



## TECHNICAL DATA SHEET

Carroll Australasia is the authorised distributor for the Harnessflex products in Australia and New Zealand (ANZ). We are a specialist stockist of the Harnessflex specialised range of flexible conduit systems, fittings, backshells and more.

# HARNESSFLEX FAST-FIT TYPE A STRAIGHT FITTING

**Harnessflex**

**Harnessflex Fast-Fit Type A straight fitting, provides maximum cable protection to the highest possible IP rating when used with Harnessflex NC conduit**



### Features & Benefits:

- One piece design with integrated conduit and thread sealing
- Provides continuation of cable protection between conduit and cable entry points
- High level of mechanical protection and highest degree of ingress protection against solids and liquids
- Secure conduit clip design
- External male thread for insertion into metric threaded entries or knockout holes
- Locknut included
- Conduit and thread size indicators

### Applications:

- Trucks
- Agricultural machinery
- Heavy duty and special purpose vehicles

### Suitable for conduit type:

- Harnessflex NC

### Material:

- Polyamide (Nylon) 66 - Body, TPE seal

### UV Resistance:

- Very high

### Temperature range:

- Static short term: -50°C to +120°C
- Static long term: -50°C to +105°C
- Dynamic short term: -45°C to +120°C
- Dynamic long term: -45°C to +108°C

### Ingress protection:

- IP66 - as standard
- IP67 - as standard
- IP68 - as standard (2 Bar 30 mins)
- IP69K - as standard

### Fire performance:

- Self extinguishing
- Low smoke toxicity
- Halogen free

### Conforms to:

- CE marked to Low Voltage Directive 2014/35 EU
- BSI Kitemark KM35161 to BS EN 61386
- CEI 11170 LR3 / LR4
- UL1696 Approved
- ADR Approved (with NC conduits only)

### Certifications/Standards: (Refer to tables for certifications details)

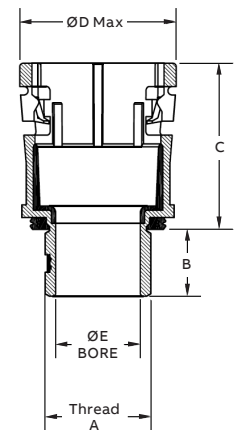
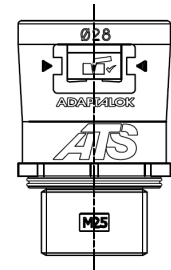




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### FAST-FIT TYPE A FITTING – PART NUMBERS AND DIMENSIONS

PART NO. BLACK BODY (METRIC)	METRIC	NOMINAL DIMENSIONS (MM)			
	A	B	C	D	E
HTS16/M16/A	M16 x 1.5	11.8	36.0	23.2	11.2
HTS16/M20/A	M20 x 1.5	11.8	36.0	23.3	15.2
HTS20/M20/A	M20 x 1.5	11.8	39.5	30.2	15.2
HTS28/M25/A	M25 x 1.5	15.8	39.5	37.2	20.0
HTS32/M32/A	M32 x 1.5	15.8	41.0	44.2	26.7
HTS40/M40/A	M40 x 1.5	15.8	50.8	54.2	34.0
HTS50/M50/A	M50 x 1.5	15.8	56.3	65.0	44.0



### THERMAL PROPERTIES

TEST TYPE	STANDARD	REQUIREMENT	VALUE
Minimum temperature	-	Permanent static use	-40°C
Minimum temperature	BS EN 61386-23	Dynamic Use (5000 cycles)	-45°C
Maximum temperature	-	Permanent static use	105°C
Maximum temperature	BS EN 61386-23	Dynamic Use (5000 cycles)	120°C
Static short term use	-	Temporary use (3000 hours)	-40 to 120°C

### FLAMMABILITY

TEST TYPE	STANDARD	REQUIREMENT	RESULT	VALUE
Glow wire	BS EN 60695-2-11	Extinguish within 30s	850°C	°C
Flammability	IEC 61386-1-12	1Kw Burner Flame to Self	Pass	-
Oxygen Index - Nylon body	ISO 4589-2	-	21.1	%
Oxygen Index - Elastomer	ISO 4589-2	-	20.2	%
Ignition Rating - Nylon	NF F16-101	I Rating	I4	-
Ignition Rating - Elastomer	NF F16-101	I Rating	I4	-

### SMOKE

TEST TYPE	STANDARD	REQUIREMENT	RESULT	VALUE
Fume Rating - Nylon Body	NF F16-101	F Rating	F2	-
Fume Rating - Elastomer Seal	NF F16-101	F Rating	F2	-

### TOXICITY

TEST TYPE	STANDARD	REQUIREMENT	RESULT	VALUE
Halogen Free	NFX 70-100	<0.5%	Pass	-

### PRE-TEST CONDITIONS

DURATION	STANDARD	TEMPERATURE	RELATIVE HUMIDITY
168 (hrs)	BS EN 61386-1	23°C	50%

Carroll Australasia Pty Ltd reserves the right to change specifications without notice.



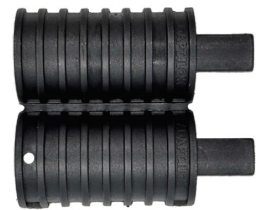
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# HARNESSFLEX FAST-FIT REMOVAL TOOL

***Harnessflex***

**Harnessflex Fast-Fit Removal tool for simple, safe removal of Fast-Fit fittings.**



### Features & Benefits:

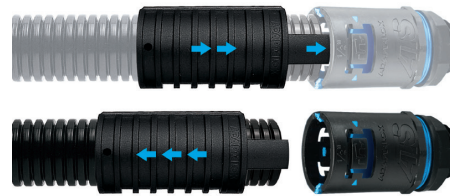
- Safe and simple removal and of Harnessflex Fast-fit fittings

### Material:

- Polyamide 6
- Black

### Instructions:

1. Slide removal tool over conduit
2. Align tabs with retention clips on fitting
3. Slide removal tool into fitting, pushing the tabs underneath the clips
4. Remove fitting from conduit



### HARNESSFLEX FAST-FIT REMOVAL TOOL

PART NUMBER	HARNESSFLEX FAST FIT FITTING SIZE (MM)
HTS16/RT	16
HTS20/RT	20
HTS28/RT	28
HTS32/RT	32
HTS40/RT	40
HTS50/RT	50

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