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MS27643 — self-aligning, light and heavy duty

Airframe Bearing, Antifriction, Self-Aligning, Light and Heavy Duty: dimensions and part numbers as tabulated.

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
B — bore (+.0000 / -.0005)	.1900	.2500	.3125
D — outside diameter (+.0000 / -.0005)	.7774	.9014	1.250
W — width of inner ring (+.000 / -.005)	.500	.687	.812
H — width of outer ring (+.000 / -.005)	.392	.454	.656
A — shoulder diameter, inner (approx.)	.304	.430	.515
E — inner ring bore chamfer (+.015 / -.000)	.005	.005	.015
C — outer ring OD chamfer (+.015 / -.000)	.022	.032	.032
Radial limit — Radial limit load, lb	1420	1780	3740
Thrust limit — Thrust limit load, lb	200	300	600
Rating, Case I — Radial load rating, lb, Case I (avg. life 10,000 complete 90° cycles)	1420	1780	3740
Rating, Case II — Radial load rating, lb, Case II (avg. life 10,000 complete 90° cycles)	1220	1600	3300
Axial play — Axial play, in max	.0055	.0055	.0060

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

Part numbers

Part no.	Size	Mfg. P/N (as listed)
MS27643-3	.1900	DSP3
MS27643-4	.2500	DSP4
MS27643-5	.3125	DSP5

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

How to read the part number

Part	Meaning
Format	MS27643-<dash>
Example	MS27643-3 — 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 · MS27643 — Airframe Bearing, Antifriction, Self-Aligning, Light and Heavy Duty

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/bearings/ms27643/

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