– Series TU 5 M (9)
One-piece take-up housing of cast iron

End covers

To protect bearing arrangements at shaft ends and to prevent accidents caused by free shaft ends, SKF supplies end covers for cast housings. These end covers, of series ECY 2, are made of plastic and are snapped into position in the recess provided in the housing bore. The appropriate end covers for the housings as well as the amount by which they protrude from the housing will be found in the table below.

Dimensions

The boundary dimensions of the Y-bearing housings shown in this catalogue, with the exception of the centre heights (dimension H_1) of the pressed plummer block housings of series P(00), conform to ISO 3228-1977.

Errors of alignment

Y-bearing units enable initial errors of alignment of up to $\pm 5°$ to be compensated for. Where Y-bearings are mounted in cast iron housings and it is desired that they can be relubricated, the initial error of alignment should not exceed $\pm 2°$ as otherwise the lubrication groove in the housing bore and the lubrication hole(s) in the bearing outer ring will not coincide.

With Y-bearing units having pressed steel housings, it is not possible to make further compensation for errors of alignment once the attachment bolts have been tightened.

Tolerances

The tolerance for the height of the shaft axis above the support surface H_1 for Y-bearing plummer block housings of cast iron is $\pm 0{,}25$ mm up to and including size 508 and $\pm 0{,}30$ mm for the other sizes.

The tolerances of the bearing outside diameter and housing bore seating of Y-bearing units with cast iron housings have been chosen so that movement of the bearing in its seating (wandering) is avoided whilst compensation for initial errors of alignment is permitted.

End cover Designation	**To fit housings** Designations					**Dimension** A (mm)
ECY 204	SY 504 M	SYF 504	FY 504 M	FYTB 504 M	TU 504 M	20,5
ECY 205	SY 505 M	SYF 505	FY 505 M	FYTB 505 M	TU 505 M	20,5
ECY 206	SY 506 M	SYF 506	FY 506 M	FYTB 506 M	TU 506 M	22,5
ECY 207	SY 507 M	SYF 507	FY 507 M	FYTB 507 M	TU 507 M	24,5
ECY 208	SY 508 M	SYF 508	FY 508 M	FYTB 508 M	TU 508 M	26
ECY 209	SY 509 M	SYF 509	FY 509 M	FYTB 509 M	TU 509 M	26,5
ECY 210	SY 510 M	SYF 510	FY 510 M	FYTB 510 M	TU 510 M	33

