

## Section J5

## Dimension data

<b>Final drive unit</b>		Pinion housing— locating diameters	105,410 mm.-105,422 mm. (4.150 in.-4.1505 in.) 105,752 mm.-105,765 mm. (4.1635 in.-4.164 in.)
Backlash—pinion to crown wheel	Etched on crown wheel		
Backlash—differential housing pinions	0,0762 mm. (0.003 in.)	Pinion shaft—bearing locating diameters	34,956 mm.-34,963 mm. (1.37625 in.-1.3765 in.) 44,581 mm.-44,588 mm. (1.75125 in.-1.7515 in.)
End float—differential housing pinions	Nil		
Crown wheel run-out (maximum)	0,05 mm. (0.002 in.)	Pinion bearings—bore diameters	34,925 mm.-34,937 mm. (1.375 in.-1.3755 in.) 44,450 mm.-44,462 mm. (1.750 in.-1.7505 in.)
Differential housing— trunnion diameters	19,036 mm.-19,05 mm. (0.7497 in.-0.750 in.)	Pinion housing— pinion bearing locating diameters	72,294 mm.-72,319 mm. (2.8423 in.-2.8433 in.) 95,199 mm.-95,224 mm. (3.748 in.-3.749 in.)
Differential housing pinions—bore diameters	19,05 mm.-19,075 mm. 0.7505 in.-0.751 in.		
Differential housing bevel pinion gear- bearing diameter	44,272 mm.-44,297 mm. (1.743 in.-1.744 in.)	Pinion bearings— outside diameters	72,232 mm.-72,257 mm. (2.8438 in.-2.8448 in.) 95,250 mm.-95,275 mm. (3.750 in.-3.751 in.)
Differential housing bevel pinion gear bore diameter	44,450 mm.-44,475 mm. (1.750 in.-1.751 in.)	Pinion—splined diameter	40,546 mm.-40,609 mm. (1.5963 in.-1.5988 in.) over 4,000 mm. (0.1575 in.) diameter rollers
Differential housing and end cap—bearing locating diameters	50,85 mm.-50,863 mm. (2.002 in.-2.0025 in.) 66,732 mm.-66,738 mm. (2.62725 in.-2.6275 in.)	Pinion—nose bearing locating diameter	38,524 mm.-38,534 mm. (1.5167 in.-1.5172 in.)
Differential housing bearings—bore diameters	50,8 mm.-50,812 mm. (2.000 in.-2.0005 in.) 66,675 mm.-66,687 mm. (2.625 in.-2.6255 in.)	Final drive casing— pinion nose bearing bore diameter	61,981 mm.-61,986 mm. (2.4402 in.-2.4404 in.)
Differential housing bearings—outside diameters	88,9 mm.-88,925 mm. (3.500 in.-3.501 in.) 107,950 mm.-107,975 mm. (4.250 in.-4.251 in.)	Pinion nose bearing— outside diameter	61,997 mm.-61,999 mm. (2.44045 in.-2.44095 in.)
Final drive casing— differential housing bearing locating bores	88,925 mm.-88,938 mm. (3.501 in.-3.5015 in.) 107,975 mm.-108,0 mm. (4.251 in.-4.252 in.)	Pinion nose bearing— running clearance	0,027 mm.-0,038 mm. (0.0005 in.-0.0015 in.)
Final drive casing— pinion housing locating diameters	105,410 mm.-105,422 mm. (4.150 in.-4.1505 in.) 105,715 mm.-105,73 mm. (4.162 in.-4.1625 in.)	<b>Final drive half-shafts</b>	
		Side housing—bearing locating bore	66,649 mm.-66,672 mm. (2.6242 in.-2.62445 in.)
		Bearing—side housing— outside diameter	67,056 mm.-67,068 mm. (2.6240 in.-2.6245 in.)

Bearing—side housing— bore diameter	37,863 mm.-38,105 mm. (1.4997 in.-1.5002 in.)
Ball and trunnion joint shaft—bearing diameter	38,093 mm.-38,10 mm. (1.49975 in.-1.500 in.)
Ball and trunnion joint spline diameter	41,846 mm.-41,859 mm. (1.6475 in.-1.6481 in.) over 3,9578 mm. (0.1512 in.) diameter rollers
Ball and trunnion joint— trunnion pin bore	24,780 mm.-24,775 mm. (0.9756 in.-0.9754 in.)
Ball and trunnion joint— trunnion pin diameter	24,838 mm.-24,889 mm. (0.97745 in.-0.97765 in.)
Trunnion pin—minimum pressing load	2½ tons/sq. in.
Ball and trunnion joint— spherical ball diameter	44,424 mm.-44,437 mm. (1.7490 in.-1.7495 in.)
Ball and trunnion joint— spherical ball bore	30,832 mm.-30,835 mm. (1.2135 in.-1.2140 in.)
Needle rollers (29 off)— diameter	2,997 mm.-3,002 mm. (0.1180 in.-0.1182 in.)
Ball and trunnion joint— spherical ball locating bores	44,450 mm.-44,475 mm. (1.750 in.-1.751 in.)