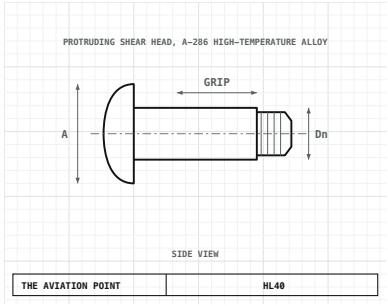
THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

HL40 pin — protruding shear head, A-286 high-temperature alloy

Hi-Lok Pin, Protruding Shear Head, A-286 High Temperature Alloy: dimensions by size, strength and every listed part number.



HL40



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok pin, protruding shear head, A-286
Material	A-286 high-temperature alloy
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	6-32	8-32	10-32
Nominal diameter	1/8	5/32	3/16
A — Head diameter (max / min)	.240 - .225	.262 - .242	.315 - .295
B — Ref. (see drawing)	.294	.312	.325
TD — Threaded-end diameter (max / min)	.1335 - .1310	.1595 - .1570	.1840 - .1810
G — G, ref.	.020	.020	.025
H — H (max / min, see drawing)	.042 - .032	.047 - .037	.055 - .045
Thread	6-32	8-32	10-32
Double shear, lb min	2,840	4,010	5,380
Tension, lb min	1,350	1,940	2,500
Dn — Shank diameter, without coating or solid film lube (max / min)	.1375 - .1370	.1635 - .1630	.1895 - .1890
Dc — Shank diameter, with coating or solid film lube (max / min)	.1375 - .1365	.1635 - .1625	.1895 - .1885

Dimensions as tabulated in the catalogue, by first dash number (nominal diameter). Max - min where a tolerance is shown.

Part numbers

1/8 7 part numbers

Part no.	Max grip, in
HL40-4-2	1/8
HL40-4-3	3/16
HL40-4-4	1/4
HL40-4-5	5/16
HL40-4-6	3/8
HL40-4-7	7/16
HL40-4-8	1/2

5/32 7 part numbers

Part no.	Max grip, in
HL40-5-2	1/8
HL40-5-3	3/16
HL40-5-4	1/4
HL40-5-5	5/16
HL40-5-6	3/8
HL40-5-7	7/16
HL40-5-8	1/2

3/16 7 part numbers

Part no.	Max grip, in
HL40-6-2	1/8
HL40-6-3	3/16
HL40-6-4	1/4
HL40-6-5	5/16
HL40-6-6	3/8
HL40-6-7	7/16
HL40-6-8	1/2

How to read the part number

Part	Meaning
Format	HL40-<dash>
Example	HL40-4-2 — 1/8 nominal diameter, max grip 1/8 in

Notes

- 1/16 in grip variation.
- Approved data governs. Use the pin the drawing, SRM or IPC calls for.
- Grip: the number after the second dash is the max grip in 1/16 in (dash -2 = 1/8 in, -3 = 3/16 in, and so on). Maximum-minimum values are shown as max - min.
- Collars listed for this pin in the catalogue quick-reference chart: HL70, HL79, HL82, HL94, HL97, HL297.

SOURCES · HL40 — Hi-Lok Pin, Protruding Shear Head, A-286 High Temperature Alloy

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl40/

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

THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM