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MS27646 — extra light duty

Airframe Bearing, Antifriction, Extra Light Duty: dimensions and part numbers as tabulated.



MS27646

Specification

Item	Value
Type	Airframe bearing, antifriction
Material	Airframe antifriction bearing
Status	Check the current issue of the standard before design use.

Dimensions by size

Dimension, in	-38	-39	-41
B — bore (+.0000 / -.0005)	.6250	.7500	1.0625
D — outside diameter (+.0000 / -.0005)	1.065	1.1875	1.5000
W — width of inner ring (+.000 / -.005)	.281	.281	.281
H — width of outer ring (+.000 / -.005)	.250	.250	.250
A — shoulder diameter, inner (approx.)	.777	.895	1.216
E — corner chamfer x 45° (+.020 / -.000)	.015	.015	.015
Radial limit — Radial limit load, lb	3280	3750	5000
Thrust limit — Thrust limit load, lb	1500	1700	2200
Rating, Case I — Radial load rating, lb, Case I (avg. life 10,000 complete 90° cycles)	1990	2050	2170
Rating, Case II — Radial load rating, lb, Case II (avg. life 10,000 complete 90° cycles)	1820	1900	2020

Dimensions in inches, loads in pounds, as tabulated; tolerances in the dimension names.

Part numbers

Part no.	Size
MS27646-38	.6250
MS27646-39	.7500
MS27646-41	1.0625

Dash numbers of the standard, each with its own link.

How to read the part number

Part	Meaning
Format	MS27646-<dash>
Example	MS27646-38 — dash 38

Notes

- Case I and Case II are the two radial load rating columns of the listing, for an average life of 10,000 complete 90° cycles.
- Part numbers of the manufacturer (Mfg. P/N) are given as listed.

SOURCES · MS27646 — Airframe Bearing, Antifriction, Extra Light Duty

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/bearings/ms27646/