

TECH NOTE

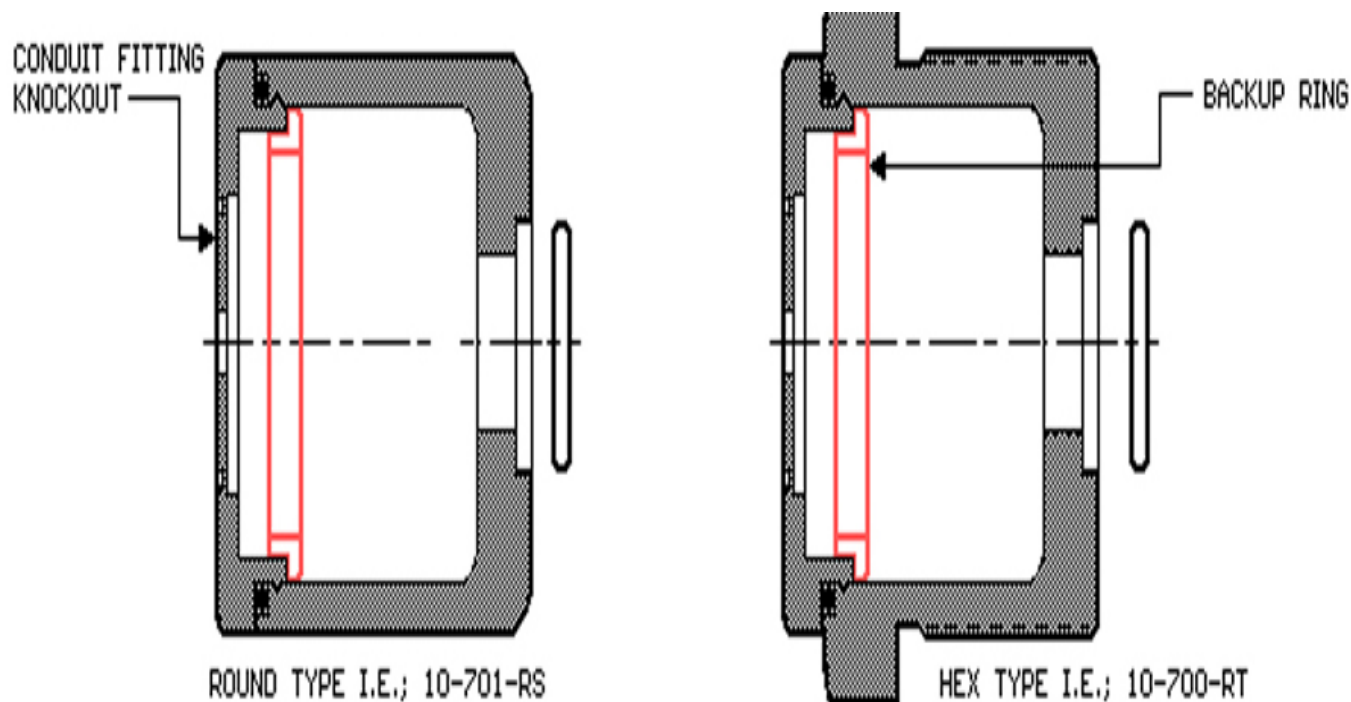
TN-104 – Receptacle Cap Attachment/Detachment

The caps of the ERECTA SWITCH 1-1/4 hex and round receptacles are attached by a snap lock ridge and relief scheme molded into the parts. A separate "backup ring" part is included and is necessary to reliably secure the cap.

Applications which use the 1/2" knockout feature to attach conduit fittings or wiring accessories must isolate weight and stress loads from the cap attachment by including an external clamp in their installation.

The initial cap detachment force, applied perpendicular to the assembly axis, is greater than 30 PSI. Successive attachment/detachment cycles of the Kynar and Polypropylene versions may reduce this to as low as 25 PSI. The force required to attach the cap is approximately double the force necessary to detach the cap. A plier-type attachment tool is planned as a future ERECTA SWITCH product addition.

A screwdriver slot is provided at the cap/receptacle interface to facilitate cap removal. Care should be taken while prying the cap off so as to avoid scarring O-ring sealing surfaces.



Cap attachment cross-sections. Left: Round type (10-701-RS) with conduit fitting knockout. Right: Hex type (10-700-RT) with backup ring.