STANDARDS

1.S.E.M.C. cable glands are manufactured and tested to the requirements of BS 6121 and other standards where applicable.

2.The outer sheath seals in S.E.M.C. have a wider range than required by BS 6121, due to superior design.

3.Certain glands in our range while not covered by BS 6121 are generally made and tested to this standard as appropriate.

MATERIALS AND FINISHES

Flameproof & Industrial cable glands are manufactured as standard in brass (BS 2874) which is suitable for the majority of applications; therefore, plated finishes,e.g. nickel, etc can be supplied to customer specification.

ENTRY THREADS

1.Metric*1.5 mm pitch is the standard (up to size M75), Imperial thread forms are also available. The following table gives the more popular thread forms available(the table is not a size for size comparison chart, some taper threads,e.g. NPT, may require larger than standard entry components to accommodate taper dimensions).

S.E.M.C. Size Ref.	Metric BS 3643	Imperial Coduit BS 31	Pg DIN 40430	NPT USAS B2.1	BSP BS 2779
Os/O	20/16	3/4"	13.5	1/2"	1/2"
A	20	3/4"	16	3/4"	3/4"
B	25	1"	21	1"	1"
C	32	1¼"	29	1¼"	1¼"
C2	40	1½"	36	1½"	1½"
D	50	2"	42/48	2"	2"
E	63	2½"	-	2½"	2½"
F	75	3"	-	3"	3"

2.The length of entry thread is shown with other dimensions for each gland. Body lengths are within BS 6121. Full details on request.

3.All S.E.M.C. metal glands manufactured without entry thread undercuts.

4.Entry into Exd flameproof equipment must be threaded, no clearance holes are permitted. The thread engagement of threaded joints shall be as detailed in the relevant standard, e.g. BS 5501: Pt.5 (IEC 60079-1) for Flameproof cable glands

ENTRY STOPPING

All entries into Exd and Exe apparatus must be fitted with appropriate cable entry device. Unused entries must be plugged with a component, which is accepted with the apparatus certificate,or as an approved component in its ownright.

MARKING

All S.E.M.C. cable glands are Marked with the type, size, entry thread size and type, and the relevant approval details (if applicable) e.g. :
S.E.M.C. 453 A 20mm Exd II BAS Ex98D1229U.

EARTHING

1.For electrical continuity the screwed entry is normally sufficient with metal boxes.
For other purposes it maybe necessary to provide a link to other apparatus and an earthtag is then placed between the gland and the apparatus into which it is screwed.
it is essential to ensure metal to metal contact is achieved between equipmend/earth tag and the gland. This must not reduce thread engagement below specification requirement.
(see note 4 under Entry Threads).

2.Where very heavy fault current can be anticipated, a gland entry portion incorporating an intrgral lug can be supplied.

3.Insulated adapturs are available for installation where it is necessary to avoid connection between the cable armour and earth at one end of the route, e.g. the break in an earth loop that can otherwise genrate spurious signals.

4.It is sometimes required to earth cable armour and core screens separately.
In this situation drain wires must be insulated where they are passed throug the gland body, by means of shrink tubing in the dase of barrier glands.
An alternative id to terminate the screens at the crutch of the cable and use an insulated conductor through the gland body, crimped to the collected screens.

IMPORTANT ADVICE

The dimension of cable may vary with cable manufacturing tolerances. We do advise the actual cable diameter is measured where possible before purchasing glands . The recommendations here are given in good faith but S.E.M.C. can not be held liable for mistakes in selection however caused .