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NAS965-D — cobalt 1/4-28 threaded shank drills: stub, short, long

Cobalt 1/4-28 threaded square shank drills to NAS 965 Type D: every size, length and order number, read from the maker's brochure.

Specification

Item	Value
Type	Threaded shank drill
Material	HSCo (M33 or M42)
Finish	Steam oxide (NAS 965 Type D: oxide finish standard, other finish optional)
Maker	Precision brand, Dormer Pramet
Standard	Manufactured to NAS 965 Type D
Shank	1/4-28 UNF threaded square or hexagonal, 5/16" wrenching flats

Item	Value
Point	P-9 (135°) split point, heavy duty
Web	Thickness increases uniformly at a 0.027" ± 0.003" per inch taper
Back taper	0.0002" to 0.0005" per inch for all diameters
Size range	Ø1/16" thru ØF in the maker's NAS summary; its tables run #50 to 3/8"
Lengths	Stub, short and long (2-1/8" O.A.L.)
Status	Maker's aerospace brochure, read 30 Oct 2026; the NAS itself is not reproduced here. Check the current issue before you order.

Part numbers

#50 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878110	Stub	5/16	1/2 (12.7)	1/8
7878171	Short	9/16	1 (25.4)	1/4
7878232	Long	7/8	2-1/8 (54.0)	1/4

#36 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878116	Stub	5/16	1/2 (12.7)	1/8
7878177	Short	9/16	1 (25.4)	1/4
7878238	Long	7/8	2-1/8 (54.0)	1/4

#31 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878122	Stub	5/16	1/2 (12.7)	1/8
7878183	Short	9/16	1 (25.4)	1/4
7878244	Long	7/8	2-1/8 (54.0)	1/4

3/32" 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878111	Stub	5/16	1/2 (12.7)	1/8
7878172	Short	9/16	1 (25.4)	1/4
7878233	Long	7/8	2-1/8 (54.0)	1/4

7/64" 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878117	Stub	5/16	1/2 (12.7)	1/8
7878178	Short	9/16	1 (25.4)	1/4
7878239	Long	7/8	2-1/8 (54.0)	1/4

1/8" 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878123	Stub	5/16	1/2 (12.7)	1/8
7878184	Short	9/16	1 (25.4)	1/4
7878245	Long	7/8	2-1/8 (54.0)	1/4

#40 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878112	Stub	5/16	1/2 (12.7)	1/8
7878173	Short	9/16	1 (25.4)	1/4
7878234	Long	7/8	2-1/8 (54.0)	1/4

#35 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878118	Stub	5/16	1/2 (12.7)	1/8
7878179	Short	9/16	1 (25.4)	1/4
7878240	Long	7/8	2-1/8 (54.0)	1/4

#30 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878124	Stub	5/16	9/16 (14.3)	1/8
7878185	Short	9/16	1-1/4 (31.8)	1/4
7878246	Long	1-1/8	2-1/8 (54.0)	1/4

#39 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878113	Stub	5/16	1/2 (12.7)	1/8
7878174	Short	9/16	1 (25.4)	1/4
7878235	Long	7/8	2-1/8 (54.0)	1/4

#34 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878119	Stub	5/16	1/2 (12.7)	1/8
7878180	Short	9/16	1 (25.4)	1/4
7878241	Long	7/8	2-1/8 (54.0)	1/4

#29 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878125	Stub	5/16	9/16 (14.3)	1/8
7878186	Short	9/16	1-1/4 (31.8)	1/4
7878247	Long	1-1/8	2-1/8 (54.0)	1/4

#38 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878114	Stub	5/16	1/2 (12.7)	1/8
7878175	Short	9/16	1 (25.4)	1/4
7878236	Long	7/8	2-1/8 (54.0)	1/4

#33 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878120	Stub	5/16	1/2 (12.7)	1/8
7878181	Short	9/16	1 (25.4)	1/4
7878242	Long	7/8	2-1/8 (54.0)	1/4

#28 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878126	Stub	5/16	9/16 (14.3)	1/8
7878187	Short	9/16	1-1/4 (31.8)	1/4
7878248	Long	1-1/8	2-1/8 (54.0)	1/4

#37 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878115	Stub	5/16	1/2 (12.7)	1/8
7878176	Short	9/16	1 (25.4)	1/4
7878237	Long	7/8	2-1/8 (54.0)	1/4

#32 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878121	Stub	5/16	1/2 (12.7)	1/8
7878182	Short	9/16	1 (25.4)	1/4
7878243	Long	7/8	2-1/8 (54.0)	1/4

9/64" 3 part numbers

Part no.	Length	Flute l2, in	Overall l1, in (mm)	l3, in
7878127	Stub	5/16	9/16 (14.3)	1/8
7878188	Short	9/16	1-1/4 (31.8)	1/4
7878249	Long	1-1/8	2-1/8 (54.0)	1/4

Showing 54 of 183 rows. Complete table: theaviationpoint.com/parts/tools/nas965-d/

What each code means

Part	Meaning
TS41CO	Series: Stub, wire gauge sizes
TS40CO	Series: Stub, fractional sizes
TS42CO	Series: Stub, letter sizes
TS18CO	Series: Short, wire gauge sizes
TS10CO	Series: Short, fractional sizes
TS15CO	Series: Short, letter sizes
TS52CO	Series: Long, wire gauge sizes
TS51CO	Series: Long, fractional sizes
TS55CO	Series: Long, wire gauge sizes (as the brochure prints it)
Example	7878173 — #40, short: flute 9/16 in, overall 1 in

Notes

- Inch values are the maker's and are the official ones. Millimetres marked as converted are inches × 25.4.
- Catalogue items linked to this sheet match it by type: the seller's listing does not name this maker, so check the listing before you take a value from here.
- A distributor lists its bits as NAS 965 cobalt, 135° split, 1/4"-28, in the same short lengths as this table for #40, #30, #21 and #11.
- The brochure offers other diameters and lengths on request, and HSCo or solid carbide for the drilling portion.

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SOURCES · Dormer Pramet Precision brochure — Drills Manufactured to National Aerospace Standards, pages 30 to 33 and 37

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

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