

Chapter 1

INTRODUCTORY INFORMATION

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Presentation of permissible wear information

101. Permissible wear data is specified under the following headings:-

Dimension New
Permissible Worn Dimension; Non-selective Assembly
Permissible Worn Dimension; Selective Assembly
Clearance New
Permissible Worn Clearance

A detailed description of each heading is given in para.102. The tables indicate the wear limits to be observed during reconditioning. Detail drawings are provided with each table and are identified by letters which also locate the details on key drawings. Parts which are liable to wear are identified on the detail drawings by item numbers which also appear on the tables against the appropriate data. All dimensions are

quoted in inches and a minus sign indicates an interference fit.

Column headings

102. Dimension New indicates the maximum and minimum size to which new parts are made. It is an expression of the accuracy of workmanship demanded by design requirements.

Permissible Worn Dimension; Non-selective Assembly is the limit to which any two mating parts may wear and still be assembled to undergo a further period of service.

Permissible Worn Dimension; Selective Assembly is the limit to which a part may be worn and still be fitted for a further period of service provided that, its mating part is selected so that on assembly the Permissible Worn Clearance is not exceeded. In extreme cases, parts worn to the dimensions quoted must be

mated with new parts, to the high limit of the Dimension New in the case of male parts, and the low limit in the case of female parts.

Clearance New shows the maximum and minimum clearances which result from the mating of two new parts.

Permissible Worn Clearance is the maximum clearance permitted between two mating parts, when assembled to undergo a further period of service, and is decided upon by the manufacturers in the light of practical experience. It is not the critical clearance beyond which an assembly will fail.

OILITE BUSHES

103. For the lubrication, cleaning, re-impregnation and installation of oilite bushes refer to A.P.1464B, Vol.1, Part 2, Sect.1, Chap.3.

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