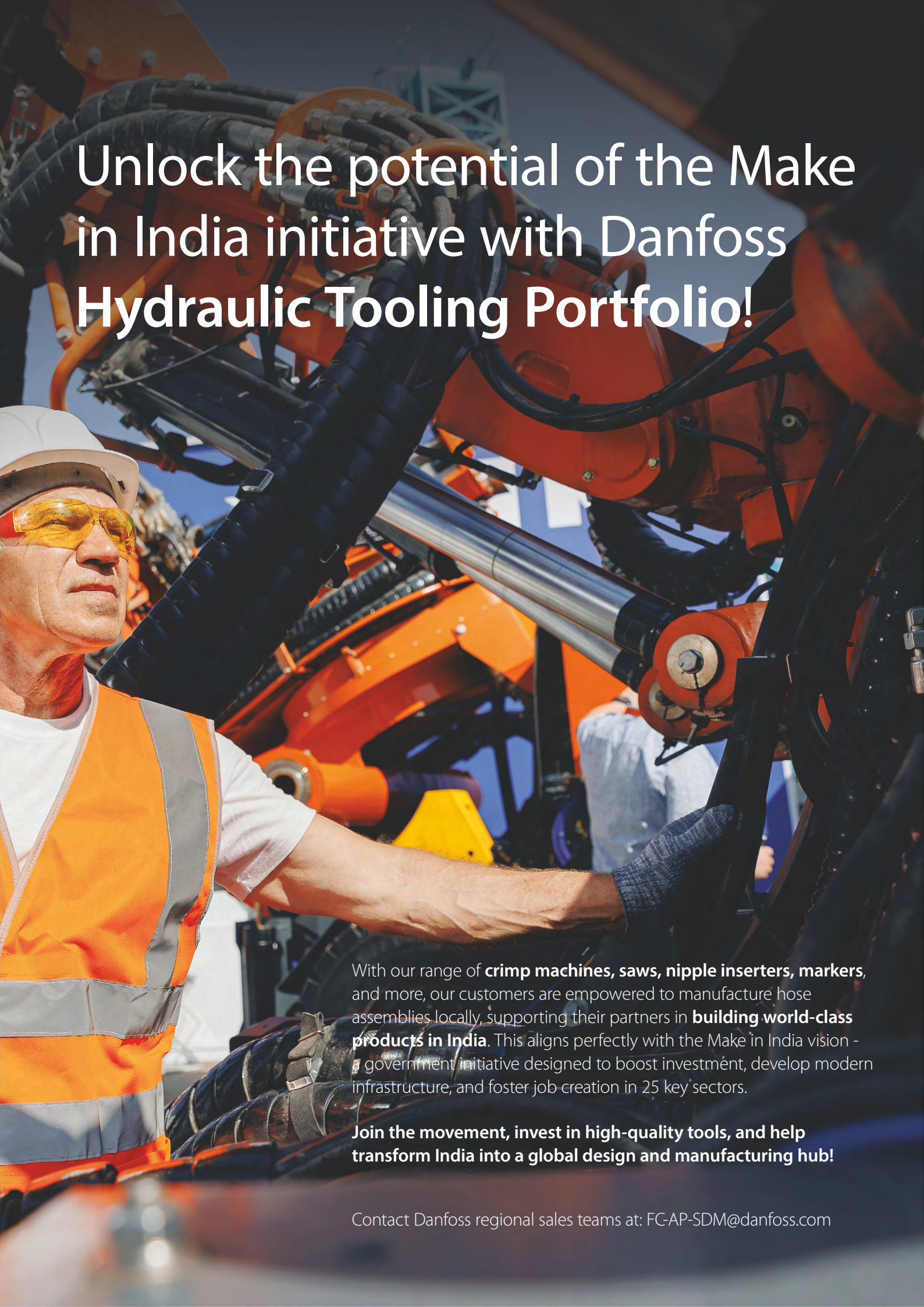
ENGINEERING
TOMORROW

India

Tooling products
master catalog


Unlock the potential of the Make in India initiative with Danfoss **Hydraulic Tooling Portfolio**!
With our range of **crimp machines, saws, nipple inserters, markers**, and more, our customers are empowered to manufacture hose assemblies locally, supporting their partners in **building world-class products in India**. This aligns perfectly with the Make in India vision - a government initiative designed to boost investment, develop modern infrastructure, and foster job creation in 25 key sectors.
Join the movement, invest in high-quality tools, and help transform India into a global design and manufacturing hub!
Contact Danfoss regional sales teams at: FC-AP-SDM@danfoss.com

A broad portfolio of leading technology expertly **matched to your needs…**

Tooling is a costly investment that you must get right. Whether your challenge is a mobile workshop, a full hose assembly manufacturing branch, or anything in between, our high-quality tooling can meet your needs and ensure a strong return-on-investment.

We offer an extensive portfolio of portable, workshop, and production line crimping machines that can suit any environment, as well as versatile cutting, skiving, nipple insertion, and marking machines. There's no need to waste time and money researching appropriate solutions—our experts have pre-selected market-leading tooling that's the best technical match for Danfoss hoses and fittings.

We also offer expert technical guidance and recommendations that consider your unique needs to ensure 'right-sized' solutions that can support you over the long term. We'll advise you on the most appropriate tooling and methods to use when assembling individual hoses and fittings, so you can accelerate production speeds, ensure optimal assembly performance, and minimize the risk of errors that can cause leaks and safety issues.

Crimp machines

Reliable and high-quality machines enable accurate and efficient crimping—letting you achieve outstanding results more quickly, efficiently and safely.

Our portfolio includes one manual and four workshop crimpers, as well as two production crimping machines. While the manual and workshop machines meet small or mid-sized requirements, our production machines can deliver the speed and efficiency demanded by large assembly lines. Our portfolio structure also reflects our global part numbers to make it easy to identify the right machines for your needs.

As well as offering crimpers with no crimp jaws, we also offer two types of kits for each machine that include the most commonly used dies.

Presenting market-leading technology, our crimping machines offer many benefits—including:

Slide bearing technology

- No greasing improves machine cleanliness and prolongs lifetime
- Maximum productivity with very low maintenance cost
- Flanking cannot stick in grease; no risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capacity for crimping stronger or more difficult couplings versus competing crimpers
- Consistently accurate crimp results

Fixed 6-o'clock die

- Workpiece does not move, making it easier to position laterally
- Increases productivity, driving up profitability
- Reduces the risk of injuries

Low noise

- Very quiet hydraulic system improves operator experience

Large opening

(except ET4100 machine):

- Easy crimping of even 90° elbow pieces, without having to remove all the dies
- Compact design
- Fits in any workshop

Ergonomic design

- Ease of use maximizes productivity

Engineered solutions using quality components

- Hi-Low cylinder enables maximum efficiency while producing less heat
- Lateral reinforcement optimizes overall tolerance

CE compliant

Ordering options

Our tooling portfolio has been specifically selected to meet the broadest spectrum of customer demand, based on:

- **The most used machines in the market**
- **The machines best aligned to our hose and fitting portfolio**
- **The machines needed to cover all key functions: crimping, cutting, insert pushing, skiving, etc**

Our portfolio also features transparent coding:

ET4 - Workshop crimping machines
ET5 - Production crimping machines
ET6 - Nipple inserters, skiving machines, marking machines
ET7 - Crimp machine dies
ET9 - Cutting machines and blades

Broad portfolio:

Our portfolio considers not only the best suited machines for our hoses and fittings, but also real-world use cases based on market intelligence about the most popular machines. This ensures we meet the broadest possible spectrum of customer needs.

Easy to navigate portfolio:

We use easy to follow coding across our tooling portfolio so customers can quickly navigate between different types of machines.

As well as offering crimping machines with no crimp jaws, we also offer two types of packages for each machine. These packages are designed to include the most commonly used dies:

Kit One

includes the crimping machine with an initial die package, which supports a good portion of our hose and fitting portfolio

Kit Two

includes the crimping machine with more die sets than Kit1 , allowing customers to crimp the broadest range of hoses
Kit One is the most economical option if customers don't need to crimp larger hose sizes, as it excludes a few of the bigger dies that are included in Kit Two.

Our portfolio structure reflects our global part numbers to make it easy to identify the right machines for a customer's needs.

Crimp machine comparison chart

	ET4100	ET4200	ET4250	ET4300	ET4350	ET4400
Description	Manual Crimper	Electric Crimper 1 Phase or 3 Phase	Mobile Electric Crimper with 12V	Electric Crimper 1 Phase or 3 Phase	Mobile Electric Crimper with 12V	Electric Crimper 1 Phase or 3 Phase
Production volume	Low	medium	medium	medium	medium	medium
Pump option**	manual	230V / 380 V	DC 12V - Mobile	230V / 380 V	DC 12V - Mobile	230V / 380 V
Application	Portable Crimper	Workshop Crimper	Portable Crimper	Workshop Crimper	Portable Crimper	Workshop Crimper
Capability Braided (up to)*	1 1/4" (Size -20)	1 1/2" (Size –24)	1 1/2" (Size –24)	2" (Size –32)	2" (Size -32	2" (Size – 32)
Capability 4-Spiral (up to)*	3/4" (Size -12)	1" (Size -16)	1" (Size -16)	1 1/4" (Size - 20)	1 1/4" (Size -20)	2" (Size -32)
Capability 6-Spiral (up to)*	-	-	-	1 1/4" (Size -20)	1 1/4" (Size -20)	1 1/2" (Size -24)

*Capabilities based on Danfoss core hose and fitting products
*See pump ordering options for each machine for specific kit numbers

Crimp machine comparison chart

ET4500

ET4500-002

ET5020

ET5025

ET5070

Description	Electric Crimper 1 Phase or 3 Phase	Electric Crimper 3 Phase with Controller	Electric Crimper 3 Phase with Controller	Electric Crimper 3 Phase with Controller	Electric Crimper 3 Phase with Controller
Production volume	medium	medium	high	high	high
Pump option**	230V / 380 V	380 V	380 V	380 V	380 V
Application	Workshop Crimper	Workshop Crimper	Production Crimper	Production Crimper	Production Crimper
Capability Braided (up to)*	3" (Size –48)	3" (Size –48)	1 1/2" (Size -24)	2" (Size -32)	3" (Size –48)
Capability 4-Spiral (up to)*	2" (Size -32)	2" (Size -32)	1" (Size -16)	1 ¼" (Size -20)	3" (Size -48)
Capability 6-Spiral (up to)*	1 1/2" (Size -24)	1 1/2" (Size -24)	-	-	2 1/2" (Size -40)

*Capabilities based on Danfoss core hose and fitting products
*See pump ordering options for each machine for specific kit numbers

ET4100

Mobile crimp machine

Field servicing

Customers with an aftersales business often need to change and crimp hoses in the field, outside of workshops. Portable, cost-effective, and easy to use, the ET4100 is the perfect choice for field servicing. It also features the biggest opening in the market—enabling it to support more hoses than most manual crimpers. No electrical connection is required, as the ET4100 functions with a hand pump. It offers a broad crimp capability that is sure to excite hose assemblers in the field.

- **Service hoses in the field:** Portable, cost-effective, and easy to use

Tooling options

Danfoss Part Number	Description	Included crimp dies
ET4100-001	Crimp Machine ET4100	-
ET4100-001KT	Crimp Machine ET4100 Kit 1	ET7100-M150 ET7100-M170 ET7100-M190 ET7100-M230 ET7100-M260 ET7100-M280 ET7100-M290 ET7100-M320
ET4100-001K2	Crimp Machine ET4100 Kit2	ET7100-M150 ET7100-M170 ET7100-M190 ET7100-M230 ET7100-M260 ET7100-M280 ET7100-M290 ET7100-M320 ET7100-M360 ET7100-M400 ET7100-M440 ET7100-M460

Note: ET4100 manual crimp machine to be used with crimp dies ET7100-*

Specifications

Dimensions:
500mm x 420 mm x 440 mm
Weight: 32 kg
Crimp-force 900 kN
Noise: -
Pump option: manual
Control unit: micrometer

Capabilities

Braided hose: -4 thru –20
4-Spiral hose: -6 thru –12
6-Spiral hose: -

Features & Benefits

- Manual crimp machine with hand-pump
- Ideal for on-site servicing
- Can be mounted on service vehicles or bench tops
- Light weight makes it ideal for mobile applications

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET4100 crimp die kits

Die Set		ET7100-M*											
		150	170	190	230	260	280	290	320	360	400	440	460
ET4100	Kit 1	X	X	X	X	X	X	X	X				
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20
	GH781	-4	-5	-6	-8		-10		-12		-16		-20
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		
	GH425(B)									-12			
	GH506									-12			
	FC500									-12			
	GH466												
	EC600									-12		-16	
	EC850							-10		-12			
	FC310	-4	-5	-6	-8	-10		-12			-16		-20
	FC510	-4		-6	-8	-10		-12			-16		-20
	GH195	-4		-6	-8		-10		-12		-16		-20
	EC525									-12		-16	-20
	GH120	-4		-6	-8		-10	-12			-16		-20
	EC810									-12		-16	
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20
	EC215	-4	-5	-6	-8		-10	-12					
	EC426					-6		-8	-10	-12			
	EC420									-12	-16		
	EC512									-12			
	EC615											-16	
	WH004							-12		-16	-20		
	WH006	-4	-5	-6	-8	-10		-12			-16		
	WH007		-4	-5 / -6	-8			-10 / -12			-16		
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16			
	WHR8		-4	-6 / -8			-12				-16		
	WHR18	-4	-5	-6	-8		-10						
	3TR7	-4	-5	-6 / -8		-10 / -12				-16			
	3TR8	-4		-6	-8		-12			-16			
	3TR18CT	-4 / -5	-6	-8		-10							
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20			
	EC060		-4	-6	-8		-10	-12			-16	-20	
	EC112	-4	-5	-6	-8	-10		-12			-16		
	EC212	-4	-5	-6	-8		-10	-12			-16		-20
	EC190							-12		-16			-20
	FC699		-6	-8	-10			-12	-16				
	GH100		-6	-8	-10		-12						
Boston by Danfoss	EC116	-4 / -5		-6	-8								
	EC216	-4	-5	-6	-8								

ET4200 and ET4250

General purpose crimp machine

Agriculture aftermarket

Companies supporting the agriculture segment need a reliable crimper for smaller hoses that balances quality and cost-effectiveness. Supporting smaller braided and spiral hoses, our reliable and versatile ET4200/ET4250 crimper is ideal for the agriculture aftermarket. The ET4200 / ET4250's compact construction allows for ergonomic working, while long master dies enable crimping of 90° elbow fittings up to 1¼".

- **Narrow and innovative user-friendly construction:** The ET4200 and ET4250`s compact construction allows for ergonomic working.
- **High versatility:** Long master dies allow crimping of 90° elbow fittings up to 1¼".
- **Long service life:** The ET4200's tried and tested greaseless slide bearing technology reduces maintenance costs and increases product quality.
- **Service vehicle version:** use the ET4250 version with 12V pump as a mobile version or mounted on a desk bench

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies	
ET4200-001-230 (ET4250-001-012)	Crimp Machine ET4200 1PH (Crimp Machine ET4250-012)	230 V (12 V)	-	
ET4200-001-230KT (ET4250-001-012KT)	Crimp Machine ET4200 1PH Kit1 (Crimp Machine ET4250 Kit1)	230 V (12 V)	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260	ET7200-M280 ET7200-M290 ET7200-M320 ET7200-M360
ET4200-001-230K2 (ET4250-001-012K2)	Crimp Machine ET4200 1PH Kit2 (Crimp Machine ET4250 Kit2)	230 V (12 V)	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280	ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460
ET4200-001-380	Crimp Machine ET4200 3PH	380 V		
ET4200-001-380KT	Crimp Machine ET4200 3PH Kit1	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260	ET7200-M280 ET7200-M290 ET7200-M320 ET7200-M360
ET4200-001-380K2	Crimp Machine ET4200 3PH Kit2	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280	ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460

Note: ET4200 machine to be used with crimp dies ET7200-*

Specifications ET4200

Dimensions:
592mmx 545mmx 672mm
Weight: 150kg
Crimp-force 1200 kN
Noise: 69 dBA
Pump option: 230 V / 380 V
Control unit: micrometer

Capabilities

Braided hose: -4 thru -24
4-Spiral hose: -6 thru –16
6-Spiral hose: -

Specifications ET4250

Dimensions:
430mmx 370mmx 440mm
Weight: 110kg without engine
Crimp-force 1800 kN
Noise: 69 dBA
Pump option: 12V
Control unit: micrometer

Capabilities

Braided hose: -4 thru -24
4-Spiral hose: -6 thru –16
6-Spiral hose: -

Features & Benefits

- Semiautomatic machine for flexible use
- Accurate repeatability (ET4200)
- Mounted on a workbench
- Can be mounted on service vehicles or bench top (ET4250)

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET4200 and ET4250 crimp die kits

Die Set		ET7200-M*											
		150	170	190	230	260	280	290	320	360	400	440	460
ET4200 ET4250	Kit 1	X	X	X	X	X	X	X	X	X			
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20
	GH781	-4	-5	-6	-8		-10		-12		-16		-20
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20
	GH425(B)									-12		-16	
	GH506									-12		-16	
	FC500									-12		-16	
	GH466												
	EC600									-12		-16	
	EC850							-10		-12		-16	
	FC310	-4	-5	-6	-8	-10		-12			-16		-20
	FC510	-4		-6	-8	-10		-12			-16		-20
	GH195	-4		-6	-8		-10		-12		-16		-20
	EC525									-12		-16	-20
	GH120	-4		-6	-8		-10	-12			-16		-20
	EC810									-12		-16	
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20
	EC215	-4	-5	-6	-8		-10	-12			-16		-20
	EC426					-6		-8	-10	-12		-16	
	EC420									-12	-16		
	EC512									-12	-16		
	EC615											-16	
	WH004							-12		-16	-20		
	WH006	-4	-5	-6	-8	-10		-12			-16		
	WH007		-4	-5 / -6	-8			-10 / -12			-16		
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16			
	WHR8		-4	-6 / -8			-12				-16		
	WHR18	-4	-5	-6	-8		-10						
	3TR7	-4	-5	-6 / -8		-10 / -12				-16			
	3TR8	-4		-6	-8		-12			-16			
	3TR18CT	-4 / -5	-6	-8		-10							
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20			
	EC060		-4	-6	-8		-10	-12			-16	-20	
	EC112	-4	-5	-6	-8	-10		-12			-16		
	EC212	-4	-5	-6	-8		-10	-12			-16		-20
	EC190							-12		-16			-20
	FC699		-6	-8	-10			-12	-16				
	GH100		-6	-8	-10		-12						
Boston by Danfoss	EC116	-4 / -5		-6	-8								
	EC216	-4	-5	-6	-8								

ET4300 and ET4350

General purpose crimp machine

Versatility and cost-effectiveness

Combining the benefits of a cost-effective small workshop machine with the versatility to manufacture a varied range of hose and fitting configurations thanks to solid master dies, the ET4300/ ET4350 crimpers are an unrivalled leader in the 1¼" field. While the ET4300 cannot crimp everything, it can meet the needs of most general assembly businesses.

- **High cost-effectiveness:** The ET4300/ET4350 sets the standard for quality and cost-effectiveness.
- **Narrow and innovative user-friendly construction:** The ET4300/ET4350's compact construction allows for ergonomic working.
- **High versatility:** Solid master dies allow crimping of all types of fittings.
- **Long service life:** The ET4300/ET4350's tried and tested greaseless slide bearing technology reduces maintenance costs and increases product quality.
- **Service vehicle version:** use the ET4350 version with 12V pump as a mobile version or mounted on a desk bench

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies	
ET4300-001-230 (ET4350-001-012)	Crimp Machine ET4300 1PH (ET4350)	230 V (12 V)	-	
ET4300-001-230KT (ET4350-001-012KT)	Crimp Machine ET4300 1PH Kit1 (ET4350 Kit1)	230 V (12 V)	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260	ET7200-M280 ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400
ET4300-001-230K2 (ET4350-001-012K2)	Crimp Machine ET4300 1PH Kit2 (ET4350 Kit 2)	230 V (12 V)	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290	ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540
ET4300-001-380	Crimp Machine ET4300 3PH	380 V	-	
ET4300-001-380KT	Crimp Machine ET4300 3PH Kit1	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260	ET7200-M280 ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400
ET4300-001-380K2	Crimp Machine ET4300 3PH Kit2	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290	ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540

Note: ET4300 machine to be used with crimp dies ET7200*

Specifications ET4300

Dimensions:
592mmx 545mmx 672mm
Weight: 160kg
Crimp-force 1800 kN
Noise: 69 dBA
Pump option: 230 V / 380 V
Control unit: micrometer

Capabilities

Braided hose: -4 thru –32
4-Spiral hose: -6 thru -20
6-Spiral hose: -6 thru -20

Specifications ET4350

Dimensions:
509mmx 430mmx 485mm
Weight: 132kg
Crimp-force 1800 kN
Noise: 69 dBA
Pump option: 12 V
Control unit: micrometer

Capabilities

Braided hose: -4 thru –32
4-Spiral hose: -6 thru -20
6-Spiral hose: -6 thru -20

Features & Benefits

- Semiautomatic machine for flexible use in shopfloor
- Accurate repeatability
- Energy efficient option for moderate volume assembly work – 30% usage per hour
- Can be mounted on service vehicles or bench top (ET4350)

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET4300 and ET4350 crimp die kits

Die Set		ET7200-M*												
		150	170	190	230	260	280	290	320	360	400	440	460	540
ET4300 ET4350	Kit 1	X	X	X	X	X	X	X	X	X	X			
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20	-24
	GH781	-4	-5	-6	-8		-10		-12		-16		-20	-24
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20	-24
	GH425(B)									-12		-16		
	GH506									-12		-16		
	FC500									-12		-16		-20
	GH466													-20
	EC600									-12		-16		-20
	EC850							-10		-12		-16		-20
	FC310	-4	-5	-6	-8	-10		-12			-16		-20	
	FC510	-4		-6	-8	-10		-12			-16		-20	
	GH195	-4		-6	-8		-10		-12		-16		-20	
	EC525									-12		-16		
	GH120	-4		-6	-8		-10	-12			-16		-20	-24
	EC810									-12		-16		-20
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20	-24
	EC215	-4	-5	-6	-8		-10	-12			-16		-20	-24
	EC426					-6		-8	-10	-12		-16		
	EC420									-12	-16			-20
	EC512									-12	-16			
	EC615											-16		-20
	WH004							-12		-16	-20			-24
	WH006	-4	-5	-6	-8	-10		-12			-16			
	WH007		-4	-5 / -6	-8			-10 / -12			-16			
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16				
	WHR8		-4	-6 / -8			-12				-16			
	WHR18	-4	-5	-6	-8		-10							
	3TR7	-4	-5	-6 / -8		-10 / -12				-16				
	3TR8	-4		-6	-8		-12			-16				
	3TR18CT	-4 / -5	-6	-8		-10								
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20				
	EC060		-4	-6	-8		-10	-12			-16	-20		
	EC112	-4	-5	-6	-8	-10		-12			-16			
	EC212	-4	-5	-6	-8		-10	-12			-16		-20	
	EC190							-12		-16			-20	
	FC699		-6	-8	-10			-12	-16					
	GH100		-6	-8	-10		-12							
Boston by Danfoss	EC116	-4 / -5		-6	-8									
	EC216	-4	-5	-6	-8									

ET4400

General purpose crimp machine

Crimping large bore hose assemblies

Customers supporting the most demanding applications require machines that can crimp the biggest and heaviest hoses. Our ET4400 crimper offers the higher force and larger machine opening needed to crimp large bore hose assemblies. The ET4400 can crimp all hydraulic hose types, including R15 spiral hoses up to size -24, as well as industrial hose assemblies up to 3". Long master dies also allow crimping of 90° elbow fittings up to 2".

- **Narrow and innovative user-friendly construction:** The ET4400's compact construction allows for ergonomic working.
- **Large crimping tool:** Enables crimping of industrial hose assemblies up to 3".
- **High versatility:** Long master dies allows crimping of 90° elbow fittings up to 2".
- **Long service life:** The ET4400's tried and tested greaseless slide bearing technology reduces maintenance costs and increases product quality.

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies	
ET4400-001-230	Crimp Machine ET4400 1PH	230 V	-	
ET4400-001-230KT	Crimp Machine ET4400 1PH Kit1	230 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280	ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440
ET4400-001-230K2	Crimp Machine ET4400 1PH Kit2	230 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290	ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540 ET7400-M620
ET4400-001-380	Crimp Machine ET4400 3PH	380 V	-	
ET4400-001-380KT	Crimp Machine ET4400 3PH Kit1	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280	ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440
ET4400-001-380K2	Crimp Machine ET4400 3PH Kit2	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290	ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540 ET7400-M620

Note: ET4400 machine to be used with crimp intermediate die ET7400-7200 in combination with ET7200.
ET4400 machine to be used with crimp dies ET7400.

Specifications

Dimensions:
700mmx 600mmx 735mm
Weight: 248 kg
Crimp-force 2000 kN
Noise: 69 dBA
Pump option: 230 V / 380 V
Control Unit: micrometer

Capabilities

Braided hose: -4 thru –32
4-Spiral hose: -6 thru -32
6-Spiral hose: -6 thru -24

Features & Benefits

- The perfect workshop crimper for bigger and spiral hoses also.
- Can be mounted on bench top
- Accurate repeatability

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET4400 crimp die kits

Die Set		ET7200-M*													ET7400-M*
		150	170	190	230	260	280	290	320	360	400	440	460	540	620
ET4400	Kit 1	X	X	X	X	X	X	X	X	X	X	X			
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20	-24	
	GH781	-4	-5	-6	-8		-10		-12		-16		-20	-24	
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20	-24	
	GH425(B)									-12		-16			
	GH506									-12		-16			
	FC500									-12		-16		-20	
	GH466													-20	-24
	EC600									-12		-16		-20	-24
	EC850							-10		-12		-16		-20	
	FC310	-4	-5	-6	-8	-10		-12			-16		-20		
	FC510	-4		-6	-8	-10		-12			-16		-20		
	GH195	-4		-6	-8		-10		-12		-16		-20		
	EC525									-12		-16			
	GH120	-4		-6	-8		-10	-12			-16		-20	-24	
	EC810									-12		-16		-20	-24
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20	-24	
	EC215	-4	-5	-6	-8		-10	-12			-16		-20	-24	
	EC426					-6		-8	-10	-12		-16			
	EC420									-12	-16			-20	-24
	EC512									-12	-16				
	EC615											-16		-20	-24
	WH004							-12		-16	-20			-24	
	WH006	-4	-5	-6	-8	-10		-12			-16				
	WH007		-4	-5 / -6	-8			-10 / -12			-16				
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16					
	WHR8		-4	-6 / -8			-12				-16				
	WHR18	-4	-5	-6	-8		-10								
	3TR7	-4	-5	-6 / -8		-10 / -12				-16					
	3TR8	-4		-6	-8		-12			-16					
	3TR18CT	-4 / -5	-6	-8		-10									
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20					
	EC060		-4	-6	-8		-10	-12			-16	-20			
	EC112	-4	-5	-6	-8	-10		-12			-16				
	EC212	-4	-5	-6	-8		-10	-12			-16		-20		
	EC190							-12		-16			-20		-32
	FC699		-6	-8	-10			-12	-16						
	GH100		-6	-8	-10		-12								
Boston by Danfoss	EC116	-4 / -5		-6	-8										
	EC216	-4	-5	-6	-8										

ET4500 and ET4500-002

General purpose crimp machine

Crimping large bore hose assemblies

Customers supporting the most demanding applications require machines that can crimp the biggest and heaviest hoses. With a wider opening and a stronger crimping force than other workshop machines, the ET4500 offers a capacity that's almost at the level of production machines, but at a much lower cost. The ET4500 is designed to crimp hydraulic hose assemblies up to 2", including R15 spiral hoses up to size -32, and industrial hose assemblies up to 3". -002 version available with an optional controller,

- **Cost-effective capacity:** The ET4500 boasts a large capacity, almost at the level of production machines, but at a much lower cost.
- **Large crimping tool:** Enables crimping of industrial hose assemblies up to 3".
- **High versatility:** Crimps all hydraulic hoses, including R15 spiral hoses up to size -32, as well as industrial hose assemblies up to 3".
- **Optional controller (code -002):** Preset with Danfoss crimp specifications, our controller enables easier and faster crimping

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies	
ET4500-001-230 (ET4500-002-230)	Crimp Machine ET4500 1PH	230 V	-	
ET4500-001-230KT (ET4500-002-230KT)	Crimp Machine ET4500 1PH Kit1	230 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280	ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440
ET4500-001-230K2 (ET4500-002-230K2)	Crimp Machine ET4500 1PH Kit2	230 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290	ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540 ET7400-M620
ET4500-001-380	Crimp Machine ET4500 3PH	380 V	-	
ET4500-001-380KT (ET4500-002-380KT)	Crimp Machine ET4500 3PH Kit1	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280	ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440
ET4500-001-380K2 (ET4500-002-380K2)	Crimp Machine ET4500 3PH Kit2	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290	ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540 ET7400-M620

Note: ET4500 machine to be used with crimp intermediate die ET7400-7200 in combination with ET7200.
ET4500 machine to be used with crimp dies ET7400.

Specifications

Dimensions:

745mmx 600mmx 1350mm
Weight: 450 kg
Crimp-force 2800 kN
Noise: 69 dBA
Pump option: 230 V / 380 V
Control unit: micrometer/ Controller

Capabilities

Braided hose: -4 thru –48
4-Spiral hose: -6 thru -32
6-Spiral hose: -6 thru -24

Features & Benefits

- Our top capacity workshop machine enables assembly of big sizes and spiral hoses
- Optional controller with Danfoss crimp specifications, our controller enables easier and faster crimping (ET4500-002)

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET4500 and ET4500-002 crimp die kits

Die Set		ET7200-M*													ET7400-M*
		150	170	190	230	260	280	290	320	360	400	440	460	540	620
ET4500 ET4500-002	Kit 1	X	X	X	X	X	X	X	X	X	X	X			
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20	-24	
	GH781	-4	-5	-6	-8		-10		-12		-16		-20	-24	
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20	-24	
	GH425(B)									-12		-16			
	GH506									-12		-16			
	FC500									-12		-16		-20	
	GH466													-20	-24
	EC600									-12		-16		-20	-24
	EC850							-10		-12		-16		-20	
	FC310	-4	-5	-6	-8	-10		-12			-16		-20		
	FC510	-4		-6	-8	-10		-12			-16		-20		
	GH195	-4		-6	-8		-10		-12		-16		-20		
	EC525									-12		-16			
	GH120	-4		-6	-8		-10	-12			-16		-20	-24	
	EC810									-12		-16		-20	-24
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20	-24	
	EC215	-4	-5	-6	-8		-10	-12			-16		-20	-24	
	EC426					-6		-8	-10	-12		-16			
	EC420									-12	-16			-20	-24
	EC512									-12	-16				
	EC615											-16		-20	-24
	WH004							-12		-16	-20			-24	
	WH006	-4	-5	-6	-8	-10		-12			-16				
	WH007		-4	-5 / -6	-8			-10 / -12			-16				
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16					
	WHR8		-4	-6 / -8			-12				-16				
	WHR18	-4	-5	-6	-8		-10								
	3TR7	-4	-5	-6 / -8		-10 / -12				-16					
	3TR8	-4		-6	-8		-12			-16					
	3TR18CT	-4 / -5	-6	-8		-10									
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20					
	EC060		-4	-6	-8		-10	-12			-16	-20			
	EC112	-4	-5	-6	-8	-10		-12			-16				
	EC212	-4	-5	-6	-8		-10	-12			-16		-20		
	EC190							-12		-16			-20		-32
	FC699		-6	-8	-10			-12	-16						
	GH100		-6	-8	-10		-12								
Boston by Danfoss	EC116	-4 / -5		-6	-8										
	EC216	-4	-5	-6	-8										

ET5020

Industrial production crimp machines

On-site production

ET5020/ET5025 enables high productivity, safety, and ease-of-use. Compact, user-friendly construction enables high productivity, safety and ease-of-use, while solid master dies allow crimping of all fitting types. Available with an optional controller.

- **Narrow and innovative user-friendly construction:** The ET5020's compact construction allows for ergonomic working. High versatility: Solid master dies allow crimping of all types of fittings.
- **Long service life:** The ET5020's tried and tested greaseless slide bearing technology reduces maintenance costs and increases product quality.
- **With a controller :** PresETwith Danfoss crimp specifications, our controller enables easier and faster crimping
- **For bigger hoses:** Choose ET5025 for sizes up to braided 32, and spiral 24

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies
ET5020-001-380	Crimp Machine ET5020 3PH	380 V	-
ET5020-001-380KT	Crimp Machine ET5020 3PH Kit1	380 V	ET7300-M150 ET7300-M170 ET7300-M190 ET7300-M230 ET7300-M260 ET7300-M280 ET7300-M290 ET7300-M320 ET7300-M360 ET7300-M400
ET5020-001-380K2	Crimp Machine ET5020 3PH Kit2	380 V	ET7300-M150 ET7300-M170 ET7300-M190 ET7300-M230 ET7300-M260 ET7300-M280 ET7300-M290 ET7300-M320 ET7300-M360 ET7300-M400 ET7300-M440 ET7300-M460

Note: ET5020 machine to be used with crimp dies ET7300.

Specifications

Dimensions:
625mmx 560mmx 1450mm
Weight: 310 kg
Crimp-force 1350 kN
Noise: 53 dBA
Pump option: 380 V
Control unit: Controller

Capabilities

Braided hose: -4 thru -24
4-Spiral hose: -6 thru –16
6-Spiral hose: -

Features & Benefits

- Production machine with Hi-Lo cylinder –high performance and low build up of heat
- Adjustable crimp diameter by digital touch control panel (complete Danfoss hose designs with crimp diameter)

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET5020 crimp die kits

Die Set		ET7300-M*											
		150	170	190	230	260	280	290	320	360	400	440	460
ET5020	Kit 1	X	X	X	X	X	X	X	X	X	X		
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20
	GH781	-4	-5	-6	-8		-10		-12		-16		-20
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20
	GH425(B)									-12		-16	
	GH506									-12		-16	
	FC500									-12		-16	
	GH466												
	EC600												
	EC850							-10		-12		-16	
	FC310	-4	-5	-6	-8	-10		-12			-16		-20
	FC510	-4		-6	-8	-10		-12			-16		-20
	GH195	-4		-6	-8		-10		-12		-16		-20
	EC525									-12		-16	
	GH120	-4		-6	-8		-10	-12			-16		-20
	EC810									-12		-16	
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20
	EC215	-4	-5	-6	-8		-10	-12			-16		-20
	EC426					-6		-8	-10	-12		-16	
	EC420									-12	-16		
	EC512									-12	-16		
	EC615											-16	
	WH004							-12		-16	-20		
	WH006	-4	-5	-6	-8	-10		-12			-16		
	WH007		-4	-5 / -6	-8			-10 / -12			-16		
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16			
	WHR8		-4	-6 / -8			-12				-16		
	WHR18	-4	-5	-6	-8		-10						
	3TR7	-4	-5	-6 / -8		-10 / -12				-16			
	3TR8	-4		-6	-8		-12			-16			
	3TR18CT	-4 / -5	-6	-8		-10							
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20			
	EC060		-4	-6	-8		-10	-12			-16	-20	
	EC112	-4	-5	-6	-8	-10		-12			-16		
	EC212	-4	-5	-6	-8		-10	-12			-16		-20
	EC190							-12		-16			-20
	FC699		-6	-8	-10			-12	-16				
	GH100		-6	-8	-10		-12						
Boston by Danfoss	EC116	-4 / -5		-6	-8								
	EC216	-4	-5	-6	-8								

ET5025

Industrial production crimp machines

On-site production

ET5020/ET5025 enables high productivity, safety, and ease-of-use. Compact, user-friendly construction enables high productivity, safety and ease-of-use, while solid master dies allow crimping of all fitting types. Available with an optional controller.

- **Narrow and innovative user-friendly construction:** The ET5025's compact construction allows for ergonomic working. High versatility: Solid master dies allow crimping of all types of fittings.
- **Long service life:** The ET5025's tried and tested greaseless slide bearing technology reduces maintenance costs and increases product quality.
- **With a controller :** Preset with Danfoss crimp specifications, our controller enables easier and faster crimping

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies
ET5025-001-380	Crimp Machine ET5025 3PH	380 V	-
ET5025-001-380KT	Crimp Machine ET5025 3PH Kit1	380 V	ET7300-M150 ET7300-M170 ET7300-M190 ET7300-M230 ET7300-M260 ET7300-M280 ET7300-M290 ET7300-M320 ET7300-M360 ET7300-M400
ET5025-001-380K2	Crimp Machine ET5025 3PH Kit2	380 V	ET7300-M150 ET7300-M170 ET7300-M190 ET7300-M230 ET7300-M260 ET7300-M280 ET7300-M290 ET7300-M320 ET7300-M360 ET7300-M400 ET7300-M440 ET7300-M460

Note: ET5020 machine to be used with crimp dies ET7300.

Specifications

Dimensions:
645mmx 560mmx 1470mm
Weight: 470 kg
Crimp-force 1600 kN
Noise: 53 dBA
Pump option: 380 V
Control unit: Controller

Capabilities

Braided hose: -4 thru -32
4-Spiral hose: -6 thru -20
6-Spiral hose: -

Features & Benefits

- Production machine with Hi-Lo cylinder –high performance and low build up of heat
- Adjustable crimp diameter by digital touch control panel (complete Danfoss hose designs with crimp diameter
- Choose ET5025 for bigger sizes and higher force

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

ET5025 crimp die kits

Die Set		ET7300-M*											
		150	170	190	230	260	280	290	320	360	400	440	460
ET5025	Kit 1	X	X	X	X	X	X	X	X	X	X		
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20
	GH781	-4	-5	-6	-8		-10		-12		-16		-20
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20
	GH425(B)									-12		-16	
	GH506									-12		-16	
	FC500									-12		-16	
	GH466												
	EC600												
	EC850							-10		-12		-16	
	FC310	-4	-5	-6	-8	-10		-12			-16		-20
	FC510	-4		-6	-8	-10		-12			-16		-20
	GH195	-4		-6	-8		-10		-12		-16		-20
	EC525									-12		-16	
	GH120	-4		-6	-8		-10	-12			-16		-20
	EC810									-12		-16	
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20
	EC215	-4	-5	-6	-8		-10	-12			-16		-20
	EC426					-6		-8	-10	-12		-16	
	EC420									-12	-16		
	EC512									-12	-16		
	EC615											-16	
	WH004							-12		-16	-20		
	WH006	-4	-5	-6	-8	-10		-12			-16		
	WH007		-4	-5 / -6	-8			-10 / -12			-16		
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16			
	WHR8		-4	-6 / -8			-12				-16		
	WHR18	-4	-5	-6	-8		-10						
	3TR7	-4	-5	-6 / -8		-10 / -12				-16			
	3TR8	-4		-6	-8		-12			-16			
	3TR18CT	-4 / -5	-6	-8		-10							
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20			
	EC060		-4	-6	-8		-10	-12			-16	-20	
	EC112	-4	-5	-6	-8	-10		-12			-16		
	EC212	-4	-5	-6	-8		-10	-12			-16		-20
	EC190							-12		-16			-20
	FC699		-6	-8	-10			-12	-16				
	GH100		-6	-8	-10		-12						
Boston by Danfoss	EC116	-4 / -5		-6	-8								
	EC216	-4	-5	-6	-8								

ET5070

Industrial production crimp machines

High volume on-site production

On-site facilities with the highest production rates need a high-end crimper that offers reliability, safety, ease-of-use, and excellent productivity.The ET5070 is a powerful and fast programmable crimper, ideal for on-site serial production. Designed for operator safety, improved ergonomics, increased hose size capability, ease of use, and maximum productivity, the ET5070 can meet almost any challenge across a broad range of hose sizes and construction types. Available with an optional controller.

- **High versatility:** Unlike other production machines which offer limited openings or crimping power, the ET5070 can meet almost any challenge across a broad range of hose sizes and construction types.
- **Fast and safe operations:** The ET5070 is designed for ease-of-use and operator safety, enabling faster cycle times and higher productivity.
- **Quickly setup multiple crimps:** The ET5070 increases throughput by reducing the time needed to set-up multiple crimps.
- **Grease-free dies:** Dies can be changed more easily and cleanly, reducing the chance of operator error, since there's no need to apply grease to dies and the crimp ring.
- **Smart assembly support:** The ET5070 comes pre-programmed with Danfoss hose and fitting specifications to enable easier and faster crimping, with fewer errors and less waste. In addition, the ET5070 assists the user in selecting approved Danfoss hose fittings for each hose part number, as well as the dies required for each assembly—enabling the creation of OEM-quality hose assemblies.
- **With a controller :** Preset with Danfoss crimp specifications, our controller enables easier and faster crimping

Tooling options

Danfoss Part Number	Description	Voltage	Included crimp dies
ET5070-001-380	Crimp Machine ET5070 1PH	380 V	-
ET5070-001-380KT	Crimp Machine ET5070 1PH Kit1	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440
ET5070-001-380K2	Crimp Machine ET5070 1PH Kit2	380 V	ET7200-M150 ET7200-M170 ET7200-M190 ET7200-M230 ET7200-M260 ET7200-M280 ET7200-M290 ET7200-M320 ET7200-M360 ET7200-M400 ET7200-M440 ET7200-M460 ET7200-M540 ET7500-M620

Specifications

Dimensions:
1200mmx 600mmx 1700mm
Weight: 750 kg
Crimp-force 3150 kN
Noise: 62 dBA
pump option: 380 V
Control unit: Controller

Capabilities

Braided hose: -4 thru –48
4-Spiral hose: -6 thru -48
6-Spiral hose: -6 thru -40

Features & Benefits

- Production machine with HiLo cylinder –high performance and low warm building
- Adjustable crimp diameter by digital touch control panel (complete Danfoss hose designs with crimp diameter)
- High volume production machine

Visit the Danfoss PowerSource Crimp Specs tool at www.Danfosspowersource.com/crimp-specs/ to find the tooling needed for all of the hoses and fittings you plan to crimp

Note: ET5070 machine to be used with intermediate die ET7500-7200 in combination with ET7200.
ET5070 machine to be used with crimp dies ET7500.

ET5070 crimp die kits

Die Set		ET7200-M*													ET7500-M*
		150	170	190	230	260	280	290	320	360	400	440	460	540	620
ET5070	Kit 1	X	X	X	X	X	X	X	X	X	X	X			
	Kit 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aeroquip by Danfoss	GH681(B)	-4	-5	-6	-8	-10		-12		-16			-20	-24	
	GH781	-4	-5	-6	-8		-10		-12		-16		-20	-24	
	EC881(B)	-4	-5	-6	-8		-10	-12			-16		-20	-24	
	GH425(B)									-12		-16			
	GH506									-12		-16			
	FC500									-12		-16		-20	
	GH466													-20	-24
	EC600									-12		-16		-20	-24
	EC850							-10		-12		-16		-20	
	FC310	-4	-5	-6	-8	-10		-12			-16		-20		
	FC510	-4		-6	-8	-10		-12			-16		-20		
	GH195	-4		-6	-8		-10		-12		-16		-20		
	EC525									-12		-16			
	GH120	-4		-6	-8		-10	-12			-16		-20	-24	
	EC810									-12		-16		-20	-24
Winner by Danfoss	EC115	-4	-5	-6	-8	-10		-12			-16		-20	-24	
	EC215	-4	-5	-6	-8		-10	-12			-16		-20	-24	
	EC426					-6		-8	-10	-12		-16			
	EC420									-12	-16			-20	-24
	EC512									-12	-16				
	EC615											-16		-20	-24
	WH004							-12		-16	-20			-24	
	WH006	-4	-5	-6	-8	-10		-12			-16				
	WH007		-4	-5 / -6	-8			-10 / -12			-16				
Synflex by Danfoss	WHR7	-4 / -5	-6	-8		-10	-12			-16					
	WHR8		-4	-6 / -8			-12				-16				
	WHR18	-4	-5	-6	-8		-10								
	3TR7	-4	-5	-6 / -8		-10 / -12				-16					
	3TR8	-4		-6	-8		-12			-16					
	3TR18CT	-4 / -5	-6	-8		-10									
Danfoss	EC045	-4 / -5	-6	-8		-10		-12		-16 / -20					
	EC060		-4	-6	-8		-10	-12			-16	-20			
	EC112	-4	-5	-6	-8	-10		-12			-16				
	EC212	-4	-5	-6	-8		-10	-12			-16		-20		
	EC190							-12		-16			-20		-32
	FC699		-6	-8	-10			-12	-16						
	GH100		-6	-8	-10		-12								
Boston by Danfoss	EC116	-4 / -5		-6	-8										
	EC216	-4	-5	-6	-8										

Crimp die recommendation

For the most common Danfoss hoses

Hose / Size		-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
Aeroquip by Danfoss	GH681(B)		M150	M170	M190	M230	M260	M290	M360	M460	M540	M670
	GH781		M150	M170	M190	M230	M280	M290	M400	M460	M540	M670
	EC881(B)		M150	M170	M190	M230	M280	M290	M400	M460	M540	M670
	GH425(B)				M260	M280	M320	M360	M400			
	GH506							M360	M440	M500	M570	M710
	FC500							M360	M440	M500	M570	M780
	GH466									M540	M620	M780
	EC600							M360	M440	M540	M620	M780
	EC850						M290	M360	M440	M570		
	FC310	M120	M150	M170	M190	M230	M260	M290	M400	M460		
	FC510		M150		M190	M230	M260	M290	M400	M460		
	GH195		M150		M190	M230	M280	M320	M400	M500	M570	M670
	EC525							M360	M440	M530	M570	M710
	GH120		M150		M190	M230	M280	M290	M400	M460	M540	M670
	EC810				M260	M280	M320	M360	M440	M540	M620	M780

Crimp dies per diameter

diameter	Part Number
Ø6,8	ET7100-M068
Ø9,0	ET7100-M090
Ø12,0	ET7100-M120
Ø14,0	ET7100-M140
Ø15,0	ET7100-M150
Ø17,0	ET7100-M170
Ø19,0	ET7100-M190
Ø20,0	ET7100-M200
Ø23,0	ET7100-M230
Ø24,0	ET7100-M240
Ø26,0	ET7100-M260
Ø28,0	ET7100-M280
Ø29,0	ET7100-M290
Ø32,0	ET7100-M320
Ø36,0	ET7100-M360
Ø40,0	ET7100-M400
Ø44,0	ET7100-M440
Ø46,0	ET7100-M460
Ø47,0	ET7100-M470

diameter	Part Number
Ø54,0	ET7500-M540
Ø57,0	ET7500-M570
Ø62,0	ET7500-M620
Ø67,0	ET7500-M670
Ø71,0	ET7500-M710
Ø74,0	ET7500-M740
Ø78,0	ET7500-M780
Ø84,0	ET7500-M840
Ø86,0	ET7500-M860
Ø90,0	ET7500-M900
Ø92,0	ET7400-M920
Ø96,0	ET7500-M960
Ø103,0	ET7500-M1030
Ø106,0	ET7500-M1060
Ø111,0	ET7500-M1110
Ø116,0	ET7500-M1160
Ø121,0	ET7500-M1210
Ø126,0	ET7500-M1260
Ø131,0	ET7500-M1310

diameter	Part Number
Ø6,8	ET7200-M068
Ø9,0	ET7200-M090
Ø12,0	ET7200-M100
Ø14,0	ET7200-M120
Ø15,0	ET7200-M140
Ø17,0	ET7200-M150
Ø16,0	ET7200-M160
Ø17,0	ET7200-M170
Ø19,0	ET7200-M190
Ø20,0	ET7200-M200
Ø22,0	ET7200-M220
Ø23,0	ET7200-M230
Ø24,0	ET7200-M240
Ø26,0	ET7200-M260
Ø28,0	ET7200-M280
Ø29,0	ET7200-M290
Ø30,0	ET7200-M300
Ø31,0	ET7200-M310
Ø32,0	ET7200-M320
Ø34,0	ET7200-M340
Ø36,0	ET7200-M360
Ø38,0	ET7200-M380
Ø39,0	ET7200-M390
Ø40,0	ET7200-M400
Ø44,0	ET7200-M440
Ø46,0	ET7200-M460
Ø50,0	ET7200-M500
Ø54,0	ET7200-M540
Ø57,0	ET7200-M570
Ø62,0	ET7200-M620

Crimping machine accessories

Meet your unique demands for faster, more efficient, or more accurate assembly production by customizing your machines with our high-quality accessories.

ET5040C-0045

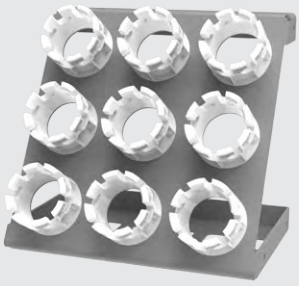
Front die storage rack

The ET5040C-0045 die storage rack offers a convenient place to store your tooling in front of the crimper.

ET5040C-0046

Quick die change storage rack

The ET5040-0046 is optimal solution for wall mounting



ET5040C-0047

Mobile die storage rack

The ET5040C-0047 mobile die storage rack enables easy work with two side storage, with easy moving around.

ET5040C-0048

Table and quick die change storage rack

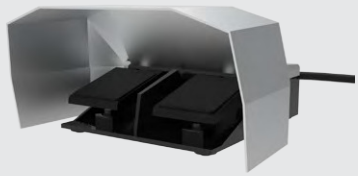
The ET5040C-0048 offers a complete solution for the storage and assembly of the dies.

Crimping machine accessories

ET5040C-0020

Foot pedal

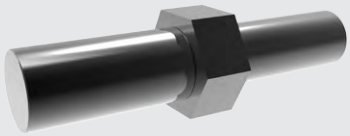
The ET5040C-0020 foot pedal is for machines with a controller. Acting like a dual foot switch, this pedal enables you to perform crimp head activation and retraction, leaving your hands free to handle the hose and crimping. To activate the foot switch, select the appropriate button on the controller



ET5040C-0019

Calibration pin

The ET5040C-0019 calibration pin is a tool for machines with a controller that simplifies the calibration process to ensure the crimper is achieving consistent and accurate crimp diameters.



ET5040C-0006

Automatic backstop

Use the ET5040C-0006 with the controllers, to enable the closing of the machine automatically.

ET5040C-0007

Manual backstop

The ET5040C-0007 manual backstop ensures the right crimp position to ensure assembly crimping happens at the right location.

Crimping machine accessories ordering options

		ET4100-001	ET4200-001	ET4250-001	ET4300-001	ET4350-001	ET4400-001
Backstop manual ET4200-001-230/380	ET4200C-0001		X				
Backstop manual ET4250-001-012	ET4250C-0001			X			
Backstop manual ET4300-001-230/-380	ET4300C-0001				X	X	
Backstop manual ET4400-001-230/-380	ET4400C-0001						X
Backstop automatic ET4400-001-230/-380	ET4400C-0002						X
Backstop manual ET4500-001-230/-380	ET4500C-0001						
Backstop automatic ET4500-001-230/-380	ET4500C-0002						
Backstop manual ET4500-002-230/-380 with Controller	ET4500C-0003						
Backstop automatic ET4500-002-230/-380 with Controller	ET4500C-0004						
Backstop manual ET5020-001-380 with Controller	ET5020C-0001						
Backstop automatic ET5020-001-380 with Controller	ET5020C-0002						
Backstop manual ET5025-001-380 with controller	ET5025C-0001						
Backstop automatic ET5025-001-380 with Controller	ET5025C-0002						
Backstop automatic ET5070-001-380 with Controller	ET5040C-0006						
Backstop manual ET5070-001-380 with Controller	ET5040C-0007						
Calibration tool for machine with Controller	ET5040C-0019						
Foot pedal for machine with Controller	ET5040C-0020						
Die set storage to put in front of crimper	ET5040C-0045						

Crimping machine accessories ordering options

		ET4500-001	ET4500-002	ET5020-001	ET5025-001	ET5070-001
Backstop manual ET4200-001-230/380	ET4200C-0001					
Backstop manual ET4250-001-012	ET4250C-0001					
Backstop manual ET4300-001-230/-380	ET4300C-0001					
Backstop manual ET4400-001-230/-380	ET4400C-0001					
Backstop automatic ET4400-001-230/-380	ET4400C-0002	X				
Backstop manual ET4500-001-230/-380	ET4500C-0001	X				
Backstop automatic ET4500-001-230/-380	ET4500C-0002		X			
Backstop manual ET4500-002-230/-380 with Controller	ET4500C-0003		X			
Backstop automatic ET4500-002-230/-380 with Controller	ET4500C-0004			X		
Backstop manual ET5020-001-380 with Controller	ET5020C-0001			X		
Backstop automatic ET5020-001-380 with Controller	ET5020C-0002					
Backstop manual ET5025-001-380 with controller	ET5025C-0001				X	
Backstop automatic ET5025-001-380 with Controller	ET5025C-0002				X	
Backstop automatic ET5070-001-380 with Controller	ET5040C-0006					X
Backstop manual ET5070-001-380 with Controller	ET5040C-0007		X	X		X
Calibration tool for machine with Controller	ET5040C-0019		X	X	X	X
Foot pedal for machine with Controller	ET5040C-0020	X	X	X	X	X
Die set storage to put in front of crimper	ET5040C-0045				X	X

Cutting machines

Efficient, precise and durable, our high-quality blades will accelerate your productivity. While using appropriate blades generates less smoke, debris, and heat—which can damage the final product—our offerings are also very cost-effective, lasting up to 7X longer than market alternatives.

We offer several types of cutting blades to meet the most common customer use cases, including slotted, and plated variants. Please check which blade we recommend for use with each machine

Unique drive motor with double bearings and oversized shafts

- A larger shaft enables a higher cutting force, enabling you to work faster and generate a more saleable product
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Longer time between blade sharpening increases productivity
- Reduces scrap with straight cuts for less shopfloor contamination and more cost-effective products

German-quality steel blades

- Long-lasting high-quality steel blades lower cost of ownership by enabling faster cutting, as well as less debris, smoke, and heat that can impact hose performance. This also reduces the risk of hose rubber and wire separating

Compact design

- Ideal for a mobile service

Safety features

- Safety motor brake meeting DIN CE standard requiring the blade to stop turning in 10 seconds
- Security shield

ET9400

Mobile cutting machine

Portable, easy to use, and designed for maximum safety, the ET9400 is a manual hose cutting machine for workshop use that also enables cost-effective field servicing. With a 3 kW drive, the ET9400 is suitable for hydraulic hoses up to 1¼" in size. It is compatible with the following blades:

- **ET9400C-275-SL** (275 x 3 x 30mm)
- **ET9400C-275-C** (275 x 3 x 30mm)

Machine Part Number	ET9400-275-380
Feed	manual
production_hose cutting diameter 4-Spiral / 6-Spiral	-12 / 3/4"
workshop_hose cutting diameter 4-Spiral / 6-Spiral	-20 / 1 1/4"
industiral_hose cutting diameter braided	-32 / 2"
Cutting blade	ET9400C-275-SL ET9400C-275-C

Specifications

Dimensions:
540mmx440mmx300 mm
Suction diameter: 80mm
Weight: 50 kg
Noise: 90 dBA
Electric drive: 3kW 3VAC (Brake motor)

Features & Benefits

- Manual feed
- For onsite service
- Small volumes and smaller hoses

ET9500 and ET9550

Workshop cutting machine

Designed for workshop use, our manual ET9500 and pneumatic ET9550 cutting machines support a wide range of the most common hose sizes at a reasonable price. They are suitable for hydraulic hoses up to 2" and a model that supports 3" industrial hoses is also available. It is compatible with the following blades:

- **ET9500C-350-C** (350 x 3 x 30mm)

Machine Part Number	ET9500-350-380	ET9550-350-380
Feed	manual	pneumatic
Production_hose cutting diameter 4-Spiral / 6-Spiral	-20 / 1 ¼"	-20 / 1 ¼"
Workshop_hose cutting diameter 4-Spiral / 6-Spiral	-32 / 2"	-32 / 2"
Industiral_hose cutting diameter braided	-48 / 3"	-48 / 3"
Cutting blade	ET9500C-350-C	ET9500C-350-C

Specifications

Dimensions (ET9500):
745mmx690mmx430mm
Suction diameter: 60mm
Weight: 75 kg
Noise: 90 dBA
Electric drive: 4,6kW 3VAC (Brake motor)

Dimensions (ET9550):
820mm x 785mm x 755 mm
Suction diameter: 60mm
Weight: 110 kg
Noise: 90 dBA
Electric drive: 3,6kW 3VAC (Brake motor)

Features & Benefits

- With manual or pneumatic feed

ET9600 and ET9650

Workshop cutting machine

Designed for workshop use, our manual ET9500 and pneumatic ET9550 cutting machines support a wide range of the most common hose sizes at a reasonable price. They are suitable for hydraulic hoses up to 2" and a model that supports 3" industrial hoses is also available. It is compatible with the following blades:

- **ET9600C-400-C** (38x400x400 mm)

Machine Part Number	ET9600-400-380	ET9650-400-380
Feed	manual	pneumatic
Production_hose cutting diameter 4-Spiral / 6-Spiral	-20 / 1 ¼"	-20 / 1 ¼"
Workshop_hose cutting diameter 4-Spiral / 6-Spiral	-32 / 2"	-32 / 2"
Industiral_hose cutting diameter braided	-64 / 4"	-64 / 4"
Cutting blade	ET9600C-400-C	ET9600C-400-C

Specifications

Dimensions (ET9600):
983mm x 760mm x 875mm
Suction diameter: 60 mm
Weight: 122 kg
Noise: 90 dBA
Electric drive: 4,6 kW 3 VAC (break motor)

Dimensions (ET9650):
983mm x 760mm x 540mm
Suction diameter: 60 mm
Weight: 140 kg
Noise: 90 dBA
Electric drive: 4,6 kW 3 VAC (break motor)

Features & Benefits

- With manual or pneumatic feed
- With wide opening

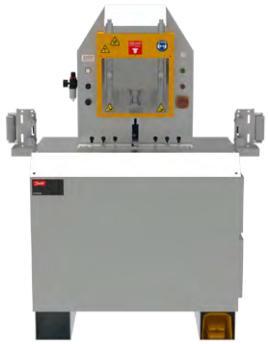
ET9700

Industrial production cutting machine

The ET9700 cutting machine can support high volume manufacturing across a broad range of hose sizes and construction types. With a 7.5 kW motor, the ET9700 is best suited to high-volume manufacturing of 2" hoses, along with a workshop capability for 3" high pressure hoses and 3" industrial hoses. It is compatible with the following blades:

- **ET9700C-520-C** (520x4x40 mm)

Machine Part Number	ET9700-520-380
Feed	pneumatic
production_hose cutting diameter 4-Spiral / 6-Spiral	-32 / 2"
workshop_hose cutting diameter 4-Spiral / 6-Spiral	-48 / 3"
industiral_hose cutting diameter braided	-48 / 3"
Cutting blade	ET9700C-520-C



Specifications

Dimensions:
1210 mm x 650 mm x 1650 mm
Suction diameter: 100 mm
Weight: 245 kg
Noise: 80 dBA
Electric drive: 7,5 kW / Break motor

Features & Benefits

- With pneumatic feed
- Low noise of 80 dBA
- High volume production machine

Efficient, precise and durable, our high-quality blades will accelerate your productivity. While using appropriate blades generates less smoke, debris, and heat – which can damage the final product – our offerings are also very cost-effective, lasting up to 7x longer than market alternatives.

We offer several types of cutting blades to meet the most common customer use cases, including slotted, and plated variants. Please check which blade we recommend for use with each machine

ET9400C-275-SL

Slotted blade

- Dimensions: 275x3x30 mm

Features & Benefits

- Unique design incorporates tiny slots to both cut and dissipate heat
- Cleanest cut of all blades
- Best blade on Teflon and LifeSense hose-recommended for any cut
- Same price as Advanced Scalloped blade

ET9400C-275-C

Diamond coated blade

- Dimensions: 275x3x30 mm

ET9500C-350-C

Diamond coated blade

- Dimensions: 350x3x30 mm

ET9600C-400-C

Diamond coated blade

- Dimensions: 400x4x30 mm

ET9700C-520-C

Diamond coated blade

- Dimensions: 520x4x40 mm

Features & Benefits

- Extremely effective cutting all hose styles and sizes:
- -40 six spiral hose cut clean in 15 seconds
- Quite dirty and smoky, just like abrasive blades
- Expensive: ~2 ½ - 3 times steel blades
- Lower cutting force

Skiving machines

Our tooling portfolio offers two highly efficient machines designed to skive all types of hydraulic hoses and fittings on the outside, on the inside, or on the outside and inside in one operation—enabling higher productivity and optimal results.

- A larger shaft enables a higher cutting force, enabling you to work faster and generate a more saleable product
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Longer time between blade sharpening increases productivity
- Reduces scrap with straight cuts for less shopfloor contamination and more cost-effective products

- Long-lasting high-quality steel blades lower cost of ownership by enabling faster cutting, as well as less debris, smoke, and heat that can impact hose performance. This also reduces the risk of hose rubber and wire separating

ET6100KT

Workshop skiving

The ET6100KT is a two-step workshop skiving machine for all types of hoses and fittings. It is suitable for skiving hoses from 5/8" to 2" on the inside and from 3/16" to 2" on the outside. User-friendly controls and fast change over times optimize the process, while an easy-to-open protective cover and safety flap reduce the risk of injury. The ET6100KT also includes a 2-year warranty.

Machine Part Number	ET6100KT
Skiving diameter (inner diameter)	5/8" (-10) / 2" (-32)
Skiving diameter (outer diameter))	3/16" (-3) / 2" (-32)
Simultaneous internal and external skiving	110 rpm
Engine	0,37 kW
Application area	workshop

Specifications

Dimensions:
440 mmx 440 mmx 545 mm
Weight: 35 kg
Noise: 60 dBA

Features & Benefits

- Easy handling via foot pedal
- Good overview to the operation (Makrolon®- glass window)
- Low setting time - Quick Connector (tooling change)

ET6110KT

Workshop skiving

The ET6110KT enables simultaneous internal and external hose skiving, completing the process in one efficient operation for higher productivity. It is suitable for skiving hoses from 3/4" to 2" on the inside and from 1/4" to 2" on the outside. User-friendly controls and fast change over times further optimize the process, with foot pedal motor control allowing the operator to use both hands to guide the hose. An easy-to-open protective cover and safety flap also reduce the risk of injury. The ET6110KT includes a 2-year warranty.

Machine Part Number	ET6110KT
Skiving diameter (inner diameter)	3/4" (-12) / 2 1/2" / (-40)
Skiving diameter (outer diameter))	1/4" (-4) / 2" (-32)
Simultaneous internal and external skiving	392 rpm / 592 rpm
Engine	1,2 / 1,8 kW (3 ~)
Application area	production

Specifications

Dimensions:
780 mmx 620 mmx 550 mm
Weight: 70 kg
Noise: 60 dBA

Features & Benefits

- Skiving for inner and outer diameter in one step
- Easy handling via foot pedal
- Good overview to the operation (Makrolon®- glass window)
- Low setting time - Quick Connector (tooling change)
- Lower drawer with easy access to remove the waste

Nipple inserters

Our two robust and ergonomic nipple inserters enable faster and easier installation of even very heavy or bent fittings, accelerating productivity and delivering high-performance results.

Good visibility of the work area

(Makrolon®- glass window) allows clear visibility and strong protection

Soft clamping

Safe but soft clamping for protective hose clamping

Ergonomic operations

Adaptable foot pedal control over hose clamping saves time and increases productivity by freeing both of the operator's hands. Lifting eyes also enable easy positioning of the machine.

Simple-to-use

Safe but soft clamping for protective hose clamping

Robust design

Drives cost-savings with high resistance to wear and tear and no need for regular maintenance.

Designed for safety

CE-compliant and includes safety guards for moving components.

ET6200KT

Workshop nipple inserter

The ET6200KT is a high-performance nipple inserter for difficult to assemble fittings. With a press force of 6 bar (90 psi), the ET6200KT has a working range of up to 2". It is compatible with all types of hoses and fittings and includes 10 different adapters.

Machine Part Number	ET6200KT
Max. nipple diameter	-32 / 2"
Clamping Force	5,1 kN (6 bar)
Air supply	7 bar (100psi)
Piston movement	100 mm
Application area	Workshop

Specifications

Dimensions:
600 mm x 810 mm x 310 mm
Weight: 35 kg

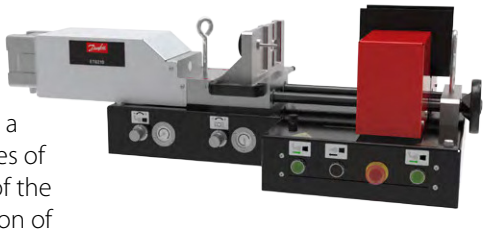
Features & Benefits

- Ideal for workshops
- Manual activation

ET6210KT

Industrial production nipple inserter

Suited to both workshop and production environments, the ergonomic ET6210KT eliminates lengthy set-up times. With a press force of 8 bar (116 psi), the ET6210KT has a working range of up to 3", features multi-purpose dies, and is compatible with all types of hoses and fittings. Adaptable foot pedal control over hose clamping also frees both of the operator's hands, while an innovative rapid tool sled enables simple and quick insertion of 90°, 45°, or straight fittings without time-consuming tool changes.



Machine Part Number	ET6210KT
Max. nipple diameter	-48 / 3"
Clamping Force	8 kN (8 bar)
Air supply	7 bar (100psi)
Piston movement	-
Application area	Production

Specifications

Dimensions:
625 mm x 1185 mm x 320 mm
Weight: 100 kg

Features & Benefits

- For high volume production
- Food pedal activation

Marking machines

Our tooling portfolio offers two embossing and marking machines that permanently imprint appropriate information onto hose assemblies—enabling easy identification as required by CE standards.

Good visibility of the work area

(Makrolon®- glass window) allows clear visibility and strong protection

Soft clamping

Safe but soft clamping for protective hose clamping

Ergonomic operations

Adaptable foot pedal control over hose clamping saves time and increases productivity by freeing both of the operator's hands. Lifting eyes also enable easy positioning of the machine.

Simple-to-use

Safe but soft clamping for protective hose clamping

Robust design

Drives cost-savings with high resistance to wear and tear and no need for regular maintenance.

Designed for safety

CE-compliant and includes safety guards for moving components.

ET6300KT

Manual hose marking

The ET6300KT is a manual marking machine suitable for all hoses and fittings that features an easy-to-use, compact table-top design. With 30 insertable steel characters and a marking area of Ø 11.5 - 90 mm, the ET6300KT enables two rows of up to 15 characters each. It comes with a two-year warranty.

Machine Part Number	ET6300KT
Working area	Ø 11,5 - 90 mm
Working depth	0,5 mm
Engine	manual

Specifications

Dimensions:
272 mm x 200 mm x 750 mm
Weight: 35 kg

Features & Benefits

- Portable marking machine for mobile service
- Easy to handle and flexible to use

ET6310KT

Industrial production hose marking

The ET6310KT is a pneumatic marking machine suitable for high-volume production environments and compatible with all hoses and fittings. With 22 insertable steel characters and a marking area of Ø 11.5 - 100 mm, the ET6310KT enables two rows of up to 15 characters each. It comes with a two-year warranty.

Machine Part Number	ET6310KT
Working area	Ø 11,5 - 90 mm
Working depth	0,5 mm
Engine	pneumatic 7 bar

Specifications

Dimensions:
600 mm x 454 mm x 500 mm
Weight: 80 kg

Features & Benefits

- For high volume production

We're changing the **crimping game.**

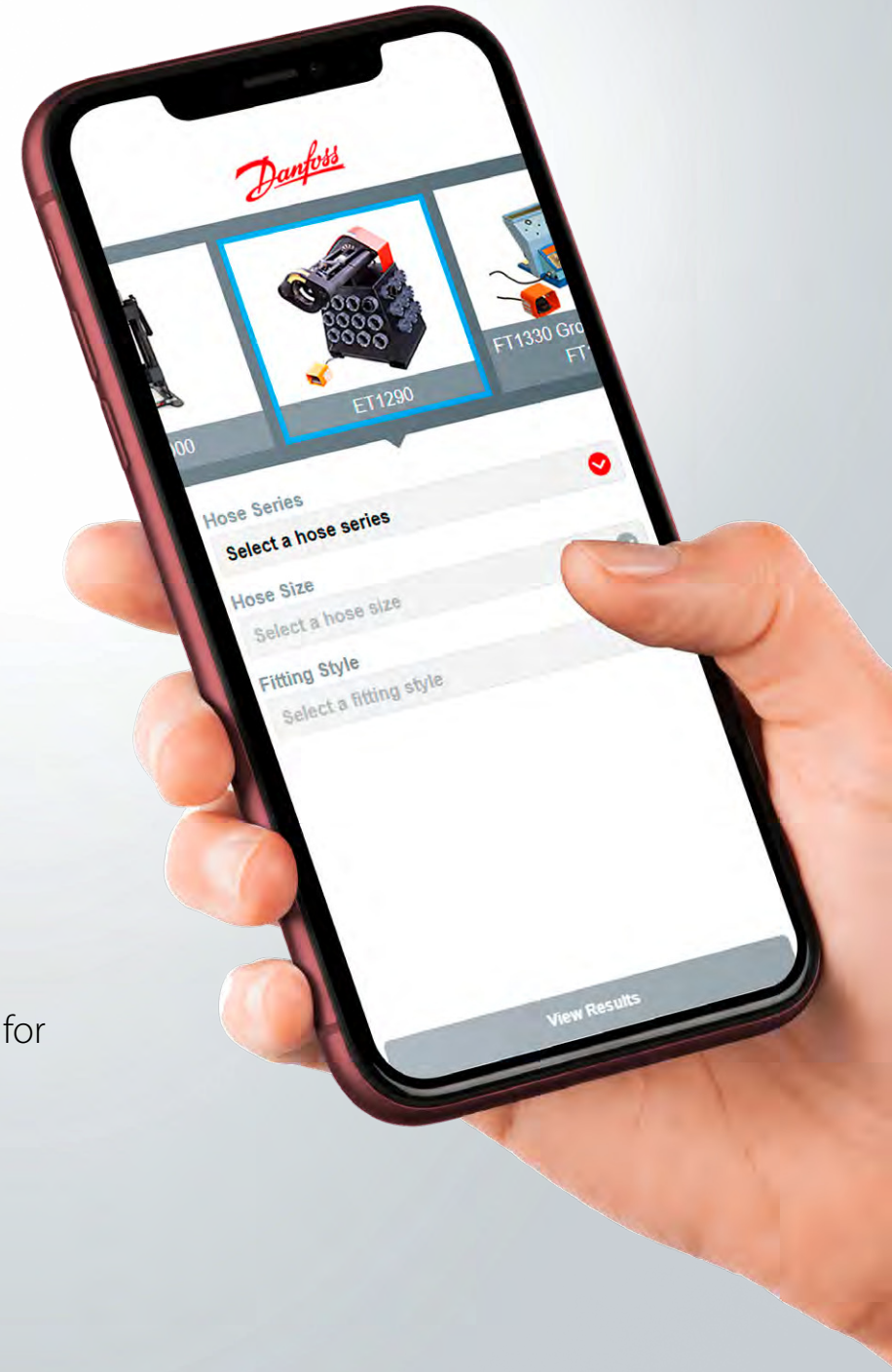
Mobile crimp tool

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 **www.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.



Danfoss-Powered Solutions:

On-Site Hose Assembly Workshop Delivers Efficiency!

Introducing - your solution for seamless hydraulic maintenance right at your work site. Our fully equipped mobile workshop bring hydraulic hose replacement and repair capabilities directly to construction, oil and gas, mining, and other sites, minimizing disruptions.

Equipped with specific Danfoss hoses, fittings, and tooling, our workshops enable on-the-spot hose assembly creation and repair, 24/7. No more long waits for shipments or costly travel to find a service provider. With Danfoss On-Site Hose Assembly Workshops, staff can quickly and conveniently repair or replace hose assemblies with exact hose and fitting types used on site.

The customizable configurations of Danfoss on-site hose assembly workshops enable workspace optimization for maximum productivity. Machines can be selected and arranged within the container according to specific hose requirements and production needs.

Minimize Downtime

Ensures a rapid response, minimizing downtime by providing on-site hose replacement.

Convenience and Efficiency

We bring the hydraulic hose service to your location, saving you time and ensuring a more efficient solution.

24/7 Availability

Our On-Site Hose Assembly Workshop may operate around the clock, providing a 24/7 solution.

Cost-Effective

Eliminates the need for expensive equipment transportation and reduces overall downtime.

Enhances Safety

By quickly addressing hydraulic issues, preventing potential accidents or damage.

Tailured Solutions

We offer customized set up of our mobile workshop, utilizing the most optimal tooling machines and furniture.

Environmental Responsibility

By offering on-site services we reduce the need for multiple trips, contributing to a more environmentally friendly approach to hydraulic hose maintenance.

ENGINEERING
TOMORROW

About Danfoss Power Solutions FC

Danfoss hoses, fittings, and tooling provide the ultimate fluid conveyance solutions for a variety of equipment and applications around the world. We proudly engineer to support a sustainable future for tomorrow.

To learn more please visit: http://www.danfoss.com/en/about-danfoss/our-businesses/power-solutions

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