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

TYE102 — thru-bolt panel insert, plug and sleeve, aluminum alloy

Panel Insert, 102 Series, Thru Bolt, Plug and Sleeve: part numbers and the sizes commonly stocked.

Specification

Item	Value
Type	Panel insert, thru bolt
Material	Aluminum alloy (material code 0)
Status	Manufacturer data, not a government standard.

Part numbers

#10 11 part numbers

Part no.	Part type	Head style	G (plug) or H (sleeve) height, in	Hole diameter, in
TYEP102C10-0	Plug	Flush, countersunk hole	.085	.194
TYEP102D10-0	Plug	Flush	.085	.194
TYEP102D10-1	Plug	Flush	.116	.194
TYEP102F10-0	Plug	Non-flush	.085	.194
TYES102D10-04	Sleeve	Flush	.165	.194
TYES102D10-06	Sleeve	Flush	.290	.194
TYES102D10-08	Sleeve	Flush	.415	.194
TYES102D10-10	Sleeve	Flush	.540	.194
TYES102F10-04	Sleeve	Non-flush	.165	.194
TYES102F10-06	Sleeve	Non-flush	.290	.194
TYES102F10-08	Sleeve	Non-flush	.415	.194

How to read the part number

Part	Meaning
Format	TYE{P|S}102{C|D|F}<size>-<length>
P	Letter: Plug
S	Letter: Sleeve
C	Letter: Flush head, countersunk hole
D	Letter: Flush head
F	Letter: Non-flush head
Example	TYES102F10-06 — Sleeve, non-flush head, #10 thru bolt, sleeve length dash -06

Notes

- Two part numbers are required: sleeve and plug. Select the dash numbers of each from the thickness closest to the panel being used (Table B of the manufacturer data).
- Table A, hole, body, head and countersink diameters: size 8: .169, .278, .500, .332; size 10: .194, .309, .625, .382; head angle 13°.
- Table B (overall panel thickness): plug -0 = .085, plug -1 = .116; sleeve -04 = .165, -06 = .290, -08 = .415, -10 = .540, -12 = .665.
- The manufacturer also lists a second part number for each item; it is not reproduced here.

SOURCES · TYE102 — Panel Insert, 102 Series, Thru Bolt, Plug and Sleeve

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/inserts/tye102/

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