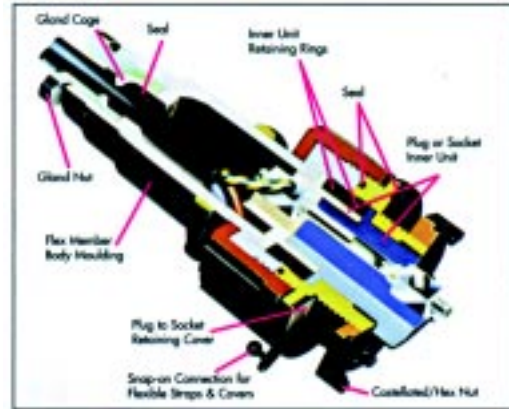


HYDROCON Standard Sealed Connectors



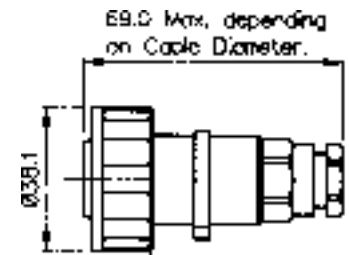
Ratings:	2 & 3 Pole 4 Pole 6 & 7 Pole 9 Pole 25 Pole	10A 250V AC/DC 6A 250V AC/DC 3A 250V AC/DC 5A 150V AC/DC 1A 50V AC/DC
Contact Resistance:	<10m Ohms (2-9 Pole) <5m Ohms (25 Pole)	
Insulation Resistance:	>10 ⁴ M Ohms @ 500V DC (2-9 Pole)	
AC Breakdown Voltage:	4kV Pole - Pole 6kV Poles - Panel 7.5kV Poles - Panel	(2-9 Pole) (Low Profile Flange & Chassis Types 2-9 Pole) (Other Types 2-9 Pole)
Operating Temp Range:	-20°C to +70°C	
Sealing:	IP68, BS 5490 : 1977 BS 60529 : 1992	Tested@ 15lbs/sq. in. (10m depth) for 2 weeks Tested@ 150lbs/sq. in. (100m depth) for 12 Hrs
Materials: Body Moulding & Inserts:	Glass Filled Nylon, UL94HB Nylon, UL94VO	(2-9 Pole) (25 Pole Inserts)
Contacts:	Brass, Nickel Plated Copper Alloy, Tin Plated Copper Alloy, Gold Plated 0.1mm on Nickel	(2-7 Pole) (9 Pole) (25 Pole)
BNC Inserts:	Brass, Nickel Plated	
BNC Contacts:	Brass, Silver Plated	
Cable Acceptance:	6-8mm Overall diameter 3.5-5mm Overall diameter 5-7mm Overall diameter 7-9mm Overall diameter 50 Ohms - RG58/CU, URM43, URM76 75 Ohms - URM70	Standard 2-9 Pole, Optional 25 Pole Optional 2-9 Pole, Optional 25 Pole Optional 2-9 Pole, Optional 25 Pole Optional 2-9 Pole, Standard 25 Pole BNC BNC
Terminations:	Screw Terminal Crimp Contacts (24--26AWG) Crimp and Solder Contact (24-28AWG) Crimp	2-7 Pole 9 Pole 25 Pole BNC
Approvals:	CSA, UL, VDE Reg.-Nr. 1549	
Tightening Torques		
Flex mounting/In-Line:	Gland nut: 1.13Nm (10lbf.in.)	
Panel/Chassis Mounting:	Rear fixing nut: 1.7Nm (15lbf.in.)	
Surface/Bulkhead and Low Profile Flange Mounting:	4 fixing screws (using supplied washers) 0.34Nm (3lbf.in.)	
Sealing Caps/Locking Ring:	1.13Nm (10lbf.in.)	

HYDROCON Standard Sealed Connectors



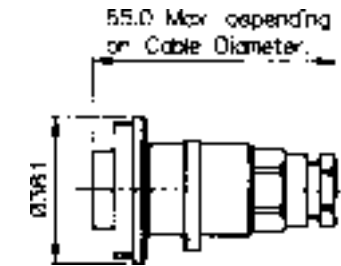
Flex Mounting

Number of Poles	HydroCon Part Number	
	Plug	Socket
2	HPX0736/P	HPX0736/S
3	HPX0731/P	HPX0731/S
4	HPX0748/P	HPX0748/S
6	HPX0739/P	HPX0739/S
7	HPX0745/P	HPX0745/S
9*	HPX0728/P	HPX0728/S
25**	HPX0820/P	HPX0820/S
50Ohm BNC	HPX0742/P/50Ohm	
75Ohm BNC	HPX0742/P/75Ohm	



Flex Mounting In-Line Connector

Number of Poles	HydroCon Part Number	
	Plug	Socket
2	HPX0737/P	HPX0737/S
3	HPX0732/P	HPX0732/S
4	HPX0749/P	HPX0749/S
6	HPX0740/P	HPX0740/S
7	HPX0746/P	HPX0746/S
9*	HPX0729/P	HPX0729/S
25**	HPX0821/P	HPX0821/S
50Ohm BNC		HPX0743/S/50Ohm
75Ohm BNC		HPX0743/S/75Ohm



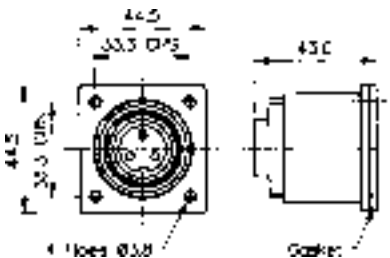
Chassis Mounting

Number of Poles	HydroCon Part Number	
	Plug	Socket
2	HPX0735/P	HPX0735/S
3	HPX0730/P	HPX0730/S
4	HPX0747/P	HPX0747/S
6	HPX0738/P	HPX0738/S
7	HPX0744/P	HPX0744/S
9*	HPX0727/P	HPX0727/S
25**	HPX0822/P	HPX0822/S
50Ohm BNC		HPX0741/S/50Ohm
75Ohm BNC		HPX0741/S/75Ohm



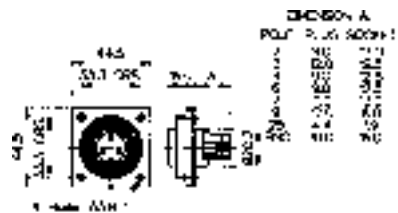
Bulkhead/Surface Mounting Flex

Number of Poles	HydroCon Part Number	
	Plug	Socket
2	HPX0735/P	HPX0735/S
3	HPX0730/P	HPX0730/S
4	HPX0747/P	HPX0747/S
6	HPX0738/P	HPX0738/S
7	HPX0744/P	HPX0744/S
9*	HPX0727/P	HPX0727/S
25**	HPX0822/P	HPX0822/S
50Ohm BNC		HPX0741/S/50Ohm
75Ohm BNC		HPX0741/S/75Ohm



Low Profile Flange Mounting

Number of Poles	HydroCon Part Number	
	Plug	Socket
2	HPX0764/P	HPX0764/S
3	HPX0765/P	HPX0765/S
4	HPX0766/P	HPX0766/S
6	HPX0767/P	HPX0767/S
7	HPX0768/P	HPX0768/S
9*	HPX0769/P	HPX0769/S
25**	HPX0824/P	HPX0824/S
50Ohm BNC		HPX0763/S/50Ohm
75Ohm BNC		HPX0763/S/75Ohm



* Crimp Pins and Sockets supplied loose with Connector (Contact EuroComp for BNC Crimp Tools and Assembly Mandrel)

** Pins supplied in packs of 10: Crimp Pins **HSA3180**, Crimp Sockets **HSA3179**, Solder Pins **HSA3180/1**, Solder Sockets **HSA3179/1**. Insertion and Extraction Tool - **HPN13027**. Crimp Tool - **HPN13170**.

HYDROCON Standard Sealed Connectors



25 way Inserts (Assembled)



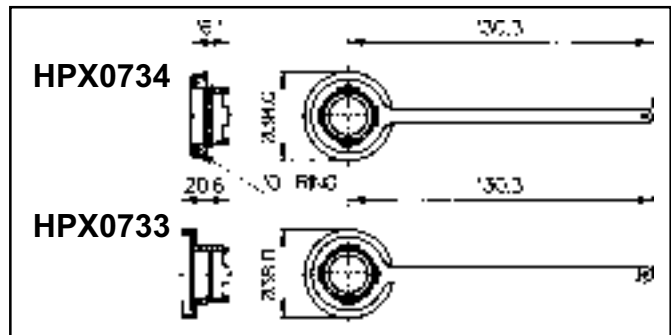
BNC Inserts

Cap Assembly Tools

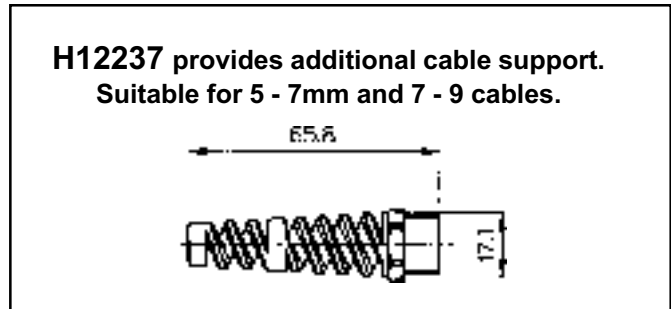


HPX0733
fits all other
types

HPX0734
for Flex
Mounting
Types



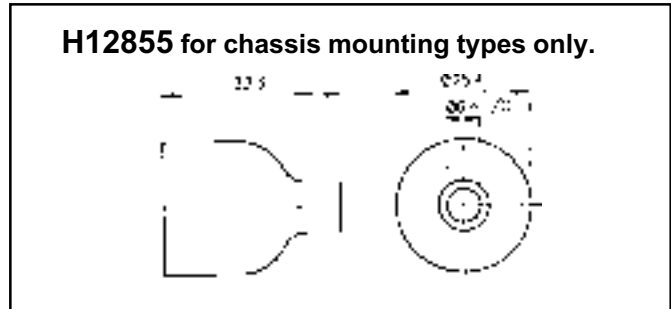
H12237
Cable Support Accessory



H12237 provides additional cable support.
Suitable for 5 - 7mm and 7 - 9 cables.



H12855
Boot for Chassis Mounting



H12855 for chassis mounting types only.



H13027
Insertion and Extraction Tool
for 25 way only

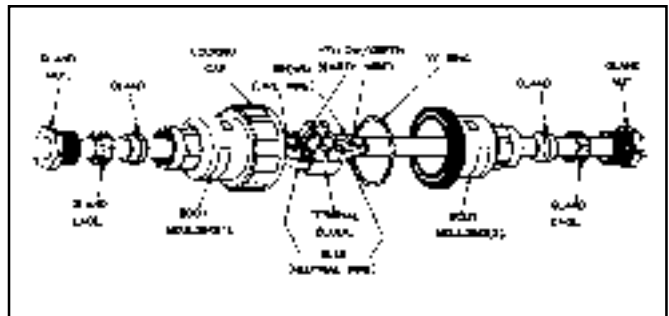
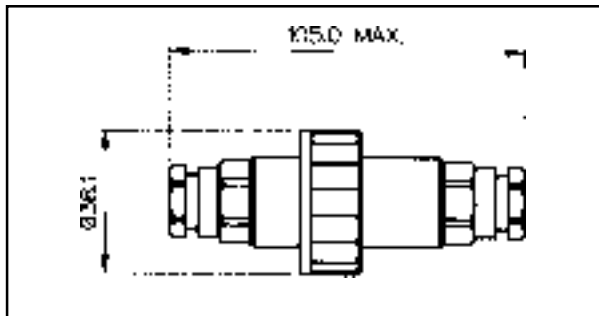
Cable Acceptance (2-25 Pole)	HydroCon Part Number To Order Glands Separately
(Standard w/2-9 Pole Connectors) O.D. of Cable = 6 - 8mm	H12023 (Black)
HydroCon #/04 O.D. of Cable = 3.5 - 5mm	H12023/5 (Grey)
HydroCon #/05 O.D. of Cable = 5 - 7mm	H12023/1 (White)
HydroCon #/07 (Standard w/25 Pole Connectors) O.D. of Cable = 7 - 9mm	H12023/2 (Yellow)
<i>Example: HPX0731/P/07 = Cable acceptance O.D. 7-9mm</i>	

HYDROCON Sealed In-Line Cable Joiner



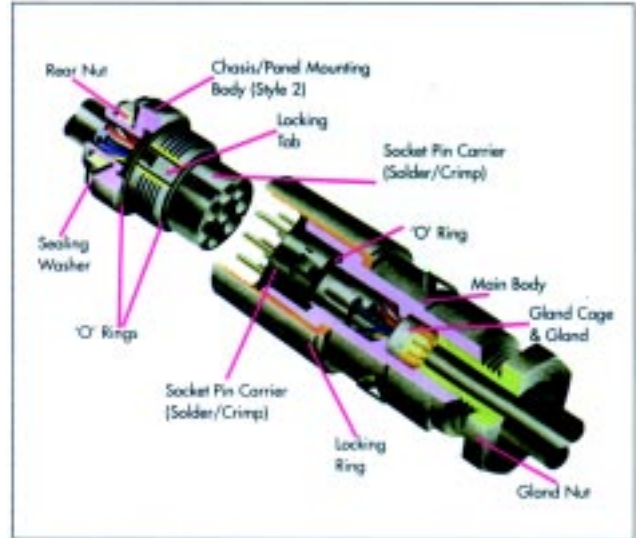
Cable Acceptance	HydroCon Part Number To Order Glands Separately
Standard (HPX0777) O.D. of Cable = 6 - 8mm	H12023 (Black)
HPX0777/04 O.D. of Cable = 3.5 - 5mm	H12023/5 (Grey)
HPX0777/05 O.D. of Cable = 5 - 7mm	H12023/1 (White)
HPX0777/07 O.D. of Cable = 7 - 9mm	H12023/2 (Yellow)

Example: HPX0777/07 = Cable acceptance O.D. 7-9mm



Data	
Rating:	6A 250V AC
Wire Termination:	3 way terminal block
Cable Acceptance:	6 - 8 Overall Diameter Standard 3.5 - 5mm, 5-7mm & 7 - 9mm Overall Diameter available w/optional glands (see chart above)
Sealing:	IP68 to BS60529 : 1977
Operation Temperature Range:	-20 Degrees C to +70 Degrees C
Color:	HPX0777 = Black (Standard) HPX0777/OR = Orange
BNC Cable Types:	50 Ohm - RG58/CU, URM43 & URM76 For BNC Version - order HPX0777/50Ohm

HYDROCON Mini Sealed Connectors



Ratings:	Solder & Crimp Contacts: 5A 380V AC Screw Terminals: 10A 250V AC
Contact Resistance:	<5m Ohms
Insulation Resistance:	>10 ⁶ M Ohms @ 500V DC
Voltage Proof:	2kV @ 50Hz
Operating Temp Range:	-20°C to +70°C
Sealing:	IP68, BS EN60529 : 1992 (Protection Classification)
Materials:	
Body Moulding & Carriers:	Nylon, UL94VO
Contacts:	Copper Alloy, Gold Plated, 0.1mm on Nickel
BNC Types:	Brass, Silver Plated
Screw Terminal Contacts:	Brass, Nickel Plated
Cable Acceptance:	5-7mm Overall diameter Standard (see chart on page 4) 3.5-5mm Overall diameter Optional 6-8mm Overall diameter Optional 7-9mm Overall diameter Optional Example: HPX0777/07 = Cable acceptance O.D. 7-9mm
Conductors:	Solder & Crimp: 0.2 - 0.5mm ² (20 - 24 AWG) 50 Ohms - RG58/CU, URM43, URM76 BNC 75 Ohms - URM70 BNC Screw Terminal: 1mm ² max. (18 AWG)
Typical Insertion Force:	Solder & Crimp contacts: 3 Way - 1.1lbf 8 Way - 3.1 lbf Screw Terminal: 10lbf (44.4N)
Typical Extraction Force:	Solder & Crimp contacts: 3 Way - 1.1lbf 8 Way - 2.6lbf Screw Terminal: 7lbf (31N)
Tightening Torques	
Flex mounting/In-Line:	Gland nut: 0.23Nm min. - 0.45Nm max. (2lbf.in. - 4lbf.in.)
Panel/Chassis/Side Entry:	Rear nuts: 0.7Nm min. - 1.7Nm max. (6.2lbf.in. - 15lbf.in.)
Sealing Caps/Locking Ring:	0.23Nm min. - 1.13Nm max. (2lbf.in. - 10lbf.in.)

