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# HD Series



# HD Series

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HD10 Series **40**



HD30/HDP20 Series **46**

# HD Series

## HD10 Series



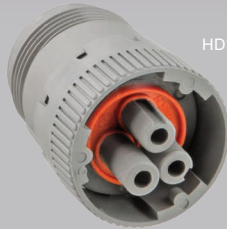
HD16-9-16S

HD10-3-96P



HD14-9-16P

HD16-3-96S



- Environmentally sealed – IP68, IP6K9K, when installed to manufacturer's specifications.
- Cylindrical thermoplastic design.
- Available either in-line or flanged.
- Quick connect/disconnect bayonet coupling.
- Resistant to most fluids in industrial applications.
- Commonly used for diagnostic applications.
- Available in kits containing all components required to make both sides of a connection.

Housing :	Thermoplastic
Seal :	Silicone Rubber
Shock :	50G
Vibration :	20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94
Ingress Protection :	IP68, IP6K9K
Operating Temperature :	-55°C to 125°C

### Part Numbering System

HD 10 - 9 - 96 P E - B009

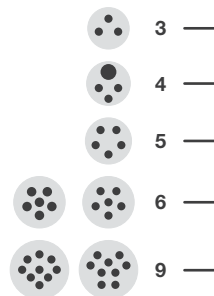
Series Prefix :  
HD Series – **HD**

Connector Style :  
Square Flange Receptacle – **10**

In-line Receptacle – **14**

Plug – **16**

Shell Size / Number of Cavities :



Special Modifications :

- blank** – No modification.
- B009** – No standard keying. No rear thread.
- B010** – Standard coupling ring. Only for HD16-6-12S.

For a complete list of special modifications see page 115–119

Wire Seal Options :

- blank** – Normal. For use with standard insulation wire.
- E** – Extra thin. Designed specifically for Extra thin wall wire.

Contact Type :

- P** – Pins
- S** – Sockets

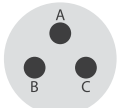
Insert Arrangement :

- 4, 12, 96, 1939** – Threaded Rear
- 16** – Non-Threaded Rear



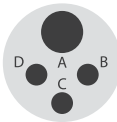
## Shell Size / Number of Cavities

HDXX-3-16/3-96-XX



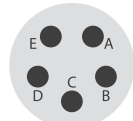
3 x size 16  
E

HDXX-4-4-XX



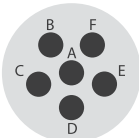
1 x size 4,  
3 x size 16

HDXX-5-16-XX



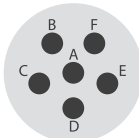
5 x size 16

HDXX-6-12-XX



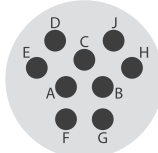
6 x size 12

HDXX-6-96-XX



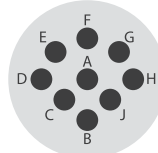
6 x size 16

HDXX-9-16-XX



9 x size 16

HDXX-9-96-XX



9 x size 16

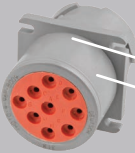
E

For details on contacts & further options see page 98

### Popular HD10 Series Special Modification

**B009**

Raised keying removed from front of receptacle flange.  
No rear thread.



HD10-9-96P-B009  
No raised keying.  
No rear thread.



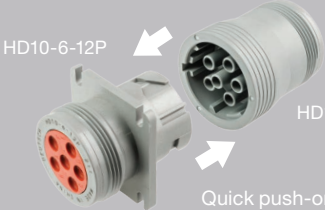
Standard  
HD10-9-96P

**B010** (exclusive to the HD16-6-12S)

The HD16-6-12S does not come with the standard HD10 coupling ring.  
If the standard HD10 coupling ring is required order the HD16-6-12S-B010.

The B010 part number suffix **only** applies to HD16-6-12S

HD16-6-12S-B010  
Standard coupling ring.



HD10-6-12P  
HD16-6-12S

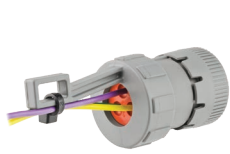
Quick push-on/pull-off.  
No twist action required.

HD16-6-12S  
No coupling ring.  
Push-on/pull-off design for use where non-permanent, quick connect/disconnect is required.

For a complete list of special modifications see page 115-119



# HD Series



HD18-003

HD18-006

HD18-009



HDC14-3

HDC14-6

HDC14-9



HDC16-3

HDC16-5

HDC16-6

HDC16-9



HD10-3BT



HD10-9BT



HDB30-18



HD30-18-BT



HD10-9-GKT



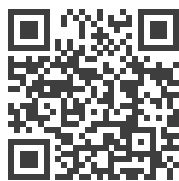
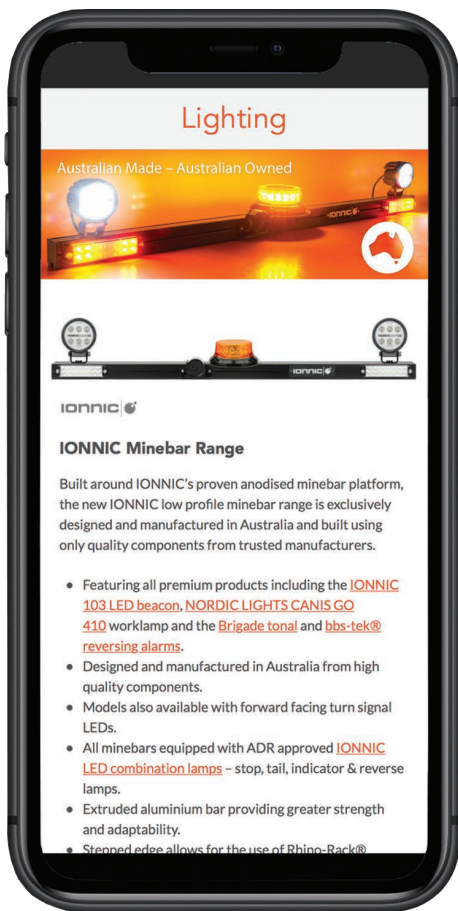
JDL082397

## HD10 Series – Accessories

Part No.	Description	Shell Size	Suits
<b>HD18-003</b>	Strain Relief	3	All HD10 Series
<b>HD18-006</b>	Strain Relief	6	All HD10 Series
<b>HD18-009</b>	Strain Relief	9	All HD10 Series
<b>HDC14-3</b>	Protective Cap	3	Plugs
<b>HDC14-6</b>	Protective Cap	6	Plugs
<b>HDC14-9</b>	Protective Cap	9	Plugs
<b>HDC16-3</b>	Protective Cap	3	Receptacles
<b>HDC16-5</b>	Protective Cap	5	Receptacles
<b>HDC16-6</b>	Protective Cap	6	Receptacles
<b>HDC16-9</b>	Protective Cap	9	Receptacles
<b>HD10-3BT</b>	Insulator – Grey – 80mm	3	All HD10 Series
<b>HD10-9BT</b>	Insulator – Grey – 80mm	9	All HD10 Series
<b>HDB30-18</b>	Insulator – Grey – 150mm	6 & 9	All HD10 Series
<b>HD30-18-BT</b>	Insulator – Grey – 80mm	6 & 9	All HD10 Series
<b>HD10-9-GKT</b>	Mounting Gasket	9	Flange Receptacles
<b>JDL082397</b>	Lanyard	9	All HD10 Series & all Protective Caps

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### Safety



**BRIGADE**

#### Backsense® Network Radar with OSD Kit

Brigade's Backsense® Network Radar System is the next generation of radar-based obstacle detection. Due to the number of complex blind spots on a vehicle, a single radar cannot always provide the detection required and numerous in-cab displays for multiple radars can be more of a distraction than a benefit.

The Brigade Backsense® Network Radar with OSD Kit allows for the use of 2 Backsense® Network Radar sensors to be combined with any Brigade Backeye® camera system.

Radar detection data is overlaid transparently along the edge of the monitor so as not to obscure the camera image, with the audible warning via the monitor speakers.

- Overlay detection data for up to 2 radar sensors on a single monitor.
- Complies with CAN 2.0A Base Frame Format.
- Detects multiple moving and stationary objects.
- High frequency continuous wave provides increased reliability & low false alarm rates.
- Adjustable detection range up to 30m.
- 3 trigger inputs used for activating components such as alarms and beacons.
- Environmentally sealed sensor – IP69K
- Sensor can be steam & pressure cleaned.
- Multi-voltage.
- 3 year warranty.

### Electrical



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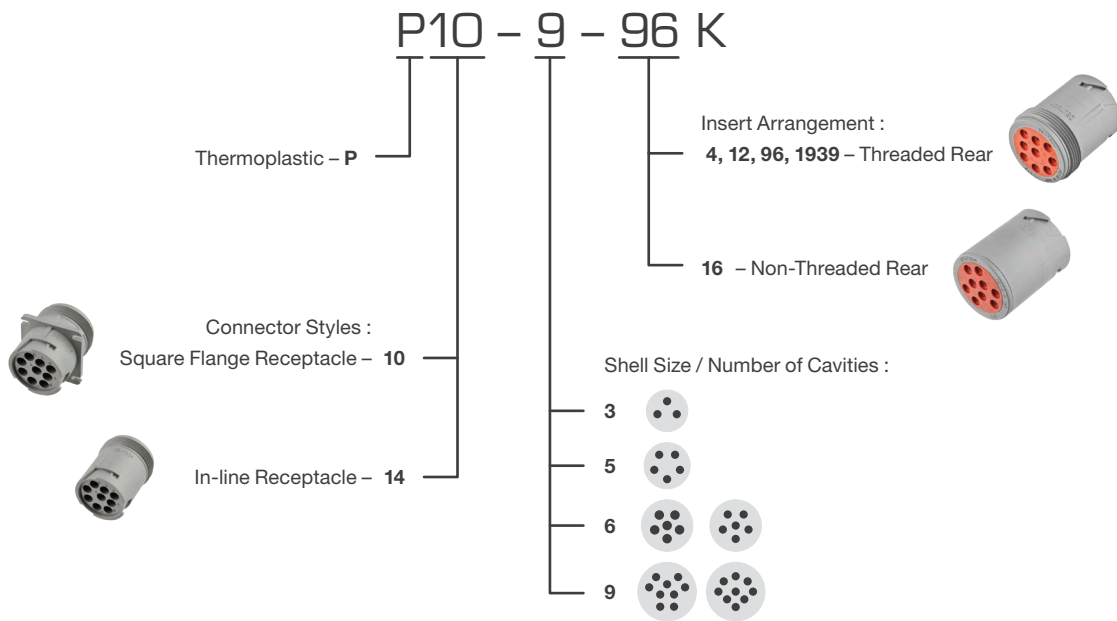
# HD Series

## HD10 Series Kits

Kits contain all components required to make both sides of a connection.



## HD10 Series Kit Numbering System



## 1939 Special Modification

The P10-9-1939K kit contains connectors with the 1939 modification, keyed and with a black housing.



## HD10 Series Kits

	Wire Seal	Threaded Rear	Receptacle	Part No.	Kit Contents
 <p><b>3 x size 16</b></p>	Normal	Threaded Rear	Square Flange	<b>P10-3-96K</b>	1 x Receptacle (HD10-3-96P) 1 x Plug (HD16-3-96S) 4 x Pin – Solid (0460-215-16141) 4 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 2 x Cavity Plug (114017)
		Threaded Rear	In-line	<b>P14-3-96K</b>	1 x Receptacle (HD14-3-96P) 1 x Plug (HD16-3-96S) 4 x Pin – Solid (0460-215-16141) 4 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 2 x Cavity Plug (114017)
 <p><b>5 x size 16</b></p>	Normal	Non-Threaded Rear	Square Flange	<b>P10-5-16K</b>	1 x Receptacle (HD10-5-16P) 1 x Plug (HD16-5-16S) 6 x Pin – Solid (0460-215-16141) 6 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)
			In-line	<b>P14-5-16K</b>	1 x Receptacle (HD14-5-16P) 1 x Plug (HD16-5-16S) 6 x Pin – Solid (0460-215-16141) 6 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)
 <p><b>6 x size 12</b></p>	Normal	Threaded Rear	Square Flange	<b>P10-6-12K</b>	1 x Receptacle (HD10-6-12P) 1 x Plug (HD16-6-12S) 7 x Pin – Solid (0460-204-12141) 7 x Socket – Solid (0462-203-12141) 1 x Removal Tool (114010) 4 x Cavity Plug (114017)
 <p><b>6 x size 16</b></p>	Normal	Threaded Rear	Square Flange	<b>P10-6-96K</b>	1 x Receptacle (HD10-6-96P) 1 x Plug (HD16-6-96S) 7 x Pin – Solid (0460-215-16141) 7 x Socket – Solid (0462-209-16141) 1 x Removal Tool (114010) 4 x Cavity Plug (114017)
 <p><b>9 x size 16</b></p>	Normal	Non-Threaded Rear	Square Flange	<b>P10-9-16K</b>	1 x Receptacle (HD10-9-16P) 1 x Plug (HD16-9-16S) 10 x Pin – Solid (0460-215-16141) 10 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)
			In-line	<b>P14-9-16K</b>	1 x Receptacle (HD14-9-16P) 1 x Plug (HD16-9-16S) 10 x Pin – Solid (0460-215-16141) 10 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)
 <p><b>9 x size 16</b></p>	Normal	Threaded Rear	Square Flange	<b>P10-9-96K</b>	1 x Receptacle (HD10-9-96P) 1 x Plug (HD16-9-96S) 10 x Pin – Solid (0460-215-16141) 10 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)
			In-line	<b>P14-9-96K</b>	1 x Receptacle (HD14-9-96P) 1 x Plug (HD16-9-96S) 10 x Pin – Solid (0460-215-16141) 10 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)
	Extra Thin	Threaded Rear	Square Flange	<b>P10-9-1939K</b>	1 x Receptacle (HD10-9-1939PE) 1 x Plug (HD16-9-1939SE) 10 x Pin – Solid (0460-215-16141) 10 x Socket – Solid (0462-209-16141) 1 x Removal Tool (0411-310-1605) 4 x Cavity Plug (114017)





# HD Series

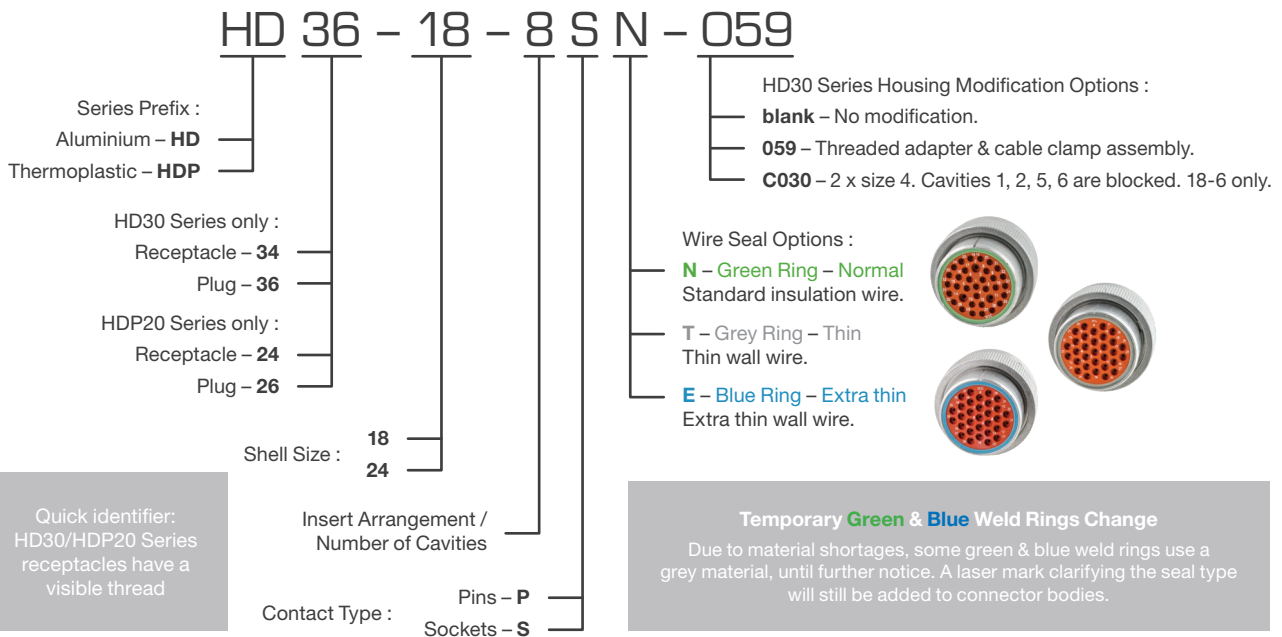
HD30/HDP20 Series



- Environmentally sealed – IP67, when installed to manufacturer’s specifications.
- Designed specifically for the truck, bus, mining and construction industry.
- Available in aluminium (HD30) or thermoplastic housings (HDP20).
- Multiple pin configurations that accept contact sizes 4 through 20.
- Quick connect/disconnect bayonet coupling.
- HD30 and HDP20 series are cross compatible.
- Resistant to most fluids in industrial applications.
- Available in kits containing all components required to make one side of a connection.

Housing :	HD30	Aluminium
	HDP20	Thermoplastic
Seal :		Silicone Rubber
Shock :		50G
Vibration :		20G rms 10 – 2000Hz
Approvals :	20mm Flame Test per Standard UL-94	
Ingress Protection :		IP67
Operating Temperature :		-55°C to 125°C

## Part Numbering System



## Recommended Wire Insulation O.D.

Contact Size	N – Normal Seal – Green Ring		T – Thin Seal – Grey Ring		E – Extra Thin Seal – Blue Ring	
	Inches	mm	Inches	mm	Inches	mm
20	0.040 – 0.095	1.02 – 2.41	0.040 – 0.095	1.02 – 2.41	0.040 – 0.095	1.02 – 2.41
16	0.100 – 0.134	2.54 – 3.40	0.088 – 0.134	2.23 – 3.40	0.053 – 0.120	1.35 – 3.05
12	0.134 – 0.170	3.40 – 4.32	0.113 – 0.170	2.87 – 4.32	0.097 – 0.158	2.46 – 4.01
8	0.190 – 0.240	4.83 – 6.10	0.170 – 0.240	4.32 – 6.10	0.135 – 0.220	3.43 – 5.59
4	0.280 – 0.292	7.11 – 7.42	0.261 – 0.292	6.63 – 7.42	0.261 – 0.292	6.63 – 7.42

Undersized wire insulation is a major cause of contaminant ingress.

## Shell Size 18 Arrangements

<p><b>HDXX-18-6-XX</b></p> <p>2 x size 4, 4 x size 16 <b>N, E</b></p>	<p><b>HDXX-18-8-XX</b></p> <p>8 x size 12 <b>N, E</b></p>	<p><b>HDXX-18-14-XX</b></p> <p>14 x size 16 <b>N, T, E</b></p>	<p><b>HDXX-18-20-XX</b></p> <p>2 x size 16, 18 x size 20 <b>N, E</b></p>	<p><b>HDXX-18-21-XX</b></p> <p>21 x size 20 <b>N</b></p>
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## Shell Size 24 Arrangements

<p><b>HDXX-24-9-XX</b></p> <p>1 x size 4, 2 x size 8, 6 x size 12 <b>N, E</b></p>	<p><b>HDXX-24-14-XX</b></p> <p>1 x size 4, 1 x size 12, 12 x size 16 <b>N, E</b></p>	<p><b>HDXX-24-16-XX</b></p> <p>16 x size 12 <b>N, E</b></p>	<p><b>HDXX-24-18-XX</b></p> <p>1 x size 8, 3 x size 12, 14 x size 16 <b>N, E</b></p>	
<p><b>HDXX-24-19-XX</b></p> <p>6 x size 12, 13 x size 16 <b>N, E</b></p>	<p><b>HDXX-24-21-XX</b></p> <p>4 x size 12, 17 x size 16 <b>N, E</b></p>	<p><b>HDXX-24-23-XX</b></p> <p>23 x size 16 <b>N, T, E</b></p>	<p><b>HDXX-24-29-XX</b></p> <p>4 x size 12, 19 x size 16, 6 x size 20 <b>E</b></p>	<p><b>HDXX-24-31-XX</b></p> <p>31 x size 16 <b>T, E</b></p>
<p><b>HDXX-24-33-XX</b></p> <p>33 x size 20 <b>N</b></p>	<p><b>HDXX-24-35-XX</b></p> <p>3 x size 16, 32 x size 20 <b>N, E</b></p>	<p><b>HDXX-24-47-XX</b></p> <p>5 x size 16, 42 x size 20 <b>E</b></p>	<p><b>HDXX-24-91-XX</b></p> <p>2 x size 8, 2 x size 12, 5 x size 16 <b>N, E</b></p>	

For complete details on contacts & further options see page 98



# HD Series

## Popular HD30 Series Special Modifications

HD34-18-8SN-XXX



Standard – no modification



Provides mechanical protection to wire entering connector as well as additional strain relief



2 x size 4 cavities. 18-6 only. Cavities 1, 2, 5, & 6 are blocked

For a complete list of special modifications see page 115-119

blank – no modification

059 – Threaded adapter & cable clamp assembly

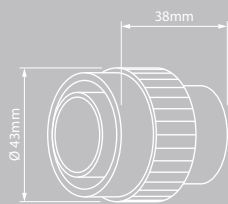
C030 – 18-6 only. 2 x size 4 cavities. 4 x size 16 cavities blocked (1, 2, 5, 6)

## HD30/HDP20 Series Dimensions

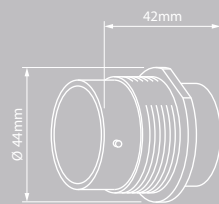
HDXXX-XX-8SN

18 – Shell Size

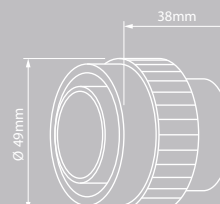
24 – Shell Size



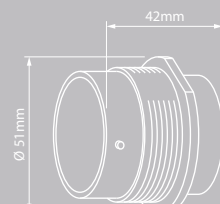
Plugs



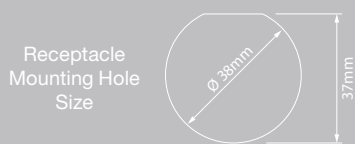
Receptacles



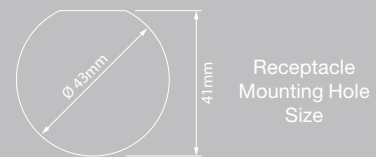
Plugs



Receptacles



Receptacle Mounting Hole Size



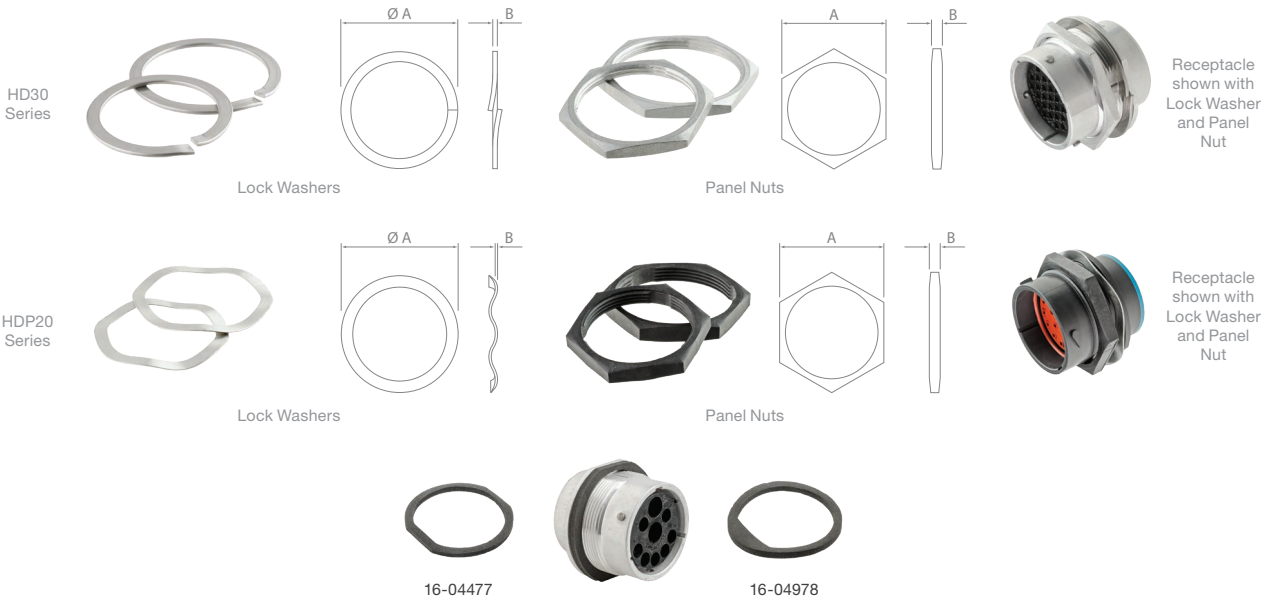
Receptacle Mounting Hole Size

## Temporary Material Change

Due to material shortages, some HD30/HDP20 series connectors will use a black material instead of the orange for the pin front component, until further notice.

UL re-certification on the connectors is in process.





## HD30/HDP20 Series – Washers, Nuts & Gaskets

Part No.	Description	Shell Size	Suits	A (mm)	B (mm)
<b>114021</b>	Lock Washer	18	HD30 Series	47.90	1.57
<b>112264</b>	Lock Washer	24	HD30 Series	52.68	1.57
<b>114020-90</b>	Panel Nut	18	HD30 Series	42.80	4.52
<b>112263-90</b>	Panel Nut	24	HD30 Series	47.63	4.52
<b>2414-002-1886</b>	Lock Washer – Wave	18	HDP20 Series	47.90	0.51
<b>2414-001-2486</b>	Lock Washer – Wave	24	HDP20 Series	52.68	0.51
<b>2411-002-1805</b>	Panel Nut – Thermoplastic	18	HDP20 Series	42.80	6.35
<b>2411-001-2405</b>	Panel Nut – Thermoplastic	24	HDP20 Series	47.63	6.35
<b>16-04978</b>	Mounting Gasket – Neoprene	18	HD30/HDP20 Series – Receptacles		
<b>16-04477</b>	Mounting Gasket – Neoprene	24	HD30/HDP20 Series – Receptacles		

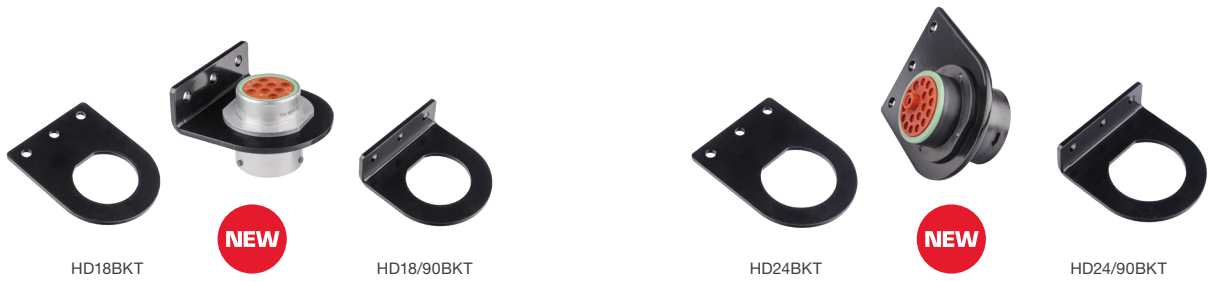


## HD30/HDP20 Series – Protective Caps

Part No.	Material	Shell Size	Suits
<b>HDC26-18</b>	Thermoplastic	18	HDP20 Series – Receptacles
<b>HDC26-24</b>	Thermoplastic	24	HDP20 Series – Receptacles
<b>HDC34-18</b>	Aluminium	18	HD30 Series – Plugs
<b>HDC34-24</b>	Aluminium	24	HD30 Series – Plugs
<b>HDC36-18</b>	Aluminium	18	HD30 Series – Receptacles
<b>HDC36-24</b>	Aluminium	24	HD30 Series – Receptacles

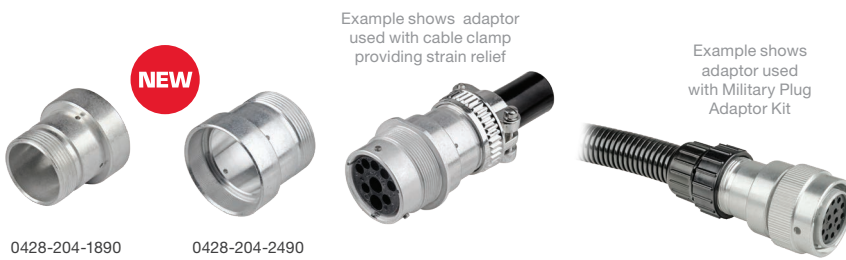


# HD Series



## HD30/HDP20 Series – Mounting Brackets NEW

Part No.	Mounting	Shell Size
<b>HD18BKT</b>	Flat	18
<b>HD18/90BKT</b>	90°	18
<b>HD24BKT</b>	Flat	24
<b>HD24/90BKT</b>	90°	24



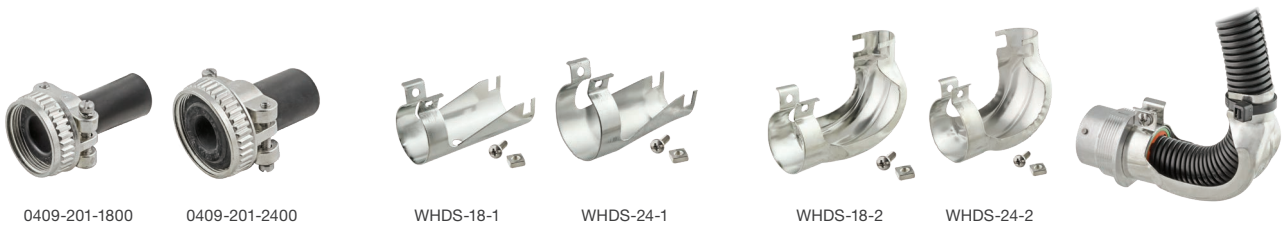
Attaches to rear of an HD30 Series plug or receptacle providing a thread.

Used to adapt HD30 Series connectors to Cable Clamps (0409-201-1800 & 0409-201-2400) or Schlemmer Military Plug Adaptor Kits (SF04 & SF05).

Press-fit application. Requires press.

## HD30 Series – Adaptors NEW

Part No.	Shell Size
<b>0428-204-1890</b>	18
<b>0428-204-2490</b>	24



## HD30/HDP20 Series – Strain Relief

Part No.	Description	Orientation	Shell Size
<b>0409-201-1800</b>	Cable Clamp	Straight	18
<b>0409-201-2400</b>	Cable Clamp	Straight	24
<b>WHDS-18-1</b>	Backshell	Straight	18
<b>WHDS-24-1</b>	Backshell	Straight	24
<b>WHDS-18-2</b>	Backshell	90°	18
<b>WHDS-24-2</b>	Backshell	90°	24

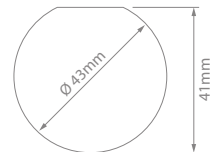
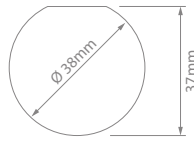


## HD30/HDP20 Series – Insulators/Boots

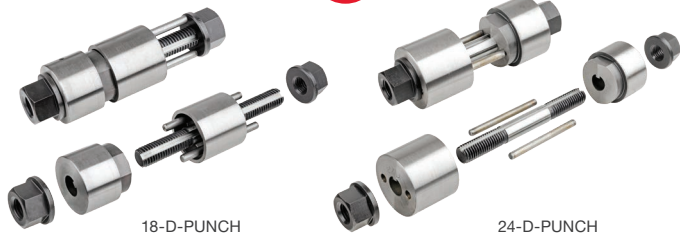
Part No.	Description	Shell Size
<b>HD30-18-BT</b>	Grey – 80mm	18
<b>HDB30-18</b>	Grey – 150mm	18
<b>HD30-24BT-BK</b>	Black – 80mm	24
<b>HDB30-24</b>	Black – 120mm	24
<b>HD30-24BT-90-BK</b>	Black – 80mm – 90°	24

The D hole punch is a hand tool used to cut D shaped holes into steel, aluminium, plastic and other material. The D shaped hole allows the connector to be securely mounted and helps prevent the connector from spinning.

- **Punchable Material:** Up to 1.98mm mild steel or aluminium. Up to 4.76mm plastic, wood, paneling, or other soft material.
- **Tool Material:** A2 material heat treated to a Rockwell hardness of 60 to 62.
- **Tool Size:** (approx. dimensions) L140mm x H50mm x D50mm
- **Sharpening:** The tool can be sharpened as needed.
- **Usability:** A 15.87mm minimum pilot hole is required to accommodate the draw stud. Air tools can be used.



**NEW**



## HD30/HDP20 Series – D Hole Punch NEW

Part No.	Shell Size
<b>18-D-PUNCH</b>	18
<b>24-D-PUNCH</b>	24



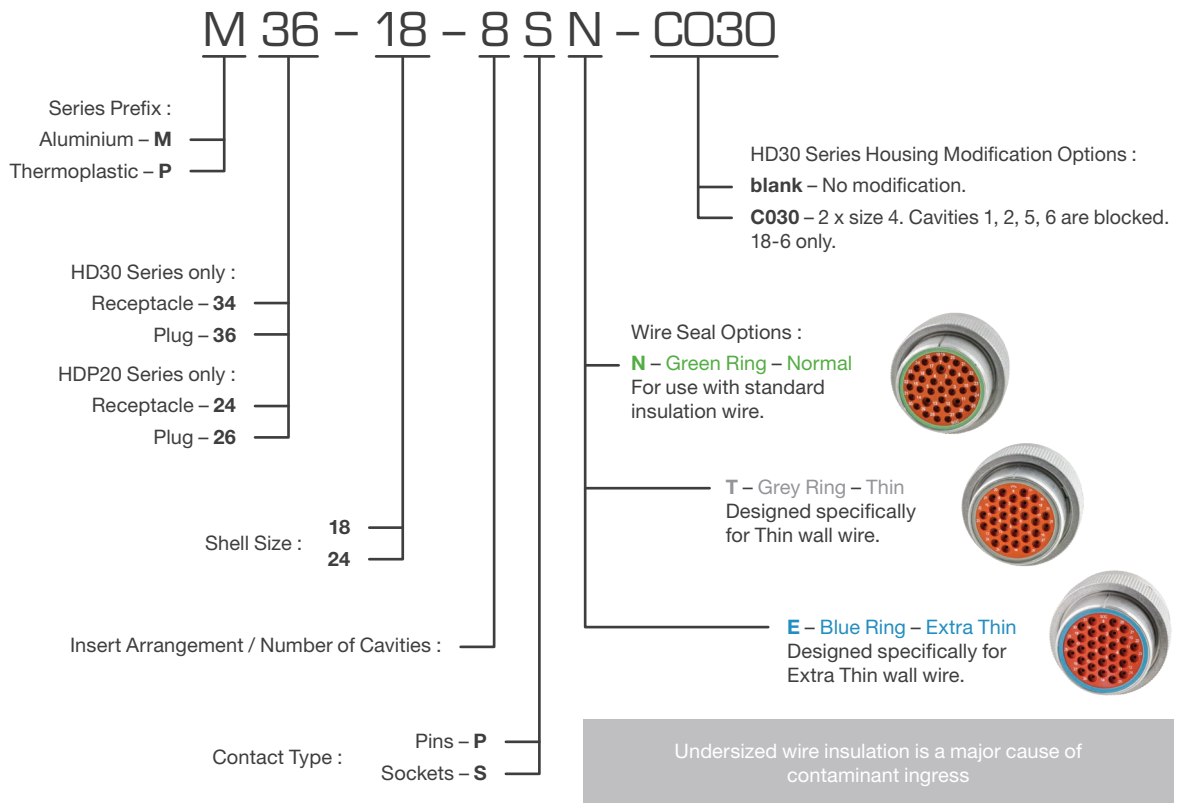
# HD Series

## HD30/HDP20 Series Half Kits

Kits contain all components required to make one side of a connection.

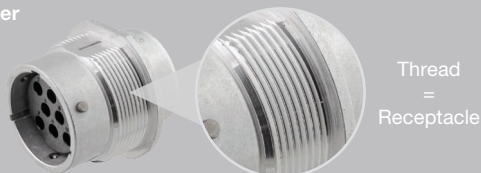


### HD30/HDP20 Half Kit Numbering System



#### Quick Receptacle Identifier

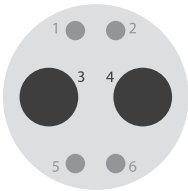
You can quickly determine if a HD30/HDP20 Series connector is a receptacle or plug by checking for visible threads.



#### Temporary Green & Blue Weld Rings Change

Due to material shortages, some green & blue weld rings use a grey material, until further notice. A laser mark clarifying the seal type will still be added to connector bodies.

## HD30/HDP20 Half Kits – Shell Size 18 – 6 Cavities



2 x size 4  
4 x size 16  
Cavities 1, 2, 5, 6 are blocked

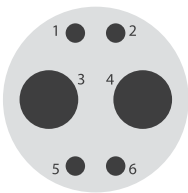
Connector      Wire Seal      Part No.      Kit Contents

Aluminium Receptacle      **Green Ring (Normal)**      **M34-18-6PN-C030**

- 1 x Receptacle (HD34-18-6PN-C030)
- 1 x Removal Tool (114009)
- 2 x Pin – Solid (0460-204-0490)
- 1 x Panel Nut (114020-90)
- 1 x Lock Washer (114021)

Aluminium Plug      **Green Ring (Normal)**      **M36-18-6SN-C030**

- 1 x Plug (HD36-18-6SN-C030)
- 1 x Removal Tool (114009)
- 2 x Socket – Solid (0462-203-04141)



2 x size 4  
4 x size 16

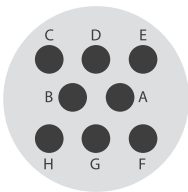
Thermoplastic Receptacle      **Green Ring (Normal)**      **P24-18-6PN**

- 1 x Receptacle (HDP24-18-6PN)
- 1 x Removal Tool (114009)
- 1 x Removal Tool (0411-310-1605)
- 2 x Pin – Solid (0460-204-0490)
- 4 x Pin – Solid (0460-215-16141)
- 1 x Panel Nut (2411-002-1805)
- 1 x Lock Washer (2414-002-1886)

Thermoplastic Plug      **Green Ring (Normal)**      **P26-18-6SN**

- 1 x Plug (HDP26-18-6SN)
- 1 x Removal Tool (114009)
- 1 x Removal Tool (0411-310-1605)
- 2 x Socket – Solid (0462-203-04141)
- 4 x Socket – Solid (0462-209-16141)

## HD30/HDP20 Half Kits – Shell Size 18 – 8 Cavities



8 x size 12

Connector      Wire Seal      Part No.      Kit Contents

Aluminium Receptacle      **Green Ring (Normal)**      **M34-18-8PN**

- 1 x Receptacle (HD34-18-8PN)
- 1 x Removal Tool (114010)
- 9 x Pin – Solid (0460-204-12141)
- 2 x Cavity Plug (114017)
- 1 x Panel Nut (114020-90)
- 1 x Lock Washer (114021)

Aluminium Plug      **Green Ring (Normal)**      **M36-18-8SN**

- 1 x Plug (HD36-18-8SN)
- 1 x Removal Tool (114010)
- 9 x Socket – Solid (0462-203-12141)
- 2 x Cavity Plug (114017)

Aluminium Receptacle      **Green Ring (Normal)**      **M34-18-8SN**

- 1 x Receptacle (HD34-18-8SN)
- 1 x Removal Tool (114010)
- 9 x Socket – Solid (0462-203-12141)
- 2 x Cavity Plug (114017)
- 1 x Panel Nut (114020-90)
- 1 x Lock Washer (114021)

Aluminium Plug      **Green Ring (Normal)**      **M36-18-8PN**

- 1 x Plug (HD36-18-8PN)
- 1 x Removal Tool (114010)
- 9 x Pin – Solid (0460-204-12141)
- 2 x Cavity Plug (114017)

Thermoplastic Receptacle      **Green Ring (Normal)**      **P24-18-8PN**

- 1 x Receptacle (HDP24-18-8PN)
- 1 x Removal Tool (114010)
- 10 x Pin – Solid (0460-204-12141)
- 2 x Cavity Plug (114017)
- 1 x Panel Nut (2411-002-1805)
- 1 x Lock Washer (2414-002-1886)

Thermoplastic Plug      **Green Ring (Normal)**      **P26-18-8SN**

- 1 x Plug (HDP26-18-8SN)
- 1 x Removal Tool (114010)
- 10 x Socket – Solid (0462-203-12141)
- 2 x Cavity Plug (114017)

Thermoplastic Receptacle      **Green Ring (Normal)**      **P24-18-8SN**

- 1 x Receptacle (HDP24-18-8PN)
- 1 x Removal Tool (114010)
- 10 x Socket – Solid (0462-203-12141)
- 2 x Cavity Plug (114017)
- 1 x Panel Nut (2411-002-1805)
- 1 x Lock Washer (2414-002-1886)

Thermoplastic Plug      **Green Ring (Normal)**      **P26-18-8PN**

- 1 x Plug (HDP26-18-8SN)
- 1 x Removal Tool (114010)
- 10 x Pin – Solid (0460-204-12141)
- 2 x Cavity Plug (114017)

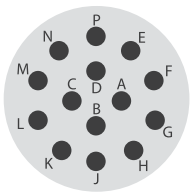




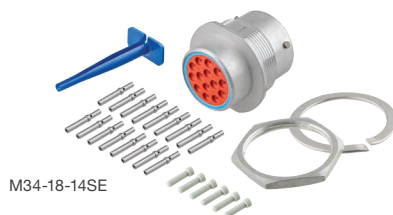
# HD Series

## HD30/HDP20 Half Kits – Shell Size 18 – 14 Cavities

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-18-14PN	1 x Receptacle (HD34-18-14PN) 1 x Removal Tool (0411-310-1605) 17 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-14SN	1 x Plug (HD36-18-14SN) 1 x Removal Tool (0411-310-1605) 17 x Socket – Solid (0462-209-16141) 3 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-18-14SE	1 x Receptacle (HD34-18-14SE) 1 x Removal Tool (0411-204-1605) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Blue Ring (Extra thin)	M36-18-14PE	1 x Plug (HD36-18-14PE) 1 x Removal Tool (0411-204-1605) 17 x Pin – Solid (0460-202-16141) 3 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-18-14SN	1 x Receptacle (HD34-18-14SN) 1 x Removal Tool (0411-310-1605) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (114020-90) 1 x Lock Washer (114021)
Aluminium Plug	Green Ring (Normal)	M36-18-14PN	1 x Plug (HD36-18-14PN) 1 x Removal Tool (0411-310-1605) 17 x Pin – Solid (0460-215-16141) 3 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-18-14PE	1 x Receptacle (HDP24-18-14PE) 1 x Removal Tool (0411-204-1605) 17 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-18-14SE	1 x Plug (HDP26-18-14SE) 1 x Removal Tool (0411-204-1605) 17 x Socket – Solid (0462-201-16141) 6 x Cavity Plug (114017)
Thermoplastic Receptacle	Green Ring (Normal)	P24-18-14PN	1 x Receptacle (HDP24-18-14PN) 1 x Removal Tool (0411-310-1605) 17 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Thermoplastic Plug	Green Ring (Normal)	P26-18-14SN	1 x Plug (HDP26-18-14SN) 1 x Removal Tool (0411-310-1605) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017)
Thermoplastic Receptacle	Green Ring (Normal)	P24-18-14SN	1 x Receptacle (HDP24-18-14SN) 1 x Removal Tool (0411-310-1605) 17 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-002-1805) 1 x Lock Washer (2414-002-1886)
Thermoplastic Plug	Green Ring (Normal)	P26-18-14PN	1 x Plug (HDP26-18-14PN) 1 x Removal Tool (0411-310-1605) 17 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017)



14 x size 16

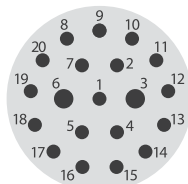


M34-18-14SE



P24-18-14SN

## HD30/HDP20 Half Kits – Shell Size 18 – 20 Cavities

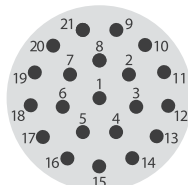


2 x size 16  
18 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	<b>M34-18-20SN</b>	<ul style="list-style-type: none"> <li>1 x Receptacle (HD34-18-20SN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>21 x Socket – Solid (0462-201-20141)</li> <li>3 x Socket – Solid (0462-209-16141)</li> <li>1 x Cavity Plug (114017)</li> <li>6 x Cavity Plug (0413-204-2005)</li> <li>1 x Panel Nut (114020-90)</li> <li>1 x Lock Washer (114021)</li> </ul>
Aluminium Plug	Green Ring (Normal)	<b>M36-18-20PN</b>	<ul style="list-style-type: none"> <li>1 x Plug (HD36-18-20PN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>3 x Pin – Solid (0460-215-16141)</li> <li>21 x Pin – Solid (0460-202-20141)</li> <li>1 x Cavity Plug (114017)</li> <li>6 x Cavity Plug (0413-204-2005)</li> </ul>



## HD30/HDP20 Half Kits – Shell Size 18 – 21 Cavities



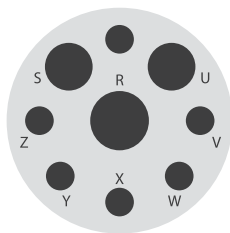
21 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	<b>M34-18-21PN</b>	<ul style="list-style-type: none"> <li>1 x Receptacle (HD34-18-21PN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>24 x Pin – Solid (0460-202-20141)</li> <li>6 x Cavity Plug (114017)</li> <li>1 x Panel Nut (114020-90)</li> <li>1 x Lock Washer (114021)</li> </ul>
Aluminium Plug	Green Ring (Normal)	<b>M36-18-21SN</b>	<ul style="list-style-type: none"> <li>1 x Plug (HD36-18-21SN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>24 x Socket – Solid (0462-201-20141)</li> <li>6 x Cavity Plug (0413-204-2005)</li> </ul>
Aluminium Receptacle	Green Ring (Normal)	<b>M34-18-21SN</b>	<ul style="list-style-type: none"> <li>1 x Plug (HD36-18-21SN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>25 x Socket – Solid (0462-201-20141)</li> <li>6 x Cavity Plug (0413-204-2005)</li> <li>1 x Panel Nut (114020-90)</li> <li>1 x Lock Washer (114021)</li> </ul>
Aluminium Plug	Green Ring (Normal)	<b>M36-18-21PN</b>	<ul style="list-style-type: none"> <li>1 x Plug (HD36-18-21PN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>25 x Pin – Solid (0460-202-20141)</li> <li>6 x Cavity Plug (0413-204-2005)</li> </ul>
Thermoplastic Receptacle	Green Ring (Normal)	<b>P24-18-21PN</b>	<ul style="list-style-type: none"> <li>1 x Receptacle (HDP24-18-21PN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>24 x Pin – Solid (0460-202-20141)</li> <li>6 x Cavity Plug (0413-204-2005)</li> <li>1 x Panel Nut (2411-002-1805)</li> <li>1 x Lock Washer (2414-002-1886)</li> </ul>
Thermoplastic Plug	Green Ring (Normal)	<b>P26-18-21SN</b>	<ul style="list-style-type: none"> <li>1 x Plug (HDP26-18-21SN)</li> <li>1 x Removal Tool (0411-240-2005)</li> <li>25 x Socket – Solid (0462-201-20141)</li> <li>6 x Cavity Plug (0413-204-2005)</li> </ul>



# HD Series

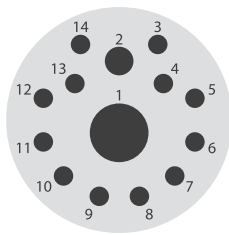
## HD30/HDP20 Half Kits – Shell Size 24 – 9 Cavities



1 x size 4  
2 x size 8  
6 x size 12

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-9PN	1 x Receptacle (HD34-24-9PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Pin – Solid (0460-204-0490) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-9SN	1 x Plug (HD36-24-9SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Socket – Solid (0462-203-12141) 3 x Socket – Solid (0462-203-08141) 1 x Socket – Solid (0462-203-04141) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-9SN	1 x Receptacle (HD34-24-9SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Socket – Solid (0462-203-12141) 3 x Socket – Solid (0462-203-08141) 1 x Socket – Solid (0462-203-04141) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-9PN	1 x Plug (HD36-24-9PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (114008) 7 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Pin – Solid (0460-204-0490) 1 x Cavity Plug (114019) 1 x Cavity Plug (114018) 3 x Cavity Plug (114017)
Thermoplastic Receptacle	Green Ring (Normal)	P24-24-9PN	1 x Receptacle (HDP24-24-9PN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Pin – Solid (0460-204-0490) 2 x Pin – Solid (0460-204-08141) 7 x Pin – Solid (0460-204-12141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Green Ring (Normal)	P26-24-9SN	1 x Plug (HDP26-24-9SN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 1 x Socket – Solid (0462-203-04141) 2 x Socket – Solid (0462-203-08141) 2 x Cavity Plug (114017) 1 x Cavity Plug (114018)
Thermoplastic Receptacle	Green Ring (Normal)	P24-24-9SN	1 x Receptacle (HDP24-24-9SN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 1 x Socket – Solid (0462-203-04141) 2 x Socket – Solid (0462-203-08141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Green Ring (Normal)	P26-24-9PN	1 x Plug (HDP26-24-9PN) 1 x Removal Tool (114008) 1 x Removal Tool (114009) 1 x Removal Tool (114010) 1 x Pin – Solid (0460-204-0490) 2 x Pin – Solid (0460-204-08141) 7 x Pin – Solid (0460-204-12141) 3 x Cavity Plug (114017) 1 x Cavity Plug (114018)

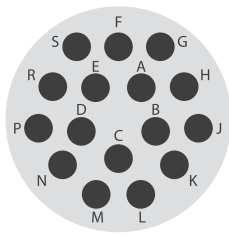
## HD30/HDP20 Half Kits – Shell Size 24 – 14 Cavities



1 x size 4  
1 x size 12  
12 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	<b>M34-24-14PN</b>	1 x Receptacle (HD34-24-14PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (0411-310-1605) 15 x Pin – Solid (0460-215-16141) 2 x Pin – Solid (0460-204-12141) 1 x Pin – Solid (0460-204-0490) 5 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-14SN</b>	1 x Plug (HD36-24-14SN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (0411-310-1605) 15 x Socket – Solid (0462-209-16141) 2 x Socket – Solid (0462-203-12141) 2 x Socket – Solid (0462-203-04141) 5 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	<b>M34-24-14SN</b>	1 x Receptacle (HD34-24-14SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114010) 1 x Removal Tool (114010) 1 x Socket – Solid (0462-203-04141) 2 x Socket – Solid (0462-203-12141) 15 x Socket – Solid (0462-209-16141) 5 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-14PN</b>	1 x Plug (HD36-24-14PN) 1 x Removal Tool (114010) 1 x Removal Tool (114009) 1 x Removal Tool (0411-310-1605) 15 x Pin – Solid (0460-215-16141) 2 x Pin – Solid (0460-204-12141) 1 x Pin – Solid (0460-204-0490) 5 x Cavity Plug (114017)

## HD30/HDP20 Half Kits – Shell Size 24 – 16 Cavities



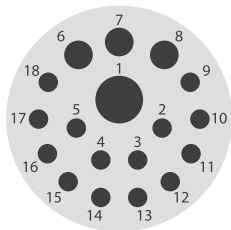
16 x size 12

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	<b>M34-24-16PN</b>	1 x Receptacle (HD34-24-16PN) 1 x Removal Tool (114010) 19 x Pin – Solid (0460-204-12141) 5 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-16SN</b>	1 x Plug (HD36-24-16SN) 1 x Removal Tool (114010) 19 x Socket – Solid (0462-203-12141) 5 x Cavity Plug (114017)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-16PN</b>	1 x Plug (HD36-24-16PN) 1 x Removal Tool (114010) 19 x Pin – Solid (0460-204-12141) 5 x Cavity Plug (114017)
Thermoplastic Receptacle	Green Ring (Normal)	<b>P24-24-16PN</b>	1 x Receptacle (HDP24-24-16PN) 1 x Removal Tool (114010) 19 x Pin – Solid (0460-204-12141) 5 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Green Ring (Normal)	<b>P26-24-16SN</b>	1 x Plug (HDP26-24-16SN) 1 x Removal Tool (114010) 19 x Socket – Solid (0462-203-12141) 5 x Cavity Plug (114017)



# HD Series

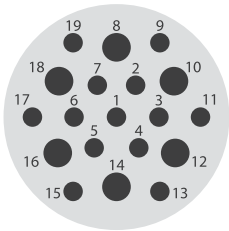
## HD30/HDP20 Half Kits – Shell Size 24 – 18 Cavities



1 x size 8  
3 x size 12  
14 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-18PN	<ul style="list-style-type: none"> <li>1 x Receptacle (HD34-24-18PN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (114010)</li> <li>2 x Pin – Solid (0460-204-08141)</li> <li>4 x Pin – Solid (0460-204-12141)</li> <li>17 x Pin – Solid (0460-215-16141)</li> <li>6 x Cavity Plug (114017)</li> <li>1 x Panel Nut (112263-90)</li> <li>1 x Lock Washer (112264)</li> </ul>
Aluminium Plug	Green Ring (Normal)	M36-24-18SN	<ul style="list-style-type: none"> <li>1 x Plug (HD36-24-18SN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (114010)</li> <li>2 x Socket – Solid (0462-203-08141)</li> <li>4 x Socket – Solid (0462-203-12141)</li> <li>17 x Socket – Solid (0462-209-16141)</li> <li>6 x Cavity Plug (114017)</li> </ul>
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-18SE	<ul style="list-style-type: none"> <li>1 x Receptacle (HD34-24-18SE)</li> <li>1 x Removal Tool (0411-337-1205)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (0411-204-1605)</li> <li>2 x Socket – Solid (0462-203-08141)</li> <li>4 x Socket – Solid (0462-203-12141)</li> <li>16 x Socket – Solid (0462-201-16141)</li> <li>6 x Cavity Plug (114017)</li> <li>1 x Panel Nut (112263-90)</li> <li>1 x Lock Washer (112264)</li> </ul>
Aluminium Plug	Blue Ring (Extra thin)	M36-24-18PE	<ul style="list-style-type: none"> <li>1 x Plug (HD36-24-18PE)</li> <li>1 x Removal Tool (0411-337-1205)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (0411-204-1605)</li> <li>2 x Pin – Solid (0460-204-08141)</li> <li>4 x Pin – Solid (0460-204-12141)</li> <li>17 x Pin – Solid (0460-202-16141)</li> <li>6 x Cavity Plug (114017)</li> </ul>
Thermoplastic Receptacle	Green Ring (Normal)	P24-24-18PN	<ul style="list-style-type: none"> <li>1 x Receptacle (HDP24-24-18PN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (114010)</li> <li>2 x Pin – Solid (0460-204-08141)</li> <li>4 x Pin – Solid (0460-204-12141)</li> <li>17 x Pin – Solid (0460-215-16141)</li> <li>6 x Cavity Plug (114017)</li> <li>1 x Panel Nut (2411-001-2405)</li> <li>1 x Lock Washer (2414-001-2486)</li> </ul>
Thermoplastic Plug	Green Ring (Normal)	P26-24-18SN	<ul style="list-style-type: none"> <li>1 x Plug (HDP26-24-18SN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (114010)</li> <li>2 x Socket – Solid (0462-203-08141)</li> <li>4 x Socket – Solid (0462-203-12141)</li> <li>17 x Socket – Solid (0462-209-16141)</li> <li>6 x Cavity Plug (114017)</li> </ul>
Thermoplastic Receptacle	Green Ring (Normal)	P24-24-18SN	<ul style="list-style-type: none"> <li>1 x Receptacle (HDP24-24-18SN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (114010)</li> <li>2 x Socket – Solid (0462-203-08141)</li> <li>4 x Socket – Solid (0462-203-12141)</li> <li>17 x Socket – Solid (0462-209-16141)</li> <li>6 x Cavity Plug (114017)</li> <li>1 x Panel Nut (2411-001-2405)</li> <li>1 x Lock Washer (2414-001-2486)</li> </ul>
Thermoplastic Plug	Green Ring (Normal)	P26-24-18PN	<ul style="list-style-type: none"> <li>1 x Plug (HDP26-24-18PN)</li> <li>1 x Removal Tool (0411-310-1605)</li> <li>1 x Removal Tool (114008)</li> <li>1 x Removal Tool (114010)</li> <li>2 x Pin – Solid (0460-204-08141)</li> <li>4 x Pin – Solid (0460-204-12141)</li> <li>17 x Pin – Solid (0460-215-16141)</li> <li>6 x Cavity Plug (114017)</li> </ul>

## HD30/HDP20 Half Kits – Shell Size 24 – 19 Cavities



6 x size 12  
13 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-19PE	1 x Receptacle (HD34-24-19PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 7 x Pin – Solid (0460-204-12141) 16 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-19SE	1 x Plug (HD36-24-19SE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 7 x Socket – Solid (0462-203-12141) 16 x Socket – Solid (0462-202-16141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-19PN	1 x Receptacle (HD34-24-19PN) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (114010) 7 x Pin – Solid (0460-204-12141) 16 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-19SE	1 x Receptacle (HD34-24-19SE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 7 x Socket – Solid (0462-203-12141) 16 x Socket – Solid (0462-201-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-19PE	1 x Plug (HD36-24-19PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 7 x Pin – Solid (0460-204-12141) 16 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-19PE	1 x Receptacle (HDP24-24-19PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (114010) 7 x Pin – Solid (0460-204-12141) 16 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Receptacle	Green Ring (Normal)	P24-24-19PN	1 x Receptacle (HDP24-24-19PN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114010) 7 x Pin – Solid (0460-204-12141) 16 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Green Ring (Normal)	P26-24-19SN	1 x Plug (HDP26-24-19SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114010) 7 x Socket – Solid (0462-203-12141) 16 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017)



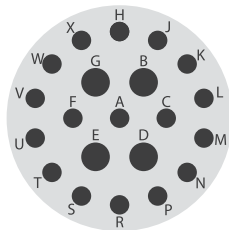
M34-24-19PE



# HD Series

## HD30/HDP20 Half Kits – Shell Size 24 – 21 Cavities

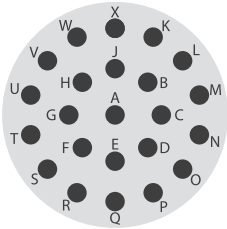
Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-21PE	1 x Receptacle (HD34-24-21PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 5 x Pin – Solid (0460-204-12141) 20 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-21SE	1 x Plug (HD36-24-21SE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 5 x Socket – Solid (0462-203-12141) 20 x Socket – Solid (0462-201-16141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-21PN	1 x Receptacle (HD34-24-21PN) 1 x Removal Tool (114010) 1 x Removal Tool (0411-310-1605) 20 x Pin – Solid (0460-215-16141) 5 x Pin – Solid (0460-204-12141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-21SN	1 x Plug (HD36-24-21SN) 1 x Removal Tool (114010) 1 x Removal Tool (0411-310-1605) 20 x Socket – Solid (0462-209-16141) 5 x Socket – Solid (0462-203-12141) 6 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-21SN	1 x Receptacle (HD34-24-21SN) 1 x Removal Tool (114010) 1 x Removal Tool (0411-310-1605) 20 x Socket – Solid (0462-209-16141) 5 x Socket – Solid (0462-203-12141) 6 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-21PN	1 x Plug (HD36-24-21PN) 1 x Removal Tool (114010) 1 x Removal Tool (0411-310-1605) 20 x Pin – Solid (0460-215-16141) 5 x Pin – Solid (0460-204-12141) 6 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-21PE	1 x Receptacle (HDP24-24-21PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 5 x Pin – Solid (0460-204-12141) 20 x Pin – Solid (0460-202-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-24-21SE	1 x Plug (HDP26-24-21SE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 5 x Socket – Solid (0462-203-12141) 20 x Socket – Solid (0462-201-16141) 6 x Cavity Plug (114017)
Thermoplastic Receptacle	Green Ring (Normal)	P24-24-21PN	1 x Receptacle (HDP24-24-21PN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114010) 5 x Pin – Solid (0460-204-12141) 20 x Pin – Solid (0460-215-16141) 6 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Green Ring (Normal)	P26-24-21SN	1 x Plug (HDP26-24-21SN) 1 x Removal Tool (0411-310-1605) 1 x Removal Tool (114010) 5 x Socket – Solid (0462-203-12141) 20 x Socket – Solid (0462-209-16141) 6 x Cavity Plug (114017)



4 x size 12  
17 x size 16

## HD30/HDP20 Half Kits – Shell Size 24 – 23 Cavities

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-23PE	1 x Receptacle (HD34-24-23PE) 1 x Removal Tool (0411-204-1605) 26 x Pin – Solid (0460-202-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-23SE	1 x Plug (HD36-24-23SE) 1 x Removal Tool (0411-204-1605) 26 x Socket – Solid (0462-201-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-23SE	1 x Receptacle (HD34-24-23SE) 1 x Removal Tool (0411-204-1605) 26 x Socket – Solid (0462-201-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-23PE	1 x Plug (HD36-24-23PE) 1 x Removal Tool (0411-204-1605) 26 x Pin – Solid (0460-202-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-23PN	1 x Receptacle (HD34-24-23PN) 1 x Removal Tool (0411-310-1605) 26 x Pin – Solid (0460-215-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-23SN	1 x Plug (HD36-24-23SN) 1 x Removal Tool (0411-310-1605) 26 x Socket – Solid (0462-209-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	M34-24-23SN	1 x Receptacle (HD34-24-23SN) 1 x Removal Tool (0411-310-1605) 26 x Socket – Solid (0462-209-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	M36-24-23PN	1 x Plug (HD36-24-23PN) 1 x Removal Tool (0411-310-1605) 26 x Pin – Solid (0460-215-16141) 8 x Cavity Plug (114017)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-23PT	1 x Receptacle (HD34-24-23PT) 1 x Removal Tool (0411-310-1605) 26 x Pin – Solid (0460-215-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-23ST	1 x Receptacle (HD34-24-23ST) 1 x Removal Tool (0411-310-1605) 26 x Socket – Solid (0462-209-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)



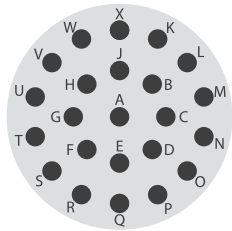
23 x size 16





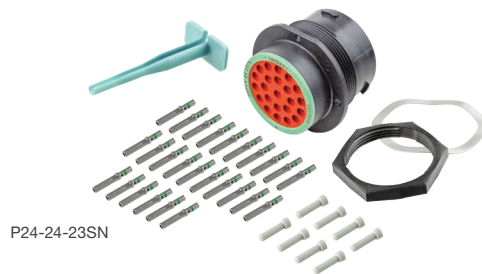
# HD Series

## HD30/HDP20 Half Kits – Shell Size 24 – 23 Cavities cont.



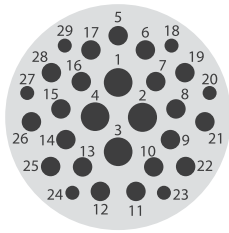
23 x size 16

Connector	Wire Seal	Part No.	Kit Contents
<b>Thermoplastic Receptacle</b>	<b>Green Ring (Normal)</b>	<b>P24-24-23PN</b>	1 x Receptacle (HDP24-24-23PN) 1 x Removal Tool (0411-310-1605) 26 x Pin – Solid (0460-215-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
<b>Thermoplastic Plug</b>	<b>Green Ring (Normal)</b>	<b>P26-24-23SN</b>	1 x Plug (HDP26-24-23SN) 1 x Removal Tool (0411-310-1605) 26 x Socket – Solid (0462-209-16141) 8 x Cavity Plug (114017)
<b>Thermoplastic Receptacle</b>	<b>Blue Ring (Extra thin)</b>	<b>P24-24-23SE</b>	1 x Receptacle (HDP24-24-23SE) 1 x Removal Tool (0411-204-1605) 26 x Socket – Solid (0462-201-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
<b>Thermoplastic Plug</b>	<b>Blue Ring (Extra thin)</b>	<b>P26-24-23PE</b>	1 x Plug (HDP26-24-23PE) 1 x Removal Tool (0411-204-1605) 26 x Pin – Solid (0460-202-16141) 8 x Cavity Plug (114017)
<b>Thermoplastic Receptacle</b>	<b>Green Ring (Normal)</b>	<b>P24-24-23SN</b>	1 x Receptacle (HDP24-24-23SN) 1 x Removal Tool (0411-310-1605) 26 x Socket – Solid (0462-209-16141) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
<b>Thermoplastic Plug</b>	<b>Green Ring (Normal)</b>	<b>P26-24-23PN</b>	1 x Plug (HDP26-24-23PN) 1 x Removal Tool (0411-310-1605) 26 x Pin – Solid (0460-215-16141) 8 x Cavity Plug (114017)



P24-24-23SN

## HD30/HDP20 Half Kits – Shell Size 24 – 29 Cavities



4 x size 12  
19 x size 16  
6 x size 20

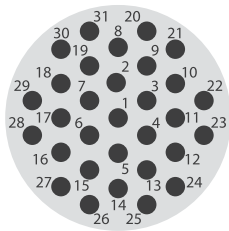
Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-29PE	1 x Receptacle (HD34-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-29SE	1 x Plug (HD36-24-29SE) 1 x Removal Tool (0411-337-1205) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-29SE	1 x Receptacle (HD34-24-29SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-29PE	1 x Plug (HD36-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-29PE	1 x Receptacle (HDP24-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-24-29SE	1 x Plug (HDP26-24-29SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-29SE	1 x Receptacle (HDP24-24-29SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Socket – Solid (0462-201-16141) 5 x Socket – Solid (0462-203-12141) 7 x Socket – Solid (0462-201-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-24-29PE	1 x Plug (HDP26-24-29PE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-337-1205) 22 x Pin – Solid (0460-202-16141) 5 x Pin – Solid (0460-204-12141) 7 x Pin – Solid (0460-202-20141) 2 x Cavity Plug (0413-204-2005) 8 x Cavity Plug (114017)



# HD Series

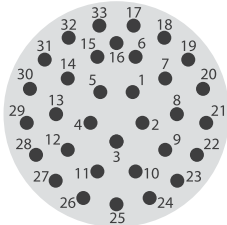
## HD30/HDP20 Half Kits – Shell Size 24 – 31 Cavities

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-31PE	1 x Receptacle (HD34-24-31PE) 1 x Removal Tool (0411-204-1605) 36 x Pin – Solid (0460-202-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-31SE	1 x Plug (HD36-24-31SE) 1 x Removal Tool (0411-204-1605) 36 x Socket – Solid (0462-201-16141) 10 x Cavity Plug (114017)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-31PT	1 x Receptacle (HD34-24-31PT) 1 x Removal Tool (0411-310-1605) 36 x Pin – Solid (0460-215-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Grey Ring (Thin)	M36-24-31ST	1 x Plug (HD36-24-31ST) 1 x Removal Tool (0411-310-1605) 36 x Socket – Solid (0462-209-16141) 10 x Cavity Plug (114017)
Aluminium Receptacle	Grey Ring (Thin)	M34-24-31ST	1 x Receptacle (HD34-24-31ST) 1 x Removal Tool (0411-310-1605) 36 x Socket – Solid (0462-209-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Grey Ring (Thin)	M36-24-31PT	1 x Plug (HD36-24-31PT) 1 x Removal Tool (0411-310-1605) 36 x Pin – Solid (0460-215-16141) 10 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-31PE	1 x Receptacle (HDP24-24-31PE) 1 x Removal Tool (0411-204-1605) 36 x Pin – Solid (0460-202-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-24-31SE	1 x Plug (HDP26-24-31SE) 1 x Removal Tool (0411-204-1605) 36 x Socket – Solid (0462-201-16141) 10 x Cavity Plug (114017)
Thermoplastic Receptacle	Grey Ring (Thin)	P24-24-31PT	1 x Receptacle (HDP24-24-31PT) 1 x Removal Tool (0411-310-1605) 36 x Pin – Solid (0460-215-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Grey Ring (Thin)	P26-24-31ST	1 x Plug (HDP26-24-31ST) 1 x Removal Tool (0411-310-1605) 36 x Socket – Solid (0462-209-16141) 10 x Cavity Plug (114017)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-31SE	1 x Receptacle (HDP24-24-31SE) 1 x Removal Tool (0411-204-1605) 36 x Socket – Solid (0462-201-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-24-31PE	1 x Plug (HDP26-24-31PE) 1 x Removal Tool (0411-204-1605) 36 x Pin – Solid (0460-202-16141) 10 x Cavity Plug (114017)
Thermoplastic Receptacle	Grey Ring (Thin)	P24-24-31ST	1 x Receptacle (HDP24-24-31ST) 1 x Removal Tool (0411-310-1605) 36 x Socket – Solid (0462-209-16141) 10 x Cavity Plug (114017) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Grey Ring (Thin)	P26-24-31PT	1 x Plug (HDP26-24-31PT) 1 x Removal Tool (0411-310-1605) 36 x Pin – Solid (0460-215-16141) 10 x Cavity Plug (114017)



31 x size 16

## HD30/HDP20 Half Kits – Shell Size 24 – 33 Cavities



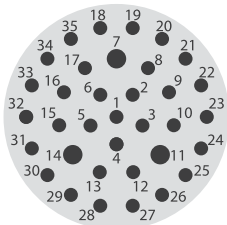
33 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	<b>M34-24-33SN</b>	1 x Receptacle (HD34-24-33SN) 1 x Removal Tool (0411-240-2005) 36 x Socket – Solid (0462-201-20141) 10 x Cavity Plug (0413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-33PN</b>	1 x Plug (HD36-24-33PN) 1 x Removal Tool (0411-240-2005) 36 x Pin – Solid (0460-202-20141) 10 x Cavity Plug (0413-204-2005)



M34-24-35PN

## HD30/HDP20 Half Kits – Shell Size 24 – 35 Cavities



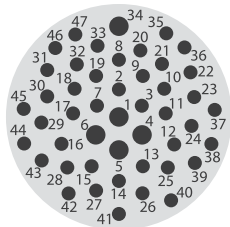
3 x size 16  
32 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	<b>M34-24-35PN</b>	1 x Receptacle (HD34-24-35PN) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-310-1605) 36 x Pin – Solid (0460-202-20141) 4 x Pin – Solid (0460-215-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-35PN</b>	1 x Plug (HD36-24-35PN) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-310-1605) 36 x Socket – Solid (0462-201-20141) 4 x Socket – Solid (0462-209-16141) 10 x Cavity Plug (0413-204-2005) 2 x Cavity Plug (114017)
Aluminium Receptacle	Green Ring (Normal)	<b>M34-24-35SN</b>	1 x Receptacle (HD34-24-35SN) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-310-1605) 36 x Socket – Solid (0462-201-20141) 4 x Socket – Solid (0462-209-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Green Ring (Normal)	<b>M36-24-35PN</b>	1 x Plug (HD36-24-35PN) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-310-1605) 36 x Pin – Solid (0460-202-20141) 4 x Pin – Solid (0460-215-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005)



# HD Series

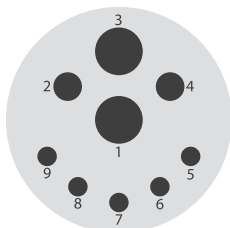
## HD30/HDP20 Half Kits – Shell Size 24 – 47 Cavities



5 x size 16  
42 x size 20

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-47PE	1 x Receptacle (HD34-24-47PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-240-2005) 47 x Pin – Solid (0460-202-20141) 6 x Pin – Solid (0460-202-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-47SE	1 x Plug (HD36-24-47SE) 1 x Removal Tool (0411-240-2005) 1 x Removal Tool (0411-204-1605) 6 x Socket – Solid (0462-201-20141) 47 x Socket – Solid (0462-201-20141) 10 x Cavity Plug (0413-204-2005) 2 x Cavity Plug (114017)
Aluminium Receptacle	Blue Ring (Extra thin)	M34-24-47SE	1 x Receptacle (HD34-24-47SE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-240-2005) 47 x Socket – Solid (0462-201-20141) 6 x Socket – Solid (0462-201-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)
Aluminium Plug	Blue Ring (Extra thin)	M36-24-47PE	1 x Plug (HD36-24-47PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-240-2005) 47 x Pin – Solid (0460-202-20141) 6 x Pin – Solid (0460-202-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005)
Thermoplastic Receptacle	Blue Ring (Extra thin)	P24-24-47SE	1 x Receptacle (HDP24-24-47SE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-240-2005) 47 x Socket – Solid (0462-201-20141) 6 x Socket – Solid (0462-201-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005) 1 x Panel Nut (2411-001-2405) 1 x Lock Washer (2414-001-2486)
Thermoplastic Plug	Blue Ring (Extra thin)	P26-24-47PE	1 x Plug (HDP26-24-47PE) 1 x Removal Tool (0411-204-1605) 1 x Removal Tool (0411-240-2005) 47 x Pin – Solid (0460-202-20141) 6 x Pin – Solid (0460-202-16141) 2 x Cavity Plug (114017) 10 x Cavity Plug (0413-204-2005)

## HD30/HDP20 Half Kits – Shell Size 24 – 91



2 x size 8  
2 x size 12  
5 x size 16

Connector	Wire Seal	Part No.	Kit Contents
Aluminium Receptacle	Green Ring (Normal)	M34-24-91PN	1 x Receptacle (HD34-24-91PN) 1 x Removal Tool (114010) 1 x Removal Tool (114008) 1 x Removal Tool (0411-310-1605) 6 x Pin – Solid (0460-215-16141) 3 x Pin – Solid (0460-204-12141) 3 x Pin – Solid (0460-204-08141) 1 x Cavity Plug (114018) 2 x Cavity Plug (114017) 1 x Panel Nut (112263-90) 1 x Lock Washer (112264)