

SC Heavy Duty



Technical Specification

Material :	Brass (IS-319) Standard (Al. / S.S. / M.S. also available)
Plating :	Nickle Plated Standard (Chrome also available)
Entry Threads :	Metric Threads with 1.5 pitch as per IS 4218 standard
Sealing Rubber Ring :	Synthetic / Natural
Gland Standard :	IS 12943:1990
Ingress Protection :	IP 60 as per IS 12063

Application

Single Compression Glands are weather proof and dust proof (IP-60) which can be used in normal climatic condition. Also when protected by PVC shrouds it can be used in corrosive atmosphere.

These glands are available in different sizes and are suitable for all cables upto 1000 sq. mm. and control cables upto 61 cores.

Designation

Single Compression Glands are designated as below :

SCGn, where

SC	Single Compression
G	Gland
n(n=1, 2,.....20)	Gland Size For eg.(SCG1, SCG2,..... SCG20)

Accessories

PVC Shroud, Earth Tag, Stopping Plug, Reducer, Adaptor, etc. are available with specified dimensions in accordance to the Gland separately.

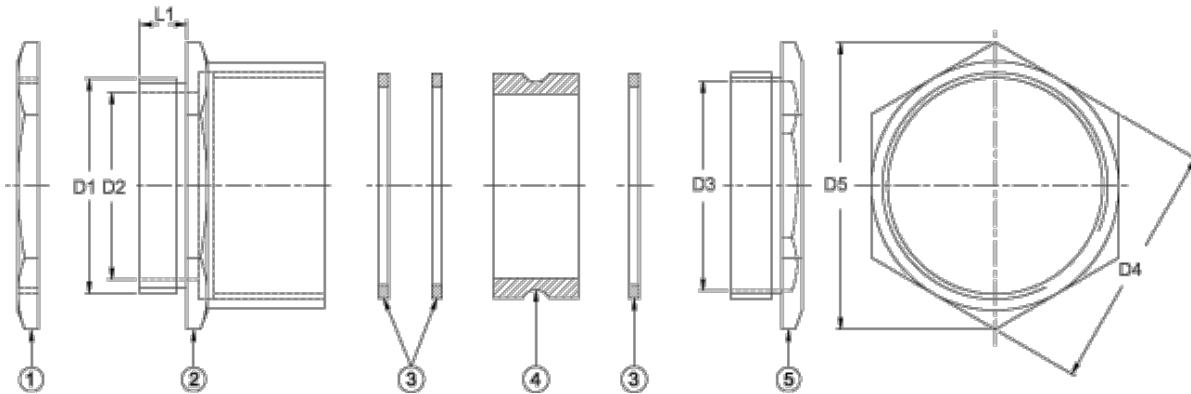
Fitting Sequence:

- (a) Pass the Compression Nut (Part-5), one Metal Washer (Part-3) & Outer Seal Ring (Part-4) /in succession order over the outer sheath of the cable before commencing to strip the cable
- (b) Remove the outer sheath to the desired length depending on the length of the beds required.
- (c) Pass the 2nd Metal Washer (Part-3) over the exposed armour and then splay out the armour wire one by one. Now cut

the armour wire according to the size of the metal washer and bend the same,pass the 3rd Metal Washer (Part-3) over the inner sheath and place it over the bended armour ,so that the armour wires are now secure between the two Metal Washer.

- (d) Push the assembly through the Gland Body (Part-2)and tighten the Compression Nut(Part-5).While doing so the outer seal ring will expand in radial direction and will grip the cable.This will ensure dust proof entry of the cable.
- (e) Finally apply the fitted gland assembly to the extreme with the entry thread provided,if the enclosure does not have threaded entry than tight the gland assembly with the Check Nut (Part-1).

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1. Check Nut	2. Glad Body	3. Metal Washer	4.Metal Washer	5. Outer Sealing
6.Metal Washer	7. Compression Nut			

Table

Suitable Cable Overall Dia	Size Code	D1 Nipple Entry Thread in Metrics	D2 Dia.	D3 Dia.	D4(A/F)	D5 (A/C)	L1 Length
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	From	To	SCG	mm	Å mm	Å mm	mm	mm	mm
	9.0	12.0	SCG 1	16 x 1.5	12.0	16.0	22.0	25.5	9.0
	12.0	15.0	SCG 2	16 x 1.5	12.0	18.5	25.0	29.0	9.0
	12.0	15.0	SCG 3	20 x 1.5	15.0	18.5	25.0	29.0	9.0
	15.0	18.0	SCG 4	20 x 1.5	15.0	24.0	30.0	34.5	9.5
	16.0	20.0	SCG 5	25 x 1.5	20.5	24.0	31.5	36.0	9.0
	20.0	24.0	SCG 6	25 x 1.5	20.5	28.5	35.0	40.0	10.0
	24.0	28.0	SCG 7	32 x 1.5	27.0	33.0	40.0	46.0	12.0
	28.0	32.0	SCG 8	40 x 1.5	34.0	37.0	46.0	53.0	12.0
	33.0	37.0	SCG 9	40 x 1.5	34.0	41.0	50.0	57.5	12.0
	37.0	42.0	SCG 10	50 x 1.5	44.0	47.0	58.0	67.0	13.0
	43.0	48.0	SCG 11	50 x 1.5	44.0	52.0	65.0	75.0	13.0
	49.0	54.0	SCG 12	63 x 1.5	55.0	61.5	73.0	84.0	14.0
	55.0	60.0	SCG 13	63 x 1.5	55.0	65.0	77.0	89.0	14.0
	61.0	66.0	SCG 14	75 x 1.5	68.0	71.0	85.0	98.0	15.0
	67.0	72.0	SCG 15	75 x 1.5	67.0	76.0	90.0	104.0	15.0
	73.0	78.0	SCG 16	82 x 1.5	73.0	82.0	97.0	112.0	17.0
	79.0	84.0	SCG 17	90 x 1.5	81.0	91.0	108.0	124.0	19.0
	84.5	92.0	SCG 18	100 x 1.5	91.0	98.0	117.0	135.0	20.0
	93.0	100.0	SCG 19	110 x 1.5	100.0	107.0	127.0	146.0	25.0
	101.0	115.0	SCG 20	125 x 1.5	113.0	118.0	142.0	164.0	25.0