

# Rear Axle Overhaul

The oscillating axle of Type 220 and the single-joint-axle of Type 220a are provided with a hypoid gearset like the rear axles of our other passenger car types. This means that the center line of the bevel gear is set off center by a definite amount, in our case by 25.4 mm (1"). In the case of standard Gleason spiral gearsets the center lines intersect in the center.

The principal advantages of hypoid gearsets are longer duration of mesh and smoother operation. Furthermore it is possible to lower the propeller shaft.

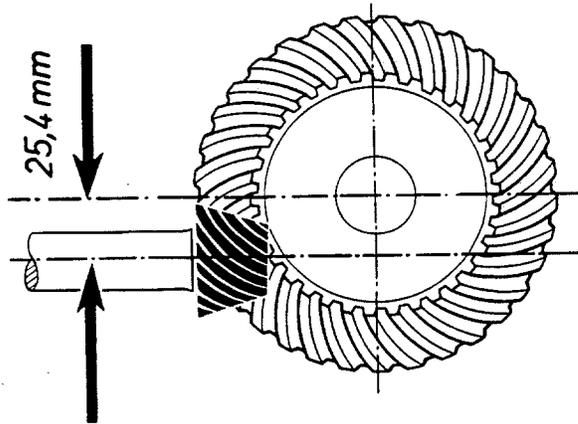
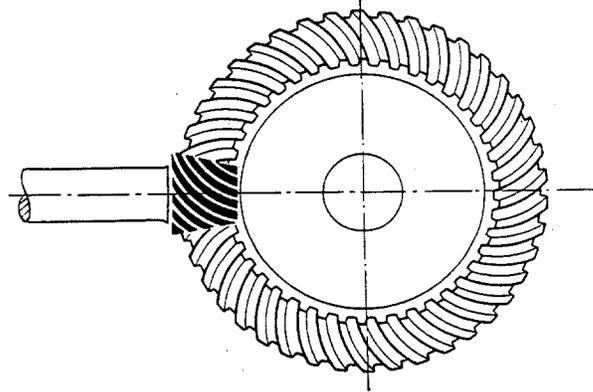


Fig. H 3/01  
Gleason hypoid gearset



25,4 mm = 1 in.

Fig. H 3/02  
Gleason spiral gearset

## Rear Axle Overhaul

Type 220

Operation No.
H 3

### Special Tools:

Torque wrench 0-26 mkg (0-188 ft.lb.)	000 589 23 21	Mounting punch for bevel bearing race / housing and bearing flange	191 589 00 39
Puller for taper bearing / differential housing	187 589 05 33	Three brake drum removing screws M 8 x 1 with chain	191 589 00 35
Pin wrench for threaded ring / bevel gear shaft	191 589 05 07	Nose wrench for slotted nut / rear axle shaft	136 589 09 07
Pin wrench for slotted nut / bevel gear shaft	136 589 00 07	Puller for bearing / rear axle shaft	136 589 20 33
Three-piece puller for bearing / bevel gear shaft	187 589 00 35	Puller for bearing race in rear axle tube	191 589 00 33
Mounting punch for cylinder bearing race / housing	191 589 01 39	Four-piece milling attachment for rear axle tube journal bores	191 589 01 61
		Milling cutter	191 589 00 51

H 3/1