



Fiber Blowing Machines



Manufactured By

FREMCO



High Performance Fiber Blowing FTTx - Access Network - Backbone

Compared to traditional cable pulling techniques, fiber blowing provides a safer, more efficient installation and reduced risk of costly damage to fiber and cable.

Jameson has partnered with Fremco A/S, an innovative Danish company specializing in the development and production of advanced fiber blowing equipment. For over two decades, Fremco has developed extensive industry knowledge and expertise through collaboration with Installation Technicians, Duct Manufacturers and Fiber/Cable Manufacturers. Jameson is proud to offer these high-performance fiber blowing machines to the North American market.

- Proven performance in the toughest environments
- Designed for exceptional reliability with minimal replacement parts
- Covers broad range of inside and outside applications
- Long-distance installation utilizing air-flow or water-flow
- Hydraulic powered units provide superior pushing force
- Advanced protection technology prevents damage to fiber or cable
- Responsive customer service with domestic maintenance/repair operations

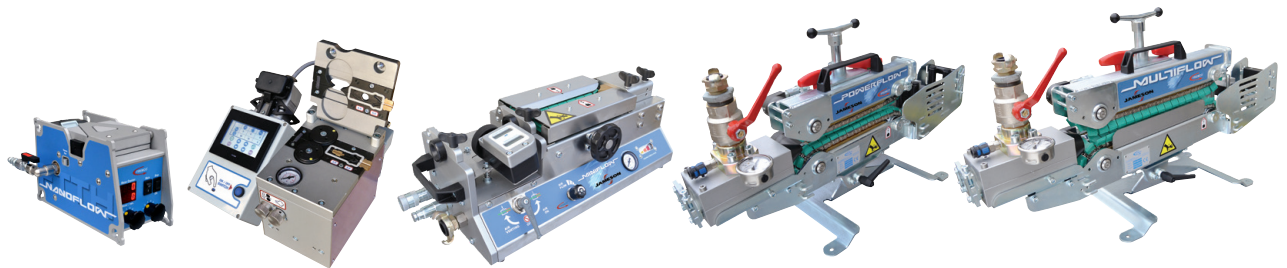
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	NanoFlow	MicroFlow	MiniFlow Rapid	PowerFlow	MultiFlow
Part Number	J101-160601800	J101-10051	J101-10031	J101-10001	J101-10021
Application	FTTH	FTTH	Access Network	Backbone	Backbone
Fiber Cable OD	0.8 - 3.6 mm .03 - .14 in	0.8 - 6.5 mm .03 - .26 in	3 - 12 mm .16 - .47 in	8 - 25 mm .31 - .98 in	8-32 mm .31 - 1.26 in
Duct OD	3 - 12.7 mm .12 - .39 in	5 - 16 mm .20 - .63 in	7-22 mm .28 - .87 in	14-70 mm .55 - 2.75 in	14-70 mm .55 - 2.75 in
Drive Power	24V Battery	110/230VAC	Hydraulic	Hydraulic	Hydraulic
Install Speed (Up To)	490 ft/min (150 m/min)	295 ft/min (90 m/min)	325 ft/min (100 m/min)	260 ft/min (80 m/min)	260 ft/min (80 m/min)
Pushing Force	-	-	0-88 lb (0-40 kg)	0-276 lb (0-125 kg)	0-441 lb (0-200 kg)
Blowing Distance (Max.)	3,940 ft (1200 m)	8,200 ft (2500 m)	11,485 ft (3500 m)	32,810 ft (10000 m*)	32,810 ft (10000 m*)
Recommended Air Flow	0-177 cfm (0-500 l/min.)	71-177 cfm (200-500 l/min.)	35.3 cfm (1000 l/min.)	282.5-423.8 cfm (8000-12000 l/min.)	282.5-423.8 cfm (8000-12000 l/min.)
Recommended Air Pressure	0-150 psi (0-10 bar)	120-230 psi (8-16 bar)	120-230 psi (8-16 bar)	120-170 psi (8-12 bar)	120-170 psi (8-12 bar)
Dimensions L x W x H	8.0 x 4.0 x 5.5 in (212 x 104 x 139 mm)	Machine: 9.9 x 5.9 x 8.5 in (250 x 150 x 220 mm) Control Unit: 7.8 x 5.9 x 3.2 in (200 x 150 x 80 mm)	25.6 x 8.9 x 8.3 in (650 x 225 x 210 mm)	25.6 x 9.0 x 13.8 in (650 x 230 x 350 mm)	27.5 x 9.0 x 13.8 in (700 x 230 x 350 mm)
Weight	7.6 lb (3.4 kg) With Battery	Machine: 21.0 lb (9.7 kg) Control Unit: 4.2 lb (1.9 kg)	53.0 lb (24 kg)	83.8 lb (38 kg)	88.2 lb (40 kg)
Features	· Fully Automatic · Double Fiber Protection · No Tools Needed · Easy Load & Remove Pre-Connected Products · One person installation · Adjustable Torque & Speed · Multi-Position	· Preset Automatic Stop · Auto-Buckle Detection · Air Pressure/Flow Regulation · Speed, Torque & Distance Display · Adjustable Torque, Distance & Speed	· Use with Air or Water · Push Force Monitor · Quickly Adapts to Various Cable & Duct Sizes · Adjustable Torque, Distance & Speed	· Use with Air or Water · Single Cable Only · Quickly Adapts to Various Cable & Duct Sizes · Adjustable Torque, Distance & Speed · Multi-Position	· Use with Air or Water · Relining or Single Cable · Quickly Adapts To Various Duct & Cable Sizes · Adjustable Torque, Distance & Speed · Multi-Position

* Blowing Distance and Speed Depend on Type of Duct and Cable Used

Made in Denmark

For FTTH Fibers (EPFU) and Cables



Extreme Portability & Cable Protection

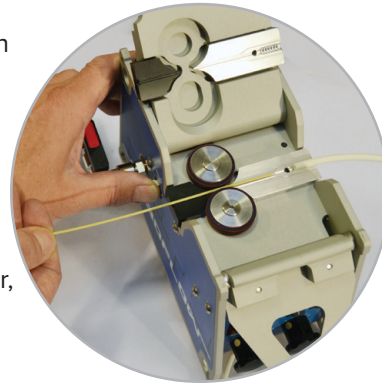
PLUS Battery Powered Convenience

Efficient and automatic FTTH installation. Fast, easy one-person set-up and operation using six adjustable speed settings and torque settings.

- Compatible with pre-connected cable; load/unload without cutting
- Fully automatic with unique double fiber protection
- Battery-powered (24V Li-Ion)
- Quickly load fiber and duct – no tools needed
- One-person set-up and operation

Advanced fiber protection technology stops installation to prevent fiber damage. Synchronous drive wheels interrupt fiber installation due to incorrect torque selection. The machine also stops automatically if installation exceeds preset torque load on fiber.

These features, combined with an end-of-line “Fiberstop” attachment, allow efficient one-person FTTH installation. Once the fiber reaches customer, the system immediately stops installation without damage to fiber.



- Bright LED display shows Speed, Distance, Fiber Protection and Low-Battery
- Portable, compact design allows multiple blowing positions
- Integral air fitting allows fiber installation with or without air
- Anodized aluminum construction is lightweight and durable

Included:

- Plastic storage case
- Two (2) long-lasting 24V 2.0Ah Lithium-ion batteries and quick charger (up to 12-hour battery-life under normal usage)
- Two (2) adapter plate sets: 2.2-2.3mm and 3.0-3.1mm EPFU (2f to 12f) fiber. Other size adapters available.
- Six (6) Duct adapters for 3, 5, 7, 8, 8.5, and 10mm duct



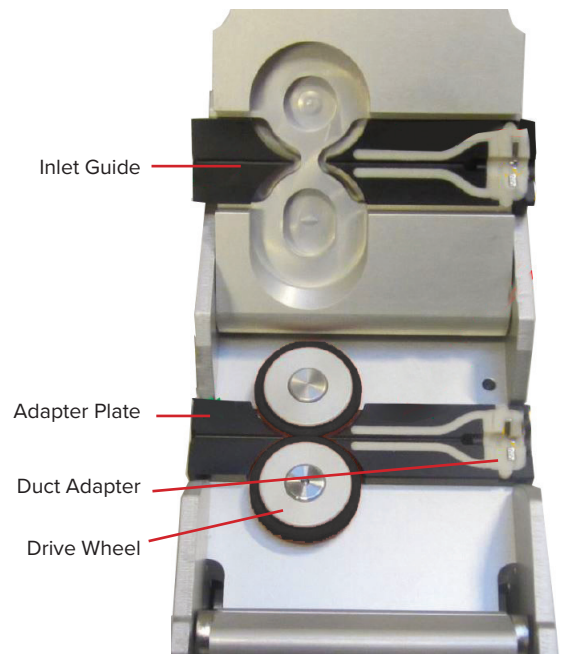
Specifications	
Application	FTTH
Fiber/Cable (OD)	0.8-3.6 mm
Duct Size (OD)	3-12.7 mm
Drive Power	24V Battery
Install Speed (Max.)	490 ft/min (150 m/min)
Blowing Distance (Max.)	3,940 ft (1200 m)
Recommended Air Flow	0-17.7 cfm (0-500 l/min)
Recommended Air Pressure	0-150 psi (0-10 bar)
Dimensions L x W x H	8.0 x 4.0 x 5.5 in (212 x 104 x 139 mm)
Weight	7.6 lb (3.4 kg)

Part Number	NanoFlow Blowing Machine Kit
J101-160601800	NanoFlow Machine, 2-Way Air Valve with CEJN Air Coupling, Adapter Plates for 2.2-2.3 mm & 3.0-3.1 mm Fiber, Duct Adapters for 3.0, 5.0, 7.0, 8.0, 8.5 & 10.0 mm Duct O.D., Two 24V/2.0Ah, Lithium-Ion Batteries, Battery Charger (110/230VAC), and Storage Case



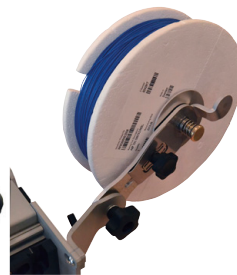
NanoFlow Adapter Plates (1 Set)		
Part Number	Inlet Diameter	Fiber Diameter
J103-160601301	1.1 mm	Up to 1.0 mm
J103-160601303	1.3 mm	1.1-1.2 mm
J103-160601304	1.4 mm	1.2-1.3 mm
J103-160601306	1.6 mm	1.4-1.5 mm
J103-160601308	1.8 mm	1.6-1.7 mm
J103-160601311	2.1 mm	1.9-2.0 mm
J103-160601314	2.4 mm	2.2-2.3 mm *
J103-160601316	2.6 mm	2.4-2.5 mm
J103-160601318	3.0 mm	2.8-2.9 mm
J103-160601319	3.2 mm	3.0-3.1 mm *
J103-181204002	3.8 mm	3.6-3.7 mm
Custom Adapter Plates Available Upon Request		

NanoFlow Gasket/Duct Adapters (1 Set)	
Part Number	Duct O.D.
J103-160601130	3 mm *
J103-160601132	5 mm *
J103-160601133	7 mm *
J103-160601135	8 mm *
J103-180516003	8.5 mm *
J103-160601134	10 mm *
Custom Gasket/Duct Adapters Available Upon Request	
* Included in NanFlow J101-160601800	





Shoulder Strap



Reel Holder Arm



Steel Drive Wheel



Air Filter & Water Separator



Battery



Fiberstop



Return Valve

Accessories

J103-161127005	Tripod with Quick-Mount Adapter
J103-160601074	Shoulder Strap
J103-171020001	Reel Bracket for Preconnected Fiber with 25mm Center Hole
J103-170515001	Knurled Steel Drive Wheel (for Microcables Only)
J103-160601036	Replacement Rubber Ring for Standard Drive Wheel

Air Filter & Water Separator - Removes oil and water when using compressor

J103-160601064	Air Filter & Water Separator
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Batteries & Charger

J103-160601042	24V/2.0Ah Lithium-Ion Battery
J103-160601043	24V/4.0Ah Lithium-Ion Battery
J103-160601044	Battery Charger (110/230VAC)

Fiberstop - Attach at far end of microduct. Works with machine's fiber protection system to automatically stop fiber at end of duct run; allowing one-person fiber installation

J103-20601	Fiberstop - 5.0 mm Duct O.D.
J103-150713001	Fiberstop - 8.0 mm Duct O.D.
J103-20602	Fiberstop - 10.0 mm Duct O.D.
J103-150713002	Fiberstop - 12.0 mm Duct O.D.

Return Valve - Use to remove damaged fiber from microduct. Attach valve at far end of microduct, connect compressed air source, open valve to assist fiber removal

J103-20603	Return Valve - 5.0 mm Duct O.D.
J103-20606	Return Valve - 8.0 mm Duct O.D.
J103-20604	Return Valve - 10.0 mm Duct O.D.
J103-20605	Return Valve - 12.0 mm Duct O.D.

Flowmeter - Test airflow output from microduct

J103-20600	Flowmeter for 5.0 mm Duct O.D. (6-30 L/min.)
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Flowmeter



NanoFlow Includes plastic storage case to protect machine and organize parts.

For FTTH Fibers (EPFU) and Cables

AC Powered With Cable Protection

PLUS Air Or Water Install Option

MicroFlow incorporates a unique fiber protection technology that automatically stops the machine and prevents costly damage to fiber optic cable during installation.

As cable encounters an obstruction, it bends slightly in machine, triggering an integral stop sensor. Exceeding the preset motor torque limit also interrupts installation process. In either case, the machine automatically protects fiber from possible damage.

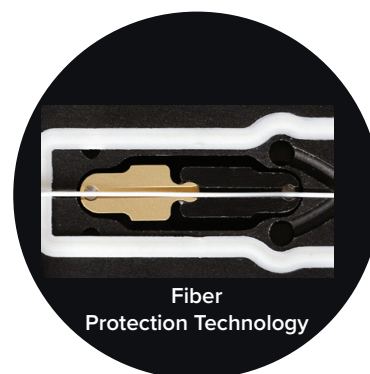
After fiber protection technology stops machine, the MicroFlow will attempt installation two more times before completely disengaging the machine.



Control Unit

The MicroFlow control unit features a user-friendly touch-screen display for easy set-up and control of entire blowing process.

- Easily adjust maximum motor torque and speed
- Preset specific fiber blowing distance
- Control Acceleration (start to maximum speed) and Deceleration (maximum speed to stop)
- Displays critical information during blowing process: Actual Motor Torque, Actual Motor Speed and Distance Counter



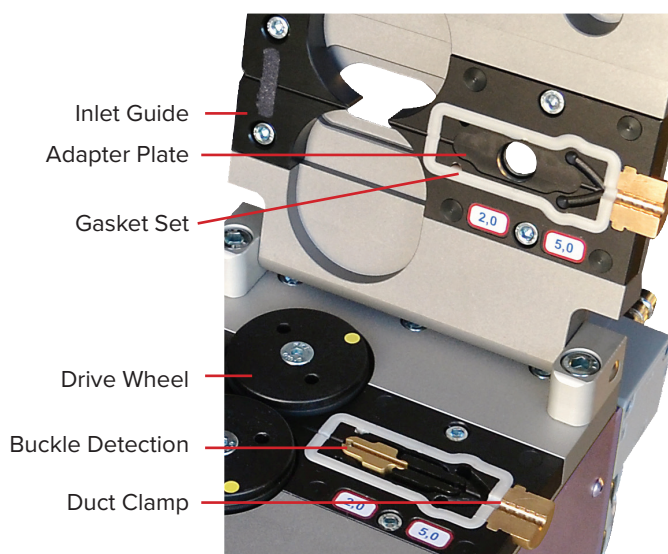
Specifications

Application	FTTH
Fiber/Cable (OD)	0.8-6.5 mm
Microduct Diameter (OD)	5-16 mm
Drive Power	110/230VAC
Install Speed (Max.)	295 ft/min (90 m/min)
Blowing Distance (Max.)	8,200 ft (2500 m)
Recommended Air Flow	7.1-17.7 cfm (200-500 l/min.)
Recommended Air Pressure	120-230 psi (8-16 bar)
Machines Dimensions L x W x H	9.9 x 5.9 x 8.5 in (250 x 150 x 220 mm) Control Unit: 7.8 x 5.9 x 3.2 in (200 x 150 x 80 mm)
Machine Weight	21.0 lb (9.7 kg) Control Unit: 4.2 lb (1.9 kg)

Part Number	MicroFlow Blowing Machine
J101-10051	MicroFlow Machine (110/230VAC), Touch-Screen Control Unit, and Storage Case. (Order Adapter/ Drive Wheel Sets and Gaskets Separately)

MicroFlow Adapter Plate/Drive Wheel Sets (with Sensor Arm)*			
Part Number	Inlet Diameter	Fiber Diameter	Duct O.D.
J103-130808001	1.5 mm	0.8-1.3 mm	5 mm
J103-130808010	2.0 mm	1.2-1.8 mm	
J103-130808020	3.0 mm	1.9-2.8 mm	
J103-130808002	1.5 mm	0.8-1.3 mm	7 mm
J103-130808011	2.0 mm	1.2-1.8 mm	
J103-130808021	3.0 mm	1.9-2.8 mm	
J103-130808003	1.5 mm	0.8-1.3 mm	8 mm
J103-130808012	2.0 mm	1.2-1.8 mm	
J103-130808022	3.0 mm	1.9-2.8 mm	
J103-130808004	1.5 mm	0.8-1.3 mm	10 mm
J103-130808013	2.0 mm	1.2-1.8 mm	
J103-130808023	3.0 mm	1.9-2.8 mm	
J103-130808005	1.5 mm	0.8-1.3 mm	12 mm
J103-130808014	2.0 mm	1.2-1.8 mm	
J103-130808024	3.0 mm	1.9-2.8 mm	
J103-141118002	2.0 mm	1.2-1.8 mm	14 mm
J103-130808025	3.0 mm	1.9-2.8 mm	

MicroFlow Adapter Plate/Drive Wheel Sets (without Sensor Arm)*			
Part Number	Inlet Diameter	Fiber Diameter	Duct O.D.
J103-130808040	4.0 mm	2.8-3.8 mm	7 mm
J103-141113003	5.0 mm	3.8-4.8 mm	
J103-130808041	4.0 mm	2.8-3.8 mm	8 mm
J103-181203002	4.0 mm	2.8-3.8 mm	8.5 mm
J103-150727001	4.0 mm	2.8-3.8 mm	10 mm
J103-130701002	5.0 mm	3.8-4.8 mm	
J103-130808043	4.0 mm	2.8-3.8 mm	12 mm
J103-140827005	5.0 mm	3.8-4.8 mm	
J103-130808044	4.0 mm	2.8-3.8 mm	14 mm
J103-140827004	5.0 mm	3.8-4.8 mm	
J103-130808045	4.0 mm	2.8-3.8 mm	16 mm
J103-140827006	5.0 mm	3.8-4.8 mm	
Custom Adapter Plates Available Upon Request			
* MicroFlow Gaskets Must Be Ordered Separately - See Page 9			



MicroFlow Gasket Sets

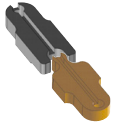
Note: Gasket should fit close to fiber OD

Part Number	Gasket Dia.	Duct O.D.
J103-130724001	0.8 mm	5 mm
J103-130724002	1.0 mm	
J103-130724003	1.2 mm	
J103-130724004	1.4 mm	
J103-130724005	1.6 mm	
J103-131217005	1.8 mm	
J103-131217006	2.0 mm	
J103-141113001	2.2 mm	
J103-170321001	2.4 mm	
J103-170524001	2.6 mm	
J103-161215003	0.8 mm	7 mm
J103-131127001	1.2 mm	
J103-170428001	1.4 mm	
J103-131208001	1.6 mm	
J103-131127002	1.8 mm	
J103-150309001	2.0 mm	
J103-131011001	2.2 mm	
J103-131011002	2.4 mm	
J103-131011003	2.6 mm	
J103-141118004	2.8 mm	
J103-151111001	3.0 mm	
J103-140107001	3.4 mm	
J103-150910001	3.6 mm	
J103-150503001	4.0 mm	
J103-141113002	4.2 mm	
J103-131217007	1.0 mm	8 mm
J103-130724006	1.2 mm	
J103-131217003	1.4 mm	
J103-131217004	1.6 mm	
J103-131217001	1.8 mm	
J103-131217002	2.0 mm	
J103-131212001	2.6 mm	
J103-170615002	3.6 mm	
J103-160429001	5.2 mm	8.5 mm
J103-181203001	3.6 mm	
J103-190130003	3.8 mm	
J103-190130004	4.0 mm	
J103-190130001	4.6 mm	
J103-190130002	4.8 mm	10 mm
J103-141110001	1.2 mm	
J103-140819002	1.6 mm	
J103-140507001	1.8 mm	
J103-131127003	2.2 mm	
J103-130724007	2.4 mm	

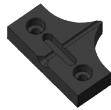
Part Number	Gasket Dia.	Duct O.D.
J103-130724008	2.6 mm	10 mm (cont'd)
J103-150108002	3.0 mm	
J103-130701003	3.2 mm	
J103-130701004	3.4 mm	
J103-130701005	3.6 mm	
J103-140819003	3.8 mm	
J103-151111002	4.0 mm	
J103-150410001	4.6 mm	
J103-160118001	5.0 mm	
J103-150603001	5.4 mm	
J103-161012001	1.2 mm	12 mm
J103-170123001	1.4 mm	
J103-150421001	1.8 mm	
J103-150507001	2.2 mm	
J103-130724009	2.4 mm	
J103-140518001	2.6 mm	
J103-140518002	2.8 mm	
J103-150616001	3.0 mm	
J103-130724010	3.2 mm	
J103-130724011	3.4 mm	
J103-150507002	3.6 mm	
J103-140819004	3.8 mm	
J103-141104001	4.0 mm	
J103-141104004	4.2 mm	
J103-141104003	4.4 mm	14 mm
J103-141104002	4.6 mm	
J103-150618001	5.0 mm	
J103-141118003	1.8 mm	
J103-131007001	2.2 mm	
J103-131007002	2.6 mm	
J103-141118005	2.8 mm	
J103-131007003	3.2 mm	
J103-140820010	3.4 mm	
J103-140820008	3.8 mm	
J103-170523001	4.0 mm	16 mm
J103-150629001	4.2 mm	
J103-170615001	4.6 mm	
J103-170523002	5.2 mm	
J103-150902001	2.0 mm	
J103-161101001	2.6 mm	
J103-140820011	3.4 mm	16 mm
J103-140820009	3.8 mm	
J103-160831002	4.0 mm	
J103-160831001	5.2 mm	



MICROFLOW



Buckle Detection
Sensor Arm



Nylon Inlet
Guide



Drive Wheel



O-Ring For
Drive Wheel



Filter & Water Separator



Return Valve



Fiberstop



Flowmeter



MicroFlow Accessories

Buckle Detection Sensor Arm

J103-171114001	Sensor Arm - 1.5 mm
J103-171114002	Sensor Arm - 2.0 mm
J103-171114003	Sensor Arm - 3.0 mm
J103-171114004	Sensor Arm - 4.0 mm

Nylon Inlet Guides

J103-10512	Nylon Inlet Guide - 2.0 mm
J103-10513	Nylon Inlet Guide - 3.0 mm
J103-10514	Nylon Inlet Guide - 4.0 mm
J103-10515	Nylon Inlet Guide - 5.0 mm
J103-10516	Nylon Inlet Guide - 6.0 mm

Drive Wheels & O-Rings

J103-10522	Drive Wheel - Up to 2.0 mm Fiber O.D.
J103-10523	Drive Wheel - Up to 3.0 mm Fiber O.D.
J103-10525	Drive Wheel - Up to 6.0 mm Fiber O.D.
J103-10729	O-ring for Drive Wheel - Up to 2.0 mm Fiber O.D.
J103-120828001	O-ring for Drive Wheel - Up to 2.5 mm Fiber O.D.
J103-10730	O-ring for Drive Wheel - Up to 3.0 mm Fiber O.D.
J103-120207001	O-ring for Drive Wheel - Up to 6.0 mm Fiber O.D.

Air Filter & Water Separator - Removes oil and water when using compressor

J103-130606001	Air Filter & Water Separator
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MicroFlow Accessories

Fiberstop - Attach at far end of microduct. Works with machine's fiber protection system to automatically stop fiber at end of duct run, allowing one-person fiber installation.

J103-20601	Fiberstop - 5.0 mm Duct O.D.
J103-150713001	Fiberstop - 8.0 mm Duct O.D.
J103-20602	Fiberstop - 10.0 mm Duct O.D.
J103-150713002	Fiberstop - 12.0 mm Duct O.D.

Return Valve - Use to remove damaged fiber from microduct. Attach valve at far end of microduct, connect compressed air source, open valve to assist fiber removal.

J103-20603	Return Valve - 5.0 mm Duct O.D.
J103-20606	Return Valve - 8.0 mm Duct O.D.
J103-20604	Return Valve - 10.0 mm Duct O.D.
J103-20605	Return Valve - 12.0 mm Duct O.D.

Flowmeter - Test airflow output from microduct.

J103-20600	Flowmeter for 5.0 mm Duct O.D. (6-30 L/min.)
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Vent Valve - Used to decompress microduct without opening machine.

J103-140324003	Vent Valve for MicroFlow
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For Access Network and Backbone



Rugged, Compact Machine Design

PLUS Integral Force Gauge

Specifications	
Application	Access Network
Fiber/Cable (OD)	3-12 mm
Duct Diameter (OD)	7-22 mm
Drive Power	Hydraulic
Install Speed (Max.)	325 ft/min (100 m/min)
Pushing Force	0-88 lb (0-40 kg)
Blowing Distance (Max.)	11,485 ft (3500 m)
Recommended Air Flow	35.3 cfm (1000 l/min)
Recommended Pressure	120-230 psi (8-16 bar air)
Dimensions L x W x H	25.6 x 8.9 x 8.3 in (650 x 225 x 210 mm)
Weight	53.0 lb (24 kg)

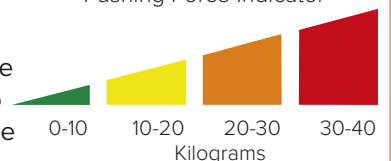
MiniFlow Rapid features user friendly controls and intuitive machine operation. In addition, the machine is capable of installing cable at speeds up to 100m/min.

- Straightforward design provides ease of operation
- Built-In digital footage counter and tachometer
- Machine quickly adapts to different size cable and duct
- Robust construction utilizing stainless steel and anodized aluminum

Cable Damage Prevention

MiniFlow Rapid features an integral force gauge to continually monitor cable pushing force, allowing the operator to adjust settings or stop installation before damaging cable.

Pushing Force Indicator



Additional Equipment Needed To Run Machine:

- Hydraulic Power Pack & Control Valve
- High Pressure Air Compressor

MINIFLOW RAPID

Part Number	MiniFlow Blowing Machine
J101-MIF-KIT1	MiniFlow Machine for 4.0-12.0 mm Fiber O.D., Cable Seal Kit, Hydraulic Power Pack, Control Valve With Manual Return, Hydraulic Extension Hose (5 meter) Set With Couplings and Aluminum Storage Case
J101-10031	Base MiniFlow Machine for 4.0-12.0 mm Fiber O.D.
J101-10034	Base MiniFlow Machine for 3.0-8.0 mm Fiber O.D.

MiniFlow Adapter Sets (Adapter Plates & Two Inlet Guide Sets)

Part Number	Inlet Dia.	Fiber Dia.	Duct O.D.
J103-141112001	7.0 mm	5.0-6.0 mm	10 mm
J103-141112004	8.0 mm	6.0-7.0 mm	
J103-141112002	7.0 mm	5.0-6.0 mm	12 mm
J103-141112005	8.0 mm	6.0-7.0 mm	
J103-161201001	9.0 mm	7.0-8.0 mm	12.7 mm
J103-141112013	8.0 mm	6.0x7.0 mm	
J103-141112003	7.0 mm	5.0-6.0 mm	14 mm
J103-141112006	8.0 mm	6.0-7.0 mm	
J103-141112007	9.0 mm	7.0-8.0 mm	
J103-141112008	10.0 mm	8.0-9.0 mm	
J103-141112010	11.0 mm	9.0-10.0 mm	16 mm
J103-141112009	10.0 mm	8.0-9.0 mm	
J103-141112011	11.0 mm	9.0-10.0 mm	
J103-190326004	8.5 x 5.5 mm	8.0 x 4.5 mm (Flat Drop)	18 mm
J103-180906001	13.0 mm	10.0-12.0 mm	
J103-141112012	13.0 mm	10.0-12.0 mm	20 mm



Adapter Set



Adapter Plates

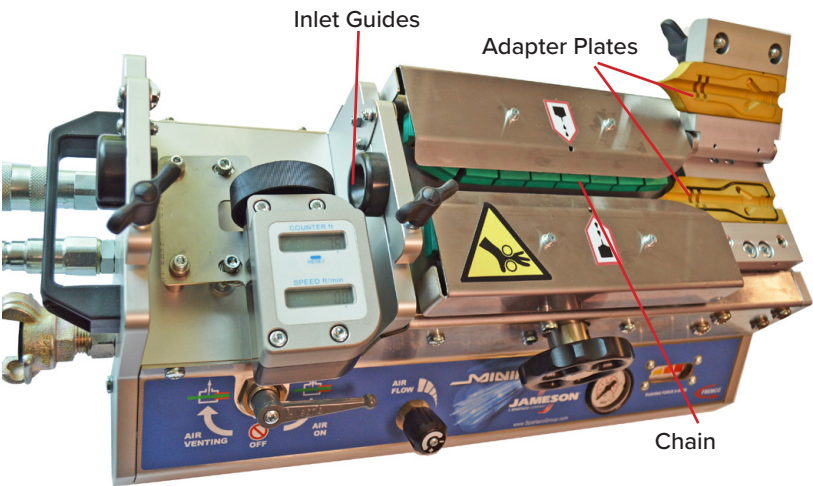


Nylon Inlet Guides

MiniFlow Adapter Plates (1 Set)			
Part Number	Inlet Dia.	Fiber Dia.	Duct O.D.
J103-120323001	7.0 mm	5.0-6.0 mm	10 mm
J103-120918001	8.0 mm	6.0-7.0 mm	
J103-12500	7.0 mm	5.0-6.0 mm	12 mm
J103-120201002	8.0 mm	6.0-7.0 mm	
J103-120221002	9.0 mm	7.0-8.0 mm	14 mm
J103-140612001	7.0 mm	5.0-6.0 mm	
J103-120201003	8.0 mm	6.0-7.0 mm	
J103-120702002	9.0 mm	7.0-8.0 mm	
J103-121024001	10.0 mm	8.0-9.0 mm	16 mm
J103-130213005	11.0 mm	9.0-10.0 mm	
J103-120118001	10.0 mm	8.0-9.0 mm	
J103-121127003	11.0 mm	9.0-10.0 mm	18 mm
J103-190326001	8.5 x 5.5 mm	8.0 x 4.5 mm (Flat Drop)	
J103-121127004	13.0 mm	10.0-12.0 mm	20 mm
J103-121203002	13.0 mm	10.0-12.0 mm	20 mm

MiniFlow Nylon Inlet Guides (1 Set)*		
Part Number	Inlet Dia.	Fiber Dia.
J103-10020	6.0 mm	4.0-5.0 mm
J103-10489	7.0 mm	5.0-6.0 mm
J103-10281	8.0 mm	6.0-7.0 mm
J103-10282	9.0 mm	7.0-8.0 mm
J103-120711001	10.0 mm	8.0-9.0 mm
J103-10307	11.0 mm	9.0-10.0 mm
J103-130821001	12.0 mm	10.0-11.0 mm
J103-121127005	13.0 mm	11.0-12.0 mm
J103-190326003	8.5 x 5.5 mm	8.0 x 4.5 mm (Flat Drop)

* MiniFlow Requires Two (2) Nylon Inlet Guide Sets



Cable Seal Kit



Cable Seals



Replacement Drive Chain

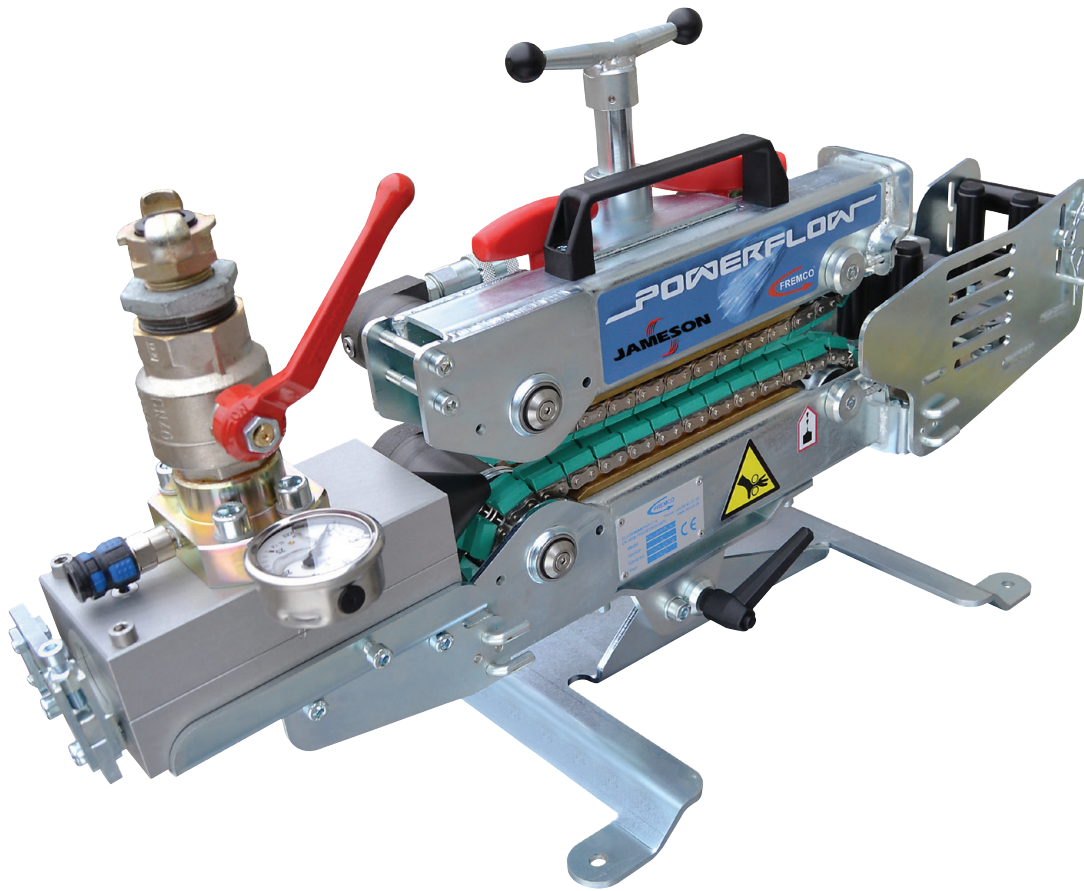
Cable Seals For Adapter Plates

To make blowing chamber as tight as possible

MiniFlow Cable Seals	
Part Number	Description
J103-20611	MiniFlow Cable Seal Kit (75 pc.) - Storage Case with 4.0-12.0 mm Seals plus Blanks (5 each).
Select Seal Size(s) Nearest Intended Fiber Diameter	
Part Number	Seal I.D.
J103-10236	Blank *
J103-10238	3.0 mm
J103-130118001	3.5 mm
J103-10239	4.0 mm *
J103-10240	4.5 mm *
J103-10241	5.0 mm *
J103-10242	5.5 mm *
J103-10243	6.0 mm *
J103-10244	6.5 mm *
J103-10245	7.0 mm *
J103-10283	7.5 mm *
J103-10246	8.0 mm *
J103-10333	8.5 mm *
J103-190326002	8.5 x 5.5 mm (Flat Drop)
J103-10247	9.0 mm *
J103-130912001	9.5 mm
J103-10248	10.0 mm *
J103-121128001	11.0 mm *
J103-121128002	12.0 mm *
* Included in Cable Seal J103-20611	

Replacement Drive Chains and Support Rails (Order in Quantity of 2 each)	
J103-20013	MiniFlow Drive Chain for 4.0-12.0 mm Fiber O.D.
J103-20353	MiniFlow Drive Chain for 3.0-8.0 mm Fiber O.D.
J103-12016	Chain Support Rail for all MiniFlow Machines

For Access Network and Backbone



Long Run Power and Simplicity

Install With Air Or Water

Easy to operate, the PowerFlow uses air or water to install fiber optic cable at a distance over six miles at speeds up to 260 ft./min.

- Robust design constructed for reliable performance in tough environments
- Simple setup and user-friendly machine operation – Forward/Reverse drive modes
- Water assisted blowing provides higher pressures suitable for larger cable or longer runs
- Easily adapts to various cable and duct sizes common to network and backbone installation
- Adjustable base tilts to accommodate duct entrance angle

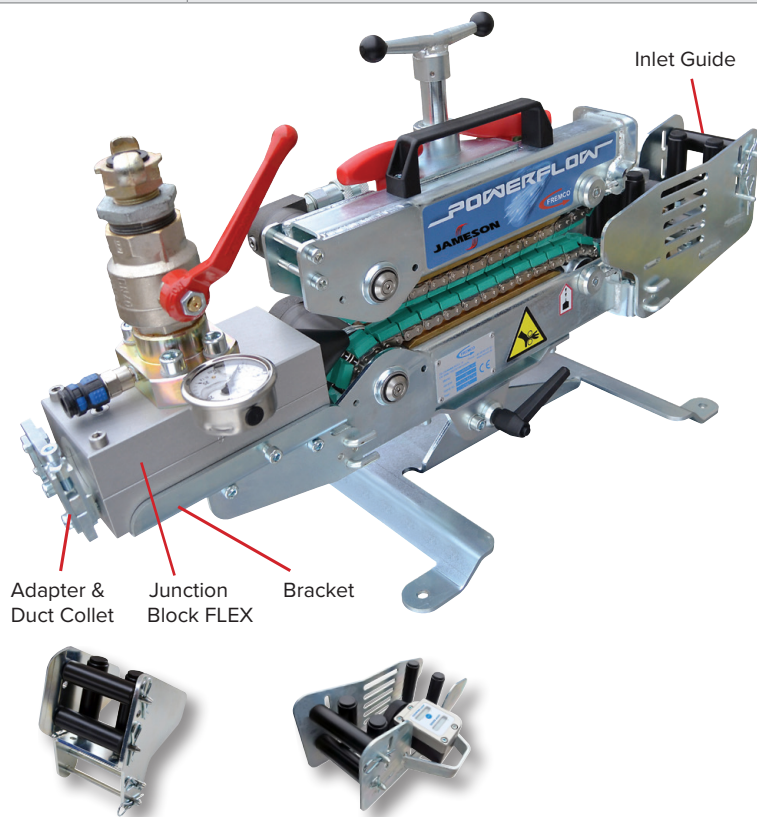
Specifications

Application	Backbone
Fiber/Cable (OD)	8-25 mm
Duct Diameter (OD)	18-70 mm
Drive Power	Hydraulic
Install Speed ² (Max.)	Up To 260 ft/min (80 m/min)
Pushing Force	0-276 lb (0-125 kg)
Blowing Distance (Max.)	Up To 32,810 ft (10000 m)
Recommended Air Flow	282.5-423.8 cfm (8000-12000 l/min.)
Recommended Air Pressure ³	120-170 psi (8-12 bar air)
Dimensions L x W x H	25.6 x 9.0 x 13.8 in (650 x 230 x 350 mm)
Weight	83.8 lb (38 kg)

Additional Equipment Needed To Run Machine:

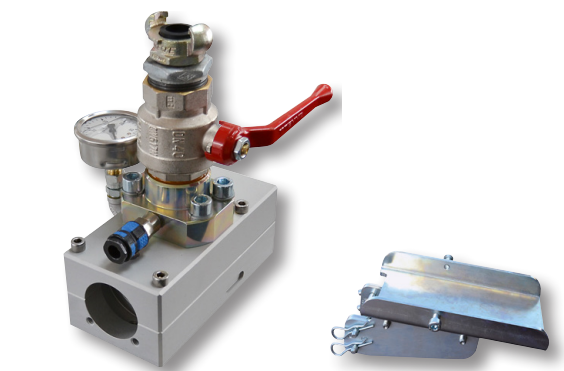
- Hydraulic Power Pack & Control Valve
- High Pressure Air Compressor

Part Number	PowerFlow Blowing Machine
J101-PF-KIT1	PowerFlow Machine for 8.0-25.00 mm Fiber O.D., Junction Block Flex and Bracket, Inlet Guide With Digital Counter
J101-PF-KIT2	PowerFlow Machine for 8.0-25.0 mm Fiber O.D., Junction Block Flex and Bracket, Inlet Guide with Digital Counter, Hydraulic Power Pack, Hydraulic Extension Hose (5 meter) with Couplings, Control Valve - Manual Return to Center, Cable Seal Kit, Aluminum Storage Case
J101-10001	PowerFlow Machine for 8.0-25.0 mm Fiber O.D.
J101-10004	PowerFlow Machine for 5.5-8.0 mm Fiber O.D.



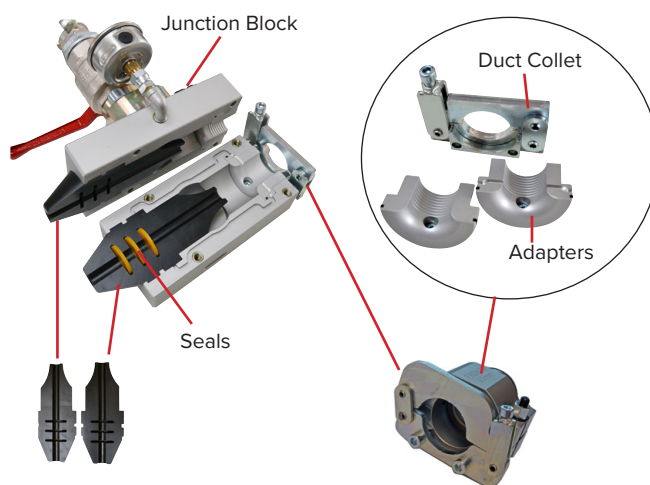
Inlet Guide

Inlet Guide With Digital Counter



Junction Block FLEX

Bracket For Junction Block



Nylon Inserts

Adapter & Duct Collet

Inlet Guides	
J103-10064	Standard Inlet Guide
J103-130917001	Inlet Guide with Digital Counter
Junction Blocks & Bracket	
J103-130424001	Junction Block FLEX
J103-180816002	Junction Block - Fixed 2" SDR 11 Duct (2.38" O.D.)
J103-140526001	Junction Block - Fixed 2" SiDR 11.5 Duct (2.45" O.D.)
J103-10478	Junction Block Bracket

PowerFlow/MultiFlow Nylon Inserts (1 Set)		
Part Number	Inlet Dia.	Fiber Dia.
J103-140611002	8.0 mm	5.5-7.0 mm
J103-10453	12.0 mm	8.0-11.0 mm
J103-10454	16.0 mm	12.0-15.0 mm
J103-10455	20.0 mm	16.0-19.0 mm
J103-10473	24.0 mm	20.0-23.0 mm
J103-10474	27.0 mm	24.0-25.0 mm

Adapters & Duct Collets	
J103-141209003	Adapter 14.0 mm Duct O.D.
J103-141209002	Adapter 16.0 mm Duct O.D.
J103-130424003	Adapter & Duct Collet - 20.0 mm Duct O.D.
J103-130415001	Adapter & Duct Collet - 25.0 mm Duct O.D.
J103-180527001	Adapter & Duct Collet - 3/4" SDR 11 Duct (1.05" O.D.)
J103-180527002	Adapter & Duct Collet - 1" SDR 11 Duct (1.32" O.D.)
J103-130424004	Adapter & Duct Collet - 1-1/4" SDR 11 Duct (1.64" O.D.)
J103-160627007	Adapter & Duct Collet - 1-1/2" SDR 11 Duct (1.91" O.D.)
J103-180820002	Adapter & Duct Collet - 2" SDR 11 Duct (2.38" O.D.)
J103-160627007	Adapter & Duct Collet 1-1/2" (48 mm) for Air Block All FLEX Types
J103-130408002	Adapter & Duct Collet 50 mm for Air Block All FLEX Types
J103-180820002	Adapter & Duct Collet 2" (60 mm)
Custom Duct Collet and Adapters Available Upon Request	

Cable Seals For Blowing Junction Box

To make blowing chamber as tight as possible

PowerFlow / MultiFlow Cable Seals

J103-20610	PowerFlow/MultiFlow Cable Seal Kit (105 pcs.) Five each size: 8.0-27.0 mm plus Blanks in plastic storage case.
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Select seal size(s) nearest intended fiber diameter

Part Number	Seal I.D.
JKA2095	Blank *
J103-10204	5.0 mm
J103-10205	6.0 mm
J103-10206	7.0 mm
J103-10207	8.0 mm *
J103-10208	9.0 mm *
J103-10209	10.0 mm *
J103-10210	11.0 mm *
J103-10211	11.5 mm
J103-10212	12.0 mm *
J103-10213	13.0 mm *
J103-10214	13.5 mm
J103-10215	14.0 mm *
J103-10216	15.0 mm *
J103-10217	16.0 mm *
J103-10218	17.0 mm *
J103-10219	18.0 mm *
J103-10220	19.0 mm *
J103-10221	20.0 mm *
J103-10222	21.0 mm *
J103-10223	22.0 mm *
J103-10271	23.0 mm *
J103-10224	24.0 mm *
J103-10225	25.0 mm *
J103-10226	26.0 mm *
J103-10227	27.0 mm *

* Included in Cable Seal J103-20610

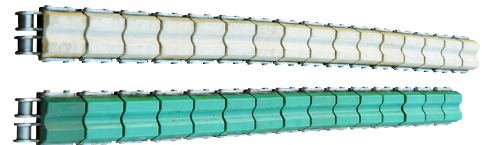


Cable Seal Kit

Cable Seals

Replacement Drive Chains and Support Rails (Order in qty. of 2 each)

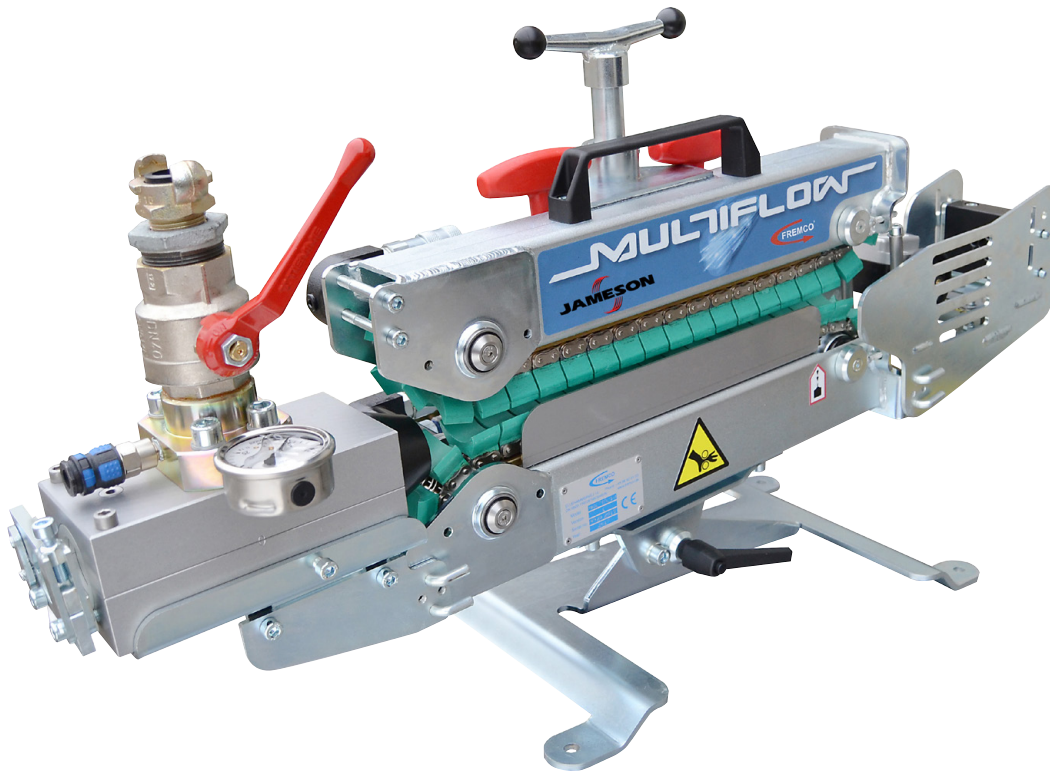
J103-20069	PowerFlow Drive Chain for 8.0-25.0 mm Fiber O.D.
J103-20308	PowerFlow Drive Chain for 5.5-8.0 mm Fiber O.D.
J103-10094	Chain Support Rail for all PowerFlow Machines
J103-130925002	Drive Chain Change Set



Optional/Replacement Chains

MULTIFLOW

For Access Network and Backbone



Single Cable Installation Or Microduct Relining

Maximum Power & Versatility!

Single Cable Installation or Microduct Relining

Specifications	
Application	Backbone
Fiber/Cable (OD)	8-32 mm
Duct Diameter (OD)	18-70 mm
Drive Power	Hydraulic
Install Speed (Max.)	260 ft/min (80 m/min)
Pushing Force	0-441 lb (0-200 kg)
Blowing Distance (Max.)	32,810 ft (10000 m)
Recommended Air Flow	282.5-423.8 cfm (8000-12000 l/min.)
Recommended Air Pressure	120-170 psi (8-12 bar air)
Dimensions L x W x H	27.5 x 9.0 x 13.8 in (700 x 230 x 350 mm)
Weight	88.2 lb (40 kg)

- Designed for maximum performance and functionality, the MultiFlow easily converts from single cable installs to microduct relining applications.
- Rugged machine design constructed for reliable performance in tough environments
- Robust hydraulic drive provides increased power for larger cable sizes or multiple microducts
- Simple setup and user-friendly machine operation – forward/reverse drive modes
- Water assisted blowing provides higher pressures suitable for larger cable or longer runs
- Easily adapts to various cable and duct sizes common to backbone installation
- Adjustable base tilts to accommodate duct entrance angle

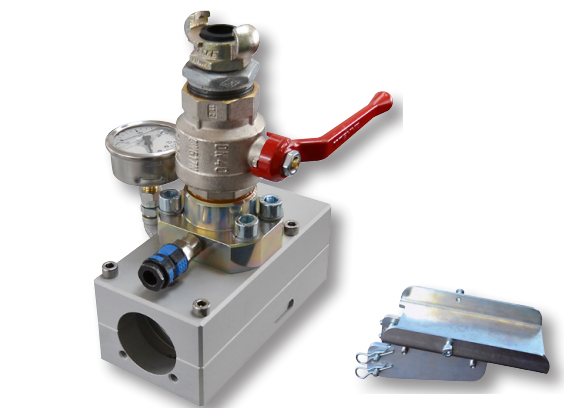
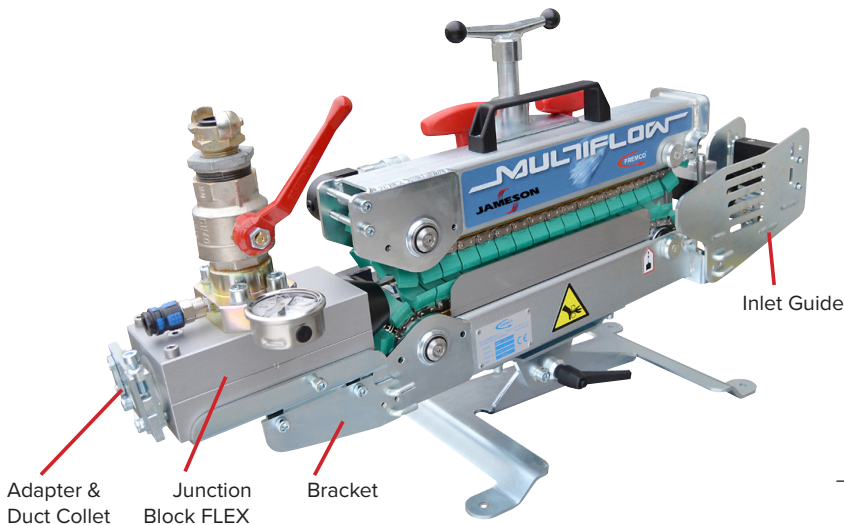
Additional Equipment Needed To Run Machine:

- Hydraulic Power Pack & Control Valve
- High Pressure Air Compressor



Single Cable Installation

Part Number	MultiFlow Blowing Machine
J101-MUF-KIT1	MultiFlow Machine for 8.0-32.00 mm Fiber O.D., Junction Block Flex and Bracket, Inlet Guide With Digital Counter
J101-MUF-KIT2	MultiFlow Machine for 8.0-32.0 mm Fiber O.D., Junction Block Flex and Bracket, Inlet Guide with Digital Counter, Hydraulic Power Pack, Hydraulic Extension Hose (5 meter) with Couplings, Control Valve - Manual Return to Center, Cable Seal Kit, Aluminum Storage Case
J101-10021	MultiFlow Machine for 8.0-32.0 mm Fiber O.D.
J101-10022	MultiFlow Machine for 5.5-8.0 mm Fiber O.D.



Junction Block FLEX

Bracket For Junction Block



Inlet Guide

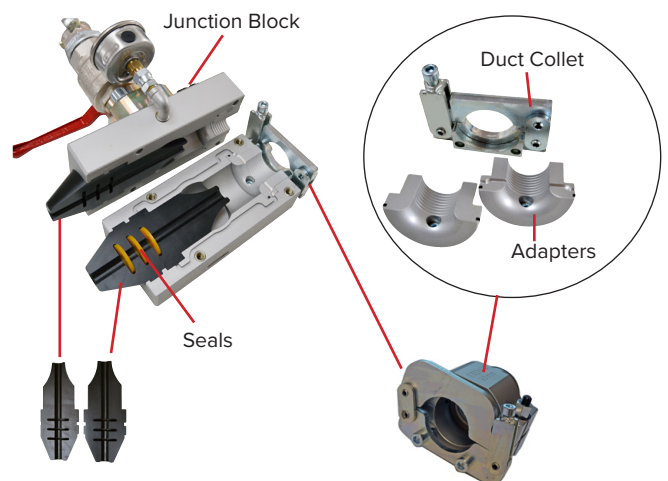


Inlet Guide With Digital Counter

Inlet Guides	
J103-10064	Standard Inlet Guide
J103-130917001	Inlet Guide with Digital Counter

Junction Blocks & Bracket	
J103-130424001	Junction Block FLEX
J103-180816002	Junction Block - Fixed 2" SDR 11 Duct (2.38" O.D.)
J103-140526001	Junction Block - Fixed 2" SiDR 11.5 Duct (2.45" O.D.)
J103-10478	Junction Block Bracket

PowerFlow/MultiFlow Nylon Inserts (1 Set)		
Part Number	Inlet Dia.	Fiber Dia.
J103-140611002	8.0 mm	5.5-7.0 mm
J103-10453	12.0 mm	8.0-11.0 mm
J103-10454	16.0 mm	12.0-15.0 mm
J103-10455	20.0 mm	16.0-19.0 mm
J103-10473	24.0 mm	20.0-23.0 mm
J103-10474	27.0 mm	24.0-26.0 mm
J103-171004002	30.0 mm	27.0-29.0 mm
Custom Nylon Inserts Available Upon Request		



Nylon Inserts

Adapter & Duct Collet

Single Cable Installation

Adapters & Duct Collets	
J103-141209003	Adapter 14.0 mm Duct O.D.
J103-141209002	Adapter 16.0 mm Duct O.D.
J103-130424003	Adapter & Duct Collet - 20.0 mm Duct O.D.
J103-130415001	Adapter & Duct Collet - 25.0 mm Duct O.D.
J103-180527001	Adapter & Duct Collet - 3/4" SDR 11 Duct (1.05" O.D.)
J103-180527002	Adapter & Duct Collet - 1" SDR 11 Duct (1.32" O.D.)
J103-130424004	Adapter & Duct Collet - 1-1/4" SDR 11 Duct (1.64" O.D.)
J103-160627007	Adapter & Duct Collet - 1-1/2" SDR 11 Duct (1.91" O.D.)
J103-180820002	Adapter & Duct Collet - 2" SDR 11 Duct (2.38" O.D.)
Custom Duct Collet and Adapters Available Upon Request	



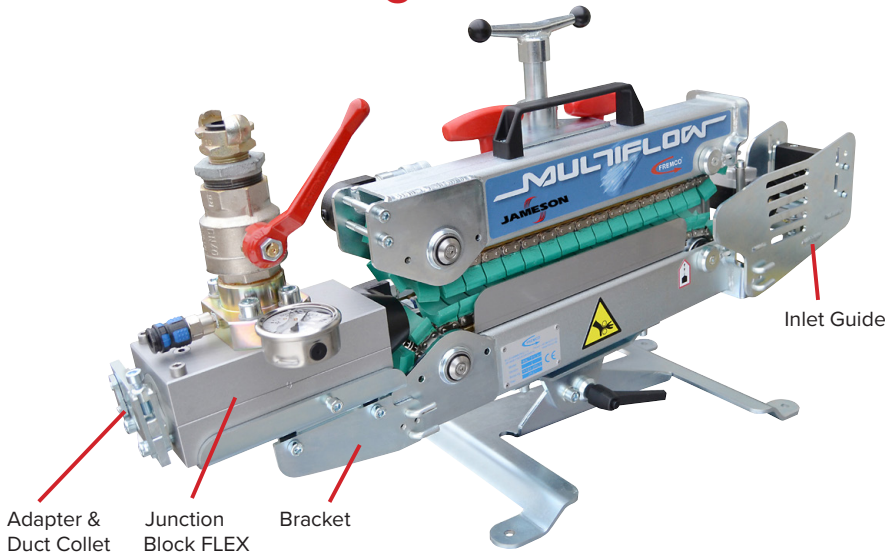
Cable Seal Kit

Cable Seals

PowerFlow/MultiFlow Cable Seals			
J103-20610	PowerFlow/MultiFlow Cable Seal Kit (105 pcs.) Five each size: 8.0-27.0 mm plus Blanks in plastic storage case.		
Select seal size(s) nearest intended fiber diameter			
Part Number	Seal I.D.	Part Number	Seal I.D.
JKA2095	Blank *	J103-10216	15.0 mm *
J103-10204	5.0 mm	J103-10217	16.0 mm *
J103-10205	6.0 mm	J103-10218	17.0 mm *
J103-10206	7.0 mm	J103-10219	18.0 mm *
J103-10207	8.0 mm *	J103-10220	19.0 mm *
J103-10208	9.0 mm *	J103-10221	20.0 mm *
J103-10209	10.0 mm *	J103-10222	21.0 mm *
J103-10210	11.0 mm *	J103-10223	22.0 mm *
J103-10211	11.5 mm	J103-10271	23.0 mm *
J103-10212	12.0 mm *	J103-10224	24.0 mm *
J103-10213	13.0 mm *	J103-10225	25.0 mm *
J103-10214	13.5 mm	J103-10226	26.0 mm *
J103-10215	14.0 mm *	J103-10227	27.0 mm *
* Included in Cable Sea Kit/ J103-20610			

Cable Seals for 30.0 mm Nylon Insert: J103-171004002	
J103-190128001	Blank
J103-131203001	20.0 mm
J103-131203002	21.0 mm
J103-131203003	22.0 mm
J103-190227001	23.0 mm
J103-190227002	24.0 mm
J103-10268	25.0 mm
J103-190227003	26.0 mm
J103-10263	27.0 mm
J103-190128002	28.0 mm
J103-190227004	29.0 mm

Microduct Relining



Part Number	MultiFlow Blowing Machine for Microduct Relining
J101-10002	MultiFlow Machine for Microduct Relining
Inlet Guides	
J103-130103001	Relining Inlet Guide with U-Bracket
J103-150113001	Relining Inlet Guide with U-Bracket and Digital Counter
J103-11513	Replacement U-Bracket for Microduct Nylon Guides
Junction Blocks, Bracket & Guide	
J103-130424001	Junction Block FLEX
J103-180816002	Junction Block - Fixed 2" SDR 11 Duct (2.38" O.D.)
J103-140526001	Junction Block - Fixed 2" SDR 11.5 Duct (2.45" O.D.)
J103-10478	Bracket for Junction Block
J103-10327	Microduct Guide for Junction Block FLEX
Inlet Guide Blocks	
J103-130624002	Inlet Guide Block, 7.0 mm x 10 Microduct
J103-10311	Inlet Guide Block, 7.0 mm x 13 Microduct
J103-10312	Inlet Guide Block, 7.0 mm x 15 Microduct
J103-150505002	Inlet Guide Block, 10.0 mm x 3 Microduct
J103-130830001	Inlet Guide Block, 10.0 mm x 5 Microduct
J103-10487	Inlet Guide Block, 10.0 mm x 7 Microduct
J103-121008002	Inlet Guide Block, 12.0 mm x 3 & 7 mm x 6 Microduct
J103-10480	Inlet Guide Block, 12.0 mm x 5 Microduct
J103-120412002	Inlet Guide Block, 12.0 mm x 6 Microduct
J103-10315	Inlet Guide Block, 12.0 mm x 7 Microduct
J103-10257	Inlet Guide Block, 12.0 mm x 10 Microduct
J103-10338	Inlet Guide Block, 14.0 mm x 4 Microduct
J103-141209001	Inlet Guide Block, 14.0 mm x 5 Microduct
J103-10483	Inlet Guide Block, 14.0 mm x 4 & 12 mm x 1 Microduct
J103-10313	Inlet Guide Block, 16.0 mm x 3 Microduct
Custom Inlet Guide Blocks Available Upon Request	



Junction Block FLEX



Bracket For Junction Block



U-Bracket



Relining Inlet Guide With U-Bracket



Relining Inlet Guide With Digital Counter & U-Bracket



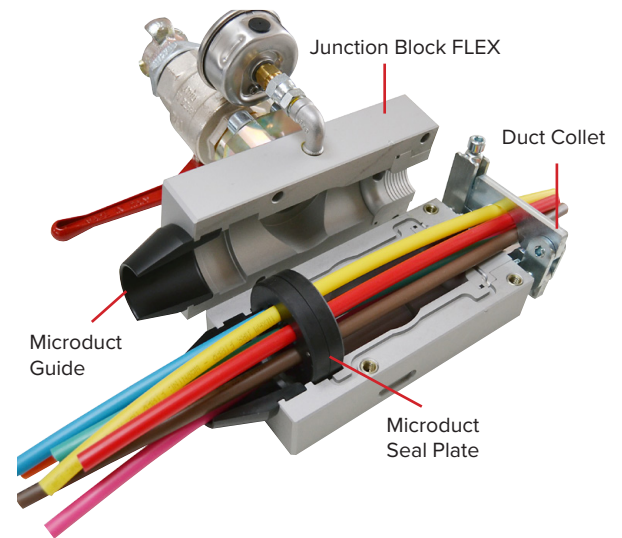
Inlet Guide Block

Microduct Relining

Adapters & Duct Collets	
J103-141209003	Adapter 14.0 mm Duct O.D.
J103-141209002	Adapter 16.0 mm Duct O.D.
J103-130424003	Adapter & Duct Collet - 20.0 mm Duct O.D.
J103-130415001	Adapter & Duct Collet - 25.0 mm Duct O.D.
J103-180527001	Adapter & Duct Collet - 3/4" SDR 11 Duct (1.05" O.D.)
J103-180527002	Adapter & Duct Collet - 1" SDR 11 Duct (1.32" O.D.)
J103-130424004	Adapter & Duct Collet - 1-1/4" SDR 11 Duct (1.64" O.D.)
J103-160627007	Adapter & Duct Collet - 1-1/2" SDR 11 Duct (1.91" O.D.)
J103-180820002	Adapter & Duct Collet - 2" SDR 11 Duct (2.38" O.D.)
Custom Duct Collet and Adapters Available Upon Request	

Microduct Relining Seal Plates	
J103-120319001	Seal Plate, 7.0 mm x 7 Microduct
J103-10319	Seal Plate, 7.0 mm x 7 & 10.0 mm x 3 Microduct
J103-130624001	Seal Plate, 7.0 mm x 10 Microduct
J103-10321	Seal Plate, 7.0 mm x 10 & 10.0 mm x 1 Microduct
J103-10252	Seal Plate, 7.0 mm x 13 Microduct
J103-10253	Seal Plate, 7.0 mm x 15 Microduct
J103-10442	Seal Plate, 7.0 mm x 19 Microduct
J103-111229001	Seal Plate, 8.0 mm x 7 Microduct
J103-150505001	Seal Plate, 10.0 mm x 3 Microduct
J103-10316	Seal Plate, 10.0 mm x 3 & 12.0 mm x 1 Microduct
J103-10254	Seal Plate, 10.0 mm x 5 Microduct
J103-10255	Seal Plate, 10.0 mm x 7 Microduct
J103-121008001	Seal Plate, 12.0 mm x 3 & 7.0 mm x 6 Microduct
J103-10318	Seal Plate, 12.0 mm x 5 Microduct
J103-120412001	Seal Plate, 12 mm x 6 Microduct
J103-10320	Seal Plate, 12.0 mm x 7 Microduct
J103-10443	Seal Plate, 12.0 mm x 8 Microduct
J103-10336	Seal Plate, 14.0 mm x 4 Microduct
J103-10482	Seal Plate, 14 mm x 4 & 12.0 mm x 1 Microduct
J103-121022002	Seal Plate, 14.0 mm x 5 Microduct
J103-10317	Seal Plate, 16.0 mm x 3 Microduct
Custom Seal Plates Available Upon Request	

Seal Plate Plugs	
J103-10324	Seal Plate Plugs, 7.0 mm
J103-111227003	Seal Plate Plugs, 8.0 mm
J103-10150	Seal Plate Plugs, 10.0 mm
J103-10149	Seal Plate Plugs, 12.0 mm
J103-10481	Seal Plate Plugs, 14.0 mm
J103-10323	Seal Plate Plugs, 16.0 mm



Adapter & Duct Collet
For 20-50 mm duct



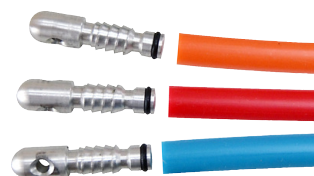
Microduct Seal Plate



Seal Plate Plugs

Relining Microducts

Microduct Relining Plugs (I.D./O.D)	
JK7	Relining Plug, Aluminum, 5.5/7.0 mm Microduct
JK10	Relining Plug, Aluminum, 8.0/10.0 mm Microduct
JK12	Relining Plug, Aluminum, 10.0/12.0 mm Microduct
JK14	Relining Plug, Aluminum, 10.0/14.0 mm Microduct
JK16	Relining Plug, Aluminum, 12.0/16.0 mm Microduct
Microduct Relining Fill Valve	
J103-10044	Fill Valve, 7.0 mm Microduct
J103-10045	Fill Valve, 10.0 mm Microduct
J103-10046	Fill Valve, 12.0 mm Microduct
J103-120131003	Fill Valve, 14.0 mm Microduct
J103-10047	Fill Valve, 16.0 mm Microduct

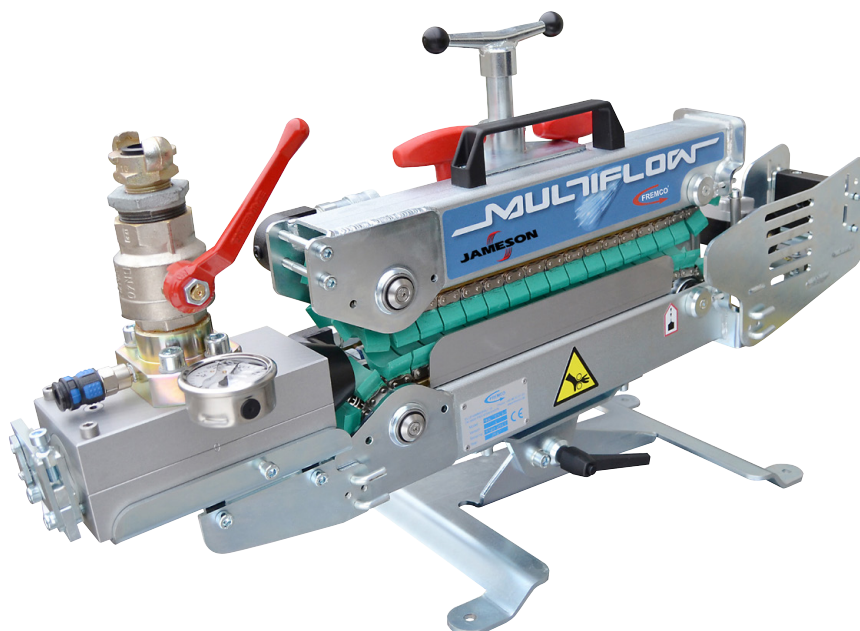
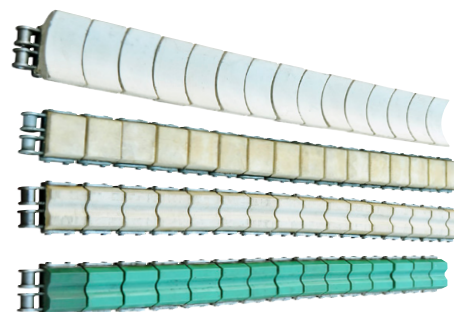


Relining Plugs For Pressurizing Microduct

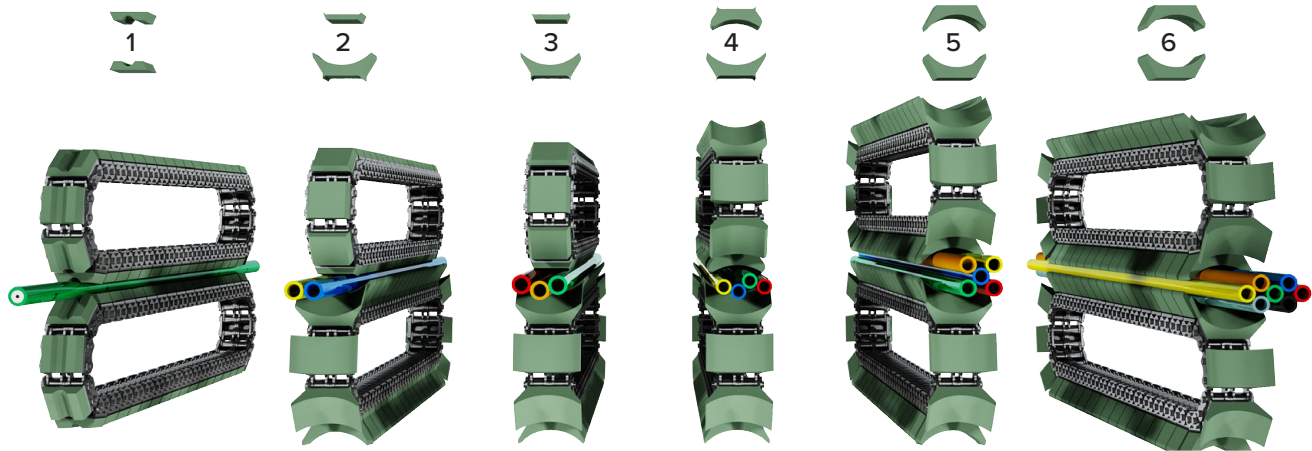


Fill Valve For Pressurizing Microduct

Replacement Drive Chains and Support Rails (Order in qty. of 2 each)	
J103-20067	MultiFlow Drive Chain for Microduct - Wide Profile
J103-20068	MultiFlow Drive Chain for Microduct - Narrow Profile
J103-20070	MultiFlow Drive Chain for 8.0-32.0 mm Fiber O.D.
J103-20355	MultiFlow Drive Chain for 5.5-8.0 mm Fiber O.D.
J103-10168	Chain Support Rail for all MultiFlow Machines
J103-130925002	Drive Chain Change Set



CHAIN CONFIGURATIONS



- 1 Top chain: J103-20070 MultiFlow chain for single cable.
Bottom chain: J103-20070 MultiFlow chain for single cable.
- 2 Top chain: J103-20279 Chain MultiFlow (3 x 10 mm. duct).
Bottom chain: J103-20067 MultiFlow chain for multiple microducts wide profile.
- 3 Top chain: J103-20279 Chain MultiFlow (3 x 10 mm. duct).
Bottom chain: J103-20067 MultiFlow chain for multiple microducts wide profile.
- 4 Top chain: J103-20068 MultiFlow chain for multiple microducts narrow profile.
Bottom chain: J103-20067 MultiFlow chain for multiple microducts wide profile.
- 5 Top chain: J103-20067 MultiFlow chain for multiple microducts wide profile.
Bottom chain: J103-20067 MultiFlow chain for multiple microducts wide profile.
- 6 Top chain: J103-20067 MultiFlow chain for multiple microducts wide profile.
Bottom chain: J103-20067 MultiFlow chain for multiple microducts wide profile.



Cable Mouse

Use with PowerFlow & MultiFlow to improve blowing of single cable in 32, 40 & 50 mm buried sub ducts. It builds up air or water pressure at tip of cable to improve blowing distance. This requires round & fairly straight ducts. The mouse can be used with max. 14 mm cables.

Silicone gaskets (4 pcs needed) available in: 28, 32, 36 & 42 mm.



Calibration Probe

Use with PowerFlow & MultiFlow to check/calibrate 32, 40 and 50 mm buried sub ducts. Probe is sent (with air pressure) through a duct prior to installation of cable. The length and size of the probe reveals whether there are sharp curves, fractures or impurities in the duct (it is important to mount a catch at the opposite end of the duct).

If probe gets stuck, it can be tracked at 33 KHz. The probe can also be mounted on a cable rod to be retracted manually or with machine.

Fiber Blowing Accessories

J103-10037	Cable Mouse - Up to 12mm Fiber O.D., for PowerFlow and MultiFlow
J103-10038	Cable Mouse - Up to 14mm Fiber O.D., for PowerFlow and MultiFlow
J103-10490	Calibration Probe (32-50mm Duct O.D.), for PowerFlow and MultiFlow
JKA1079-28	Silicone Seal (28mm), for Cable Mouse/Calibration Probe
JKA1079-32	Silicone Seal (32mm), for Cable Mouse/Calibration Probe
JKA1079-36	Silicone Seal (36mm), for Cable Mouse/Calibration Probe
JKA1079-42	Silicone Seal (42mm), for Cable Mouse/Calibration Probe
JKA1090-42	Support Washer for Silicone Seal (42mm)
Cable End Caps - Screw on end of cable to helps reduce friction & protect cable end during blowing process.	
JK02S	Cable End Cap, Brass (2.5mm O.D.) for 2.0mm Cable
JK03S	Cable End Cap, Brass (4.0mm O.D.) for 3.0mm Cable
JK04S	Cable End Cap, Brass (4.5mm O.D.) for 4.0mm Cable
JK05S	Cable End Cap, Brass (5.5mm O.D.) for 5.0mm Cable
JK06S	Cable End Cap, Brass (6.5mm O.D.) for 6.0mm Cable
JK07S	Cable End Cap, Brass (7.5mm O.D.) for 7.0mm Cable
JK08S	Cable End Cap, Brass (8.5mm O.D.) for 8.0mm Cable
JK09S	Cable End Cap, Brass (9.5mm O.D.) for 9.0mm Cable
JK10S	Cable End Cap, Brass (10.5mm O.D.) for 10.0mm Cable
JK11S	Cable End Cap, Brass (11.5mm O.D.) for 11.0mm Cable
JK12S	Cable End Cap, Brass (12.5mm O.D.) for 12.0mm Cable
JK13S	Cable End Cap, Brass (13.5mm O.D.) for 13.0mm Cable
JK14S	Cable End Cap, Brass (14.5mm O.D.) for 14.0mm Cable

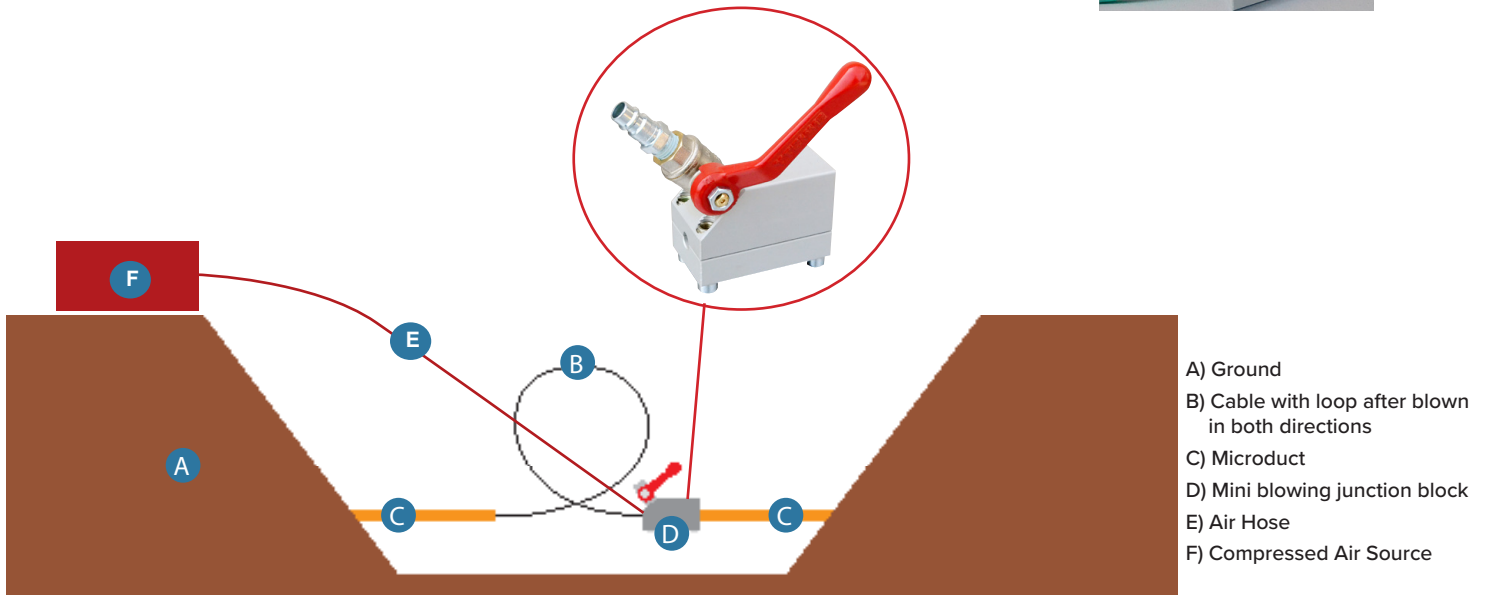
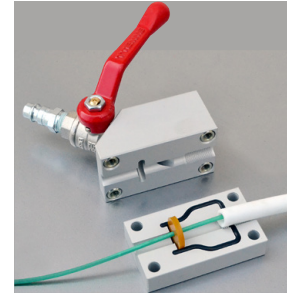


Cable End Caps

Mini Junction Blowing Block

Mini Junction Blowing Block can also be used to install fiber short distances using air only. This is useful in areas too tight for a regular fiber blowing machine.

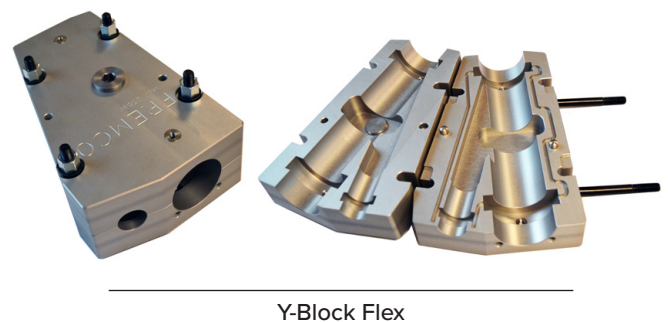
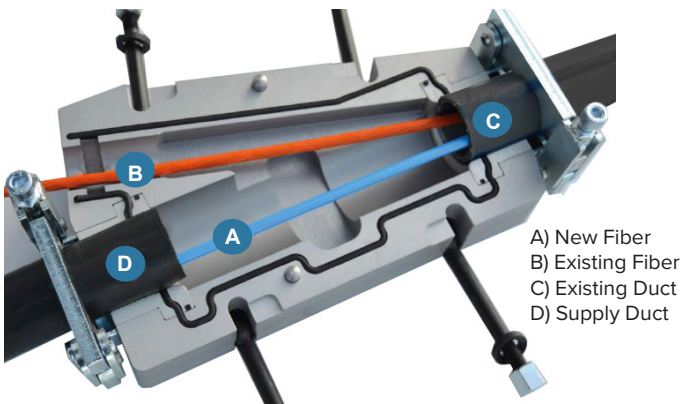
Mini Junction Blowing Blocks	
J103-180314001	Mini Junction Blowing Block for 12mm Duct O.D., (2) 12" x 12mm Duct, (1 ea.) 12 to 10mm and 12 to 8mm Duct Reducers, (2 ea.) MiniFlow Cable Seals 3mm-8mm Fiber O.D., (1) Allen Key
J103-10350	Mini Junction Blowing Block for 14mm Duct O.D.



Y-Block Flex

Allows overblowing new fiber into existing duct containing previously installed fiber. Accepts all PowerFlow and MultiFlow Adapters and Duct Collets for 14.0 mm O.D. to 2" SDR 11 Duct. Y-Inlet utilizes PowerFlow/MultiFlow cable seals. See PowerFlow/MultiFlow sections for required Adapters, Duct Collets, and Cable Seals.

Y-Block FLEX	
J103-180726005	Y-Block FLEX for overblowing new fiber into existing duct.



Y-Block Flex

Accessories

Hydraulic Pumps & Control Valves

J101-10102	Hydraulic Power Pack (Honda 5.5HP 4-Stroke OHV Gas Engine)
J101-10103	Hydraulic Power Pack (Electric 380V)
J103-150903001	Control Valve (Manual Return-to-Center) with Hoses, 5ft. (1.5m) each side
J103-10041	Control Valve (Spring Return-to-Center) with Hoses, 5ft. (1.5m) each side

Hydraulic Extension Hoses

J103-130208001	Hydraulic Extension Hose 15ft. (5m), Set of 2 with Couplings
J103-20258	Hydraulic Extension Hose 45ft. (15m), Set of 2 with Couplings

Air / Water Hoses

J103-130529001	Flexible Hose 3/4"x15' (5m) - 290 psi (20 bar) with Chicago-type Couplings
J103-130814001	Flexible Hose 3/4"x30' (10m) - 290 psi (20 bar) with Chicago-type Couplings
J103-130529002	Flexible Hose 3/4"x45' (15m) - 290 psi (20 bar) with Chicago-type Couplings
J103-30155	Flexible Air Hose 3/8"x30' (10m) with 1/4" Quick-Connect Couplings

Blowing Lubrication

J101-30530	FlowLub 5000 for MicroFlow/MiniFlow, 1 Qt.
J101-30531	FlowLub 5000 for MicroFlow/MiniFlow, Case of 12 (1 Qt. Bottles)
J101-30540	FlowLub 2000 for PowerFlow/MultiFlow, 1 Qt.
J101-30541	FlowLub 2000 for PowerFlow/MultiFlow, Case of 12 (1 Qt. Bottles)

After Coolers

JAC-245	Aftercooler for MiniFlow (245CFM)
JAC-540	Aftercooler for PowerFlow/MultiFlow (540CFM)



Hydraulic Pump



Hydraulic Control Valve



Air Hose
With Chicago-Type
Couplings



Hydraulic
Extension Hose



Air Hose
With Quick-Connect
Couplings



Lubrication

After Cooler

Use between compressor and blowing machine. High pressure air can achieve very high temperatures that may cause melt damage to cables and ducts. Cold and dry air also improves blowing length.

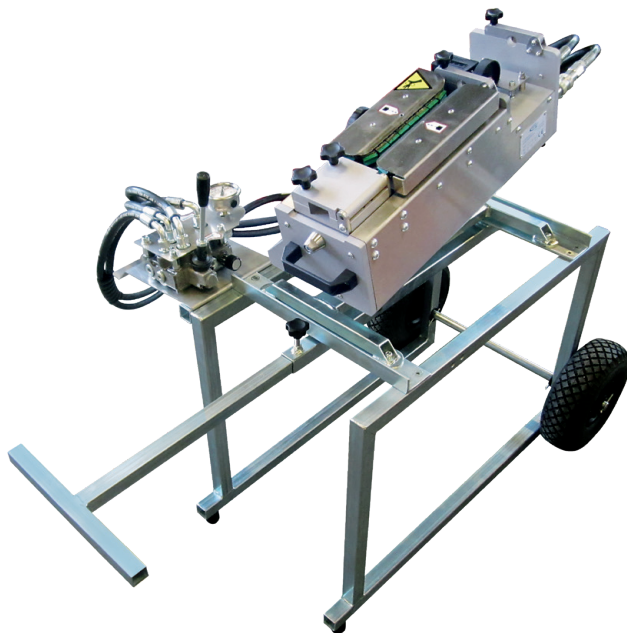




Transport Cases

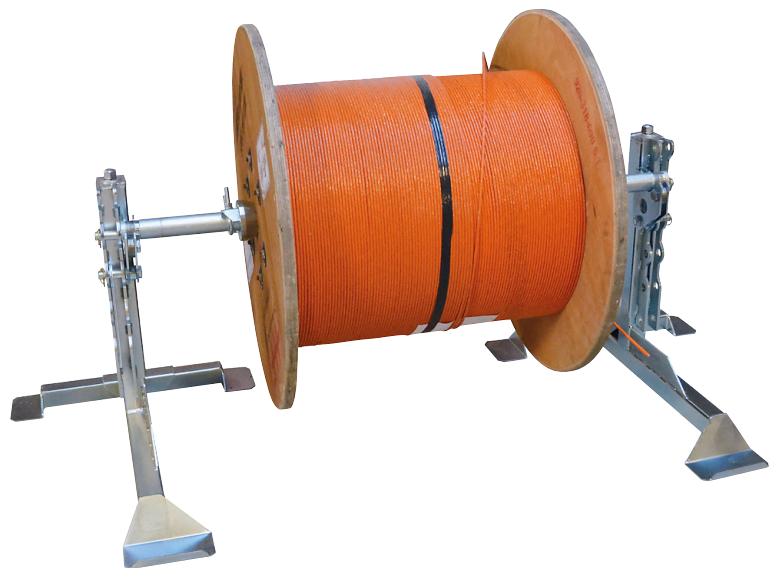
Heavy duty case protects machine and accessories during transport. On the jobsite, case converts into stable workstation for machine.

Transport Cases	
J103-MF-CASE	Aluminum Transport Case for MiniFlow
J103-PFMF-CASE	Aluminum Transport Case for PowerFlow/MultiFlow



Fiber Blowing Trolleys	
J103-130215001	PowerFlow/MultiFlow Trolley
J103-170705001	MiniFlow Trolley

Features mounting for hydraulic control valve, telescopic handle and air-filled rubber wheels.



Reel Stand	
J101-20011	Adjustable Reel Stand (Set of 2) with Axle, 20"-70" (500-1800mm) Reel Dia., 3,500 lb. (1600kg) Max. Load

Adjustable Reel Stand with lifting jacks is made of galvanized steel, with a robust hand-operated mechanical lifting system. Lifting arms offer five-position adjustable shaft supports; detachable frame. Ensures smooth and easy feed of cable from the drum to improve blowing length.

