

ENGINEERING
TOMORROW

Danfoss

Master Catalog

Core crimp machines & tooling master catalog

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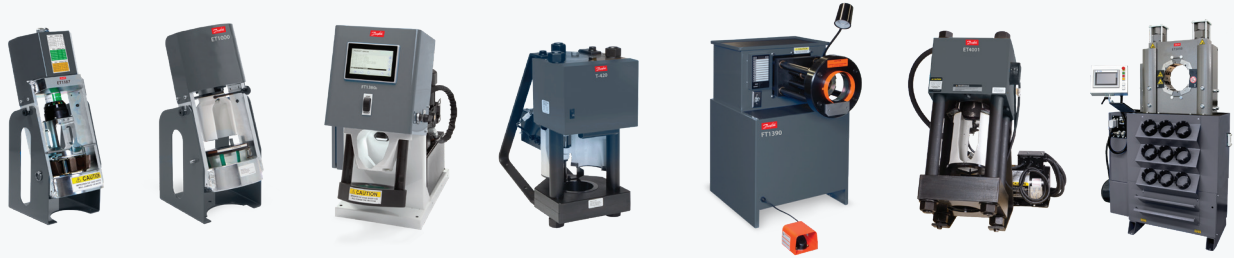
Introducing the Danfoss core crimp machine lineup.

With the Danfoss-branded crimp machine portfolio, both Aeroquip and Weatherhead customers have access to the same crimp machines and tooling. This simplified and improved offering includes lower cost options as well as both positive stop and variable machines to meet all of your application needs. Refer to the crimp machine comparison chart for details on the updated crimp machine portfolio and the uses, features, and capabilities of each of the machines.

Crimp machine comparison chart

Danfoss's lineup of positive stop and variable crimpers includes portable, general service, and industrial production options. Compare our offering of crimp machines and their associated features to understand which crimper is best for you.

Core crimp machines



ET1187

ET1000

FT1380/
FT1380e

T-420

FT1390

ET4001

ET5050

Production volume	Low	Low	Medium	Medium	Medium/high	Medium	High
Type	Variable	Positive stop	Variable	Positive stop	Variable	Positive stop	Variable
Capability-braided (up to)	1 1/4"	1"	1 1/4"	1 1/4"	2"	2"	2"
Capability-spiral (up to)	1"	1"	1 1/4"	1 1/4"	2"	2"	2"
Capability-industrial (up to)	1 1/4"	1"	1 1/4"	1 1/4"	2"	2"	4"
Application	Portable, job shops, maintenance departments	Portable, job shops, maintenance departments	Hose distributors, small assembly shops	Hose distributors, small assembly shops, factory, construction, mines	Hose distributors, assembly shops	Hose distributors, assembly shops, construction, mines	Industrial production facility, specialty
*Pump options	110v, air/hydraulic, 12v, hand pump	110v, air/hydraulic, 12v, hand pump	115v, 230v	110v, 220v	115v, 230v	220v	230v, 380v, 400v, 420v, 440v, 460v, 480v,

*Capabilities based on Danfoss core hose and fitting products

*See pump ordering options for each machine for specific kit numbers

Portable crimp machines

ET1187

The ET1187 machine is our most economical variable crimp machine to date. It boasts a broad crimp capability with a new “ease-of-use” that is sure to excite hose assemblers in the field.



This machine is designed to easily adjust to the Aeroquip™ and Weatherhead™ core products. It's as simple as turning the collar to the correct color to match the layline on the hose, adjust the ring so that the correct size dot aligns with the correct size line on the collar and the machine is set for the correct crimp. Load the correct crimp die based on the crimp die chart attached to the machine, and the machine is ready to crimp.



GH681 / H180



GH781 / H280



GH493 / H430



Micrometer dial

Tooling options

Tooling	Tooling packages				
	1 wire braid TTC/Z/Winner	2 wire braid TTC/Z/Winner	Spiral hose 4S fitting	ET4020TP-0002	ET4020TP-0003
FT1380-200-M150	-4	-4		X	X
FT1380-200-M180	-6	-4†		X	X
FT1380-200-M210	-8	-6	-6	X	X
FT1380-200-M240	-10	-8	-8††	X	X
FT1381-200-M280	-12	-10, -12†	-8, -10	X	X
FT1380-200-M320		-12	-12	X	X
FT1380-200-M370	-16	-16		X	X
FT1380-200-M420			-16		X
FT1382-200-M465	-20	-20			X

†Die cage used to crimp Winner hose with two piece Winner fitting

††Die cage used to crimp Winner hose with 4S fitting

Note: Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp

Specifications

Dimensions:

22" high x 9" wide x 11" deep

Weight: 65 lbs

Available with bench and truck mount brackets



Bench mount



Truck mount

Capabilities

Braided hose: -4 thru -20

Spiral hose: -6 thru -16

Features

- Can be mounted on service vehicles or bench tops
- Can be used remotely, 65lbs
- Can be powered with virtually any 10,000 psi hydraulic power source (minimum of 36 cu. inch pump reservoir capacity is required)
- Utilizes existing FT1380 dies

Benefits

- Color-coded collar for core hose products makes setup fast and easy
- Easily transported between job sites
- Versatile power source options
- Lower investment cost than other variable crimpers
- Comes with high efficiency PTFE grease

Crimp machine part numbers

ET1187-001 Bench mount machine, no pump, no tooling (includes bracket)—for premium hose GH681/H180, GH781/H280, GH493/H430)

ET1187-002 Truck mount machine, no pump, no tooling (includes bracket)—for premium hose GH681/H180, GH781/H280, GH493/H430)

ET1187-003 Bench mount machine, no pump, no tooling (includes bracket)—for Winner hose EC115, EC215, EC118

ET1187-004 Truck mount machine, no pump, no tooling (includes bracket)—for Winner hose EC115, EC215, EC118

*Pump part numbers

ET1000PK-001 2-Stage hand pump

ET1000PK-002 Air/hydraulic pump

ET1000PK-003 110v electric pump

ET1000PK-004 12v DC electric pump

*These pump kits include the pump, connecting hose assembly, and all of the adapters necessary to connect the pump to the ET1187 crimp machine

Accessory part numbers

T-400-G 1.5 oz. tube, high efficiency PTFE grease

FF91455 16 oz. can, high efficiency PTFE grease

ET1187C-0008PR Replacement barrel for the ET1187-001 or ET1187-002 machine (for premium hose GH681/H180, GH781/H280, GH493/H430)

ET1187C-0008WR Replacement barrel for the ET1187-003 or ET1187-004 machine (for Winner hose EC115, EC215, EC118)

ET1187C-0009PR Replacement knob for the ET1187-001 or ET1187-002 machine (for premium hose GH681/H180, GH781/H280, GH493/H430)

ET1187C-0009WR Replacement knob for the ET1187-003 or ET1187-004 machine (for Winner hose EC115, EC215, EC118)

ET1187C-0017 Bench mount bracket (separate)

ET1187C-0019 Truck mount bracket (separate)

ET1187C-0028 Handle kit

ET1187C-0029 Portability kit

Ordering options

Place your order for the desired machine, pump, and tooling separately, following the chart below. Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select your base machine	Select your pump kit	Select your tooling package
ET1187-001 Base machine with bench mount only	ET1000PK-003 110v pump kit	ET4020TP-0002
ET1187-002 Base machine with truck mount only	ET1000PK-002 A/H pump kit	ET4020TP-0003
ET1187-003 Base machine with bench mount only (for Winner hose EC115, EC215, EC118)	ET1000PK-004 12v pump kit	
ET1187-004 Base machine with truck mount only (for Winner hose EC115, EC215, EC118)	ET1000PK-001 Hand pump kit	

Note: All available pump kits shown include hose assembly and are CSA compliant

Portable crimp machines

ET1000

The portable ET1000 crimp machine boasts a broad crimp capability with an ease-of-use that is sure to please hose assemblers. With four pump options—air/hydraulic, hand, 110v, or 12v DC—this portable machine can travel to the worksite. The machine comes equipped with a stand pre-drilled for mounting to a workbench or table-top.



Tooling options

Tooling		Tooling capabilities		Tooling packages	
Die cage part #	1 wire braid	2 wire braid	Spiral hose 4S	*ET1000TP-1002 New placement package	*ET1000TP-1001 Conversion package
ET313DC-4Z	-4	-4		X	X
ET313DC-5Z	-5	-5			
ET313DC-6Z	-6	-6		X	X
ET313DC-8Z	-8	-8		X	X
ET313DC-10Z	-10	-10			
ET1000DC-12Z	-12	-12		X	X
ET1000DC-16Z	-16	-16		X	X
ET313DC-4S6			-6		
ET313DC-4S8			-8	X	X
ET313DC-4S10			-10		
ET1000DC-4S12			-12	X	X
ET1000DC-4S16			-16	X	X

*ET1000TP-1002 includes the following spacer rings—ET425SR-150A, ET313SR-090A, ET313SR-030D

*ET1000TP-1002 includes pusher extension—ET1000C-0012

*ET1000TP-1002 includes adapter ring—ET1000AR-001

*ET1000TP-1001 includes the following spacer rings—ET425SR-150A, ET313SR-090A

Note: Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp

Crimp machine part numbers

ET1000-001 Base machine

Crimp machine and tooling package part numbers

ET1000-020 Contains ET1000 crimper, 110v pump kit, and ET1000TP-1002 tooling package

ET1000-021 Contains ET1000 crimper, air/hydraulic pump kit, and ET1000TP-1002 tooling package

Specifications

Dimensions:

22" high x 16" wide x 14" deep

Weight: 70 lbs

Allows for work bench or table top mounting

Capabilities

Braided hose: -4 thru -16

Spiral hose: -6 thru -16

Features

- Portable, positive stop, economical
- Can be mounted on service vehicles
- Utilizes 2-piece collet assemblies
- Spacer rings control the crimp diameter

Benefits

- Sliding pusher allows for easier fitting insertion into the machine
- Simple positive-stop crimp diameter control system for consistent crimping time after time with no operator adjustments required
- Easily transported between job sites
- Versatile power source options
- Electricity is required only when using an electric pump
- Comes with high efficiency PTFE grease

*Pump part numbers

ET1000PK-001 Hand pump

ET1000PK-002 Air/hydraulic pump

ET1000PK-003 110 volt electric pump

ET1000PK-004 12 volt DC electric pump

*Pump kits contain hose assembly and fittings to attach pump to machine

Accessory part numbers

T-400-G 1.5 oz. tube high efficiency PTFE grease

FF91455 16 oz. can, high efficiency PTFE grease

ET1187C-0028 Handle kit

ET1187C-0029 Portability kit

ET1000C-0020 Shroud

ET1000C-0021 Wall bracket

ET1000C-0001 Bench mount bracket (included with base machine)

Ordering options

For your convenience, we have created one to two optimized machine and tooling package options for each of the core crimp machines.

If the available options do not meet your needs, place your order for the desired machine, pump, and tooling separately, following the chart below.

Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select your base machine	Select your pump kit	Select your tooling package	Order a machine package with tooling
ET1000-001 Base ET1000 Machine	ET1000PK-003 110v pump kit	ET1000TP-1002 New placement tooling package	ET1000-020
	ET1000PK-002 A/H pump kit	ET1000TP-1001 Conversion tooling package	ET1000-021
	ET1000PK-004 12v pump kit		
	ET1000PK-001 Hand pump kit		

Note: All available pump kits shown include hose assembly and are CSA compliant

General purpose crimp machines

FT1380/FT1380e

The FT1380 crimp machine from Danfoss crimps all your hose needs up to and including -20 spiral wire hose. The FT1380 is electronically controlled to give fast, accurate crimps the first time and every time you need a hose assembly. The electronic keypad is easy to adjust, with up to 10 programmable crimp settings. For hose styles and sizes used less frequently, simply enter the 3 digit code of that hose.

For FT1380e specifications and ordering details, please refer to:

[FT1380e Electronic Crimper by Danfoss: Spec Sheet AV418159937321en-000201](#)



Tooling options

Tooling	Tooling capabilities				Tooling packages	
Die cage part #	1 wire braid TTC/Z/Winner	2 wire braid TTC/Z/Winner	Spiral hose 4S fitting	Spiral hose 6S fitting	ET4020TP-0002	ET4020TP-0003
FT1380-200-M150	-4	-4			X	X
FT1380-200-M180	-6	-4†			X	X
FT1380-200-M210	-8	-6	-6		X	X
FT1380-200-M240	-10	-8	-8††		X	X
FT1381-200-M280	-12	-10,-12†	-8,-10		X	X
FT1380-200-M320		-12	-12		X	X
FT1380-200-M370	-16	-16			X	X
FT1380-200-M420			-16			X
FT1382-200-M465	-20	-20	-20	-16		X
FT1382-275-M520				-20		

†Die cage used to crimp designated hose diameter with two piece Winner fitting

††Die cage used to crimp Winner hose with 4S fitting

Note: Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp

Crimp machine part numbers

FT1380-115 Base machine with 115v pump

FT1380-115CSA Base machine with 115v pump, CSA approved

FT1380-230 Base machine with 230v pump

FT1380-230CSA Base machine with 230v pump, CSA approved

Crimp machine and tooling package part numbers

FT1380-115-8 Contains FT1380 crimper, 115v pump, and ET4020TP-0003 tooling package

FT1380-115-8CSA Contains FT1380 crimper, 115v pump, and ET4020TP-0003 tooling package, CSA approved

Pump part numbers

All pumps are included with machine purchase. To review machine and pump package options please refer to the ordering options on the following page.

Specifications

Dimensions:

28.5" high x 12.75" wide x 25.75" deep

Weight:

238 lbs

Allows for work bench or table top mounting

Capabilities

Braided hose: -4 thru -20

Spiral hose: -6 thru -20

Features

- User-friendly operation to minimize training and mistakes
- Pre-set crimp settings and simple die cage insertion reduce setup time
- Electronic controls for minimal maintenance
- Upright design for easy hose insertion
- Compact design that requires little space

Benefits

- Easy and quick to electronically enter crimp settings
- Can pre-program 10 most popular crimp settings
- Die cages easily slip in and out of machine
- Machine capable of swaging thermoplastic hose and hose fittings
- Comes with high efficiency PTFE grease

Accessory part numbers

FT1380-2-4 Optional die holder kit—kit includes 4 die holder plates each of which will hold 2 die cages. Holes are pre-drilled on base of FT1380 machine to accept these 4 plates.

FT1380-4 Optional fitting backstop—kit includes backstop and 5/32" hex wrench. The backstop allows the FT1380 to crimp PTFE hose and to be utilized for a fitting locator to increase efficiency.

FT1330-XL TTC/Z fitting locators

FT1380-XL 4S fitting locators

T-400-G 1.5 oz. tube high efficiency PTFE grease

FF91455 16 oz. can, high efficiency PTFE grease

FT1380-2-9 Die cage repair kits for FT1380-200-size, FT1380-275-size

Ordering options

For your convenience, we have created one to two optimized machine and tooling package options for each of the core crimp machines. **If the available options do not meet your needs, place your order for the desired machine, pump, and tooling separately,** following the chart below.

Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select your base machine	Pump included	Select your tooling package	Order a machine package with tooling:
FT1380-115 Base machine with 115v pump	115v pump included	ET4020TP-0003	FT1380-115-8
FT1380-115CSA Base machine with 115v pump, CSA approved	115v pump included	ET4020TP-0002	FT1380-115-8CSA
FT1380-230 Base machine with 230v pump	230v pump included		
FT1380-230CSA Base machine with 230v pump, CSA approved	230v pump included		

Note: Consider an alternative positive stop machine when crimping large quantities of -20 90 degree fittings

Specialty crimp die cages

Tooling	Tooling capabilities	
Die cage part #	Hose size	Hose style
FT1380-275-M070	-03	PTFE
FT1380-275-M090	-03 Synflex, -04, -05 PTFE	Synflex, PTFE
FT1380-275-M120	-04 Synflex, -06 PTFE	Synflex, PTFE
FT1382-275-M370	-16	Two-piece Winner
FT1382-275-M520	-20	6S
*FT1380-275-R5-04	-04	Truck and fuel 100R5
*FT1380-275-R5-05	-05	Truck and fuel 100R5
*FT1380-275-R5-06	-06	Truck and fuel 100R5
*FT1380-275-R5-08	-08	Truck and fuel 100R5
*FT1380-275-R5-10	-10	Truck and fuel 100R5
*FT1380-275-R5-12	-12	Truck and fuel 100R5
*FT1380-275-R5-16	-16	Truck and fuel 100R5
*FT1380-275-R5-20	-20	Truck and fuel 100R5

*Tooling above for use with Aeroquip hose and fittings

General purpose crimp machines

T-420

The T-420 is a versatile machine ideal for your shop, factory, construction, and mine locations. Large capacity combined with lever-activated crimping gives you wide coverage and a quick and simple way to make factory-quality hose assemblies.



Tooling options

Tooling	Tooling capabilities			Tooling packages	
Die cage part #	1 wire braid	2 wire braid	Spiral hose 4S	T420TP-1001	*T420TP-1002 (for Winner hose with TTC/Z fittings)
ET425DC-4Z	-4	-4		X	X
ET425DC-5Z	-5	-5			
ET425DC-6Z	-6	-6		X	X
ET425DC-8Z	-8	-8		X	X
ET425DC-10Z	-10	-10			
ET425DC-12Z	-12	-12		X	X
ET425DC-16Z	-16	-16		X	X
ET425DC-20Z	-20	-20			X
ET425DC-4S6			-6		X
ET425DC-4S8			-8	X	X
ET425DC-4S10			-10		
ET425DC-4S12			-12	X	X
ET425DC-4S16			-16	X	X
ET425DC-4S20			-20	X	X

*T-420-26 die ring no longer included with base machine

*T420TP-1001 includes spacer ring ET425SR-105A

*T420TP-1001 includes adapter ring ET425AR-14

*T420TP-1002 includes adapter ring ET425AR-14

*T420TP-1002 includes the following spacer rings—ET425SR-075A, ET425SR-030D, ET425SR-015A, ET425SR-060D, ET425SR-030A, ET425SR-045A, ET425SR-015D, ET425SR-060A, ET425SR-165A, ET425SR-105A, ET425SR-090A

Note: Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp

Crimp machine part numbers

T-420-1 Base T-420 machine

T-420-1CSA Base T-420 machine, CSA approved

Specifications

Dimensions:
22" high x 10" wide x
20-1/2" deep

Weight: 210 lbs

Bench and C-40X cabinet
mounting options

Capabilities

Braided hose: -4 thru -20

Spiral hose: -6 thru -20

Features

- Positive stop, economical
- Can be mounted on a bench or the C-40X cabinet
- Utilizes 2-piece collet assemblies
- Spacer rings control the crimp diameter

Benefits

- Simple positive-stop crimp diameter control system for consistent crimping time after time with no operator adjustments required
- Versatile power source options
- Comes with high efficiency PTFE grease

Crimp machine and tooling package part numbers

T-420-001 Contains T-420 crimper, 220v pump kit, T420TP-1001 tooling package

T-420-002 Contains T-420 crimper, 110v pump kit, T420TP-1001 tooling package

T-420-001CSA Contains T-420 crimper, 220v pump kit, T420TP-1001 tooling package, CSA approved

T-420-002CSA Contains T-420 crimper, 110v pump kit, T420TP-1001 tooling package, CSA approved

Pump part numbers

ET420-007 110 volt electric pump

ET420-007CSA 110 volt electric pump, CSA approved

ET420-008 220 volt electric pump

ET420-008CSA 220 volt electric pump, CSA approved

Accessory part numbers

T-400-G 1.5 oz. tube high efficiency PTFE grease

FF91455 16 oz. can, high efficiency PTFE grease

Ordering options

For your convenience, we have created one to two optimized machine and tooling package options for each of the core crimp machines.

If the available options do not meet your needs, place your order for the desired machine, pump, and tooling separately, following the chart below.

Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select your base machine	Select your pump kit	Select your tooling package	Order a machine package with tooling
T-420-1 Base T-420 machine	ET420-007 110v pump	T420TP-1001	T-420-001
T-420-1CSA Base T-420 machine, CSA approved	ET420-007CSA 110v pump, CSA approved	T420TP-1002 (for Winner hose with TTC/Z fittings)	T-420-002
	ET420-008 220v pump		T-420-001CSA
	ET420-008CSA 220v pump, CSA approved		T-420-002CSA

General purpose crimp machines

FT1390

The FT1390 crimp machine is a stand-alone machine and will crimp up to 2" braided, 2" four spiral, and 2" six spiral hydraulic hose assemblies. It boasts a programmable electronic keypad with 10 presets.



This keypad simplifies the hose crimping operation by allowing the machine operator to enter a predetermined setting for a specific hose type and size. The ten most often used crimp settings can be stored for one-touch retrieval. The machine will automatically crimp to the exact crimp diameter required for that hose type and size. The electronic crimp machine settings eliminate the need for spacers or shims in the crimping operation.

Tooling options

Tooling	Tooling capabilities				Tooling packages	
Die cage part #	1 wire braid	2 wire braid	Spiral hose 4S	Spiral hose 6S	ET4040TP-0007	ET4040TP-0008
FT1307-200-M150	-4	-4			X	
FT1307-200-M180	-6				X	
FT1307-200-M210	-8	-6	-6		X	
FT1307-200-M240	-10	-8			X	
FT1307-200-M280	-12	-10, -12†	-8, -10		X	
FT1307-200-M320		-12			X	
FT1307-200-M370	-16	-16			X	
FT1307-200-M420	-20††		-16		X	
FT1307-200-M465	-20	-20			X	
FT1307-200-M520	-24				X	
FT1307-200-M550		-24			X	
FT1307-200-M630	-32††					
FT1307-200-M690	-32	-32, -32††			X	
FT1209-200-82			-12		X	
FT1209-200-15		-24†				
FT1209-200-46		-20†				
*FT1390-200-14			-20			X
*FT1390-200-20			-24			X
*FT1390-200-23			-32			X
*FT1390-200-15				-20		
*FT1390-200-16				-24		
*FT1390-200-21		-40		-32		

*Die cages are hinged for ease of use when crimping large elbows

†Die cage used to crimp designated hose diameter with two piece Winner fitting

††Die Cage used to crimp Winner Hose with TTC fitting

Note: Two piece Winner fitting not qualified with -32 core hose products (used with EC110-32 and GH506-32)

Note: Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp

Specifications

Dimensions:

49" high, 29" wide, 28" deep

Weight: 825 lbs

Capabilities

Braided hose: -4 thru -32

Spiral hose: -6 thru -32

Features

- Front-end loading design
- Electronic keypad control of crimp diameter
- Power return stroke, return limit control
- Drop-in tooling (crimp die cages)
- Backstop fitting locator
- Worklamp equipped

Benefits

- Easy and quick to electronically enter crimp setting
- Can pre-program 10 most popular crimp settings
- Die cages easily slip in and out of machine
- Comes with high efficiency PTFE grease

Crimp machine part numbers

FT1390-115 Base machine with 115v pump

FT1390-115CSA Base machine with 115v pump, CSA approved

FT1390-230 Base machine with 230v pump

FT1390-230CSA Base machine with 230v pump, CSA approved

Crimp machine and tooling package part numbers

FT1390-115-12 Contains FT1390 crimper with 115v pump, and ET4040TP-0007 tooling package

FT1390-115-12CSA Contains FT1390 crimper with 115v pump, and ET4040TP-0007 tooling package, CSA approved

Pump part numbers

All pumps are included with machine purchase. To review machine and pump package options please refer to the ordering options below.

Accessory part numbers

T-400-G 1.5 oz. tube high efficiency PTFE grease

FF91455 16 oz. can, high efficiency PTFE grease

Ordering options

For your convenience, we have created one to two optimized machine and tooling package options for each of the core crimp machines.

If the available options do not meet your needs, place your order for the desired machine, pump, and tooling separately, following the chart below.

Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select your base machine	Pump included	Select your tooling package	Order a machine package with tooling
FT1390-115 Base machine with 115v pump	FT1390-115 115v pump included	ET4040TP-0007	FT1390-115-12
FT1390-115CSA Base machine with 115v pump, CSA approved	FT1390-115CSA 115v pump included	ET4040TP-0008	FT1390-115-12CSA
FT1390-230 Base machine with 230v pump	FT1390-230 230v pump included		
FT1390-230CSA Base machine with 230v pump, CSA approved	FT1390-230CSA 230v pump included		

General purpose crimp machines

FT1390 (continued)



Specialty crimp die cages

Tooling	Tooling capabilities	
Die cage part #	Hose size	Hose style
FT1209-200-14	-20	4S
FT1209-200-15	-20	6S
FT1209-200-16	-24	6S
FT1209-200-20	-24	4S
FT1209-200-21	-32	6S
FT1209-200-23	-32	4S
FT1390-200-21	-40	2B
FT1307-200-M070	-03 PTFE	PTFE
FT1307-200-M090	-03 Synflex, -04, -05 PTFE	Synflex, PTFE
FT1307-200-M120	-04 Synflex, -06 PTFE	Synflex, PTFE

Note: Additional dies and die cage assemblies also available. Refer to website or contact Danfoss

Note: FT1209-200-size & FT1390-200-size are for use with internal skive and 4S/6S fittings (SAE100R11 & SAE100R13 hose styles).

Note: FT1390-200-size dies cages are hinged to allow ease of use when crimping large elbows

Barrel crimp die cages

Die cage part #	Hose size	Hose style
FT1307-200-R5-04	-04	Truck and fuel 100R5
FT1307-200-R5-05	-05	Truck and fuel 100R5
FT1307-200-R5-06	-06	Truck and fuel 100R5
FT1307-200-R5-08	-08	Truck and fuel 100R5
FT1307-200-R5-10	-10	Truck and fuel 100R5
FT1307-200-R5-12	-12	Truck and fuel 100R5
FT1307-200-R5-16	-16	Truck and fuel 100R5
FT1307-200-R5-20	-20	Truck and fuel 100R5
FT1307-200-R5-24	-24	Truck and fuel 100R5
FT1307-200-R5-32	-32	Truck and fuel 100R5
*FT1392-200-R5-24	-24	Truck and fuel 100R5
*FT1392-200-R5-32	-32	Truck and fuel 100R5

*Hinged die cage

Note: Tooling above for use with Aeroquip hose and fittings

Die cage repair kits

Die cage part #	Order
FT1307-200-size	FT1307-2-9
FT1390-200-size	FT1390-2-9
FT1209-200-size	FT1209-2-9

General purpose crimp machines

ET4001

The ET4001 is ideal for factory, high-performance machine operations, construction and mine locations. This machine offers the capabilities of crimping all of the crimp-style hose ends through -32. With this coverage, this heavy-duty crimper can handle all of your crimping needs.



Tooling options

Tooling	Tooling capabilities				Tooling packages		
Die cage part #	1 wire braid	2 wire braid	Spiral hose 4S	Spiral hose 6S	*ET4001TP-1002 new placement package	*ET4001TP-1001 conversion package	*ET4001TP-1003 (for Winner hose with TTC/Z fittings)
ET525DC-4Z	-4	-4			X	X	X
ET525DC-5Z	-5	-5					X
ET525DC-6Z	-6	-6			X	X	X
ET525DC-8Z	-8	-8			X	X	X
ET525DC-10Z	-10	-10					X
ET525DC-12Z	-12	-12			X	X	X
ET525DC-16Z	-16	-16			X	X	X
ET525DC-20Z	-20	-20			X		X
ET525DC-24Z	-24	-24			X		X
ET525DC-32Z	-32	-32			X		
ET525DC-4S6			-6				X
ET525DC-4S8			-8		X	X	X
ET525DC-4S10			-10				
ET525DC-4S12			-12		X	X	X
ET525DC-4S16			-16		X	X	X
ET525DC-4S20			-20		X	X	X
ET575DC-4S24			-24		X	X	X
ET575DC-4S32			-32		X	X	X
ET525DC-6S20				-20			
ET575DC-6S24				-24			
ET575DC-6S32				-32			

*ET4000AR-001 adapter ring included with base machine

*ET4001TP-1002 includes the following spacer rings—ET575SR-135A, ET525SR-120A, ET525SR-180A, ET525SR-225A, ET525SR-240A

*ET4001TP-1002 includes adapter ring ET4000AR-002

*ET4001TP-1001 includes the following spacer rings—ET575SR-135A, ET525SR-120A

*ET4001TP-1003 includes the following spacer rings—ET525SR-030A, ET575SR-120A, ET575SR-015A, ET525SR-075A, ET525SR-015A, ET525SR-180A, ET525SR-090A, ET525SR-075D, ET525SR-045A, ET525SR-240A, ET525SR-015D, ET525SR-060A, ET525SR-195A, ET525SR-120A, ET525SR-105A

Note: Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp

Specifications

Dimensions:
29" high, 12" wide, 21" deep

Weight: 550 lbs
Bench or Work Table Mounting

Capabilities

Braided Hose: -4 thru -32

Spiral Hose: -6 thru -32

Features

- Shop / work table mount, positive stop
- Features a two-stage pump providing high flow at low pressure for fast ram approach and low flow at high pressure for actual crimping

Benefits

- Ideal for factory, construction and mine locations
- Crimps up to 2" 6 wire spiral hose
- Comes with high efficiency PTFE grease

Crimp machine part numbers

ET4001-004 Base ET4001 machine with hose kit, pump, work lamp

ET4001-004CSA Base ET4001 machine with hose kit, pump, work lamp, CSA approved

Pump part numbers

ET4001P-002 220v single phase electric pump

T-410-22 36" pump to press hose assembly

ET4001P-002CSA 220v single phase electric pump, CSA approved

Crimp machine and tooling package part numbers

ET4001-015 Contains ET4001 crimper, 220v pump kit, and ET4001TP-1002 tooling package

ET4001-015CSA Contains ET4001 crimper, 220v pump kit, and ET4001TP-1002 tooling package, CSA approved

Accessory part numbers

T-400-G 1.5 oz. tube high efficiency PTFE grease

FF91455 16 oz. can, high efficiency PTFE grease

ET4001C-0017 Magnetic work lamp

FF91042 Crimper cart

Ordering options

For your convenience, we have created one to two optimized machine and tooling package options for each of the core crimp machines. **If the available options do not meet your needs, place your order for the desired machine, pump, and tooling separately,** following the chart below.

Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select your base machine	Pump included	Select your tooling package	Order a machine package with tooling
ET4001-004 Base ET4001 machine with hose kit, pump, work lamp	ET4001-004 220v pump included	ET4001TP-1002 New placement tooling package	ET4001-015
ET4001-004CSA Base ET4001 machine with hose kit, pump, work lamp, CSA approved	ET4001-004CSA 220v pump included	ET4001TP-1003 (for Winner hose with TTC/Z fittings)	ET4001-015CSA
		ET4001TP-1001 Conversion tooling package	

ET5050

The ET5050 is designed for high industrial production and comes pre-programmed with all of Danfoss's hose and hose fitting crimp specifications, crimp profile details, and machine settings in order to crimp to Danfoss's specifications. It crimps up to 2" spiral, 2" braided and 4" industrial in Danfoss core hose products as well as a wide variety of specialty hose.



Tooling packages: standard die

Standard die set part #	Die size		Die length		Minimum		Crimp range maximum	
	mm	in	mm	in	mm	in	mm	in
ET5040DC-M070S	7,0	0.276	82,0	3.23	7,0	0.28	9,0	0.35
ET5040DC-M090S	9,0	0.354	82,0	3.23	9,0	0.35	12,0	0.47
ET5040DC-M120S	12,0	0.472	82,0	3.23	12,0	0.47	15,0	0.59
*ET5040DC-M150S	15,0	0.590	82,0	3.23	15,0	0.59	18,0	0.71
*ET5040DC-M180S	18,0	0.709	82,0	3.23	18,0	0.71	21,0	0.83
*ET5040DC-M210S	21,0	0.827	82,0	3.23	21,0	0.83	24,0	0.95
*ET5040DC-M240S	24,0	0.945	82,0	3.23	24,0	0.95	28,0	1.10
*ET5040DC-M280S	28,0	1.102	82,0	3.23	28,0	1.10	32,0	1.26
ET5040DC-M320S†	32,0	1.259	82,0	3.23	32,0	1.26	37,0	1.46
ET5040DC-M355S	35,5	1.398	82,0	3.23	35,5	1.40	39,5	1.56
*ET5040DC-M370S	37,0	1.457	82,0	3.23	37,0	1.46	42,0	1.66
*ET5040DC-M420S	42,0	1.654	82,0	3.23	42,0	1.66	46,5	1.83
ET5040DC-M450S	45,0	1.772	82,0	3.23	45,0	1.77	50,0	1.97
*ET5040DC-M465S	46,5	1.831	82,0	3.23	46,5	1.83	52,0	2.05
ET5040DC-M505S	50,5	1.988	82,0	3.23	50,5	1.99	54,0	2.13
*ET5040DC-M520S	52,0	2.047	82,0	3.23	52,0	2.05	55,0	2.17
*ET5040DC-M550S	55,0	2.165	82,0	3.23	55,0	2.17	60,0	2.36
ET5040DC-M570S	57,0	2.244	82,0	3.23	57,0	2.24	64,0	2.52
ET5040DC-M590S	59,0	2.323	82,0	3.23	59,0	2.32	66,0	2.60
ET5040DC-M620S	62,0	2.441	82,0	3.23	62,0	2.44	70,0	2.76
*ET5040DC-M690S	69,0	2.717	82,0	3.23	69,0	2.72	73,0	2.87
ET5040DC-M720S	72,0	2.835	82,0	3.23	72,0	2.84	78,0	3.07
ET5040DC-M775S	77,5	3.051	82,0	3.23	77,5	3.05	85,5	3.37
ET5040DC-M790S	79,0	3.110	82,0	3.23	79,0	3.11	88,0	88,0

*Included in the ET5040C-0023 standard die kit

†Supplied with all ET5040 crimp machines and required for calibration

ET5040C-0001 adapter die required for all M series dies and comes standard in each KT machine package

Specifications

Dimensions:

67" high x 24" wide x 48" deep

Weight: 1,851 lbs (without mounting rack and dies)

Capabilities

Spiral hose: up to 2" (DN51)

Braided hose: up to 3" (DN80)

Industrial hose: up to 6" (DN102)

Features

- 280 tons of crimp force
- Designed for high production
- Pre-programmed with Danfoss crimp specs and machine settings
- Crimps up to 2" spiral, 2" braided, 4" industrial in core products
- Crimps textile braid, wire braid, spiral hydraulic, thermoplastic, PTFE, air conditioning, and other industrial and specialty hose constructions

Benefits

- Ease of use and fast cycle times increase productivity
- Pre-loaded Danfoss crimp specs reduce errors and scrap
- Fast and safe crimp operation
- Grease free dies allow for much easier and cleaner die changeout and reduce chance for operator error due to not having to apply grease to dies and crimp ring
- Convenient die storage rack allows easy access to crimp dies and tooling

Tooling: large bore die

Standard die set part #	Die size		Die length		Minimum		Crimp range maximum	
	mm	in	mm	in	mm	in	mm	in
ET5040PBL-M740	74,0	2.913	118,0	4.65	74,0	2.92	83,0	3.26
ET5040PBL-M780	78,0	3.070	118,0	4.65	78,0	3.07	86,0	3.38
ET5040PBL-M840	84,0	3.307	118,0	4.65	84,0	3.31	92,0	3.62
ET5040PBL-M860	86,0	3.386	118,0	4.65	86,0	3.39	94,0	3.70
ET5040PBL-M900	90,0	3.543	118,0	4.65	90,0	3.55	99,0	3.89
ET5040PBL-M960	96,0	3.800	118,0	4.65	96,0	3.80	105,0	4.13
ET5040PBL-M1030	103,0	4.055	118,0	4.65	103,0	4.06	113,0	4.44
ET5040PBL-M1060	106,0	4.173	126,0	4.96	106,0	4.18	116,0	4.56
ET5040PBL-M1110	110,0	4.331	126,0	4.96	110,0	4.33	121,0	4.76
ET5040PBL-M1160	116,0	4.567	126,0	4.96	116,0	4.57	127,0	4.99
ET5040PBL-M1210	121,0	4.764	126,0	4.96	121,0	4.77	133,0	5.23
ET5040PBL-M1260	126,0	4.961	126,0	4.96	126,0	4.96	138,0	5.43
ET5040PBL-M1310	131,0	5.157	126,0	4.96	131,0	5.16	144,0	5.66

Note: Each set includes 8 individual dies

100R5 dies for the ET5050

Die part #	Hose size	Hose style
ET5040DC-R5-04	-04	Truck and fuel 100R5
ET5040DC-R5-05	-05	Truck and fuel 100R5
ET5040DC-R5-06	-06	Truck and fuel 100R5
ET5040DC-R5-08	-08	Truck and fuel 100R5
ET5040DC-R5-10	-10	Truck and fuel 100R5
ET5040DC-R5-12	-12	Truck and fuel 100R5
ET5040DC-R5-16	-16	Truck and fuel 100R5
ET5040DC-R5-20	-20	Truck and fuel 100R5
ET5040DC-R5-24	-24	Truck and fuel 100R5
ET5040DC-R5-32	-32	Truck and fuel 100R5

*Crimp machine part numbers

ET5050-001-230KT

ET5050-001-380KT

ET5050-001-400KT

ET5050-001-420KT

ET5050-001-440KT

ET5050-001-460KT

ET5050-001-480KT

*All crimp machine part numbers come with the machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack

Industrial production crimp machines

ET5050 (continued)



Pump part numbers

All pumps are included with machine purchase. To review machine and pump package options please refer to the following ordering options.

Accessory part numbers

*ET5040C-0001† Adapter die package (Supplied with ET5050 crimp machines. Required for use with ET5040DC style dies and used to calibrate machine.)

*ET5040C-0004 Die installation tool

ET5040C-0006 Automatic backstop

ET5040C-0007 Manual backstop

ET5050C-0009 Viewing mirror

*ET5040C-0014 Machine mounted die storage rack (includes insert holders)

ET5040C-0016 Table top die storage rack (includes insert holders)

*ET5040C-0019† Calibration tool (supplied with ET5050 crimp machines)

*ET5040C-0020 Double pedal foot switch

*ET5040C-0023 Includes 11 of the most popular standard ET5040DC style die sets

ET5040DC-M320S† 32mm die set

ET5040DC-MXXX Standard die sets

ET5040PBL-MXXX Large bore industrial hose die sets

ET4001C-0017 Magnetic work lamp

*Components included in machine kit packages "KT"

†Calibration tooling (supplied with all ET5050 base machines)

Note: Please note that ET5050 shares dies, crimp components, and some accessories with the ET5040

Ordering options

Tooling can also be ordered a la carte. Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp.

Select a machine kit	Kit includes	Pump included
ET5050-001-230KT	ET5050-001-230 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	230v 3 phase pump included
ET5050-001-380KT	ET5050-001-380 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	380v 3 phase pump included
ET5050-001-400KT	ET5050-001-400 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	400v 3 phase pump included
ET5050-001-420KT	ET5050-001-420 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	420v 3 phase pump included
ET5050-001-440KT	ET5050-001-440 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	440v 3 phase pump included
ET5050-001-460KT	ET5050-001-460 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	460v 3 phase pump included
ET5050-001-480KT	ET5050-001-480 machine, calibration tooling, die installation tool, standard die package, adapter die package, double foot pedal and machine mounted storage rack	480v 3 phase pump included

Machine and tooling order process

For your convenience, we have created one to two optimized machine and tooling package options for each of the core crimp machines. If the available options do not meet your needs, place your order for the desired machine, pump, and tooling separately, following the chart below.

Machine	Part description	110v pump kit	220v pump kit	A/H pump kit
	ET1187-001	Base ET1187 machine with bench mount bracket, no pump	ET1000PK-003	ET1000PK-002
	ET1187-002	Base ET1187 machine with truck mount bracket, no pump	ET1000PK-003	ET1000PK-002
	ET1187-003	Base ET1187 Winner machine with bench mount bracket, no pump	ET1000PK-003	ET1000PK-002
	ET1187-004	Base ET1187 Winner machine with truck mount bracket, no pump	ET1000PK-003	ET1000PK-002
	ET1000-001	Base ET1000 machine, no pump	ET1000PK-003	ET1000PK-002
	FT1380-115/FT1380e-115	115v machine		
	FT1380-115CSA/FT1380e-115CSA	115v machine CSA		
	FT1380-230/FT1380e-230	230v machine		
	FT1380-230CSA/FT1380e-230CSA	230v machine CSA		
	T-420-1	Machine	ET420-007	ET420-008
	T-420-1CSA	Machine	ET420-007CSA	ET420-008CSA
	FT1390-115	115v machine		
	FT1390-115CSA	115v machine CSA		
	FT1390-230	230v machine		
	FT1390-230CSA	230v machine CSA		
	ET4001-004	Base ET4001 machine with hose kit, pump, work lamp		
	ET4001-004CSA	Base ET4001 machine with hose kit, pump, work lamp CSA approved		
	ET5050-001-230KT	ET5050 machine with tooling		
	ET5050-001-380KT	ET5050 machine with tooling		
	ET5050-001-400KT	ET5050 machine with tooling		
	ET5050-001-420KT	ET5050 machine with tooling		
	ET5050-001-440KT	ET5050 machine with tooling		
	ET5050-001-460KT	ET5050 machine with tooling		
	ET5050-001-480KT	ET5050 machine with tooling		

*Visit the Crimp Specs tool at danfoss.com/crimp to find the tooling needed for all of the hoses and fittings you plan to crimp. For desktop users—select your assembly machine(s), hose series and size, & fitting style to get your results. Locate the download icon and select either PDF or Excel to generate your custom chart.

(Machines Continued)	12 v pump kit	Hand pump kit	Conversion tooling package	New placement tooling package	Winner tooling package	Machine package with optimized tooling
ET1187-001	ET1000PK-004	ET1000PK-001		ET4020TP-0002, ET4020TP-0003		
ET1187-002	ET1000PK-004	ET1000PK-001		ET4020TP-0002, ET4020TP-0003		
ET1187-003	ET1000PK-004	ET1000PK-001		ET4020TP-0002, ET4020TP-0003		
ET1187-004	ET1000PK-004	ET1000PK-001		ET4020TP-0002, ET4020TP-0003		
ET1000-001	ET1000PK-004	ET1000PK-001	ET1000TP-1001	ET1000TP-1002		ET1000-020, ET1000-021
FT1380-115 FT1380e-115				ET4020TP-0002, ET4020TP-0003		FT1380-115-8 FT1380e-115-9
FT1380-115CSA FT1380e-115CSA				ET4020TP-0002, ET4020TP-0003		FT1380-115-8CSA FT1380e-115-9CSA
FT1380-230 FT1380e-230				ET4020TP-0002, ET4020TP-0003		
FT1380-230CSA FT1380e-230CSA				ET4020TP-0002, ET4020TP-0003		
T-420-1			T420TP-1001	T420TP-1001	T420TP-1002	T-420-001, T-420-002
T-420-1CSA			T420TP-1001	T420TP-1001	T420TP-1002	T-420-001CSA, T-420-002CSA
FT1390-115				ET4040TP-0007, ET4040TP-0008		FT1390-115-12
FT1390-115CSA				ET4040TP-0007, ET4040TP-0008		FT1390-115-12CSA
FT1390-230				ET4040TP-0007, ET4040TP-0008		
FT1390-230CSA				ET4040TP-0007, ET4040TP-0008		
ET4001-004			ET4001TP-1001	ET4001TP-1002	ET4001TP-1003	ET4001-015
ET4001-004CSA			ET4001TP-1001	ET4001TP-1002	ET4001TP-1003	ET4001-015CSA
ET5050-001-230KT				ET5040C-0023		ET5050-001-230KT
ET5050-001-380KT				ET5040C-0023		ET5050-001-380KT
ET5050-001-400KT				ET5040C-0023		ET5050-001-400KT
ET5050-001-420KT				ET5040C-0023		ET5050-001-420KT
ET5050-001-440KT				ET5040C-0023		ET5050-001-440KT
ET5050-001-460KT				ET5040C-0023		ET5050-001-460KT
ET5050-001-480KT				ET5040C-0023		ET5050-001-480KT

Note: See individual machine page for machine and tooling package contents

We're changing the crimping game.

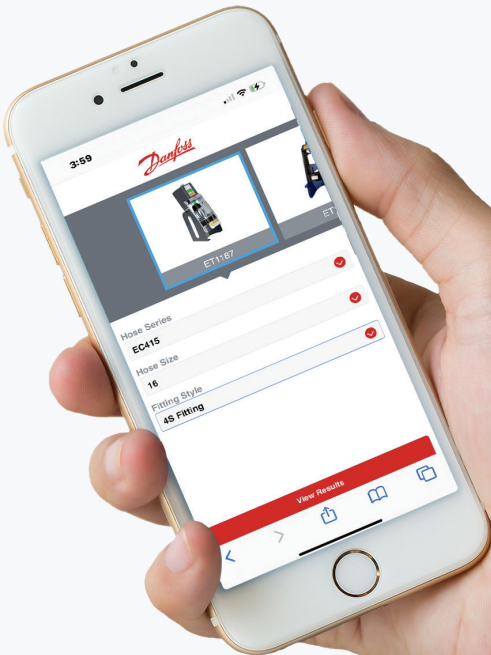
Mobile crimp tool

We've made it easier to help your customers find the proper crimp spec anytime, anywhere with the new mobile crimp spec tool on PowerSource.

Visit danfoss.com/crimp on your mobile device and follow these steps:

- 1. Find your machine
- 2. Select your hose series
- 3. Select your hose size
- 4. Find your fitting style

Then view your results. Add the tool to your home screen for even quicker access.

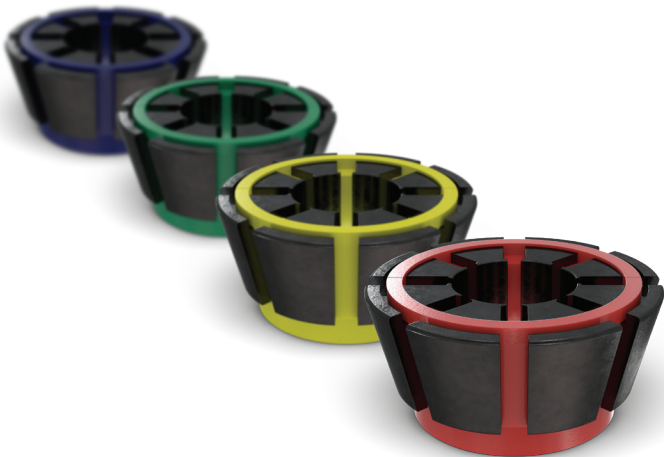


Making crimping simple.

Color coded crimping

When ordering positive stop machines, consider Danfoss's new optimized tooling. This new tooling features built-in fitting locators and collet cages that are color-coded to indicate dash size, all designed to make crimping a breeze.

Danfoss is committed to providing quality products with great features and supporting them with tools that make doing your job easy. Take advantage of these benefits and convert to Danfoss's new optimized tooling today!



Hose dash size	Collet cage color code	Z series collet	4S series collet	6S series collet
		Black	Silver	Olive
-04	Red		N/A	N/A
-05	Purple		N/A	N/A
-06	Yellow			N/A
-08	Blue			N/A
-10	Orange			N/A
-12	Green			N/A
-16	Black			N/A
-20	White			
-24	Dark Red			
-32	Dark Green			

Assembly solutions.

Danfoss offers a complete line of assembly equipment solutions designed to prep, assemble, clean, cap, and test your completed hose assembly. Check out some of our featured equipment below.



Hose saws and blades

We offer innovative saws and saw blades designed to offer the cleanest cuts with low smoke.



Contamination control

Danfoss offers hose cleaning systems to ensure your hose assembly is free of contaminants, and hose capping systems to make sure the assembly remains contaminant free during transit.



Hose proof test stands

And to test the final assembly, we offer hose proof test stands.

Organize your inventory.

Danfoss branded stocking cabinets are the ideal way to organize your inventory of Danfoss hose ends, adapters, hoses and assembly tooling.



C-40X – The sturdy C-40X cabinet contains 40 heavy-duty drawers that can be divided into two, three, or four compartments providing space for a large selection of hose ends and adapters. It has mounting holes for the T-420, ET1187, and ET1000 crimp machines. **Dimensions:** 46-1/2"H x 40"W; 26" Deep at base, 18" Deep at top. **Weight:** 228 lbs.



TC-20 - The TC-20 cabinet provides easy access to all your tooling needs. This collet cabinet fits Danfoss's core tooling products. Standard holes fit the ET425 series collets. Inserts are provided to fit the ET313 series collets. **Dimensions:** 28-1/2"H x 26-1/2" W; 12-3/4" Deep. **Weight:** 37.5 lbs.



C-15X – The rugged C-15X contains 15 extra large drawers that may be divided into two or three sections for those large, difficult to store items. **Dimensions:** 13 -5/8"H x 30 -1/4"W; 14-3/8" Deep. **Weight:** 45 lbs.



HD-1X - The HD-1X cabinet offers the ideal solution for keeping 50-foot lengths of hose off the floor. Vertical slots in the cabinet keep hoses organized and clean. Consider bolting a C-15X stocking cabinet on top of the HD-1X to keep an inventory of hose ends readily available. Internal dimensions have changed from 7 narrow 4.3" sections to 5 wider 6.14" sections to accommodate larger hose sizes. **Dimensions:** 36"H x 31" W; 24" Deep. **Weight:** 83 lbs.



C-63X - This stock cabinet containing 63 drawers, which can be divided into two or three sections, is a nice addition to any store front. **Dimensions:** 25"H x 30 -1/4"W; 9-1/4" Deep. **Weight:** 61 lbs.



FC-16X - The FC-16X contains 16 clear poly drawers that can be divided into two or three sections. **Dimensions:** 11-3/4"H x 16 -1/8"W; 9" Deep. **Weight:** 13 lbs.



C-632X - The C-632X consists of the CB-63X cabinet base, the C-15X cabinet, and two C-63X cabinets. This cabinet is a space saving, efficient addition to the modern store with a lobby type sales area. It requires a minimum amount of space, but does a maximum job merchandising a wide variety of products in 126 clear drawers. An additional 15 large, high impact drawers located in the bottom section provide ample space for large or heavy items. **Dimensions:** 68-1/2"H x 30" W; 15" Deep. **Weight:** 167 lbs.



FH-135X - The sturdy FH-135X cabinet contains 50 heavy-duty drawers that can be divided into one, two, or three compartments allowing ample space for a large selection of hose ends and adapters. It includes mounting holes for the ET1187 and ET1000 crimp machines. **Dimensions:** 46-1/2"H x 33" W; 14-1/2" Deep. **Weight:** 115 lbs.

Replacement drawers/dividers: All drawers are clear polypropylene and all dividers are black polypropylene

- **PD-15** - Divider for the FH-135X and C-15X
- **PD-49** - Drawer for the C-63X and FC-16X
- **PD-75SET** - Divider for the C-63X and FC-16X (pack of 14)
- **PD-95** - Drawer for the FH-135X

- **CD-15** - Drawer for the C-15X
- **PD-20** - Divider for the C-40X
- **PD-40** - Drawer for the C-40X

About Danfoss Power Solutions

Danfoss Power Solutions is a global manufacturer and supplier of high-quality hydraulic and electric components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market as well as the marine sector. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of applications. We help you and other customers around the world speed up system development, reduce costs and bring vehicles and vessels to market faster.

We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Danfoss Power Solutions – your strongest partner in mobile hydraulics and mobile electrification.

Products we offer:

- Aeroquip by Danfoss
- Boston by Danfoss
- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
- PLUS+1® controllers
- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software services, support and training
- PLUS+1® software
- Position controls and sensors
- PVG proportional valves
- SEL by Danfoss
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AI426662111733en-000101

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