

Section J5m

Dimensional data

Final drive unit		Pinion housing – locating diameters	105,410 mm. - 105,422 mm. (4.150 in. - 4.1505 in.)
Backlash – pinion to crown wheel	Etched on crown wheel		105,752 mm. - 105,765 mm. (4.1635 in. - 4.164 in.)
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.	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 – bearing diameter	44,272 mm. - 44,297 mm. (1.743 in. - 1.744 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 bevel pinion gear bore diameter	44,450 mm. - 44,475 mm. (1.750 in. - 1.751 in.)	Pinion – nose bearing locating diameter	38,524 mm. - 38,534 mm. (1.5167 in. - 1.5172 in.)
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.)	Final drive casing – pinion nose bearing bore diameter	61,981 mm. - 61,986 mm. (2.4402 in. - 2.4404 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.)	Pinion nose bearing – outside diameter	61,997 mm. - 61,999 mm. (2.44045 in. - 2.44095 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 – running clearance	0,027 mm. - 0,038 mm. (0.0005 in. - 0.0015 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.)	Final drive half-shafts	
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.)	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.)

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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	315 kgf. sq.m, 2 tonsf. 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.)