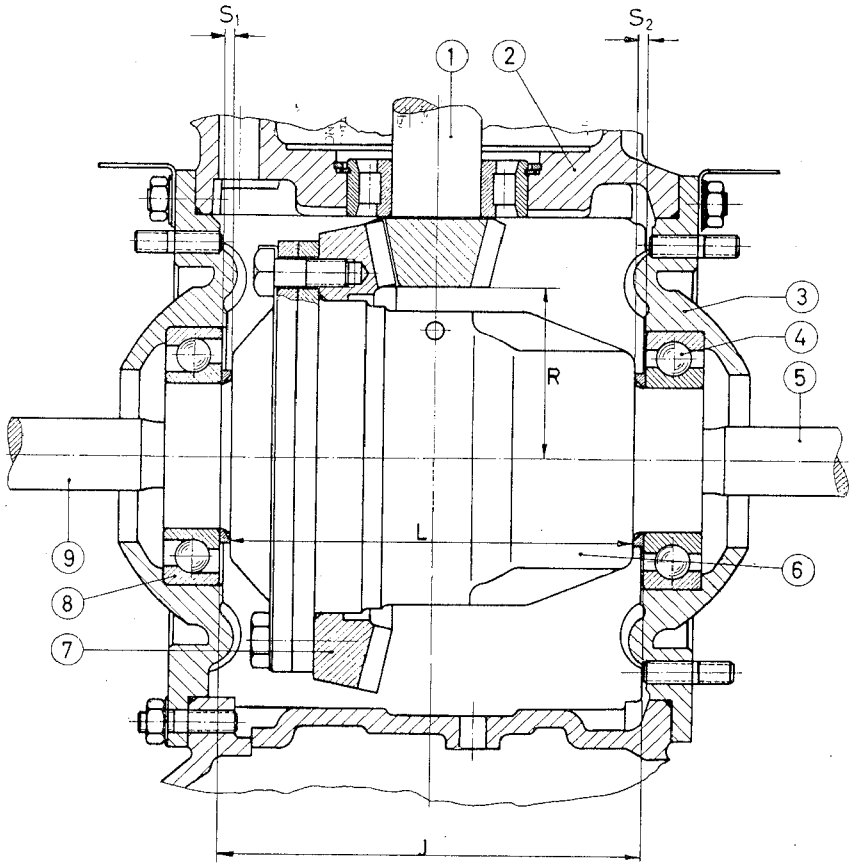
The ring gear is bolted to the differential carrier and is positioned in the housing by spacer rings placed on either side of the differential carrier. The amount of spacers required is determined from the measurement made on the assembled housing and re-checked by measuring the backlash of the assembled unit after the pinion gear has been adjusted.

To determine the thickness of the spacer rings "S_1" and "S_2" the following dimensions must be measured:

Example	Nominal
"J" Total depth of housing	145.21 mm
"L" Length of differential carrier	138.00 mm

All dimensions should be measured with an accuracy of 0.01 mm (.0004 in.).

The preload on the differential carrier bearings should be 0.13 to 0.17 mm.



S_1 Spacer (ring gear side)

S_2 Spacer (opposite ring gear)

R Distance between differential bearing centerline and face of pinion gear

L Length of differential carrier

J Total depth of housing

① **Half-axle, right**
② **Pinion shaft**
③ **Bearing wall in transmission housing**
④ **Transmission side cover, right**
⑤ **Ball bearing 6210**
⑥ **Differential carrier**
⑦ **Ring gear**
⑧ **Thrust bearing 7210 behind ring gear (Install on correct side)**
⑨ **Half-axle, left**