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MS27641 — intermediate duty

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



MS27641

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	-3	-4	-5	-6	-8	-10
B — bore (+.0000 / -.0005)	.1900	.2500	.3125	.3750	.5000	.6250
D — outside diameter (+.0000 / -.0005)	.6250	.7500	.8125	.8750	1.125	1.375
W — width of inner ring (+.000 / -.005)	.297	.281	.297	.313	.375	.406
H — width of outer ring (+.000 / -.005)	.234	.219	.234	.250	.313	.344
A — shoulder diameter, inner (approx.)	.297	.380	.415	.495	.616	.768
E — inner ring bore chamfer (+.015 / -.000)	.005	.005	.015	.015	.015	.015
C — outer ring OD chamfer (+.015 / -.000)	.016	.016	.016	.016	.016	.032
Radial limit — Radial limit load, lb	1560	1880	2190	2500	3910	6700
Thrust limit — Thrust limit load, lb	700	900	1000	1100	1700	3000
Rating, Case I — Radial load rating, lb, Case I (avg. life 10,000 complete 90° cycles)	1500	1690	1820	1920	2870	4980
Rating, Case II — Radial load rating, lb, Case II (avg. life 10,000 complete 90° cycles)	1250	1450	1600	1710	2550	4360

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

Part numbers

Part no.	Size	Mfg. P/N (as listed)
MS27641-3	.1900	KP3A
MS27641-4	.2500	KP4A
MS27641-5	.3125	KP5A
MS27641-6	.3750	KP6A
MS27641-8	.5000	KP8A
MS27641-10	.6250	KP10A

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

How to read the part number

Part	Meaning
Format	MS27641-<dash>
Example	MS27641-3 — dash 3

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 · MS27641 — Airframe Bearing, Antifriction, Intermediate Duty

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/bearings/ms27641/

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.