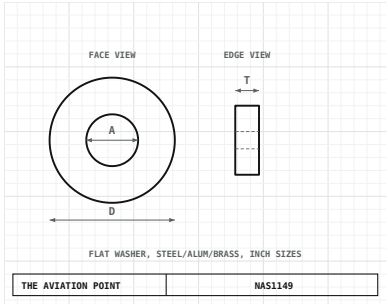
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NAS1149 washer — flat washer, steel/alum/brass, inch sizes

NAS1149 flat washer: the replacement for every AN960 number, from the AN960 interchangeability table.



NAS1149



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Flat washer
Status	Check the current issue before design use.

Part numbers

No. 2 13 part numbers

Part no.	Replaces (AN960)
NAS1149BN232H	AN960B2
NAS1149CN216B	AN960XC2L
NAS1149CN216R	AN960C2L
NAS1149CN232B	AN960XC2
NAS1149CN232R	AN960C2
NAS1149DN216H	AN960D2L
NAS1149DN216J	AN960JD2L, AN960PD2L
NAS1149DN216K	AN960KD2L

No. 3 13 part numbers

Part no.	Replaces (AN960)
NAS1149BN332H	AN960B3
NAS1149CN316B	AN960XC3L
NAS1149CN316R	AN960C3L
NAS1149CN332B	AN960XC3
NAS1149CN332R	AN960C3
NAS1149DN316H	AN960D3L
NAS1149DN316J	AN960JD3L, AN960PD3L
NAS1149DN316K	AN960KD3L

No. 4 13 part numbers

Part no.	Replaces (AN960)
NAS1149BN432H	AN960B4
NAS1149CN416B	AN960XC4L
NAS1149CN416R	AN960C4L
NAS1149CN432B	AN960XC4
NAS1149CN432R	AN960C4
NAS1149DN416H	AN960D4L
NAS1149DN416J	AN960JD4L, AN960PD4L
NAS1149DN416K	AN960KD4L

No. 5 7 part numbers

Part no.	Replaces (AN960)
NAS1149BN542H	AN960B5
NAS1149CN542B	AN960XC5
NAS1149CN542R	AN960C5
NAS1149DN542H	AN960D5
NAS1149DN542J	AN960JD5, AN960PD5
NAS1149DN542K	AN960KD5
NAS1149FN542P	AN960-5

No. 6 13 part numbers

Part no.	Replaces (AN960)
NAS1149BN632H	AN960B6
NAS1149CN616B	AN960XC6L
NAS1149CN616R	AN960C6L
NAS1149CN632B	AN960XC6
NAS1149CN632R	AN960C6
NAS1149DN616H	AN960D6L
NAS1149DN616J	AN960JD6L, AN960PD6L
NAS1149DN616K	AN960KD6L

No. 8 13 part numbers

Part no.	Replaces (AN960)
NAS1149BN832H	AN960B8
NAS1149CN816B	AN960XC8L
NAS1149CN816R	AN960C8L
NAS1149CN832B	AN960XC8
NAS1149CN832R	AN960C8
NAS1149DN816H	AN960D8L
NAS1149DN816J	AN960JD8L, AN960PD8L
NAS1149DN816K	AN960KD8L

No. 9 7 part numbers

Part no.	Replaces (AN960)
NAS1149BN949H	AN960B9
NAS1149CN949B	AN960XC9
NAS1149CN949R	AN960C9
NAS1149DN949H	AN960D9
NAS1149DN949J	AN960JD9, AN960PD9
NAS1149DN949K	AN960KD9
NAS1149FN949P	AN960-9

No. 10 16 part numbers

Part no.	Replaces (AN960)
NAS1149B0363H	AN960B10
NAS1149C0316B	AN960XC10LL
NAS1149C0332B	AN960XC10L
NAS1149C0332R	AN960C10L
NAS1149C0363B	AN960XC10
NAS1149C0363R	AN960C10
NAS1149D0316H	AN960D10L
NAS1149D0316J	AN960JD10LL, AN960PD10L

No. 11 7 part numbers

Part no.	Replaces (AN960)
NAS1149B1165H	AN960B11
NAS1149C1165B	AN960XC11
NAS1149C1165R	AN960C11
NAS1149D1165H	AN960D11
NAS1149D1165J	AN960JD11, AN960PD11
NAS1149D1165K	AN960KD11
NAS1149F1165P	AN960-11

1/4 13 part numbers

Part no.	Replaces (AN960)
NAS1149B0463H	AN960B416
NAS1149C0432B	AN960XC416L
NAS1149C0432R	AN960C416L
NAS1149C0463B	AN960XC416
NAS1149C0463R	AN960C416
NAS1149D0416H	AN960D416L
NAS1149D0416J	AN960JD416L, AN960PD416L
NAS1149D0416K	AN960KD416L

5/16 13 part numbers

Part no.	Replaces (AN960)
NAS1149B0563H	AN960B516
NAS1149C0532B	AN960XC516L
NAS1149C0532R	AN960C516L
NAS1149C0563B	AN960XC516
NAS1149C0563R	AN960C516
NAS1149D0516H	AN960D516L
NAS1149D0516J	AN960JD516L, AN960PD516L
NAS1149D0516K	AN960KD516L

3/8 16 part numbers

Part no.	Replaces (AN960)
NAS1149B0663H	AN960B616
NAS1149C0616B	AN960XC616LL
NAS1149C0616R	AN960C616LL
NAS1149C0632B	AN960XC616L
NAS1149C0632R	AN960C616L
NAS1149C0663B	AN960XC616
NAS1149C0663R	AN960C616
NAS1149D0616H	AN960D616L

7/16 14 part numbers

Part no.	Replaces (AN960)
NAS1149B0763H	AN960B716
NAS1149C0716B	AN960XC716LL
NAS1149C0732B	AN960XC716L
NAS1149C0732R	AN960C716L
NAS1149C0763B	AN960XC716
NAS1149C0763R	AN960C716
NAS1149D0716H	AN960D716L
NAS1149D0716J	AN960JD716L, AN960PD716L

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

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1/2 13 part numbers

Part no.	Replaces (AN960)
NAS1149B0863H	AN960B816
NAS1149C0832B	AN960XC816L
NAS1149C0832R	AN960C816L
NAS1149C0863B	AN960XC816
NAS1149C0863R	AN960C816
NAS1149D0816H	AN960D816L
NAS1149D0816J	AN960JD816L, AN960PD816L
NAS1149D0816K	AN960KD816L

9/16 13 part numbers

Part no.	Replaces (AN960)
NAS1149B0963H	AN960B916
NAS1149C0932B	AN960XC916L
NAS1149C0932R	AN960C916L
NAS1149C0963B	AN960XC916
NAS1149C0963R	AN960C916
NAS1149D0916H	AN960D916L
NAS1149D0916J	AN960JD916L, AN960PD916L
NAS1149D0916K	AN960KD916L

5/8 13 part numbers

Part no.	Replaces (AN960)
NAS1149B1063H	AN960B1016
NAS1149C1032B	AN960XC1016L
NAS1149C1032R	AN960C1016L
NAS1149C1063B	AN960XC1016
NAS1149C1063R	AN960C1016
NAS1149D1016H	AN960D1016L
NAS1149D1016J	AN960JD1016L, AN960PD1016L
NAS1149D1016K	AN960KD1016L

3/4 13 part numbers

Part no.	Replaces (AN960)
NAS1149B1290H	AN960B1216
NAS1149C1232B	AN960XC1216L
NAS1149C1232R	AN960C1216L
NAS1149C1290B	AN960XC1216
NAS1149C1290R	AN960C1216
NAS1149D1216H	AN960D1216L
NAS1149D1216J	AN960JD1216L, AN960PD1216L
NAS1149D1216K	AN960KD1216L

7/8 13 part numbers

Part no.	Replaces (AN960)
NAS1149B1490H	AN960B1416
NAS1149C1432B	AN960XC1416L
NAS1149C1432R	AN960C1416L
NAS1149C1490B	AN960XC1416
NAS1149C1490R	AN960C1416
NAS1149D1416H	AN960D1416L
NAS1149D1416J	AN960JD1416L, AN960PD1416L
NAS1149D1416K	AN960KD1416L

1 13 part numbers

Part no.	Replaces (AN960)
NAS1149B1690H	AN960B1616
NAS1149C1632B	AN960XC1616L
NAS1149C1632R	AN960C1616L
NAS1149C1690B	AN960XC1616
NAS1149C1690R	AN960C1616
NAS1149D1616H	AN960D1616L
NAS1149D1616J	AN960JD1616L, AN960PD1616L
NAS1149D1616K	AN960KD1616L

1-1/16 11 part numbers

Part no.	Replaces (AN960)
NAS1149B1790H	AN960B1716
NAS1149C1790B	AN960XC1716
NAS1149C1790R	AN960C1716
NAS1149D1716H	AN960D1716L
NAS1149D1716J	AN960JD1716L, AN960PD1716L
NAS1149D1716K	AN960KD1716L
NAS1149D1790H	AN960D1716
NAS1149D1790J	AN960JD1716, AN960PD1716

1-1/8 11 part numbers

Part no.	Replaces (AN960)
NAS1149B1890H	AN960B1816
NAS1149C1890B	AN960XC1816
NAS1149C1890R	AN960C1816
NAS1149D1816H	AN960D1816L
NAS1149D1816J	AN960JD1816L, AN960PD1816L
NAS1149D1816K	AN960KD1816L
NAS1149D1890H	AN960D1816
NAS1149D1890J	AN960JD1816, AN960PD1816

1-1/4 11 part numbers

Part no.	Replaces (AN960)
NAS1149B2090H	AN960B2016
NAS1149C2090B	AN960XC2016
NAS1149C2090R	AN960C2016
NAS1149D2016H	AN960D2016L
NAS1149D2016J	AN960JD2016L, AN960PD2016L
NAS1149D2016K	AN960KD2016L
NAS1149D2090H	AN960D2016
NAS1149D2090J	AN960JD2016, AN960PD2016

1-5/16 11 part numbers

Part no.	Replaces (AN960)
NAS1149B2190H	AN960B2116
NAS1149C2190B	AN960XC2116
NAS1149C2190R	AN960C2116
NAS1149D2116H	AN960D2116L
NAS1149D2116J	AN960JD2116L, AN960PD2116L
NAS1149D2116K	AN960KD2116L
NAS1149D2190H	AN960D2116
NAS1149D2190J	AN960JD2116, AN960PD2116

1-5/8 11 part numbers

Part no.	Replaces (AN960)
NAS1149B2690H	AN960B2616
NAS1149C2690B	AN960XC2616
NAS1149C2690R	AN960C2616
NAS1149D2616H	AN960D2616L
NAS1149D2616J	AN960JD2616L, AN960PD2616L
NAS1149D2616K	AN960KD2616L
NAS1149D2690H	AN960D2616
NAS1149D2690J	AN960JD2616, AN960PD2616

1-7/8 11 part numbers

Part no.	Replaces (AN960)
NAS1149B3090H	AN960B3016
NAS1149C3090B	AN960XC3016
NAS1149C3090R	AN960C3016
NAS1149D3016H	AN960D3016L
NAS1149D3016J	AN960JD3016L, AN960PD3016L
NAS1149D3016K	AN960KD3016L
NAS1149D3090H	AN960D3016
NAS1149D3090J	AN960JD3016, AN960PD3016

2-1/4 11 part numbers

Part no.	Replaces (AN960)
NAS1149B3690H	AN960B3616
NAS1149C3690B	AN960XC3616
NAS1149C3690R	AN960C3616
NAS1149D3616H	AN960D3616L
NAS1149D3616J	AN960JD3616L, AN960PD3616L
NAS1149D3616K	AN960KD3616L
NAS1149D3690H	AN960D3616
NAS1149D3690J	AN960JD3616, AN960PD3616

2-1/2 11 part numbers

Part no.	Replaces (AN960)
NAS1149B4090H	AN960B4016
NAS1149C4090B	AN960XC4016
NAS1149C4090R	AN960C4016
NAS1149D4016H	AN960D4016L
NAS1149D4016J	AN960JD4016L, AN960PD4016L
NAS1149D4016K	AN960KD4016L
NAS1149D4090H	AN960D4016
NAS1149D4090J	AN960JD4016, AN960PD4016

Showing 213 of 324 rows. Complete table: theaviationpoint.com/parts/washers/nas1149/

How to read the part number

Part	Meaning
Example	NAS1149FN216P — The replacement for AN960-2L

Notes

- Every number here is the replacement the AN960 notice names for an AN960 washer; the last column gives the AN960 number or numbers it replaces.
- AN960 Rev. 21 was cancelled by Notice 1 (16 Sep 2011); future acquisitions refer to NAS1149.
- Part number written as the listing writes it; the standard governs the exact format.
- Approved data governs. Use the washer the SRM, drawing or IPC calls for.

SOURCES · AN960 Rev. 21, 6 Aug 1992 — Washer, Flat

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/washers/nas1149/

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