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Hydraulic Hoses, Fittings and Equipment

Machines, Tooling, Accessories



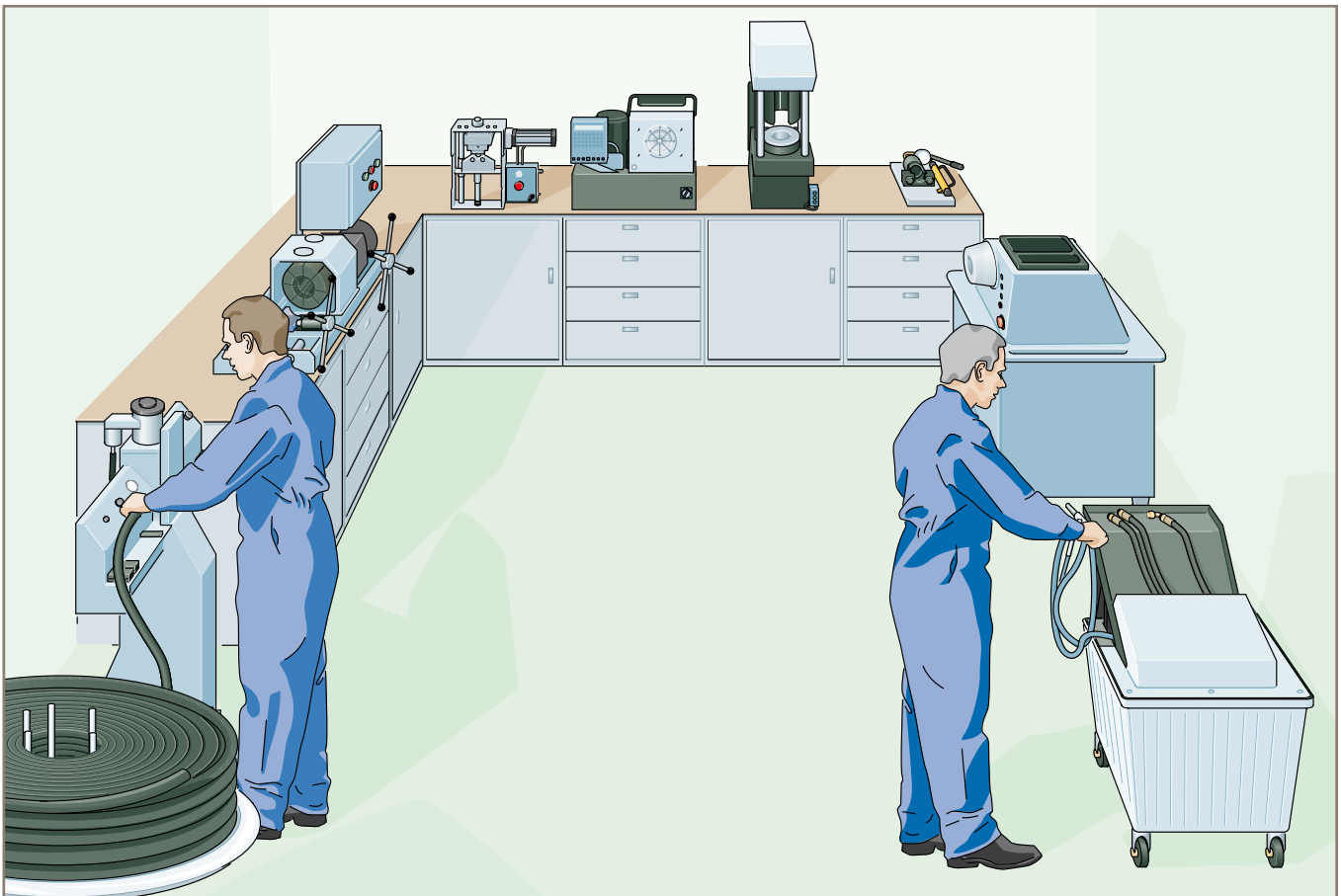
ENGINEERING YOUR SUCCESS.

Hydraulic Hose Assembly Workshop Equipment

– meeting the demands of professional hose assembly manufacture

Hose assemblies must be manufactured in conformity with all the relevant EN/ISO standards and with the requirements of various work safety and trade associations.

Hose Products Division Europe has selected and developed a complete range of machines and tooling to ensure effective and safe production of hose assemblies. This can be achieved only when equipment designed for the purpose is used.



The programme includes the right tools for cutting hoses and for the crimping, marking and cleaning of hose assemblies; also, last but not least, appropriate hose assembly testing equipment, all of which allow production of ready-to-install Parkrimp No-Skive and ParLock hose assemblies.

Hydraulic Hose Assembly Workshop Equipment

The Parker range of Parkrimp machines and crimping machine technology are recognised industry-wide as the easiest and most accurate crimping system available.



Hose Cut-Off Machine
TH 3-14



Hose Cut-Off Machine TH 3-2



Hose Assembly
Test Bench TH5-3



Hose Reel TH7-12



Cleaning System
TH6-6

Parkrimp® *No-Skive*

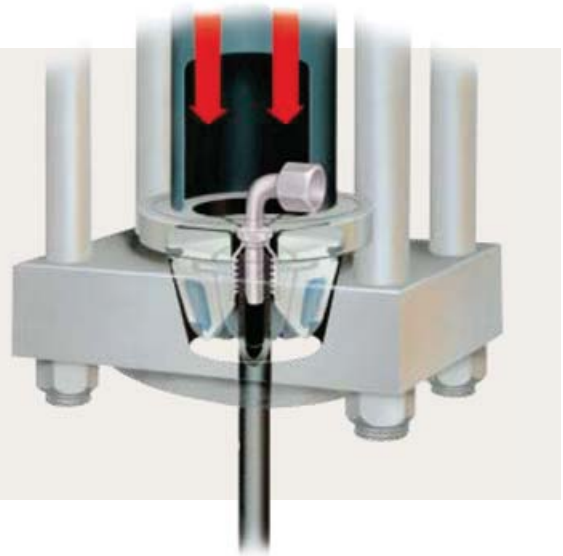
The system for fast and leak-free assemblies

Hose fittings have an impact on the overall efficiency and safety of a hydraulic system. The No-Skive concept was launched by Parker Hannifin some 30 years ago but

continuous development and the use of modern materials and production techniques have resulted in a state-of-the-art hose to fitting connection. Much easier handling and a high level of safety

are available with No-Skive crimp fittings. Parker offers No-Skive fittings in one and two pieces as part of a package consisting of quality hose, No-Skive fittings, hose crimpers and tooling.

Parkrimp *No-Skive* one-piece fittings



Parkrimp® No-Skive

- No skiving tool needed
- No need to remove the cover
- Crimps one-piece fittings
- Parkalign positions the fittings in the die perfectly every time
- Quick and easy: no gauges to set on the machine
- Portable machines for field repair
- Meets EN safety regulations

Parkrimp crimpers for *No-Skive* one-piece fittings



KarryKrimp® 2

Parkrimp 2®

PHastkrimp®

ParLock Hose and Fittings

The high-performance skiving system

Certain customers and applications stipulate the usage of multi-spiral hose assemblies with external/internal skive-type fittings. With the ParLock hose and fitting range, Parker meets this demanding market requirement.

Parker adjustable crimpers for two-piece fittings ensure precise, leak-free and tear-proof assembly of hose and fitting.

- High flex-impulse applications
- High vibration applications

- The ParLock design is approved by the German Accident Prevention & Insurance Association (Berufsgenossenschaft) conforming to EN 201 (approved for injection-moulding machine applications)

ParLock two-piece skive fittings



Hose skiving machine TH2-13-3PH

The ParLock System

- A full range of multi-spiral hoses to ISO 3862 (4SP to R15)
- Field-tested, proven reliability
- Hose and fitting combinations giving performance that exceeds ISO/EN requirements
- Approved hose and fitting compatibility "one manufacturer, one source"

Adjustable crimpers for two-piece ParLock skive fittings



TH8E-530



TH8E-380-BM



TH8-800-BM

Hose Whip Restraint

Safety Restraining System for Pressure Hoses



- Prevents whipping of a pressurized hose in the event of the hose separating from its fitting
- The system consists of two parts – a hose collar and a cable assembly



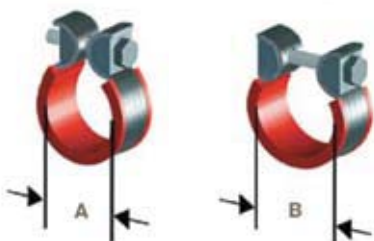
Parker's Hose Whip Restraint System is designed to prevent whipping of a pressurized hose in the event of the hose separating from its fitting. The Hose Whip Restraint System provides an additional level of safety and helps prevent damage to nearby equipment or injury to operators near the failed hose by limiting the whip or travel of the pressurized hose after it breaks free from its hose fitting. Serious damage or injury can occur from whipping hoses, especially at higher pressures.

The system consists of two parts – a hose collar and a cable assembly. The hose collar (WRCxx) is selected based on the outside diameter of the hose, and the cable assembly is selected based on the type of hose connection. Two types of cable assemblies are available – one for flange-type connections (WRFxxx), and the other for port adapters (WRAxxx).

The Hose Whip Restraint is not to be used in place of proper hose crimping procedures. Exceeding the maximum operating pressure of the hose jeopardizes the proper operation of the Hose Whip Restraint System.

Hose collars

for Hose Whip Restraint System



Cable Assemblies

for hoses attached with port adapters



Cable Assemblies

for hoses using flange-style connections (code 61 and code 62 flanges)



For more information about hose whip restraint please refer to page Eb-18

Machines, Tooling, Accessories

Machines

Parkrimp® Crimping Presses	Ea-1 – Ea-4
Accessories for Parkrimp® Crimping Presses	Ea-5
Parkrimp® – Die Sets	Ea-6
Hose Cutting Machines	Ea-7 – Ea-13
Marking Machines	Ea-14 – Ea-15
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Hose Assembly Test Bench	Ea-20
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Accessories

Flange Half	Eb-1
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Banjo Bolt	Eb-3
O-Rings	Eb-4 – Eb-5
Worm Drive Hose Clamps	Eb-6 – Eb-7
Hose Protection	Eb-8 – Eb-17
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Containment Grips	Eb-19
Thread Identification Kit	Eb-19
Parker „Hoze-Oil“	Eb-20
OilOn	Eb-20
Push-Lok® Assembly Oil	Eb-20
Push-Lok® Assembly Tool	Eb-20

Assembly Instructions

KarryKrimp® 1	Ec-1
KarryKrimp® 2 / PHastkrimp®	Ec-2
Parkrimp® 2	Ec-3

Crimp Charts

KarryKrimp® 1 / Parkrimp® 1	Ed-1 – Ed-3
KarryKrimp® 2 / PHastkrimp®	Ed-4 – Ed-7
Parkrimp® 2	Ed-8 – Ed-11
Adjustable Crimper	Ed-12 – Ed-13

KarryKrimp® 1 Crimping Press 82CE-061

Portable crimper for braided hoses

- Crimps
 - 1 and 2 steel wire or textile braided hoses size -4 up to size -20
- Easily portable for outside work
- Used for service with hand pump or airhydraulic and electrical pump



Primary Applications

Small workshops, repair shops, mobile service vehicles

Fittings Series

26, 46, 48

Restrictions

Not suitable for multispiral hoses, 2-piece fittings, stainless steel fittings and serial production of hose assemblies in size -12 and above.

Technical / Order Data

KarryKrimp 1 with hose assembly and 2 die rings, but without pump	Dimensions	H 720 x W 335 x D 330 mm
	Weight	29 kg
	Part Number	82C-061
KarryKrimp 1 with hose assembly, 2 die rings and hand pump 82C-2HP	Weight	33 kg
	Part Number	82CE-061
KarryKrimp 1 with hose assembly, 2 die rings and air hydraulic pump 82CE-0AP	Weight	34 kg
	Part Number	82CE-003
Die rings	silver	Part Number 82C-R01
	black	Part Number 82C-R02

Accessories see page **Ea-5**



Hand pump
82C-2HP



Air hydraulic pump
82CE-0AP



Hose assembly
82C-00L

KarryKrimp® 2 Crimping Press 85CE-061

Portable crimper for braided and multispiral hoses

- Crimps
 - 1 and 2 steel wire or textile braided hoses up to size -20
 - 3 steel wire braided hoses up to size -16
 - 4 layer multispiral hoses up to size -16
 - compact spiral hoses up to size -12
- Easily portable for outside work
- Used for service with hand pump, airhydraulic or electrical pump



Primary Applications

Small workshops, repair shops, mobile service vehicles.
Crimps both steel and stainless steel fittings.

Restrictions

Not suitable for 2-piece fittings.

Fittings Series

26, 46, 48, 70, 71, 73, 77, 78

Technical / Order Data

KarryKrimp 2 with hose assembly, quick coupling, 2 die rings but without pump	Dimensions	H 762 x W 356 x D 381 mm
	Weight	46 kg
	Part Number	85C-061
KarryKrimp 2 with hose assembly, quick coupling, 2 die rings and <i>hand pump 85CE-0HP</i>	Weight	58 kg
	Part Number	85CE-061
KarryKrimp 2 with hose assembly, quick coupling, 2 die rings and <i>turbo air pump 85C-0AP</i>	Weight	55 kg
	Part Number	85CE-003
Die rings	silver	Part Number 85C-R01
	black	Part Number 85C-R02

Accessories see page **Ea-5**



Hand pump
85CE-0HP



Turbo Air Pump
85C-0AP



Hose assembly
82C-00L

PHastkrimp® Crimping Press 89CE-061

Fast benchmounted crimper for braided and multispiral hoses

- Crimps
 - 1 and 2 steel wire or textile braided hoses up to size -20
 - 3 steel wire braided compact up to size -16
 - 4 layer multispiral hoses up to size -16
 - compact spiral hoses up to size -12
- Used for service with 400 V hydraulic power unit



Primary Applications

Small workshops and repair shops (for small series)
Crimps both steel and stainless steel fittings.

Restrictions

Not suitable for 2-piece fittings.

Fittings Series

26, 46, 48, 70, 71, 73, 77, 78

Technical / Order Data

PHastkrimp with two die rings, but without connector plug and oil	Electrical power	400 V / 2.2 kW / 4.2 A / 50 Hz
	Dimensions	H 1477 x W 866 x D 1298 mm
	Weight	249 kg
	Part Number	89CE-061
Die rings	silver	Part Number 85C-R01
	black	Part Number 85C-R02

Parkrimp® 2 Crimping Press 83CE-083U

Bench-mounted crimper for all Parkrimp *No-Skive* hose types from size -4 up to size -32, including 4 and 6 layer multispiral hoses

- Crimps
 - 1 and 2 steel wire or textile braided hoses up to size -32
 - 3 steel wire braided compact up to size -16
 - 4 and 6 layer multispiral hoses up to size -32
 - compact spiral hoses up to size -16
- Used for service with 400 V hydraulic power unit



Primary Applications

Workshops and repair shops (for small series)
Crimps both steel and stainless steel fittings.

Restrictions

Not suitable for 2-piece fittings.

Fittings Series

26, 46, 48, 70, 71, 73, 76, 77, 78, 79, S6


Technical / Order Data


Parkrimp 2 with power unit, bench-mounted, but without die sets, connector plug and oil

Electrical power	400 V / 4.4 kW / 8.9 A / 50 Hz	
Dimensions	H 1170 x W 530 x D 985 mm	
Weight	without packaging	370 kg
	with packaging	430 kg
Part Number	83CE-083U	
Adaptor bowl	Part Number	83C-0CB
Die ring	Part Number	83C-R02


Accessories for KarryKrimp® 1 and KarryKrimp® 2


For use with Karrykrimp 1 crimping press

Hand pump 82C-2HP		Working pressure	max. 70 MPa
		Dimensions	L 530 x W 121 x H 178 mm
		Weight	4.1 kg
		Usable oil capacity	900 ccm
		Lever force	42 kg
		Part Number	82C-2HP


Air hydraulic pump 82CE-0AP		Working pressure	max. 70 MPa at 0.4 to 0.7 MPa
		Dimensions	L 395 x W 148 x H 145 mm
		Weight	5.5 kg
		Usable oil capacity	590 ccm
		Connection	air 1/4-18 NPTF thread
		Part Number	82CE-0AP

For use with KarryKrimp 1 and KarryKrimp 2 crimping presses

Hand pump 85CE-0HP		Working pressure	max. 70 MPa
		Dimensions	L 560 x W 147 x H 180 mm
		Weight	10.9 kg
		Usable oil capacity	2294 ccm
		Lever force	47 kg
		Part Number	85CE-0HP

Turbo air pump 85C-0AP		Working pressure	70 MPa
		Dimensions	L 350 x W 170 x H 210 mm
		Weight	8.2 kg
		Usable oil capacity	2080 ccm
		Connection	air 1/4-18 NPTF thread
		Part Number	85C-0AP

Power pump 82CE-0EP		Working pressure	70 MPa with 3/2 hand valve
		Dimensions	L 244 x W 244 x H 362 mm
		Weight	10.0 kg
		Usable oil capacity	1900 ccm
		Connection	230 V / 50/60 Hz / 10 A
		Part Number	82CE-0EP

Hose Assembly 82C-00L Hose assembly to connect pump to the press		Working pressure	max. 70 MPa
		Length	1830 mm
		Port size	3/8-18 NPT male coupling 3/8"
		Part Number	82C-00L

Parkrimp® – Die Sets

Parker`s Colour-Coded Die Sets

- Chain link keeps segments together
- No loose parts to mismatch or misplace
- The crimp die provides 360-degree gripping power for greater impulse life



Note: *Please consult the pages **Ec** for assembly instructions.
Die sets with the "H" suffix are used for jump sizes and certain metric fittings to permit insertion and removal of fittings. Die sets 80C-XX 8 segments are chained together. Die sets 83C-XX consist of two chained halves. Exceptions 83C-D06, -D08, -D10, -D12, -D16

Hose I.D. size DN		Die sets	Part Number								
			26 series	46 series	48 series	70 series	71 series	73/78/79 series	76 series	77 series	S6 series
-4	6	red	80C-E04	80C-B04	80C-C04						
-5	8	violet	80C-E05	80C-B05	80C-C05						
-6	10	yellow	80C-E06	80C-B06	80C-C06	83C-D06	83C-D06				
-8	12	blue	80C-E08	80C-B08	80C-C08	83C-D08	83C-D08			80C-CS08	
-10	16	orange	80C-E10	80C-B10	80C-C10	83C-D10	83C-D10			80C-CS10	
-12	20	green	80C-E12	80C-B12	80C-C12	83C-D12	83C-D12	83C-L12 or 80C-L12	83C-U12	80C-CS12	
-16	25	black	80C-E16	80C-B16	80C-C16	83C-D16 or 83C-D16H	83C-D16 or 83C-D16H	83C-L16 or 80C-L16	83C-U16	83C-CS16	
-20	32	white	83C-E20	80C-B20	80C-C20 or 83C-C20H*		83C-D20 or 83C-D20H*	83C-L20			
-24	40	red	83C-E24		83C-C24		83C-D24	83C-L24			
-32	50	green	83C-E32		83C-C32		83C-D32	83C-L32			83C-L32

Hose Cutting Machine EM 10.P

- Cuts
 - 1 steel wire or textile braided hoses up to size -16
 - 2 steel wire braided hoses up to size -12
- Can be used on a workbench or in a vice bench
- Cutting blade covered during use
- Equipped with an electrical safety switch



Primary Applications

Repair shops or mobile service vehicles, preferably in combination with KarryKrimp 1

Restrictions

Not suitable for multispiral hoses or large bore industrial hoses.

Technical / Order Data

Hose Cutting Machine EM 10.P

with cutting blade, smooth TM 160 x 2,5 x 20

Electric motor	circular saw motor 230 V
Electric power	50/60 Hz / 1200 W / 6100 rpm
Electrical insulation	according VDE KI.II 0740
Radioshielding	according VDE 0875
Cutting blade	160 x 2.5 x 20 mm (HSS)
Dimensions	L 360 x W 340 x H 310 mm
Weight	8 kg
Part Number	EM 10.P
Part Number	TM 160 x 2,5 x 20

Cutting blade, smooth

Hose Cutting Machine TH 3-2-12VDC

- Cuts
 - 1 and 2 steel wire or textile braided hoses up to size -20
 - 4 steel wire multispiral hoses up to size -16
- For mobile service vehicles with 12 V connection



Primary Applications

Mobile service vehicles

Restrictions

Not suitable for large bore hoses or multispiral hoses.

Technical / Order Data

Hose Cutting Machine TH 3-2-12VDC with cutting blade, serrated	Electric motor	12 V / 2.4 kW
	Cutting blade	250 x 2 x 40 mm
	Dimensions	W 567 x D 470 x H 365 mm
	Weight	30 kg
	Part Number	TH3-2-12VDC
Cutting blade, serrated 250 x 2 x 40 mm	Part Number	TM250x2x40Z

Hose Cutting Machine TH 3-2

- Cuts
 - 1 and 2 steel wire or textile braided hoses up to size -32
 - 4 steel wire multispiral hoses up to size -20
- Cutting blade covered during use
- Motor with surface brake and thermo-protection



Primary Applications

Service in hose workshops and for small series production

Restrictions

Not suitable for 6 layer multispiral hoses.

Technical / Order Data

Hose Cutting Machine TH3-2 with cutting blade, smooth T891179	Electrical power	400 V / 3.8 kW / 50 Hz
	Exhaust system Ø	50 mm
	Cutting blade	275 x 3 x 30 mm
	Dimensions	L 540 x W 430 x H 300 mm
		with hand lever H 750 mm
	Weight	49 kg
	Part Number	TH3-2
Cutting blade, smooth 275 x 3 x 30 mm	Part Number	T891179
Cutting blade, serrated 275 x 3 x 30 mm	Part Number	T906202

Hose Cutting Machine TH 3-3

- Cuts
 - 1 and 2 steel wire or textile braided hoses up to size -32
 - 4 steel wire multispiral hoses up to size -32
 - 6 steel wire multispiral hoses up to size -20
- Cutting blade covered during use
- Motor with surface brake and thermo protection



Primary Applications

Service in hose workshops and for small series production

Restrictions

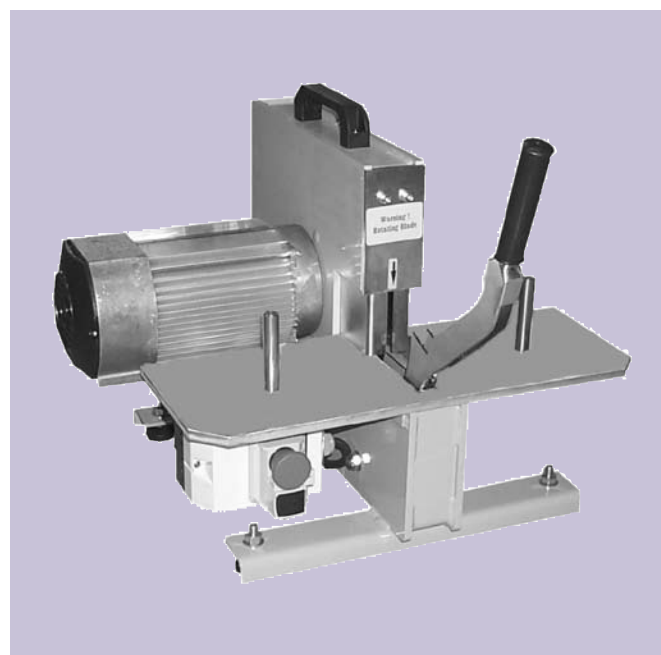
Cutting 6 layer multispiral hoses will reduce the service life of the blade.

Technical / Order Data

Hose Cutting Machine TH3-3 with cutting blade, smooth T891180	Electrical power	400 V / 4.4 kW / 50 Hz
	Exhaust system Ø	80 mm
	Cutting blade	350 x 3 x 30 mm
	Dimensions	L 650 x W 550 x H 370 mm
	with hand lever	H 1050 mm
	Weight	75 kg
	Part Number	TH3-3
Cutting blade, smooth 350 x 3 x 30 mm	Part Number	T891180
Cutting blade, serrated 350 x 3 x 30 mm	Part Number	T905871

Hose Cutting Machine TH 3-13

- 2 motor alternatives: 12 Volt or 400 Volt
- 400 V machine cuts
 - 1 and 2 steel wire or textile braided hoses up to size -32
 - 4 steel wire multispiral hoses up to size -20
- 12 V machine cuts
 - 1 and 2 steel wire or textile braided hoses up to size -20
 - 4 steel wire multispiral hoses up to size -12
- Robust construction, highly reliable and easily to operate
- Smoke evacuation connection (prepared)



Primary Applications

Smaller workshops and mobile service vehicles

Restrictions

12 Volt version, please note the care specification.

Technical / Order Data

Hose Cutting Machine TH3-13	Max. hose diameter	80 mm
	Exhaust system Ø	63 mm
	Speed	2880 rpm
	Cutting blade	300 x 3 x 50 mm
	Dimensions	L 450 x W 400 x H 430 mm
	Weight	45 kg
Hose Cutting Machine TH3-13 / 3-phase, 400 Volt	Electrical power	400 V / 3.0 kW / 16 A / 50 Hz
	Part Number	TH3-13-3PH
Hose Cutting Machine TH3-13 / 12 Volt	Electrical power	12 V / 1.1 kW
	Part Number	TH3-13-12V
Cutting blade, smooth 300 x 3 x 50 mm	Part Number	TH3-13-BS
Cutting blade, serrated 300 x 3 x 50 mm	Part Number	TH3-13-BT

Hose Cutting Machine TH 3-14

- Cuts
 - 1 and 2 steel wire or textile braided hoses up to size -32
 - 4 steel wire multispiral hoses up to size -32
 - 6 steel wire multispiral hoses up to size -20
- Very safe operation
- “Open throat” hatch for inserting the hose from the front
- Pre-selection of three different cutting speeds to avoid overheating of the cutting blade
- Variable cutting stroke



Primary Applications

Service and series production at hose workshops for multispiral hoses and large dimensions

Restrictions

Not recommended for constant cutting of large-bore 4- or 6-wire multispiral hoses. Not for shorter than 300 mm hose length.

Technical / Order Data

Hose Cutting Machine TH3-14

3-phase, 400 Volt
with cutting blade, smooth TH3-14-BS

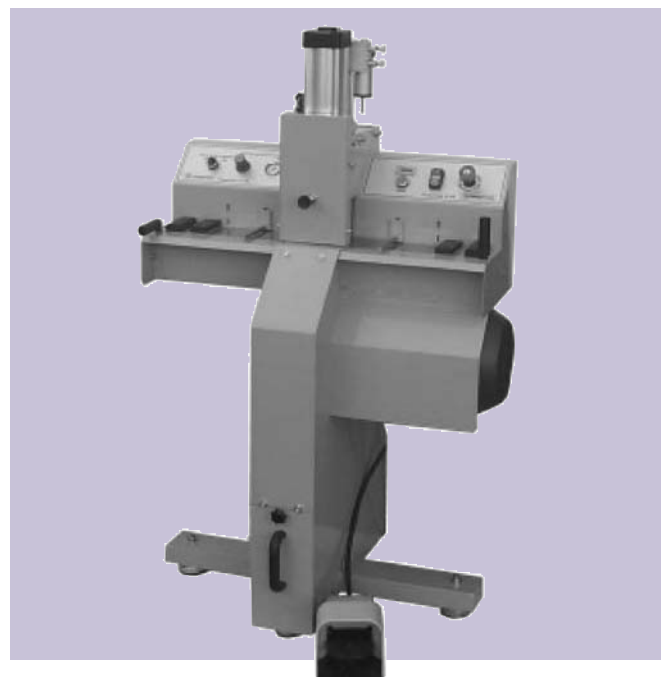
Electrical power	230/400 V / 5.5 kW / 16 A / 50 Hz
Air pressure	min. 0.6 MPa
Counter	0 - 9999 pcs
Max. hose diameter	80 mm
Exhaust system Ø	100 mm
Speed	2850 rpm
Cutting blade	400 x 4 x 50 mm
Dimensions	L 700 x W 600 x H 1300 mm
Weight	140 kg
Part Number	TH3-14-3PH
Cutting blade, smooth 400 x 4 x 50 mm	Part Number TH3-14-BS
Cutting blade, serrated 400 x 4 x 50 mm	Part Number TH3-14-BT

Hose Cutting Machine TH 3-15

- Cuts
 - all industrial hose types up to 75 mm O.D.
 - 1, 2 and 3 steel wire or textile braided hoses up to size -40
 - 4/6 steel wire multispiral hoses up to size -32
- Extremely strong hydraulic and pneumatic operation for heavy duty series production
- “Open throat” hatch for inserting from the front
- Pneumatic hose pre-bending system (3 different cutting strokes)
- Motor controlled cutting blade brake
- Variable cutting speed control to avoid overheating of the blade

Primary Applications

Service and series production at workshops.



Restrictions

Not for shorter than 300 mm hose length.

Technical / Order Data

Hose Cutting Machine TH3-15 3-phase, 400 Volt

Electrical power	230/400 V / 7.5 kW / 25 A / 50 Hz
Air pressure	min. 0.6 MPa
Counter	0 - 9999 pcs
Max. hose diameter	75 mm
Exhaust system Ø	100 mm
Speed	2850 rpm
Cutting blade	520 x 4 x 38 / 50 mm
Dimensions	L 900 x W 645 x H 1500 mm
Weight	210 kg

Part Number TH3-15-3PH

Cutting blade, smooth 520 x 4 x 38 mm

Part Number TH3-15-BS

Cutting blade, serrated 520 x 4 x 38 mm

Part Number TH3-15-BTF

Cutting blade, serrated 520 x 4 x 50 mm

Part Number TH3-15-BTS

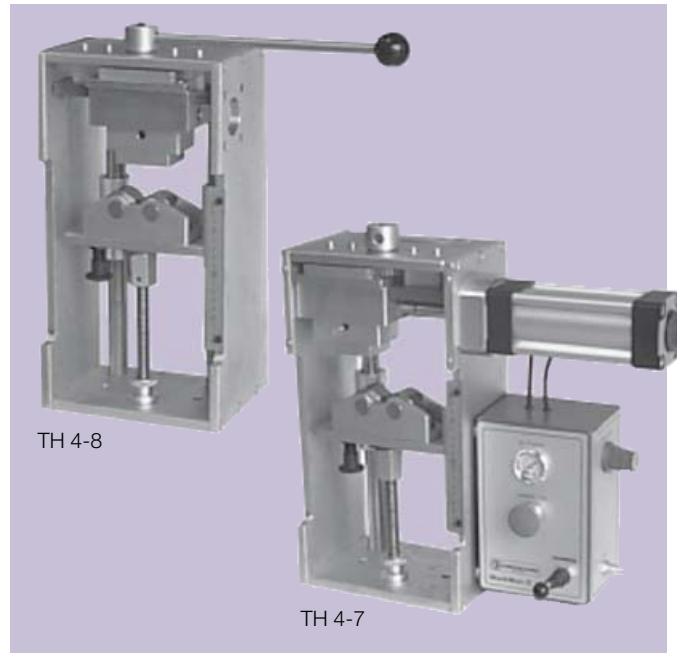
Adapter ring 50 x 38 mm

Part Number TH3-15-BAR

Marking Machines

TH 4-7, TH 4-8

- Manually or pneumatically driven
- Suitable for marking all 1- and 2-piece fittings series up to size -32



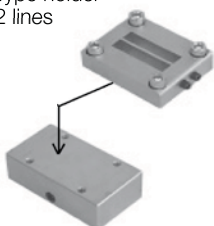
Primary Applications

Smaller workshops and mobile service vehicles

Technical / Order Data

Marking Machine TH 4-8 manual excl. QC-adapter, type case and type holder	Colour	zinc plated
	Dimensions	L 500 x W 200 x H 500 mm
	Weight	28 kg
	Part Number	TH4-8
Marking Machine TH 4-7 pneumatic excl. QC-adapter, type case and type holder	Colour	zinc plated
	Air pressure	min. 0.6 MPa
	Dimensions	L 500 x W 380 x H 500 mm
	Weight	35 kg
Part Number	TH4-7	
Type case 3 mm	Part Number	TH4-9
Type print holder 2 lines	Part Number	TH4-9-1
QC-adapter for type print holder	Part Number	TH4-10

Type holder
2 lines



QC-adapter



Type case

Type case TH 4-9 content

AAABBCCDDEEEFFGGHHIIJJKK
 LLLMMNNNOOOPPQQRRRSSSTT
 UUUUVWXYZ//...,11112222333344
 44556667778889990000 and 20 pcs of blanks
 + mirror

Hand Marking Tools TH 4-4 U, TH 4E-11

- Hand marking tool for marking the crimp shells of 1- and 2-piece fittings up to size -32
- Permanent and easy marking in hose assembling workshops
- Type holder with two lines makes it possible to print additional information on the shell or fittings

TH 4E-11

- The cost efficient alternative



Primary Applications

Workshops and mobile service vehicles

Technical / Order Data

Hand Marking Tool TH 4-4 U including type case and quick-change stamping tool	Marking area	Ø O.D. 11.5 mm - 100 mm
	Dimensions	L 250 x W 340 x H 450 mm
	Type holder	2 lines
	Weight	35 kg
	Part Number	TH4-4U
Type case for TH 4-4 U	Part Number	UPTS 100
Quick-change stamping tool for TH 4-4 U single line	Part Number	UPTH-11b-PW3
Type holder for TH 4-4 U 2 lines	Part Number	UPTH-22b
Hand Marking Tool TH 4E-11 including type case and type holder	Marking area	Ø O.D. 8 mm - 80 mm
	Dimensions	L 285 x W 265 x H 410 mm
	Type holder	1 line
	Weight	12 kg
	Part Number	TH4E-11
Type case for TH 4E-11	Part Number	TH4E-11-TC
Type holder for TH 4E-11	Part Number	TH4E-11-TH



Stamping tool
 UPTH-11b-PW3

Type case UPTS 100 content

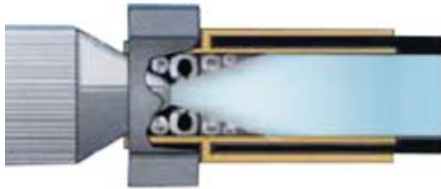
Letters: 1x P, 1x N, 3x letters empty
 Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
 Neutral: 1x 15 mm, 1x 30 mm + brush, tweezers, key

Type case TH4E-11-TC content

Letters: 1x P, 1x N, 3x letters empty
 Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
 Neutral: 1x 15 mm, 1x 30 mm + brush, tweezers, key

Cleaning System TH 6-6

- Cleaning device for hose and hose assemblies for hoses up to size -20
- Assemblies flushed with fluid and blown out with air
- Defined cleanliness levels can be achieved
- Air connection min. 0.7 MPa required

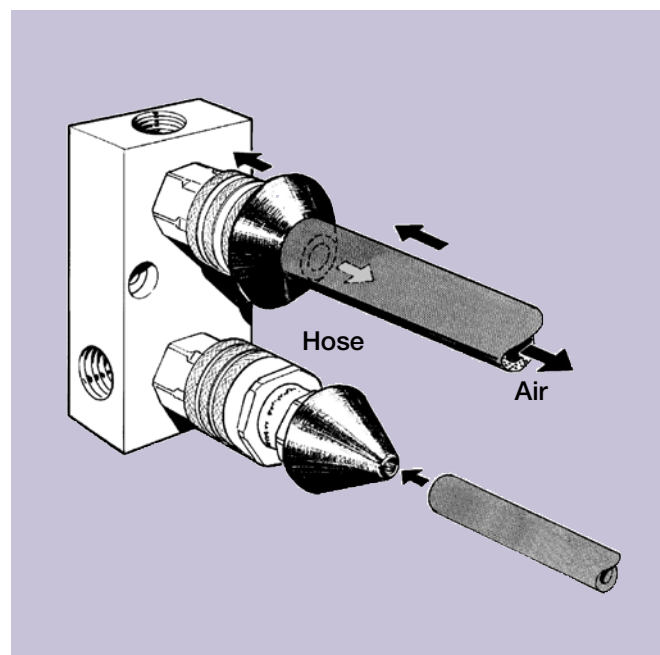


Technical / Order Data

	Air pressure	min. 0.7 MPa
	Flow	8 l/min
	Air consumption	max. 100 NI/min
	Length	(depending on I.D.) max. 2.5 m
	Dimensions	L 960 x W 435 x H 940 mm
	Weight	55 kg
	with cleaning fluid	93 kg
Cleaning Machine TH 6-6	Part Number	TH6-6
Filter set without cartridges	Part Number	H899959
Filter cartridges 5 µm	Part Number	600.4
Neutral cleaning fluid additive (18 litre drum)	Part Number	H899771

Cleaning System TH 6-7

- Quick and simple system using compressed air to clean hoses
- Delivered with two plastic nozzles for hoses from size -4 up to -32.



Application

The hose is pressed against the nozzle and thereby opens a valve to allow the compressed air to blow through the hose and blow out loose particles.

Technical / Order Data

Cleaning System TH 6-7 with two plastic nozzles in 30 and 55 mm	Air pressure	min. 0.6 MPa
	Air connection	1/2" BSP
	Dimensions	L 120 x W 50 x H 100 mm
	Weight	0.3 kg
	Part Number	TH6-7
Nozzle 30 mm	Part Number	TH6-7-30
Nozzle 55 mm	Part Number	TH6-7-55

Ultra Clean Kit TH 6-10-EL-7

Removes contaminants from inside hose assemblies

- Cleaning size -4 up to size -20 hose
- Reduces downtime and risk of hose failure
- Has a quarter-turn locking ring for easy nozzle change and projectile loading
- Durable brass and aluminium internals, strong plastic handle, and anodized aluminium firing head and locking ring



Economy Kit
 TH6-10-EL-7

Primary Applications

Workshops and mobile service vehicles

Restrictions

5 micron filter and regulator with gauge are strongly suggested

Technical / Order Data

Ultra Clean Kit TH 6-10-EL-7 with case, launcher in size -20, nozzles in size -4, -6, -8, -10, -12, -16 and -20 (1 each)

Air pressure	min. 0.55 MPa max. 0.75 MPa
Air connection	1/2" I.D. air hose
Dimensions	L 407 x W 134 x H 343 mm
Weight	4 kg
Part Number	TH6-10-EL-7

Nozzles and Projectiles for Ultra Clean Kit TH6-10-EL-7

Hose Size	Nozzle Part Number	Projectile Part Number
-4	TH6-10-H06	TH6-10-P10
-6	TH6-10-H10	TH6-10-P14
-8	TH6-10-H13	TH6-10-P18
-10	TH6-10-H18	TH6-10-P22
-12	TH6-10-H19	TH6-10-P26
-16	TH6-10-H25	TH6-10-P33
-20	TH6-10-H32	TH6-10-P40

Ultra Clean Kit TH 6-10-HL-9-2

Removes contaminants from inside hose assemblies

- Cleaning size -4 up to size -32 hose
- Reduces downtime and risk of hose failure
- Full-flow quick release coupling and unique 360° rotary plug for proper air flow and non-fatigue operator use
- Aluminium, fully anodized for harsh environments and heavy use
- Unique safety release bar that locks the faceplate into a closed position for firing Ultra Clean projectiles



Standard Kit
 TH6-10-HL-9-2

Primary Applications

Workshops and mobile service vehicles

Restrictions

5 micron filter and regulator with gauge are strongly suggested

Technical / Order Data

Ultra Clean Kit TH 6-10-HL-9-2 with case, launcher in size -32, nozzles in size -4, -6, -8, -10, -12, -16, -20, -24 and -32 (1 each)	Air pressure	min. 0.55 MPa max. 0.75 MPa
	Air connection	1/2" I.D. air hose
	Dimensions	L 407 x W 134 x H 343 mm
	Weight	5 kg
	Part Number	TH6-10-HL-9-2

Nozzles and Projectiles for Ultra Clean Kit TH6-10-HL-9-2

Hose Size	Nozzle Part Number	Projectile Part Number
-4	TH6-10-H06	TH6-10-P10
-6	TH6-10-H10	TH6-10-P14
-8	TH6-10-H13	TH6-10-P18
-10	TH6-10-H18	TH6-10-P22
-12	TH6-10-H19	TH6-10-P26
-16	TH6-10-H25	TH6-10-P33
-20	TH6-10-H32	TH6-10-P40
-24	TH6-10-H38	TH6-10-P50
-32	TH6-10-H50	TH6-10-P60

Hose Assembly Test Bench TH 5-3

Pressure test bench up to 145.0 MPa

- Totally sealed test chamber
- Safety interlock – pressure automatically decreases within 1/10 sec. when the test chamber is opened
- Rapid fill and automatic air bleeding of the test piece
- Weight-compensated protection cover with safety windows
- Bio-degradable water-oil emulsion as test medium
- Simple operation



Primary Applications

Service and series production in workshops. The hose assembly test bench makes the efficient and safe final inspection of hose assemblies practical and fast. Static pressure testing of other hydraulic components is also possible.

Restrictions

This test bench is not designed for burst pressure testing. Due to the limited flexibility of large bore multispiral hoses it is not ideal for size -24 and size -32 pressure testing.

Technical / Order Data

Hose Assembly Test Bench TH 5-3 incl. HD adapter set

Test pressure	12.0 - 145.0 MPa	
Drive	intensifier	
Compressed air rating	0.7 MPa, 20 NI/min	
Pressure regulator	manual	
Test medium	water-oil emulsion	
Safety control unit	yes	
Tank capacity	100 l	
Colour	black/ silver	
Dimensions	L 2210 x W 840 x H 1260 mm	
Weight	empty	210 kg
	with medium	310 kg
Accessories	filter 100 µm, air service unit	
Part Number	TH5-3	

Hose Assembly Test Bench TH 5-3 with result recording unit

Part Number TH5-3-BM

HD adapter set

Part Number 405.906

Corrosion protection, 10 l

Part Number H899770

Hose Reel TH 7-12

- Seven-stage reel for hoses size -4 to -20
- Every stage (except bottom stage) can be swung out horizontally so that new rolls can easily be inserted

Technical / Order Data



Hose Reel TH 7-12
for service and series production in workshops

Reel dimensions	
Int. Ø min. / max.	250 mm / 1010 mm
Height max.	300 mm
Max. load per reel	80 kg
Colour	zinc plated
Dimensions	L 1270 x W 1000 x H 2230 mm
Weight	148 kg
Part Number	TH7-12

Hose Reel TH 7-13

- One-stage reel for hoses size -4 to -32
- Table adjustable to fit the center of the coil

Technical / Order Data



Hose Reel TH 7-13
for service and series production in workshops

Reel dimensions	
Int. Ø min. / max.	adjustable 150 - 500 mm
Max. load of reel	500 kg
Colour	zinc plated / grey
Dimensions	L 1200 x W 1200 x H 830 mm
Weight	40 kg
Part Number	TH7-13

Hose Reel TH 7-14

Horizontal motorized reel

- Motorized reel for hoses size -4 to -32
- Variable speed control in both directions
- Ideal for cutting long lengths where coiling is necessary

Technical / Order Data



Hose Reel TH 7-14

for service and series production in workshops

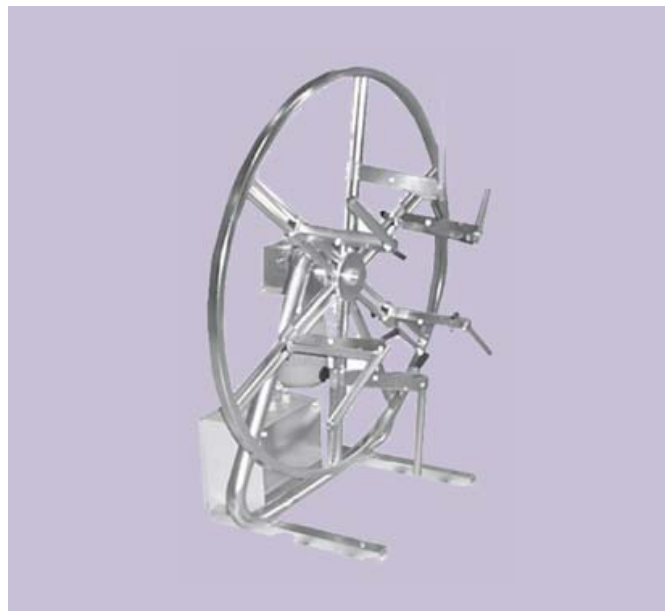
Reel dimensions	
Int. Ø min. / max.	adjustable 150 - 500 mm
Max. load of reel	500 kg
Electric power	230 V / 10 A / 50 Hz
Colour	zinc plated / light grey
Dimensions	W 1200 x H 830 mm
Weight	65 kg
Part Number	TH7-14

Hose Reel TH 7-15

Vertical motorized reel

- Motorized reel for hoses size -4 to -20
- Variable speed control in both directions
- Ideal for cutting long lengths where coiling is necessary
- Very easy to unload

Technical / Order Data



Hose Reel TH 7-15

for service and series production in workshops

Reel dimensions	
Int. Ø min. / max.	adjustable 250 - 800 mm
Max. load of reel	100 kg
Electric power	230 V / 10 A / 50 Hz
Colour	zinc plated
Dimensions	W 600 x H 1400 mm
Weight	75 kg
Part Number	TH7-15

Crimping Press

TH 8E-530, TH 8E-535-BM

- Strong crimping machine for all Parker *No-Sliver* hose up to size-32
- Easy installation on the workbench in the workshop area or in the van
- For die sets series 239L and 266 (adapter die set PB266.239L required)

Primary Applications

Hose assembly workshops with small series production and services at certified distributors, ParkerStores and hose workshops in the maintenance areas at OEM customers



Restrictions

Not for ParLock hose assemblies in size -20, -24 and -32 (fittings series V4 and V6).

All TH 8E-530 and TH 8E-535 with
– adapter die set PB266.239L
– die set packet (14 mm – 74 mm) PBSET-TH8E-53X
– quick change tool QDC239.3

TH 8E-530

Crimp force	200 t
Crimp range	94 mm
Noise level	69 dBA
Colour	black/silver
Electrical power	400 V / 50 Hz / 3 PH / 4 kW
Control system	micrometer
Dimensions	L 700 x W 600 x H 735 mm
Oil quantity	50 l
Weight	248 kg
Part Number	TH8E-530

TH 8E-530-BM

Electrical power	400 V / 50 Hz / 3 PH / 4 kW
Control system	B-Touch
Dimensions	L 700 x W 600 x H 735 mm
Oil quantity	50 l
Weight	255 kg
Part Number	TH8E-530-BM

TH 8E-530-12VDC

Electrical power	12 V DC
Control system	micrometer
Part Number	TH8E-530-12VDC

TH 8E-535-BM

Electrical power	400 V / 50 Hz / 3 PH / 5.5 kW
Control system	B-Touch
Dimensions	L 690 x W 600 x H 1053 mm
Oil quantity	55 l
Weight	375 kg
Part Number	TH8E-535-BM

Adapter die set

Part Number	PB266.239L
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Die rack

Part Number	QDS239S
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Die set packet, diameter from 14 – 74 mm

Part Number	PBSET-TH8E-53X
--------------------	-----------------------

Quick change tool

Part Number	QDC239.3
--------------------	-----------------

Crimping Press TH 8-800-BM

- Suitable for all the Parker *No-Skive* fittings up to size -32 and industrial hose types up to 4"
- Hydraulic hose SAE 100 R13 and SAE 100 R15 up to size -32 with Parker-No Skive fittings
- ParLock hose fittings V4 and V6 series up to size -20 (DN 32 for SAE 100R15)
- Adjustable crimper electronic system B and 3 different crimp programs, manual opening and closing, semi-automatic opening and closing with foot switch or depth stop
- It is possible to crimp small diameters with an adapter die set



Primary Applications

Hose assembly workshops with small series production and services at certified distributors, ParkerStores and hose workshops in the maintenance areas at OEM customers

Restrictions

Not for ParLock hose assemblies in size -24 and size-32 (fittings series V4 and V6).
There could be interference with long drop elbow fittings.

Technical / Order Data

Crimping Press TH 8-800-BM with

- adapter die set PB237.239.2L2
- quick change tool QDC239.3
- die set packet (12 mm – 74 mm) PBSET-TH8-800

Attention: Delivery without oil or connecting plug

Electrical power	400 V / 50 Hz / 3 PH / 4 kW
Crimp force	220 t
Control system	B-Touch
Crimp range	139 mm
Noise level	69 dB (A)
Colour	black/silver
Dimensions	L 690 x W 600 x H 1400 mm
Oil tank capacity	55 l
Weight	without oil 390 kg with oil 445 kg

Part Number	TH8-800-BM
Adapter die set	Part Number PB237.239.2L2
Depth stop	Part Number TA800/A
Die rack	Part Number QDS239S
Die set packet, diameter from 12 – 74 mm	Part Number PBSET-TH8-800
Foot switch	Part Number FU-HMX
Mirror set	Part Number SHS-800
Quick change tool	Part Number QDC239.3

Heavy-Duty Crimping Press TH 8E-380-BM

- Heavy-duty crimper for crimping all Parker/ParLock hose types up to 4 or 6 spiral steel wire layers (DIN 4SP/4SH, SAE 100 R13 and SAE 100R15) up to size -32
- Crimps all Parker industrial hose types up to 4" (DN 100)



Primary Applications

Heavy-duty crimper for crimping multispiral hoses in workshops for series production.
Suitable for all standard Parker hoses.

Restrictions

Special hose assemblies with 2 elbows in extremely long version.

Technical / Order Data

Heavy-Duty Crimping Press TH 8E-380-BM with
– adapter die set PB237.239.2L2
– quick change tool QDC239.3
– die set packet (14 - 78 mm) PBSET-TH8E-380

For V4 and V6 fittings above size -16
long die sets are required (e.g. PB 237L-57)

Attention: Delivery without oil and without connecting plug

Electrical power	3 PH / 400 V / 50 Hz / 5.5 kW
Crimp force	340 t
Control system	B-Touch
Crimp range	161 mm
Open / Close speed	23 mm/s
Noise level	69 dB (A)
Dimensions	L 1600 x W 600 x H 1600 mm
Weight	without oil 750 kg with oil 840 kg

Part Number	TH8E-380-BM
Depth stop	Part Number TA380/A
Adapter die set	Part Number PB237.239.2L2
Die rack	Part Number QDS239S
Die set packet, diameter from 14 – 78 mm	Part Number PBSET-TH8E-380
Die set packet, diameter from 84 – 131 mm	Part Number PBSET-237L-IH
Foot switch	Part Number FU-HMX
Mirror set	Part Number SHS310/370
Quick change tool	Part Number QDC239.3
Workplace lamp	Part Number TH8-LUS

Hose Skiving Machine TH 2-9

- For efficient skiving of hydraulic hoses (external and internal) from dimensions size -4 up to -32
- The machine is easily controlled by a footpedal
- Waste collection bin



Primary Applications

For small series and service application.

Restrictions

Not recommended for series production.

Technical / Order Data

Hose Skiving Machine TH 2-9 without skiving tools	Hose capacity, external skiving	4 and 6 layer	size -4 up to -32
	Hose capacity, internal skiving	4 and 6 layer	size -6 up to -32
	Speed		125 rpm
	Colour		light grey
	Dimensions		L 600 x W410 x H 390 mm
	Weight		35 kg
Hose Skiving Machine TH 2-9-3PH 3 phases, 400 V	Electrical power	3 PH / 400 V / 50 Hz / 16 A / 0.37 kW	
	Part Number		TH2-9-3PH
Hose Skiving Machine TH 2-9-1PH 1 phase, 230 V	Electrical power	1 PH / 230 V / 50 Hz / 10 A / 0.37 kW	
	Part Number		TH2-9-1PH

Skiving tools see page **Ea-29**



Internal
skiving tool



External
skiving tool
with one external tool

Hose Skiving Machine TH 2-10-3PH

- Efficient external and internal skiving
- Semi-automatic electro-pneumatic control-system
- Adjustable pressure and speed
- Automatic self-centering system
- Waste collection bin



Primary Applications

Mainly for hose assembly workshop production for medium and large series up to size -32.

Restrictions

Work cycle for internal and external skiving takes place separately, not in one step.

Technical / Order Data

Hose Skiving Machine TH 2-10-3PH without skiving tools

Hose capacity, external skiving	
4 and 6 layer	size -4 up to -32
Hose capacity, internal skiving	
4 and 6 layer	size -6 up to -32
Speed	315 rpm
Air pressure	min. 0.7 MPa
Colour	light grey
Electrical power	3 PH / 400 V / 50 Hz / 16 A / 1.2 kW
Dimensions	L 680 x W1200 x H 1080 mm
Weight	132 kg
Part Number	TH2-10-3PH

Skiving tools see page **Ea-29**



Internal
skiving tool



External
skiving tool
with two external tools

Twin-Skive Machine TH 2-13-3PH

- Twin-Skive machine for quick internal and external skiving in one operation
- Semi-automatic electro-pneumatic control-system
- Automatic self-centring system
- Adjustable pressure and speed
- Waste collection bin
- Eliminates work-related injuries



Primary Applications

For hose assembly workshops for series production up to size -32

Restrictions

Max. hose outside diameter 75 mm for external skiving.

Technical / Order Data

Hose Skiving Machine TH 2-13-3PH without skiving tools

Hose capacity, external skiving	
4 and 6 layer	size -4 up to -32
Hose capacity, internal skiving	
4 and 6 layer	size -6 up to -32
Speed	400 / 315 rpm
Air pressure	min. 0.7 MPa
Colour	light grey
Electrical power	3PH/400V/50Hz/16A/2x0.75kW
Dimensions	L 680 x W1200 x H 1080 mm
Weight	150 kg
Part Number	TH2-13-3PH

Skiving tools see page **Ea-29**



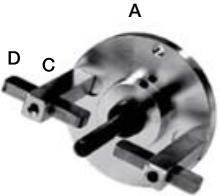
Skiving tool

Skiving tools for TH 2-9, TH 2-10-3PH and TH 2-13-3PH

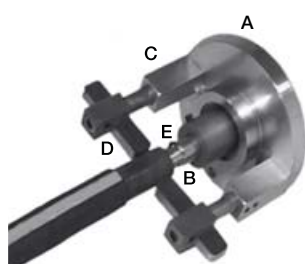
Internal skiving tool for TH 2-9 and TH 2-10-3PH

Internal skiving tool TH 2-9 and TH 2-10-3PH	size	Internal skiving tool (without knife)	Internal skiving knife
		Part Number	Part Number
 <p>A: Internal skiving knife</p>	-6	TH2-12NT-6	TH2-12NK-6
	-8	TH2-12NT-8	TH2-12NK-8
	-10	TH2-12NT-10	TH2-12NK-1012
	-12	TH2-12NT-12	
	-16	TH2-12NT-16	TH2-12NK-1620
	-20	TH2-12NT-20	
	-24	TH2-12NT-24	TH2-12NK-2432
-32	TH2-12NT-32		

External skiving tool for TH 2-9 and TH 2-10-3PH

External skiving tool TH 2-9 and TH 2-10-3PH	size	Mandrel Size Part Number	External skiving tool (without knife)	Additional arm	External skiving knife
			Part Number	Part Number	Part Number
 <p>A: External skiving tool holder B: Mandrel for external skiving C: Holder for skiving tool D: External skiving knife</p>	-4	TH2-11M-4	short arm TH2-11ES	short arm TH2-11ES-1 TH2-10-3PH only	TH2-11EK
	-6	TH2-11M-6			
	-8	TH2-11M-8			
	-10	TH2-11M-10			
	-12	TH2-11M-12	long arm TH2-11EL	long arm TH2-11EL-1 TH2-10-3PH only	
	-16	TH2-11M-16			
	-20	TH2-11M-20			
-24	TH2-11M-24				
-32	TH2-11M-32				

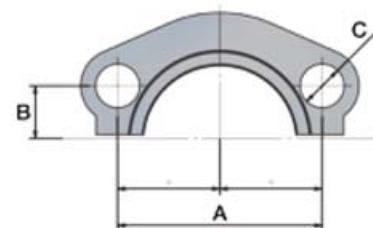
Internal and external skiving tool for TH 2-13-3PH





Skiving tool
A: Tooling holder complete
B: Mandrel for external skiving
C: Holder for external skiving knife
D: External skiving knife
E: Internal skiving knife

Internal and external skiving tool TH 2-13-3PH	size	Mandrel Size Part Number	Internal skiving knife	External skiving tool (without knife)	Additional arm	External skiving knife
			Part Number	Part Number	Part Number	Part Number
	-8	TH2-13M-8	TH2-12NK-8	short arm TH2-13ES	short arm TH2-13ES-1	TH2-11EK
	-10	TH2-13M-10	TH2-12NK-1012			
	-12	TH2-13M-12				
	-16	TH2-13M-16				
	-20	TH2-13M-20	TH2-12NK-1620	long arm TH2-13EL	long arm TH2-13EL-1	
	-24	TH2-13M-24				
	-32	TH2-13M-32				



Flange Half





M1H / 51H – SAE code 61 Flange Half – Standard Series ISO 6162

Part Number	 Flange			A mm	B mm	C mm	 max. dynamic working pressure	
	DN	Inch	Size				MPa	psi
M1H-8	13	1/2	-8	38.1	8.7	9.0	34.5	5000
M1H-12	19	3/4	-12	47.6	11.1	11.0	34.5	5000
M1H-16	25	1	-16	52.4	13.1	11.0	34.5	5000
51H-20	32	1-1/4	-20	58.7	15.1	12.0	27.5	4000
51H-24	38	1-1/2	-24	69.9	17.9	13.5	21.0	3000
51H-32	51	2	-32	77.7	21.4	13.5	21.0	3000



50H – 5000 psi code 61 Flange Half ISO 6162 (For use with 4A, 4F and 4N flanges)

Part Number	 Flange			A mm	B mm	C mm	 max. dynamic working pressure	
	DN	Inch	Size				MPa	psi
50H-20	32	1-1/4	-20	2.31	0.59	0.47	34.5	5000
50H-24	40	1-1/2	-24	2.75	0.70	0.53	34.5	5000
50H-32	50	2	-32	3.06	0.84	0.53	34.5	5000

M2H – SAE code 62 Flange Half – Heavy Series ISO 6162

Part Number	 Flange			A mm	B mm	C mm	 max. dynamic working pressure	
	DN	Inch	Size				MPa	psi
M2H-8	13	1/2	-8	40.5	9.1	9.0	41.0	6000
M2H-12	19	3/4	-12	50.8	11.9	11.0	41.0	6000
M2H-16	25	1	-16	57.2	13.9	13.0	41.0	6000
M2H-20	32	1-1/4	-20	66.6	15.9	15.0	41.0	6000
M2H-24	38	1-1/2	-24	79.2	18.2	17.0	41.0	6000
M2H-32	51	2	-32	96.8	22.2	22.0	41.0	6000

8FH – Flange Half 8000 psi

Part Number	 Flange			A mm	B mm	C mm	 max. dynamic working pressure	
	DN	Inch	Size				MPa	psi
8FH-12	20	3/4	-12	5.08	1.09	1.04	56.0	8000
8FH-16	25	1	-16	5.72	1.30	1.19	56.0	8000

On request

Full flanges code 61 and 62, flange kits, flanges for inch bolts



Flange kit

Full Flange System

Provides full flange mounting option for 3000 psi (Code 61) and 6000 psi (Code 62) ports. System flexibility reduces inventory investment.



Once the hose fitting is crimped to the hose, the flange is placed over the fitting end and then is held in place with the retaining ring. When the flange engages the retaining ring, the flange is held securely and is ready to be bolted to the port. Installation to the port is easy – there is no fumbling with the flange halves, and the flange can be rotated for ease of assembly to the port. The full flange system can be used repeatedly because of its patent-pending attachment system – the flange is not permanently locked onto the fitting.

Flange System

Code 61 port – all sizes rated for 5000 psi

SAE Flange Size (Inch)	Max. Working Pressure	Flange Part Number	Seal Part Number	Retaining Ring Part Number
3/4	5000	R312-35-CFX	XRG-12	R12X
1	5000	R316-CFX	XRG-16	R16X
1 1/4	5000	R320-12.5-CFX	XRG-20	R20X
1 1/2	5000	R324-CFX	XRG-24	R24X
2	5000	R332-CFX	XRG-32	R32X

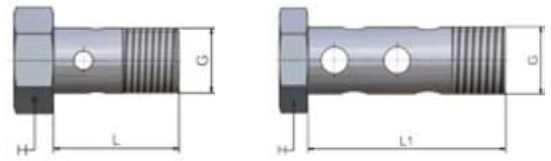
Code 62 port – 6000 psi

SAE Flange Size (Inch)	Max. Working Pressure	Flange Part Number	Seal Part Number	Retaining Ring Part Number
3/4	6000	R612-35-CFX	XRG-12	R12X
1	6000	R616-CFX	XRG-16	R16X
1 1/4	6000	R620-CFX	XRG-20	R20X
1 1/2	6000	R624-CFX	XRG-24	R24X
2	6000	R632-CFX	XRG-32	R32X

The stainless steel retaining rings and O-rings are recommended for one-time use.

Details see page **Ab-39**

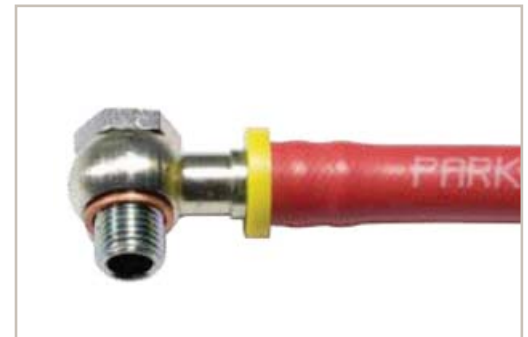
Banjo Bolt



AM/AR – Banjo Bolt (DIN 7643)

Part Number Single	Part Number Double	I.D. Banjo mm	G Thread metric / Inch	L Single mm	L1 Double mm	H mm
AM3	A2M3	8	M8x1	17	26	12
AM4	A2M4	10	M10x1	19	30	14
AR4		10	1/8	19		14
AM6	A2M6	12	M12x1.5	24	38	17
AM8	A2M8	14	M14x1.5	26	41	19
AR8		14	1/4	26		19
AR-08C		14	1/4	26		19
AM10	A2M10	16	M16x1.5	28	46	22
AR10		17	3/8	29		22
AM13		18	M18x1.5	32		24
AM16		22	M22x1.5	39		27
AR16		22	1/2	39		27
AM20		26	M26x1.5	45		32
AR20		27	3/4	45		32

Material: chromium(VI)-free plated steel

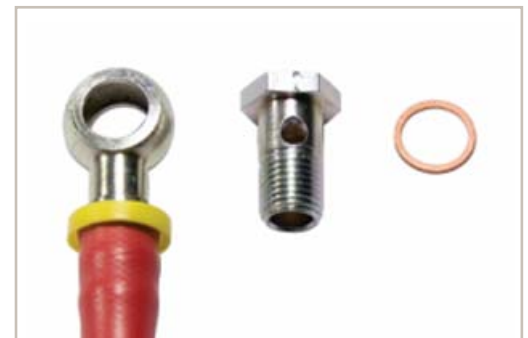


Complete banjo fitting

853009 – Copper Ring (Form A DIN 7603)

Part Number	I.D. Banjo mm	G Thread metric / Inch
853009-8	8	M8x1
853009-10	10	M10x1
853009-10	10	1/8
853009-12	12	M12x1,5
853009-14	14	M14x1,5
853009-14	14	1/4
853009-16	16	M16x1,5
853009-17	17	3/8
853009-18	18	M18x1,5
853009-22	22	M22x1,5
853009-21	21	1/2
853009-26	26	M26x1,5

Banjo fitting, bolt, double bolt, copper ring



O-Rings

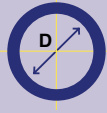

Fittings are supplied with O-rings made from ozone-resistant Nitrile (NBR) rubber compound suitable for temperatures

from -30 °C up to +105 °C

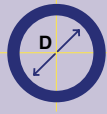

On request: Viton® (FPM) compound
Ethylene-Propylene (EPDM) compound

from -25 °C up to +200 °C
from -55 °C up to +150 °C

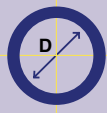

711509 – O-rings for SAE fittings (05 end configuration)

Part Number	 mm	 mm	Thread	
			UNF	Size
711509-1	8.92	1.83	7/16x20	-4
711509-2	10.52	1.83	1/2x20	-5
711509-3	11.89	1.98	9/16x18	-6
711509-4	16.36	2.21	3/4x16	-8
711509-5	19.18	2.45	7/8x14	-10
711509-6	23.47	2.95	1-1/16x12	-12
711509-7	29.74	2.95	1-5/16x12	-16
711509-8	37.47	3.00	1-5/8x12	-20

2-0 – O-rings for ORFS male (JD and JM end configuration)

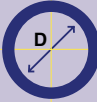


Part Number	 mm	 mm	Thread	
			UNF	Size
2-011N552-90	7.65	1.78	9/16x18	-4
2-012N552-90	9.25	1.78	11/16x16	-6
2-014N552-90	12.42	1.78	13/16x16	-8
2-016N552-90	15.60	1.78	1x14	-10
2-018N552-90	18.77	1.78	1-3/16x12	-12
2-021N552-90	23.52	1.78	1-7/16x12	-16
2-025N552-90	29.87	1.78	1-11/16x12	-20
2-029N552-90	37.82	1.78	2x12	-24

EARG/VURG/VERG – O-rings for BSP fittings

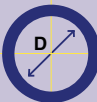


Part Number	 mm	 mm	Thread	
			BSP	Size
EARG-4	6.0	1.0	1/4x19	-4
C9RG-10	8.5	1.5	3/8x19	-6
VURG-4	12.0	1.5	1/2x14	-8
EARG-10	13.1	1.6	5/8x14	-10
VERG-14	17.0	1.5	3/4x14	-12
VERG-19	21.0	1.5	1x11	-16
EARG-20	29.5	1.5	1-1/4x11	-20

O-Rings

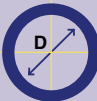


2-2 – O-rings for SAE flanges

Part Number				
	mm	mm	Inch	Size
2-210N552-90	18.64	3.53	1/2	-8
2-214N552-90	24.99	3.53	3/4	-12
2-219N552-90	32.92	3.53	1	-16
2-222N552-90	37.69	3.53	1-1/4	-20
2-225N552-90	47.22	3.53	1-1/2	-24
2-228N552-90	56.74	3.53	2	-32
2-232N552-90	69.44	3.53	2 - 1/2	-40

CARG – O-rings for metric 24° female swivel hose-end fittings

Part Number					Tube O.D. mm
	mm	mm	light series metric	heavy series metric	
CARG-6	4.5	1.5	M12x1.5	M14x1.5	6
C9RG-8	6.5	1.5	M14x1.5	M16x1.5	8
C9RG-10	8.5	1.5	M16x1.5	M18x1.5	10
C9RG-12	10.5	1.5	M18x1.5	M20x1.5	12
C9RG-14	12.0	2.0		M22x1.5	14
CARG-15	12.5	2.0	M22x1.5		15
C9RG-16	14.0	2.0		M24x1.5	16
CARG-18	16.0	2.0	M26x1.5		18
C9RG-20	17.0	2.5		M30x2	20
CARG-22	20.0	2.0	M30x2		22
C9RG-25	22.0	2.5		M36x2	25
CARG-28	26.0	2.0	M36x2		28
C9RG-30	27.0	2.5		M42x2	30
CARG-35	32.0	2.5	M45x2		35
C9RG-38	35.0	2.5		M52x2	38
CARG-42	39.0	2.5	M52x2		42

XARG – Flange “D” rings Caterpillar® style flanges

Part Number				
	mm	mm	Inch	Size
XARG-12	25.4	5.0	3/4	-12
XARG-16	31.9	5.0	1	-16
XARG-20	38.2	5.0	1-1/4	-20
XARG-24	44.7	5.0	1-1/2	-24
XARG-32	63.9	5.0	2	-32

Worm Drive Hose Clamps

With cross slotted hex head screw (DIN 3017) for all applications

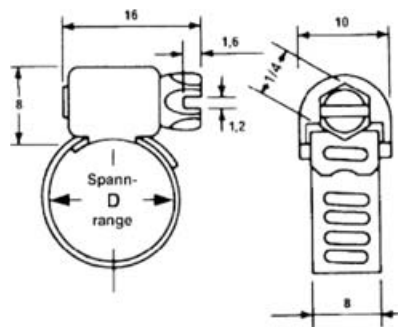
- Bands and housings of AISI 300 series stainless steel
- Unique interlock construction locks directly into band which tightens under tension
- Shouldered hex head, slotted screw
No spot welds to rupture under stress or corrode
- Rounded band edges
- High efficiency giving high pressure sealing
- Wide clamping range, giving more flexibility to the user



Miniature Worm Drive Hose Clamps

These small, tough, precision-engineered hose clamps provide:

- Low profile
- Narrow housing
- No protrusions
- Highest sealing
- High working pressure at low torque
- Easy to install in confined areas



Band width 5/16" - 8 mm

Miniature Stainless "M" Series

For all clamping applications meeting normal environmental conditions. Hex head screw made of zinc plated carbon steel.

Miniature Stainless "MS-N" Series

Preferred for those environmental conditions which require the extra protection provided by this 100% stainless steel hose clamp. Hex head screw of AISI 305 series made of stainless steel.

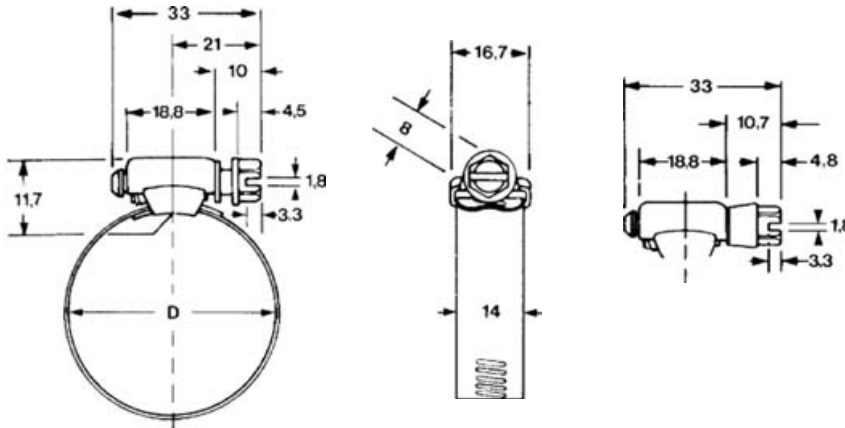
"M" series Part Number	D Stretch area		"MS" series Part Number
	mm	Inch	
M 0200	6 - 16	0.25 - 0.62	MS 0200 N
M 0300	8 - 22	0.30 - 0.87	MS 0300 N
M 0400	16 - 32	0.66 - 1.25	MS 0400 N
M 0500	16 - 38	0.66 - 1.50	MS 0500 N
M 0600	19 - 45	0.66 - 1.75	MS 0600 N
M 0700	25 - 50	1.00 - 2.00	MS 0700 N
M 0800	35 - 60	1.38 - 2.38	MS 0800 N
M 0900	45 - 70	1.75 - 2.75	MS 0900 N
M 1000	58 - 82	2.25 - 3.25	MS 1000 N
M 1100	64 - 90	2.50 - 3.50	MS 1100 N
M 1200	77 - 100	3.00 - 4.00	MS 1200 N

For your safety

Hose clamps are intended to ensure the sealing of flexible hoses carrying fluids under pressure; we therefore recommend that you choose the appropriate hose clamp, adhere to the assembly torques indicated and correctly position the hose clamp onto the fitting. Any deformation of the hose requires tightening of the clamp. We disclaim all responsibility for any product failure that might ensue should these recommendations be ignored.

Worm Drive Hose Clamps

With cross slotted hex head screw (DIN 3017) for all applications



Band width 9/16" - 14 mm

Standard "S" Series

Band and housing of stainless steel for all clamping applications, meeting normal environmental conditions. Hex head screw made of zinc plated carbon steel.

Stainless "SS-N" Series

Preferred for those environmental conditions which require the extra protection provided by this 100% stainless steel hose clamp. Hex head screw of AISI 305 series made of stainless steel.

"S" series Part Number	D Stretch area		"SS" series Part Number
	mm	Inch	
S 0600	10 - 22	0.38 - 0.87	SS 0600 N
S 0800	11 - 25	0.44 - 1.00	SS 0800 N
S 1000	13 - 28	0.50 - 1.12	SS 1000 N
S 1040	102 - 178	5.00 - 7.00	SS 1040 N
S 1200	13 - 32	0.50 - 1.25	SS 1200 N
S 1600	19 - 40	0.75 - 1.50	SS 1600 N
S 2000	19 - 44	0.75 - 1.75	SS 2000 N
S 2400	26 - 50	1.00 - 2.00	SS 2400 N
S 2800	34 - 57	1.32 - 2.25	SS 2800 N
S 3200	40 - 64	1.57 - 2.50	SS 3200 N
S 3600	23 - 70	0.88 - 2.75	SS 3600 N
S 4000	29 - 76	1.13 - 3.00	SS 4000 N
S 4400	34 - 82	1.32 - 3.25	SS 4400 N
S 4800	42 - 90	1.63 - 3.50	SS 4800 N
S 5200	48 - 95	1.88 - 3.75	SS 5200 N
S 5600	54 - 100	2.13 - 4.00	SS 5600 N
S 6400	67 - 114	2.63 - 4.50	SS 6400 N
S 7200	80 - 130	3.13 - 5.00	SS 7200 N
S 8000	92 - 140	3.63 - 5.50	SS 8000 N
S 8800	108 - 150	4.25 - 6.00	SS 8800 N
S 9600	121 - 165	4.75 - 6.50	SS 9600 N

Numerous applications in all fields

Automobile industry, ship building, automation systems, agricultural machinery, packaging machines, machine tools, mechanical handling equipment, welding equipment, construction equipment, petrochemical industry, mining, metallurgy.

Protected hose assemblies live longer

In places where the hose assembly is exposed to severe mechanical strain, additional hose protectors such as guards, sleeves etc. have proven to be a good solution. The spring guards or armor guards, for example, prevent kinking of the hose and are the ideal protection against extreme abrasion or possible damage from the outside. Before the fitting is crimped to the hose, the guard needs to be pushed onto the hose – so please remember to order the guards together with your order of hose assembly components.

For some applications it is an advantage to bundle hose assemblies with plastic hose protector coils or sleeves so that they make compact units. For this purpose we recommend using PolyGuard protectors, ParKoil hose protectors and Partek Wraps. Partek Wraps hose sleeves are designed for bundling hose assemblies after installation.

Parker offers a broad range of accessories to work smarter, faster and better



Spring Guard & Armour Guard (SG & AG)

Parker spring guard and armour guard are two products that prolong the life of your hose lines that are exposed to rugged operating conditions. They distribute bending radii to avoid kinking in hose lines and protect hose from abrasion and deep cuts. Guards are constructed of steel wire and plated to resist rust. See page **Eb-9** and **Eb-10**



PolyGuard & Parkoil (HG & PG)

Protect and bundle your hoses with these spiral guards that minimize kinking and cannot rust. Both the PolyGuard and Parkoil install without removing the hose. See page **Eb-14** and **Eb-15**



Partek (AS & PS)

Nylon woven protective sleeving gives you tough hose abrasion resistance with two versions of coverage – standard “AS” and a lighter “PS” – both providing protection and bundling capability. See page **Eb-11** and **Eb-12**



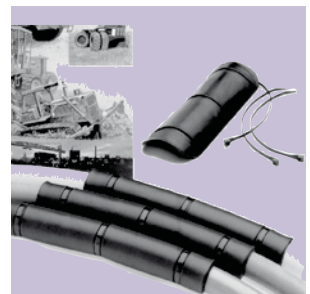
Firesleeve (FS-F)

A flame-resistant sheath that protects your hose from extremely high temperature conditions. See page **Eb-13**



Partek Wrap (PS-BV)

The need for a protective hose sleeve is not always considered while designing for a hose's application. Many hose assembly installations would benefit from a sleeve, but it is not obvious until all the other hoses and components are in place. Partek Wrap enables the hose sleeve to be installed after the hose assemblies have been positioned and secured in place. The Partek Wrap can be used as extra abrasion protection or to wrap multiple hoses or cables together. See page **Eb-16**



Hose Shields (HP-B)

Hose protection shields extend hose life by protecting the hose from abrasion that occurs when hose rubs against other hose, metal or concrete. Parker hose shields are resistant to oil, lubricants, gasoline, most solvents and can withstand ambient temperatures from -40 °C to +150 °C. Easily installed and secured by cable ties without disconnecting any hose lines. See page **Eb-17**

SG – Spring Guard

- Spring Guards protect the hose cover against abrasion and are constructed of steel wire and plated to resist rust.



Hose I.D. Part Number	SG-060	SG-066	SG-072	SG-084	SG-097	SG-106	SG-113	SG-122	SG-131	SG-155	SG-161	SG-166	SG-182	SG-209	SG-220	SG-232	SG-270	SG-292	SG-369
201, 206, 221FR, 225, 235	-4	-5	-6	-8	-10		-12		-16	-20			-24			-32		-40	-48
213, 285, 293	-4/-5	-6		-8	-10	-12			-16	-20			-24		-32			-40	-48
301SN, 301TC, 302, 304		-4	-5	-6	-8	-10		-12		-16				-20		-24		-32	
351TC, 402, 421RH, 421SN, 422, 424, 426, 436, 441, 441RH, 451TC, 451, 461LT, 462, 463, 471TC, 472TC, 492, 493, 611, 611HT, 681, 681DB, 692	-4	-5	-6	-8	-10		-12			-16			-20	-24				-32	
372, 372RH, 371LT, 701					-6	-8		-10	-12	-16				-20		-24			
601	-4		-5	-6	-8				-12	-16			-20						
774, 721TC, 772LT				-6	-8		-10		-12	-16				-20	-24		-32		
731, 781, 782TC, P35, 791TC, 792TC									-12			-16		-20		-24		-32	
801, 804, 821FR, 831, 836, 837BM	-4/-5		-6	-8	-10		-12		-16										
811, 881, H29, H29ST, H29TC, H29RH									-12	-16			-20		-24		-32		-48
H31, H31ST, H31TC			-4		-6	-8		-10	-12		-16								
R35, R35TC									-12		-16		-20			-24		-32	
R42, R42ST, R42TC								-10	-12		-16			-20		-24		-32	
787TC, 797TC			-6	-8		-10		-12		-16									
412	-4/-6																		
477	-4	-5	-6	-8		-10			-12	-16									

AG – Armour Guard

- For extreme abrasion or possible damage from the outside, the corrosion-protected steel flat coil sleeve is recommended.



Hose \ I.D. Part Number mm	AG-060	AG-066	AG-072	AG-084	AG-097	AG-106	AG-113	AG-122	AG-131	AG-155	AG-161	AG-166	AG-182	AG-209	AG-220	AG-232	AG-270	AG-292	AG-319
201, 206, 221FR, 225, 235	-4	-5	-6	-8	-10		-12		-16	-20			-24			-32		-40	
213, 285, 293	-4/-5	-6		-8	-10	-12			-16	-20			-24		-32			-40	
301SN, 301TC, 302, 304		-4	-5	-6	-8	-10		-12		-16				-20		-24		-32	
351TC, 402, 421RH, 421SN, 422, 424, 426, 436, 441, 441RH, 451TC, 451, 461LT, 462, 463, 471TC, 472TC, 492, 493, 611, 611HT, 681, 681DB, 692	-4	-5	-6	-8	-10		-12			-16			-20	-24			-32		
372, 372RH, 371LT, 701					-6	-8		-10	-12	-16				-20		-24			
601	-4		-5	-6	-8				-12	-16			-20						
774, 721TC, 772LT				-6	-8		-10		-12	-16				-20	-24		-32		
731, 781, 782TC, P35, 791TC, 792TC									-12			-16		-20		-24		-32	
801, 804, 821FR, 831, 836, 837BM	-4/-5		-6	-8	-10		-12		-16										
811, 881, H29, H29ST, H29TC, H29RH									-12	-16			-20		-24		-32		-40
H31, H31ST, H31TC			-4		-6	-8		-10	-12		-16								
R35, R35TC									-12		-16		-20			-24		-32	
R42, R42ST, R42TC								-10	-12		-16			-20		-24		-32	
787TC, 797TC			-6	-8		-10		-12		-16									
412	-4/-6																		
477	-4	-5	-6	-8		-10			-12	-16									

AS – Partek® Nylon Protective Sleeve

Parker's Partek Nylon Protective Sleeving gives you tough hose abrasion protection two ways. First, per the ISO 6945 specification, Partek has a unique tubular weave nylon construction, Partek "AS" is strong enough to withstand greater than 200,000 abrasion cycles without wearing through the fabric at any location. In addition, this weave also gives an exceptionally smooth interior wall, allowing rubber hose to move freely inside the sleeve. This provides easy installation and prevents any internal abrasion problems. Partek sleeving is available in either black or yellow and in sizes to fit most hydraulic hose. Partek, the quick and easy solution to hose protection in high-abrasion areas.



Temperature Range -55 °C up to +120 °C

AS-heavy series (black)		AS-B-11	AS-B-13	AS-B-13	AS-B-15	AS-B-15	AS-B-17	AS-B-19	AS-B-22	AS-B-27	AS-B-33	-	AS-B-37	AS-B-58
Part Number														
AS-heavy series (yellow)		AS-Y-11	AS-Y-13	AS-Y-13	AS-Y-15	AS-Y-15	AS-Y-17	AS-Y-19	AS-Y-22	AS-Y-27	AS-Y-33	AS-Y-35	AS-Y-37	-
Part Number														
I.D. mm		17.5	21.8	21.8	26.9	26.9	29.4	32.8	34.5	39.6	44.5	53.8	58.7	90.4
Hose														
	201, 206, 221FR, 225, 235	-4	-5	-6	-8		-10	-12	-16		-20	-24		-48
	213, 285, 293	-4	-5	-6	-8	-10	-12		-16		-20	-24		-48
	301SN, 301TC, 302, 304, 421WC		-4	-5	-6		-8	-12			-16		-20	
	351TC, 402, 421RH, 421SN, 422, 424, 426, 436, 441, 441RH, 451, 451TC, 461LT, 462, 462ST, 463, 471TC, 472TC, 492, 492ST, 493, 611, 611HT, 681, 681DB, 692	-4	-5	-6		-8	-10	-12		-16		-20	-24	
	372, 372RH, 701, 371LT					-6	-8	-10	-12		-16		-20	
	601		-4	-5	-6		-8	-12			-16		-20	
	774, 721TC, 772LT					-6	-8	-10	-12		-16		-20	
	731, 774, 781, 782TC, P35, 791TC, 792TC								-12		-16		-20	
	801, 804, 821FR, 831, 836, 837BM	-4		-6	-8		-10	-12		-16				
	811, 881, H29, H29ST, H29ST, H29RH								-12		-16	-20		-40 -48
	H31, H31ST, H31TC		-4	-4	-6	-6	-8	-10	-12		-16			
	R35, R35TC									-12	-16	-20		
	R42, R42ST, R42TC								-10	-12	-16		-20	
	787TC, 797TC		-6	-6			-8	-10	-12		-16			
	412	-4/-6												
	477	-4	-5	-6	-8	-8	-10		-12		-16			

PS – Partek® Nylon Protective Sleeve

Parker's Partek Nylon Protective Sleeving gives you tough hose abrasion protection two ways. First, per the ISO 6945 specification, Partek has a unique tubular weave nylon construction, Partek "PS" is strong enough to withstand greater than 50,000 abrasion cycles without wearing through the fabric at any location. In addition, this weave also gives an exceptionally smooth interior wall, allowing rubber hose to move freely inside the sleeve. This provides easy installation and prevents any internal abrasion problems. Partek sleeving is available in either black or yellow and in sizes to fit most hydraulic hose. Partek, the quick and easy solution to hose protection in high-abrasion areas.



Temperature Range -55 °C up to +120 °C

PS-standard series (black)	PS-B-13	PS-B-13	PS-B-15	PS-B-15	PS-B-17	PS-B-22	PS-B-22	PS-B-33	PS-B-33	PS-B-35	PS-B-37	PS-B-39	PS-B-45	PS-B-47
Part Number														
I.D. mm	21.3	21.3	25.4	25.4	29.4	34.5	34.5	44.5	44.5	53.8	58.7	65.0	71.4	77.7
Hose														
201, 206, 221FR, 225, 235	-5	-6	-8		-10	-12	-16		-20	-24		-32		-40
213, 285, 293	-5	-6	-8	-10	-12		-16		-20	-24		-32		-40
301SN, 301TC, 302, 304, 421WC	-4	-5	-6		-8	-12			-16		-20	-24	-32	
351TC, 402, 421RH, 421SN, 422, 424, 426, 436, 441, 441RH, 451, 451TC, 461LT, 462, 462ST, 463, 471TC, 472TC, 492, 492ST, 493, 611, 611HT, 681, 681DB, 692	-5	-6		-8	-10	-12		-16		-20	-24		-32	
372, 372RH, 701, 371LT				-6	-8	-10	-12		-16		-20	-24		-32
601	-4	-5	-6		-8	-12			-16		-20	-24	-32	
774, 721TC, 772LT				-6	-8	-10	-12		-16		-20	-24		-32
731, 774, 781, 782TC, P35, 791TC, 792TC							-12		-16		-20	-24		-32
801, 804, 821FR, 831, 836, 837BM		-6	-8		-10	-12		-16						
811, 881, H29, H29ST, H29ST, H29RH							-12		-16	-20		-24	-32	
H31, H31ST, H31TC	-4	-4	-6	-6	-8		-12		-16					
R35, R35TC									-16	-20		-24		-32
R42, R42ST, R42TC							-10		-16		-20	-24		-32
787TC, 797TC	-6	-6			-8	-12			-16					
412														
477	-5	-6	-8	-8	-10		-12		-16					

FS-F – Fire Sleeves

- Parker Firesleeve is a flame resistant sheath that protects the hose from extreme temperature conditions. Firesleeve easily slides over hoses and readily expands over fitting. When fitting the fire sleeve to hose assemblies with reusable or crimped fittings, a fire sleeve clamp must be used.
- Certification:
 - NF F16-101 (10/88)
 - NF F16-102 (04/92)
 - STM-S-001 (c) (10/2006)
 - Classification F1/F2



Temperature Range -73 °C up to +260 °C

Part Number	FS-F-10	FS-F-11	FS-F-12	FS-F-14	FS-F-16	FS-F-18	FS-F-20	FS-F-22	FS-F-24	FS-F-28	FS-F-32	FS-F-38	FS-F-40	FS-F-48	FS-F-60
I.D. mm	14.7	16.5	18.0	21.3	24.4	27.4	30.7	34.0	37.1	43.4	49.8	59.4	62.5	75.2	94.2
Hose															
201, 206, 221FR, 225, 235	-4	-5		-6 -8		-10	-12	-16		-20	-24	-32		-40	-48
213, 285, 293	-4	-5	-6	-8	-10	-12		-16		-20	-24	-32		-40	
301SN, 301TC, 302, 304, 421WC		-4	-5	-6		-8 -10	-12			-16		-20 -24		-32	
351TC, 402, 421RH, 421SN, 422, 424, 426, 436, 441, 441RH, 451, 451TC, 461LT, 462, 462ST, 463, 471TC, 472TC, 492, 492ST, 493, 611, 611HT, 681, 681DB, 692	-3 -4	-5		-6	-8	-10	-12	-14	-16		-20	-24		-32	
601		-4		-5 -6		-8	-10	-12		-16	-20				
372, 372RH, 371LT, 701, 774, 721TC, 772LT					-6	-8	-10	-12		-16		-20 -24		-32	
731, 781, 782TC, P35, 791TC, 792TC							-8	-12		-16		-20	-24	-32	
801, 804, 821FR, 831, 836, 837BM	-4		-6	-8		-10	-12	-16							
811, 881, H29, H29ST, H29TC, H29RH								-12		-16	-20	-24		-32	-40 -48
H31, H31ST, H31TC				-4	-6	-8	-10	-12		-16	-20	-24			
R35, R35TC								-12		-16	-20	-24		-32	
R42, R42ST, R42TC							-10	-12		-16		-20 -24		-32	
787TC, 797TC			-6		-8	-10			-16						
412	-4	-6													
477	-4	-5		-6	-8	-10		-12	-16						

HG – PolyGuard Hose Protector

Heavy duty polyethylene provides protection in rugged operating conditions
Great for bundling high-pressure hose lines

- Shields hose from abrasion and cuts
- Easy to install without removing hose lines: no clamps needed
- Minimises risk of kinking
- Resistant to air, water, oil, gasoline, hydraulic fluid and most solvents
- Ideal for bundling plastic tubing or hose lines
- Cannot rust or corrode
- Color: black



Caution: This material will support combustion

Temperature Range -17 °C up to +93 °C

Part Number	HG-075	HG-100	HG-125	HG-150	HG-200	HG-350
Hose I.D. mm	19.05	25.40	31.75	38.10	50.80	88.90
201, 206, 213, 221FR, 225, 235, 285, 293	-8/-10	-12	-16	-20/-24	-32/-40	-48
301SN, 301TC, 302, 304	-6/-8	-10/-12		-16/-20	-24/-32	
351TC, 402, 421RH, 421SN, 421WC, 422, 424, 426, 436, 441, 441RH, 451, 451TC, 461LT, 462ST, 462, 463, 471TC, 472TC, 492, 492ST, 493, 611, 611HT, 681, 681DB, 692	-8/-10	-12	-16	-20	-24/-32	
601	-6/-8	-10	-12	-16/-20		
372, 372RH, 371LT, 701, 731, 774, 721TC, 772LT, 781, 782TC, P35, 791TC, 792TC	-6	-8/-10	-12	-16	-20/-24/-32	
731			-12	-16/-20	-24/-32	
477, 801, 804, 821FR, 831, 836, 837BM	-8/-10	-12	-16			
811, 881, H29, H29ST, H29TC, H29RH		-12		-16/-20	-24/-32/-40	-48
R42, R42ST, R42TC	-4/-6/-8	-10/-12	-16	-20	-24	
H31, H31ST, H31TC	-4/-6/-8	-10/-12	-16			
R35, R35TC		-12	-16	-20	-24/-32	
787TC, 797TC		-12	-16			

PG – ParKoil Hose Protector

Lower-cost protection for applications that call for a tighter bend radius and are less demanding

- Shields hose from abrasion and cuts
- Easy to install without removing hose lines: no clamps needed
- Minimises risk of kinking
- Resistant to air, water, oil, gasoline, hydraulic fluid and most solvents
- Ideal for bundling plastic tubing or hose lines
- Cannot rust or corrode
- Color: black



Caution: This material will support combustion
 Temperature Range -17 °C up to +93 °C

Part Number	PG-038	PG-050	PG-062	PG-075	PG-088	PG-100	PG-119	PG-138	PG-188
Hose I.D. mm	9.65	12.70	15.75	19.05	22.35	25.40	30.25	35.05	47.75
Width of spires	6.35	9.65	9.65	9.65	9.65	15.75	15.75	15.75	15.75
201, 206, 221FR, 225, 235		-4 -5	-6	-8	-10	-12	-16	-20 -24	-32 -40 -48
213, 285, 293	-4	-5	-6 -8	-10	-12		-16	-20 -24	-32 -40 -48
301SN, 301TC, 302, 304		-3 -4	-5	-6	-8	-10 -12		-16	-20 -24 -32
351TC, 402, 421RH, 421SN, 421WC, 422, 424, 426, 436, 441, 441RH, 451, 451TC, 461LT, 462ST, 462, 463, 471TC, 472TC, 492, 492ST, 493, 611, 611HT, 681, 681DB, 692		-4 -5	-6	-8	-10	-12		-16 -20	-24 -32
601		-4		-6	-8	-10	-12	-16	
372, 372RH, 371LT, 701, 731, 774, 721TC, 772LT				-6	-8	-10	-12	-16 -20	-24 -32
H31, H31ST, H31TC				-6	-8	-10	-12	-16	
781, 782TC, P35, 791TC, 792TC, R42, R42ST, R42TC				-4	-6	-8 -10	-12	-16	-20 -24 -32
801, 804, 821FR, 831, 836, 837BM, 477		-4 -5	-6	-8	-10	-12	-16		
811, 881, H29, H29ST, H29TC, H29RH, R35, R35TC							-12	-16 -20	-24 -32
787TC, 797TC			-6	-8	-10	-12	-16		
412	-4	-6							

PS – Partek Wrap

Nylon hose sleeve designed for bundling hose assemblies after installation

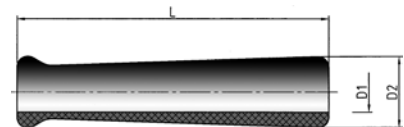
- Post-assembly installation
- Light weight and high flexibility
- Urethane-coated 1050 ballistic Nylon
- Ambient temperature range of -51 °C to 93 °C
- Fast and easy installation
- Designed for added abrasion resistance or bundling of multiple hoses
- Can be cut to size with household scissors




Part Number	Hose Bundle O.D.		Circumference	Roll Length	Color
	Inch	mm	mm	m	
PS-BV-300	3	76.2	238.8	15.24	black
PS-BV-400	4	101.6	317.5	15.24	black
PS-BV-500	5	127.0	400.0	15.24	black
PS-BV-700	7	177.8	558.8	15.24	black

WKS – Rubber Hand Grip

For *No-Sliver* high pressure water cleaning hoses

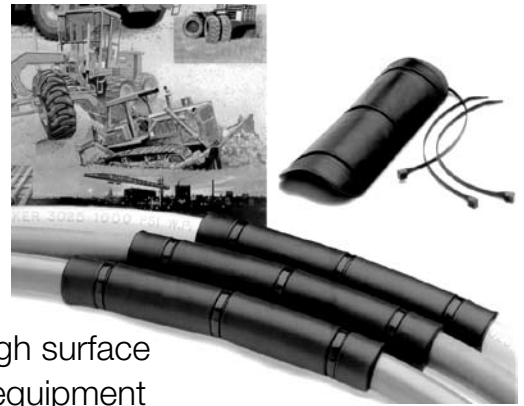


Part Number	Colour	 Hose I.D.				L mm	D1 mm	D2 mm
		DN	Inch	Size	mm			
WKS-4-BLK	black	6	1/4	-4	6,3	120	15	24
WKS-4-BLU	blue	6	1/4	-4	6,3	120	15	24
WKS-5-BLK	black	8	5/16	-5	7,9	150	17	34
WKS-5-BLU	blue	8	5/16	-5	7,9	150	17	34
WKS-6-BLK	black	10	3/8	-6	9,5	150	19,5	34
WKS-6-BLU	blue	10	3/8	-6	9,5	150	19,5	34
WKS-8-BLK	black	12	1/2	-8	12,7	150	22,5	34
WKS-8-BLU	blue	12	1/2	-8	12,7	150	22,5	34
WKS-8-GRA	grey	12	1/2	-8	12,7	150	22,5	34

HP-B – Hose Shield

Hose protection shields extend hose life by protecting the hose from abrasion that occurs when hose rubs against other hose, metal or concrete. Parker hose shields are resistant to oil, lubricants, gasoline, most solvents and can withstand ambient temperatures from -40 °C to +150 °C. Easily installed and secured by cable ties without disconnecting any hose lines.

- Use with hose from size -4 up to size -32
- Eliminate hose abrasion on concrete, metal or any rough surface
- Guard against hose deterioration on mobile hydraulic equipment
- Let Parker fill all your hydraulic and pneumatic hose product needs



Hose Shields KIT HP-B-13X18-KIT with – 2 x HP-13 RFL Hose Protectors, length 101 mm (4") – 2 x HP-15 RFL Hose Protectors, length 152 mm (6") – 4 x HP-18 RFL Hose Protectors, length 203 mm (8") – 30 x HT-12 Tie Wraps – 30 x HT-16 Tie Wraps – 15 x HT-22 Tie Wraps	Part Number	HP-B-13X18-KIT
Counter Display HP-B-13-RFL with – 10 x HP-B-13 Hose Protectors, length 101 mm (4") – 30 x HT-12 Tie Wraps	Part Number	HP-B-13-RFL
Counter Display HP-B-15-RFL with – 10 x HP-B-15 Hose Protectors, length 152 mm (6") – 30 x HT-16 Tie Wraps	Part Number	HP-B-15-RFL
Counter Display HP-B-18-RFL with – 5 x HP-B-18 Hose Protectors, length 203 mm (8") – 15 x HT-18 Tie Wraps	Part Number	HP-B-18-RFL
Hose Protector , length 101 mm (4")	Part Number	HP-B-13
Hose Protector , length 152 mm (6")	Part Number	HP-B-15
Hose Protector , length 203 mm (8")	Part Number	HP-B-18

Hose Whip Restraint

Safety Restraining System for Pressure Hoses

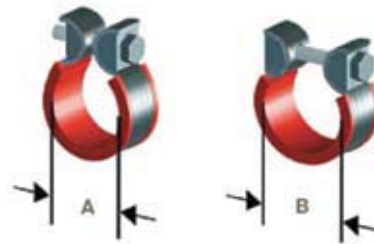
- Prevents whipping of a pressurized hose in the event of the hose separating from its fitting
- The system consists of two parts – a hose collar and a cable assembly



Part Number	A		B	
	Inch	mm	Inch	mm
WRC14	0.55	14	0.669	17
WRC18	0.71	18	0.787	20
WRC21	0.83	21	0.906	23
WRC24	0.94	24	1.024	26
WRC27	1.06	27	1.142	29
WRC30	1.18	30	1.260	32
WRC33	1.30	33	1.378	35
WRC36	1.42	36	1.535	39
WRC44	1.73	44	1.850	47
WRC48	1.89	48	2.008	51
WRC52	2.05	52	2.205	56
WRC57	2.24	57	2.402	61
WRC62	2.44	62	2.598	66
WRC67	2.64	67	2.874	73
WRC72	2.83	72	3.071	78
WRC82	3.23	82	3.740	95

Hose collars

for Hose Whip Restraint System



Part Number	A		C	
	Inch	mm	Inch	mm
WRA145	0.57	14.5	11.81	300
WRA170	0.67	17.0	11.81	300
WRA185	0.73	18.5	11.81	300
WRA205	0.81	20.5	11.81	300
WRA225	0.89	22.5	11.81	300
WRA245	0.96	24.5	11.81	300
WRA265	1.04	26.5	11.81	300
WRA305	1.20	30.5	11.81	300
WRA340	1.34	34.0	17.72	450
WRA365	1.44	36.5	17.72	450
WRA425	1.67	42.5	17.72	450
WRA455	1.79	45.5	17.72	450
WRA490	1.93	49.0	17.72	450
WRA525	2.07	52.5	17.72	450
WRA600	2.36	60.0	17.72	450

Cable Assemblies

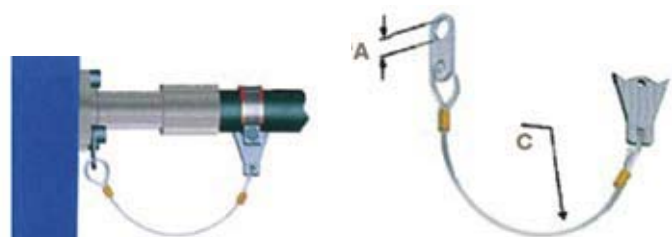
for hoses attached with port adapters



Part Number	A		C	
	Inch	mm	Inch	mm
WRF085	0.33	8.5	17.72	450
WRF105	0.41	10.5	17.72	450
WRF125	0.49	12.5	17.72	450
WRF145	0.57	14.5	17.72	450
WRF165	0.65	16.5	17.72	450
WRF205	0.81	20.5	17.72	450

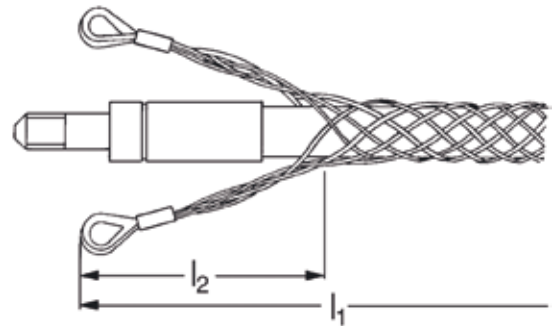
Cable Assemblies

for hoses using flange-style connections (code 61 and code 62 flanges)



HS – Containment Grips

- Material: electrogalvanized steel wire



Part Number	Hose I.D.				Ø mm	Working load kN	Breaking load kN	Total length l1 mm	Length of loops l2 mm
	DN	Inch	Size	mm					
	HS-03	5	3/16	-3					
HS-05	8	5/16	-5	7.9	12 - 20	6	18	600	200
HS-08	12	1/2	-8	12.7	20 - 30	11	33	600	200
HS-12	20	3/4	-12	19.0	30 - 40	11	33	600	200
HS-16	25	1	-16	25.4	40 - 50	16	48	600	200

Thread Identification Kit

The thread identification tools are useful to help you identify international threads such as:

- European threads
(Metric, BSPP, BSPT threads) and
- U.S. threads
(NPT and SAE straight threads UNF)

Technical / Order Data

Thread identification kit
with thread gauges, a set of callipers,
thread profiles and instruction booklet



Part Number	English	H905375-GB
Part Number	German	H905375-DE
Part Number	French	H905375-FR

The components of the thread ID Kit are not high-precision gauges but simple instruments for workshop use.

Parker „Hoze-Oil“

Parker's hose assembly lubricant is pressure and temperature resistant. Simply dip the hose ends into Parker hoze-oil and slightly lubricate the tooling prior to crimping

Volume	1 l
Part Number	Hoze-Oil

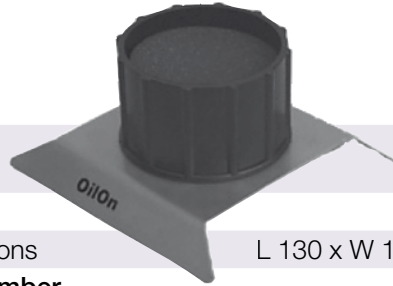


OilOn TH 11-3

Oiling pad for lubrication of fittings

The perfect way to lubricate the fitting, making it easier to insert into the hose. A foam rubber sponge that evenly disperses the oil onto the fitting, in an effective and easy manner.

Material	steel/plastic
Dimensions	L 130 x W 130 x H 70 mm
Part Number	TH11-3



Push-Lok® Assembly Oil H896137

Water-oil emulsion for easier assembly of Parker Push-Lok® fittings. This product is very useful in combination with 830M, 837BM and 837PU hoses as the Push-Lok® assembly oil is free from wetting disturbing substances, e.g. silicone (Labs-free).

Volume	1 l
Part Number	H896137



Push-Lok® Assembly Tool

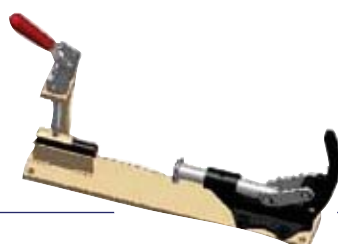
Tool designed for assembly of Push-Lok® fittings and hoses in all sizes. Toggle actions greatly reduce effort necessary to hold hose and press in fitting. Only a few pounds of force is needed on either handle to quickly assemble any size.

Assembly Tool 611050G



Overall length	320 mm
Weight	2.2 kg
Part Number	611050G

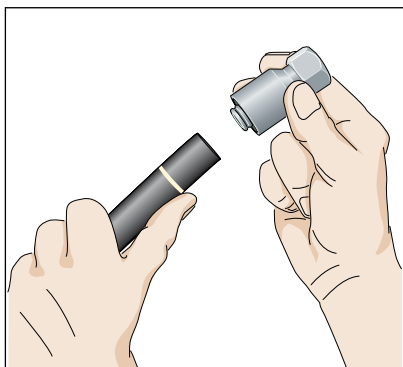
Assembly Tool 611050HV
"Rigid version"



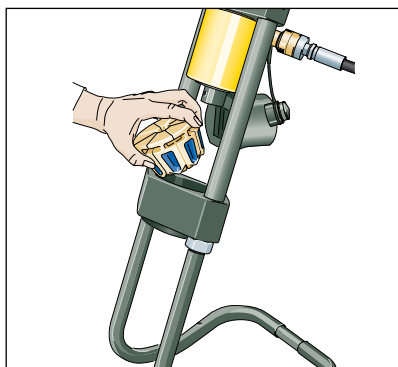
Dimensions	L 500 x W 90 x H 300 mm
Weight	7.5 kg
Part Number	611050HV

KarryKrimp® 1 – 82CE

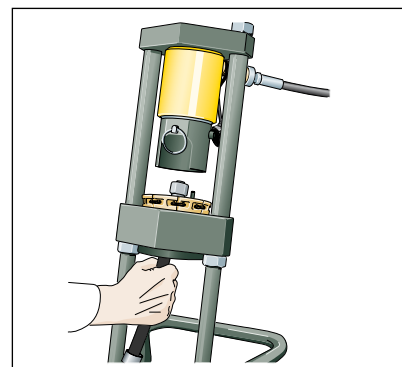
Parkrimp® fittings 26, 43, 46, 48 series size -4 up to -20



1. Push the hose all the way into the coupling. Place the hose next to the fitting shell and mark the length of the shell onto the hose – (lubricate hose end if necessary) push hose into the fitting until the mark on the hose is even with the end of the shell.



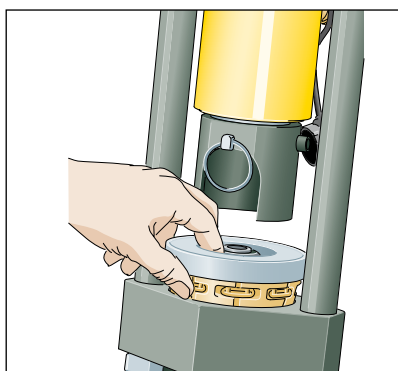
2. Pull pin and drop hinged die-train in place. Pay attention to die segment location.



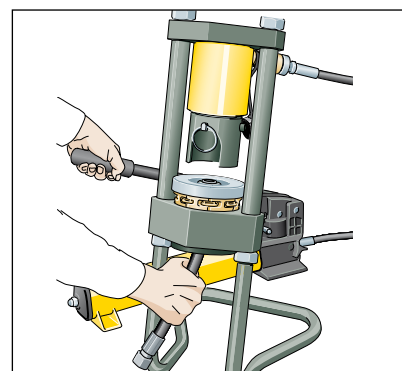
3. Insert fitting into the dies. Release, fitting will self position.



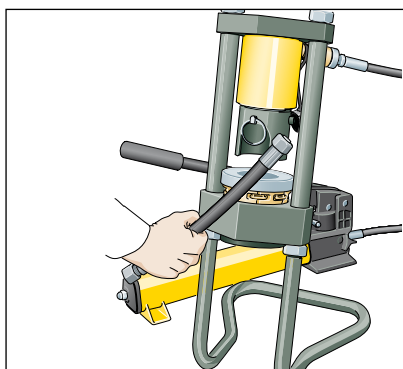
3. (a) Position the fitting on the die step.



4. Place die ring on top of the dies.



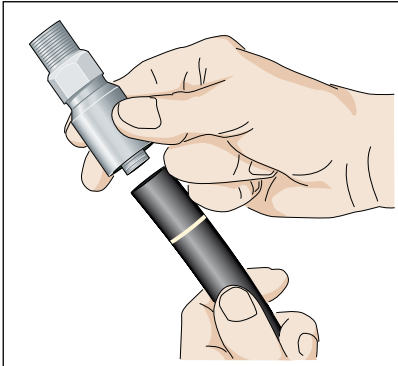
5. Position cylinder and replace pin. Pump until die ring contacts base plate.



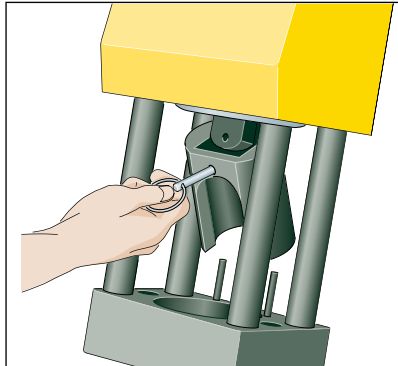
6. Release pressure – remove finished assembly.

KarryKrimp® 2 – 85CE / PHastkrimp® 89CE

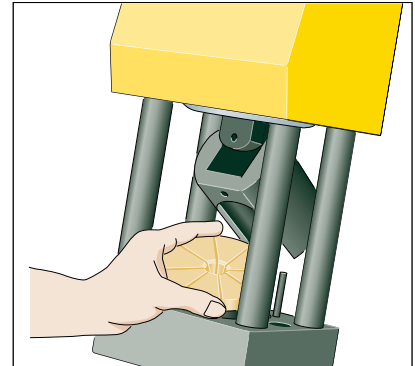
Parkrimp® fittings 26, 43, 46, 48, 70, 71, 73, 77 and 78 series



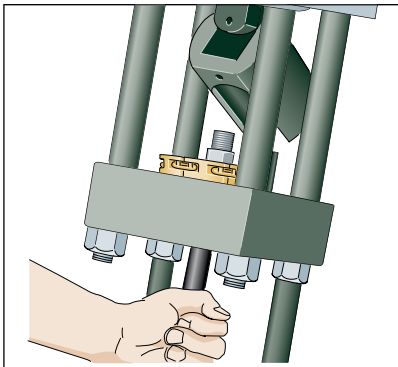
1. Push the hose all the way into the coupling. Place the hose next to the fitting shell and mark the length of the shell onto the hose – (lubricate hose end if necessary) push hose into the fitting until the mark on the hose is even with the end of the shell.



2. Pull pin to swing pusher back.



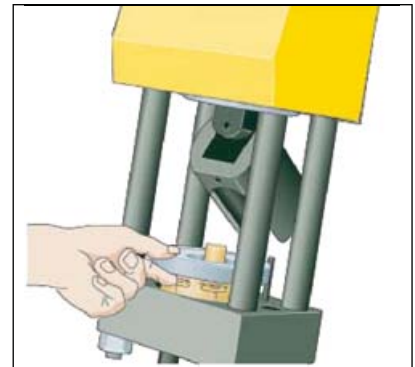
3. Drop unitised die set in place. Note: die sets are colour coded by size. Pay attention to die segment location.



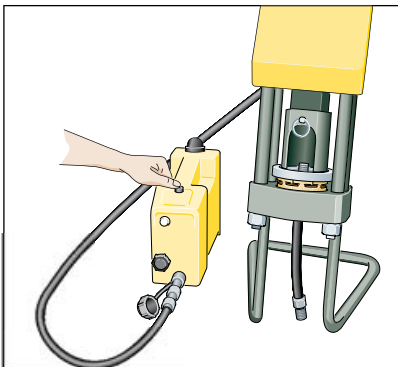
4. Insert fitting into the die; fitting will self position.



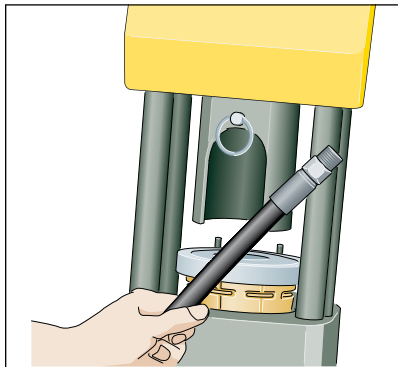
4. (a) Position the fitting on the die step.



5. Place die ring on top of the dies – see decal on crimper for proper die ring. Silver: One wire braid Black: Two wire braid



6. Position cylinder and operate pump until die ring contacts base plate.

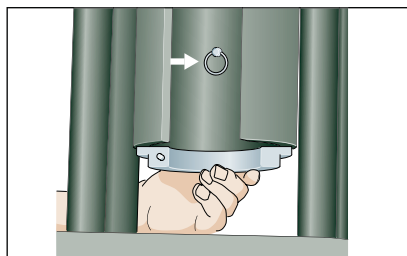


7. Release pressure – remove finished assembly.

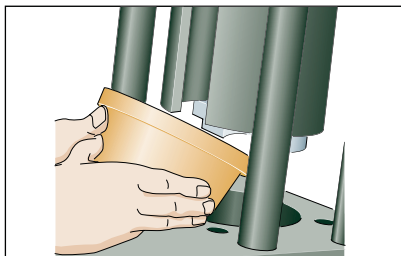
Parkrimp® 2 – 83CE

Parkrimp® fittings 26, 43, 70, 71, 73, 76, 77, 78, 79 and S6 series size -4 up to -32

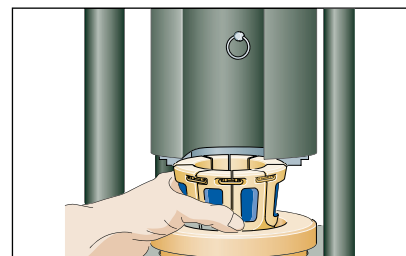
For one-piece die sets 80C- ... and 83C- ... size -4 to -16



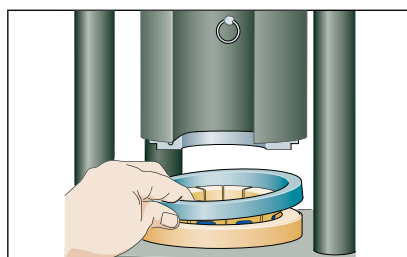
With the pusher in the full up position, lift the back half of the split die ring. Lock it in the up position by pushing the slide pin in (the slide pin is located inside the pusher at the back).



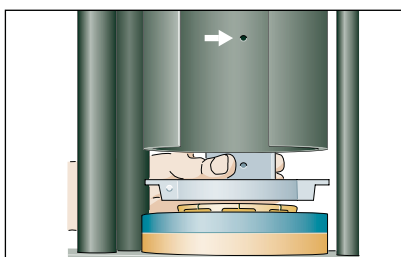
Carefully insert the adapter bowl into the base of the bowl. The adapter bowl must be tilted toward the back of the crimper during insertion.



Insert the proper size and series die set into the adapter bowl.
Note: die sets are colour coded by size and have the fitting series and dash size stamped on the top.
Pay attention to die segment location.



When swaging 43 series fittings on 100R2, 100R3, 100R4 and 100R9 type hose, the black spacer ring must be placed.

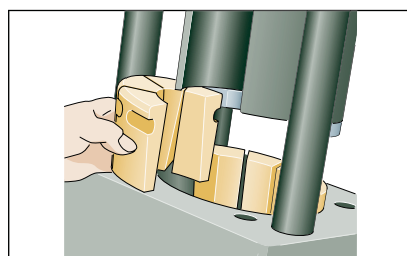


Lower the back half of the split die ring onto the dies by pulling the slide pin forward.

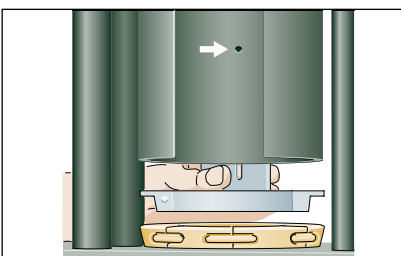


Insert the front half of the split die ring aligning the pin in the half with the hole in the front half.

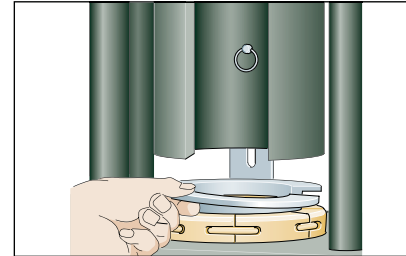
For two-piece die sets 83C-... size -20 to -32



Insert the proper size die set into the die bowl (the die sets are in two halves of four dies each; Place one half in the back and one half in the front to facilitate removal of bent tube fittings).



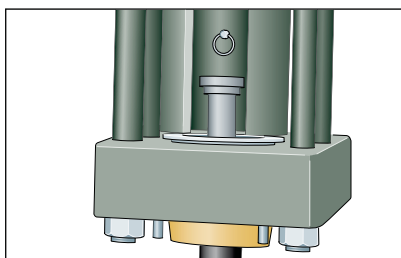
Lower the back half of the split die ring onto the dies by pulling the slide pin forward.



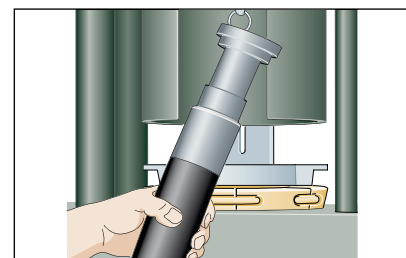
Insert the front half of the split die ring aligning the pin in the half with the hole in the front half.



Parkalign® feature
Position hose from below in dies.
Rest bottom of coupling on die step.



Turn on the pump by pressing the button on the left hand switch box. Lower the pusher by pressing the lower button on the right hand switch box. When the die ring contacts the base plate, the swaging is complete.



Push the black button at the top of the switch box to open dies and remove the finished assembly.
You do not have to remove any tooling to remove or insert straight fittings. The front half of the split die ring and the front die train must be removed to insert and remove bent tube fittings.

KarryKrimp® 1 / Parkrimp® 1*

26 Series

Hose I.D.			Hose type	Fitting series	E Insertion length mm	A Length ±0.50 mm	Crimp diameter		Die set	Die ring	
mm	Size	Inch					Ø B ±0.25 mm	Ø C ±0.25 mm		R01 silver	R02 black
5.0	-4	3/16	213-285-293	26	21	12.20	11.95	11.55	80C-E04	X	
5.0	-4	3/16	201-206	26	21	12.20	12.95	12.55	80C-E04		X
6.3	-5	1/4	213	26	21	12.20	13.45	13.10	80C-E05	X	
6.3	-5	1/4	201-206-221FR	26	21	12.20	14.50	14.10	80C-E05		X
8.0	-6	5/16	213-285-293	26	21	12.20	14.85	14.50	80C-E06	X	
8.0	-6	5/16	201-206-221FR	26	21	12.20	15.90	15.50	80C-E06		X
10.0	-8	13/32	213-285-293	26	21	12.20	17.30	16.90	80C-E08	X	
10.0	-8	13/32	201-206-221FR	26	21	12.20	18.30	17.90	80C-E08		X
12.5	-10	1/2	213-285-293	26	22	14.70	20.70	20.30	80C-E10	X	
12.5	-10	1/2	201-206-221FR	26	22	14.70	21.70	21.35	80C-E10		X
16.0	-12	5/8	213-285-293	26	22	14.70	23.50	23.10	80C-E12	X	
16.0	-12	5/8	201-206-221FR	26	22	14.70	24.50	24.15	80C-E12		X
22.0	-16	7/8	213-293	26	25	15.50	30.10	29.70	80C-E16	X	
22.0	-16	7/8	201-206-221FR	26	25	15.50	31.10	30.75	80C-E16		X

KarryKrimp 1 is not suitable for crimping stainless steel fittings.

* Parkrimp 1 is no more included in our delivery programme!

Dimensions shown may be changed at any time without prior notice. These crimping tables are intended as a guide. Before crimping hoses and fittings it must be ensured that you have the most recent crimping dimensions. Please contact your local Parker sales office or HPDE_Helpdesk@parker.com
Crimp Charts Status: 2010-03-23

KarryKrimp® 1 / Parkrimp® 1*

46 Series

Hose I.D.				Hose type	Fitting series	Die set	Die ring		Insert depth	Crimp diameter	
DN	Inch	Size	mm				R01 silver	R02 black		mm	mm
6	1/4	-4	6.3	492-492ST-692	46	80C-B04	X		23	14.35	14.85
6	1/4	-4	6.3	441-441RH-461LT-462-462ST	46	80C-B04		X	23	15.35	15.85
8	5/16	-5	7.9	492-492ST-692	46	80C-B05	X		23	16.15	16.65
8	5/16	-5	7.9	441-441RH-461LT-462-462ST-463	46	80C-B05		X	23	17.15	17.65
10	3/8	-6	9.5	492-492ST-692	46	80C-B06	X		22	19.30	19.80
10	3/8	-6	9.5	441-441RH-461LT-462-462ST-463	46	80C-B06		X	22	20.35	20.85
12	1/2	-8	12.7	492-492ST	46	80C-B08	X		24	22.35	22.85
12	1/2	-8	12.7	441-441RH-461LT-462-462ST-463-692	46	80C-B08		X	24	23.35	23.85
16	5/8	-10	15.9	492-492ST	46	80C-B10	X		25	25.65	26.15
16	5/8	-10	15.9	441-441RH-461LT-462-462ST-692	46	80C-B10		X	25	26.65	27.15
20	3/4	-12	19.1	492-492ST	46	80C-B12	X		25	29.45	29.95
20	3/4	-12	19.1	441-441RH-461LT-462-462ST	46	80C-B12		X	25	30.50	31.00
25	1	-16	25.4	492-492ST	46	80C-B16	X		29	37.10	37.60
25	1	-16	25.4	441-441RH-461LT-462-462ST	46	80C-B16		X	29	38.10	38.60
32	1-1/4	-20	31.8	492-492ST	46	80C-B20	X		35	43.95	44.45
32	1-1/4	-20	31.8	461LT-462-462ST	46	80C-B20		X	35	44.95	45.45

KarryKrimp 1 is not suitable for crimping stainless steel fittings.

* Parkrimp 1 is no more included in our delivery programme!

Dimensions shown may be changed at any time without prior notice. These crimping tables are intended as a guide. Before crimping hoses and fittings it must be ensured that you have the most recent crimping dimensions. Please contact your local Parker sales office or HPDE_Helpdesk@parker.com

Crimp Charts Status: 2010-03-23

KarryKrimp® 1 / Parkrimp® 1*

48 Series

Hose I.D.				Hose type	Fitting series	Die set	Die ring		Insert depth	Crimp diameter	
DN	Inch	Size	mm				R01 silver	R02 black		mm	mm
6	1/4	-4	6.3	421SN-422-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C04	X		22	16.40	16.90
6	1/4	-4	6.3	301SN-302-304-421WC-601	48	80C-C04		X	22	17.40	17.90
8	5/16	-5	7.9	421SN-422-441-441RH-461LT-462-462ST-471TC-472TC-477-493	48	80C-C05	X		24	18.05	18.55
8	5/16	-5	7.9	301SN-302	48	80C-C05		X	24	19.05	19.55
10	3/8	-6	9.5	421SN-422-436-441-441RH--451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C06	X		22	20.35	20.85
10	3/8	-6	9.5	301SN-302	48	80C-C06		X	22	21.35	21.85
12	1/2	-8	12.7	421SN-422-426-436-441-441RH--451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C08	X		24	23.35	23.85
12	1/2	-8	12.7	301SN-302	48	80C-C08		X	24	24.40	24.90
16	5/8	-10	15.9	421SN-422-426-436-441-441RH--451TC-461LT-462-462ST-471TC-472TC-477	48	80C-C10	X		25	26.65	27.15
16	5/8	-10	15.9	301SN-302	48	80C-C10		X	25	27.70	28.20
20	3/4	-12	19.1	421SN-422-426-436-441-441RH--451TC-461LT-462-462ST-471TC-472TC-477	48	80C-C12	X		25	30.50	31.00
20	3/4	-12	19.1	301SN-302	48	80C-C12		X	25	31.50	32.00
25	1	-16	25.4	421SN-422-426-436-441-441RH--451TC-461LT-462-462ST-471TC-472TC	48	80C-C16	X		30	38.10	38.60
25	1	-16	25.4	301SN-302	48	80C-C16		X	30	39.05	39.55
32	1-1/4	-20	31.8	421RH-421SN-422-426-472TC	48	80C-C20	X		46	50.05	50.55
32	1-1/4	-20	31.8	301SN-302-304-811-881	48	80C-C20		X	46	51.05	51.55

KarryKrimp 1 is not suitable for crimping stainless steel fittings.

* Parkrimp 1 is no more included in our delivery programme!

Dimensions shown may be changed at any time without prior notice. These crimping tables are intended as a guide. Before crimping hoses and fittings it must be ensured that you have the most recent crimping dimensions. Please contact your local Parker sales office or HPDE_Helpdesk@parker.com
Crimp Charts Status: 2010-03-23

KarryKrimp® 2 / PHastkrimp®

26 Series

Hose I.D.			Hose type	Fitting series	E Insertion length mm	A Length ±0.50 mm	Crimp diameter		Die set	Die ring	
mm	Size	Inch					Ø B ±0.25 mm	Ø C ±0.25 mm		R01 silver	R02 black
5.0	-4	3/16	213-285-293	26	21	12.20	11.95	11.55	80C-E04	X	
5.0	-4	3/16	201-206	26	21	12.20	12.95	12.55	80C-E04		X
6.3	-5	1/4	213	26	21	12.20	13.45	13.10	80C-E05	X	
6.3	-5	1/4	201-206-221FR	26	21	12.20	14.50	14.10	80C-E05		X
8.0	-6	5/16	213-285-293	26	21	12.20	14.85	14.50	80C-E06	X	
8.0	-6	5/16	201-206-221FR	26	21	12.20	15.90	15.50	80C-E06		X
10.0	-8	13/32	213-285-293	26	21	12.20	17.30	16.90	80C-E08	X	
10.0	-8	13/32	201-206-221FR	26	21	12.20	18.30	17.90	80C-E08		X
12.5	-10	1/2	213-285-293	26	22	14.70	20.70	20.30	80C-E10	X	
12.5	-10	1/2	201-206-221FR	26	22	14.70	21.70	21.35	80C-E10		X
16.0	-12	5/8	213-285-293	26	22	14.70	23.50	23.10	80C-E12	X	
16.0	-12	5/8	201-206-221FR	26	22	14.70	24.50	24.15	80C-E12		X
22.0	-16	7/8	213-293	26	25	15.50	30.10	29.70	80C-E16	X	
22.0	-16	7/8	201-206-221FR	26	25	15.50	31.10	30.75	80C-E16		X

Dimensions shown may be changed at any time without prior notice. These crimping tables are intended as a guide. Before crimping hoses and fittings it must be ensured that you have the most recent crimping dimensions. Please contact your local Parker sales office or HPDE_Helpdesk@parker.com
Crimp Charts Status: 2010-03-23

KarryKrimp® 2 / PHastkrimp®

46 Series

Hose I.D.				Hose type	Fitting series	Die set	Die ring		Insert depth	Crimp diameter	
DN	Inch	Size	mm				R01 silver	R02 black		mm	mm
6	1/4	-4	6.3	492-492ST-692	46	80C-B04	X		23	14.35	14.85
6	1/4	-4	6.3	441-441RH-461LT-462-462ST	46	80C-B04		X	23	15.35	15.85
8	5/16	-5	7.9	492-492ST-692	46	80C-B05	X		23	16.15	16.65
8	5/16	-5	7.9	441-441RH-461LT-462-462ST-463	46	80C-B05		X	23	17.15	17.65
10	3/8	-6	9.5	492-492ST-692	46	80C-B06	X		22	19.30	19.80
10	3/8	-6	9.5	441-441RH-461LT-462-462ST-463	46	80C-B06		X	22	20.35	20.85
12	1/2	-8	12.7	492-492ST	46	80C-B08	X		24	22.35	22.85
12	1/2	-8	12.7	441-441RH-461LT-462-462ST-463-692	46	80C-B08		X	24	23.35	23.85
16	5/8	-10	15.9	492-492ST	46	80C-B10	X		25	25.65	26.15
16	5/8	-10	15.9	441-441RH-461LT-462-462ST-692	46	80C-B10		X	25	26.65	27.15
20	3/4	-12	19.1	492-492ST	46	80C-B12	X		25	29.45	29.95
20	3/4	-12	19.1	441-441RH-461LT-462-462ST	46	80C-B12		X	25	30.50	31.00
25	1	-16	25.4	492-492ST	46	80C-B16	X		29	37.10	37.60
25	1	-16	25.4	441-441RH-461LT-462-462ST	46	80C-B16		X	29	38.10	38.60
32	1-1/4	-20	31.8	492-492ST	46	80C-B20	X		35	43.95	44.45
32	1-1/4	-20	31.8	461LT-462-462ST	46	80C-B20		X	35	44.95	45.45

Dimensions shown may be changed at any time without prior notice. These crimping tables are intended as a guide. Before crimping hoses and fittings it must be ensured that you have the most recent crimping dimensions. Please contact your local Parker sales office or HPDE_Helpdesk@parker.com
Crimp Charts Status: 2010-03-23

KarryKrimp® 2 / PHastkrimp®

48 Series

Hose I.D.				Hose type	Fitting series	Die set	Die ring		Insert depth	Crimp diameter	
DN	Inch	Size	mm				R01 silver	R02 black		mm	mm
6	1/4	-4	6.3	421SN-422-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C04	X		22	16.40	16.90
6	1/4	-4	6.3	301SN-302-304-421WC-601	48	80C-C04		X	22	17.40	17.90
8	5/16	-5	7.9	421SN-422-441-441RH-461LT-462-462ST-471TC-472TC-477-493	48	80C-C05	X		24	18.05	18.55
8	5/16	-5	7.9	301SN-302	48	80C-C05		X	24	19.05	19.55
10	3/8	-6	9.5	421SN-422-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C06	X		22	20.35	20.85
10	3/8	-6	9.5	301SN-302	48	80C-C06		X	22	21.35	21.85
12	1/2	-8	12.7	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C08	X		24	23.35	23.85
12	1/2	-8	12.7	301SN-302	48	80C-C08		X	24	24.40	24.90
16	5/8	-10	15.9	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477	48	80C-C10	X		25	26.65	27.15
16	5/8	-10	15.9	301SN-302	48	80C-C10		X	25	27.70	28.20
20	3/4	-12	19.1	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477	48	80C-C12	X		25	30.50	31.00
20	3/4	-12	19.1	301SN-302	48	80C-C12		X	25	31.50	32.00
25	1	-16	25.4	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC	48	80C-C16	X		30	38.10	38.60
25	1	-16	25.4	301SN-302	48	80C-C16		X	30	39.05	39.55
32	1-1/4	-20	31.8	421RH-421SN-422-426-472TC	48	80C-C20	X		46	50.05	50.55
32	1-1/4	-20	31.8	301SN-302-304-811-881	48	80C-C20		X	46	51.05	51.55

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Crimp Charts Status: 2010-03-23

KarryKrimp® 2 / PHastkrimp®

70, 71, 73, 77, 78 Series

Hose I.D.				Hose type	Fitting series	Die set	Die ring		Insert depth	Crimp diameter		*
DN	Inch	Size	mm				R01 silver	R02 black		mm	mm	
10	3/8	-6	9.5	371LT-372-372RH-701	70	83C-D06		X	27	25.15	25.65	*
10	3/8	-6	9.5	721TC	71	83C-D06	X		28	24.15	24.65	*
12	1/2	-8	12.7	371LT-372-372RH-701-F42	70	83C-D08		X	33	28.95	29.45	*
12	1/2	-8	12.7	721TC	71	83C-D08	X		33	27.95	28.45	*
12	1/2	-8	12.7	787TC-797TC	77	80C-CS08		X	35	23.65	24.15	
16	5/8	-10	15.9	371LT-372-372RH-701	70	83C-D10		X	35	32.00	32.50	*
16	5/8	-10	15.9	721TC	71	83C-D10	X		36	31.00	31.50	*
16	5/8	-10	15.9	787TC-797TC	77	80C-CS10		X	39	26.85	27.35	
20	3/4	-12	19.1	371LT-372-372RH-701	70	83C-D12		X	38	35.45	35.95	*
20	3/4	-12	19.1	721TC-774	71	83C-D12	X		37	34.40	34.90	*
20	3/4	-12	19.1	731	73	80C-L12	X		48	36.05	36.55	
20	3/4	-12	19.1	781-782TC	78	80C-L12	X		48	36.05	36.55	*
20	3/4	-12	19.1	787TC-797TC	77	80C-CS12		X	45	31.65	32.15	
25	1	-16	25.4	371LT-372-372RH-701	70	83C-D16		X	46	44.10	44.60	*
25	1	-16	25.4	721TC-774	71	83C-D16	X		45	43.05	43.55	*
25	1	-16	25.4	731	73	80C-L16	X		51	43.95	44.45	
25	1	-16	25.4	781-782TC	78	80C-L16	X		51	43.95	44.45	*
32	1-1/4	-20	31.8	721TC-774	71	83C-D20	X		46	51.45	51.95	*

* Crimp diameters for stainless steel fittings can be up to 0.25 mm larger than for standard steel fittings.

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Crimp Charts Status: 2010-03-23

Parkrimp® 2

26 Series

Hose I.D.			Hose type	Fitting series	E Insertion length mm	A Length ±0.50 mm	Crimp diameter		Die set	Die ring 83C-R02	Base plate 83C-R02H	Adapter bowl 83C-0CB
mm	Size	Inch					Ø B ±0.25 mm	Ø C ±0.25 mm				
5.0	-4	3/16	213-285-293	26	21	12.20	11.95	11.55	80C-E04			X
5.0	-4	3/16	201-206	26	21	12.20	12.95	12.55	80C-E04	X		X
6.3	-5	1/4	213	26	21	12.20	13.45	13.10	80C-E05			X
6.3	-5	1/4	201-206-221FR	26	21	12.20	14.50	14.10	80C-E05	X		X
8.0	-6	5/16	213-285-293	26	21	12.20	14.85	14.50	80C-E06			X
8.0	-6	5/16	201-206-221FR	26	21	12.20	15.90	15.50	80C-E06	X		X
10.0	-8	13/32	213-285-293	26	21	12.20	17.30	16.90	80C-E08			X
10.0	-8	13/32	201-206-221FR	26	21	12.20	18.30	17.90	80C-E08	X		X
12.5	-10	1/2	213-285-293	26	22	14.70	20.70	20.30	80C-E10			X
12.5	-10	1/2	201-206-221FR	26	22	14.70	21.70	21.35	80C-E10	X		X
16.0	-12	5/8	213-285-293	26	22	14.70	23.50	23.10	80C-E12			X
16.0	-12	5/8	201-206-221FR	26	22	14.70	24.50	24.15	80C-E12	X		X
22.0	-16	7/8	213-293	26	25	15.50	30.10	29.70	80C-E16			X
22.0	-16	7/8	201-206-221FR	26	25	15.50	31.10	30.75	80C-E16	X		X
29.0	-20	1 1/8	213	26	25	16.50	36.30	35.95	83C-E20			
29.0	-20	1 1/8	201-206	26	25	16.50	37.35	36.95	83C-E20		X	
35.0	-24	1 3/8	213	26	27	16.50	42.65	42.30	83C-E24			
35.0	-24	1 3/8	201-206	26	27	16.50	43.70	43.30	83C-E24		X	
46.0	-32	1 13/16	213	26	32	22.90	55.10	54.75	83C-E32			
46.0	-32	1 13/16	201-206	26	32	22.90	56.15	55.75	83C-E32		X	

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Crimp Charts Status: 2010-03-23

Parkrimp® 2

46 Series

Hose I.D.				Hose type	Fitting series	Die set	1) 83C-R02	2) 83C-R02H	3) 83C-0CB	Insert depth mm	Crimp diameter	
DN	Inch	Size	mm								mm	mm
6	1/4	-4	6.3	492-492ST-692	46	80C-B04			X	23	14.35	14.85
6	1/4	-4	6.3	441-441RH-461LT-462-462ST	46	80C-B04	X		X	23	15.35	15.85
8	5/16	-5	7.9	492-492ST-692	46	80C-B05			X	23	16.15	16.65
8	5/16	-5	7.9	441-441RH-461LT-462-462ST-463	46	80C-B05	X		X	23	17.15	17.65
10	3/8	-6	9.5	492-492ST-692	46	80C-B06			X	22	19.30	19.80
10	3/8	-6	9.5	441-441RH-461LT-462-462ST-463	46	80C-B06	X		X	22	20.35	20.85
12	1/2	-8	12.7	492-492ST	46	80C-B08			X	24	22.35	22.85
12	1/2	-8	12.7	441-441RH-461LT-462-462ST-463-692	46	80C-B08	X		X	24	23.35	23.85
16	5/8	-10	15.9	492-492ST	46	80C-B10			X	25	25.65	26.15
16	5/8	-10	15.9	441-441RH-461LT-462-462ST-692	46	80C-B10	X		X	25	26.65	27.15
20	3/4	-12	19.1	492-492ST	46	80C-B12			X	25	29.45	29.95
20	3/4	-12	19.1	441-441RH-461LT-462-462ST	46	80C-B12	X		X	25	30.50	31.00
25	1	-16	25.4	492-492ST	46	80C-B16			X	29	37.10	37.60
25	1	-16	25.4	441-441RH-461LT-462-462ST	46	80C-B16	X		X	29	38.10	38.60
32	1-1/4	-20	31.8	492-492ST	46	80C-B20			X	35	43.95	44.45
32	1-1/4	-20	31.8	461LT-462-462ST	46	80C-B20	X		X	35	44.95	45.45

- 1) die ring
2) base plate
3) adapter bowl

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Crimp Charts Status: 2010-03-23

Parkrimp® 2

48 Series

Hose I.D.				Hose type	Fitting series	Die set	1) 83C-R02	2) 83C-R02H	3) 83C-0CB	Insert depth	Crimp diameter		*
DN	Inch	Size	mm								mm	mm	
6	1/4	-4	6.3	421SN-422-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C04			X	22	16.40	16.90	
6	1/4	-4	6.3	301SN-302-304-421WC-601	48	80C-C04	X		X	22	17.40	17.90	
8	5/16	-5	7.9	421SN-422-441-441RH-461LT-462-462ST-471TC-472TC-477-493	48	80C-C05			X	24	18.05	18.55	
8	5/16	-5	7.9	301SN-302	48	80C-C05	X		X	24	19.05	19.55	
10	3/8	-6	9.5	421SN-422-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C06			X	22	20.35	20.85	
10	3/8	-6	9.5	301SN-302	48	80C-C06	X		X	22	21.35	21.85	
12	1/2	-8	12.7	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477-493	48	80C-C08			X	24	23.35	23.85	
12	1/2	-8	12.7	301SN-302	48	80C-C08	X		X	24	24.40	24.90	
16	5/8	-10	15.9	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477	48	80C-C10			X	25	26.65	27.15	
16	5/8	-10	15.9	301SN-302	48	80C-C10	X		X	25	27.70	28.20	
20	3/4	-12	19.1	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC-477	48	80C-C12			X	25	30.50	31.00	
20	3/4	-12	19.1	301SN-302	48	80C-C12	X		X	25	31.50	32.00	
20	3/4	-12	19.1	811	48	80C-C12	X	X (4)	X	25	32.50	33.00	
25	1	-16	25.4	421SN-422-426-436-441-441RH-451TC-461LT-462-462ST-471TC-472TC	48	80C-C16			X	30	38.10	38.60	
25	1	-16	25.4	301SN-302	48	80C-C16	X		X	30	39.05	39.55	
25	1	-16	25.4	811	48	80C-C16	X	X (4)	X	30	40.05	40.55	
32	1-1/4	-20	31.8	421RH-421SN-422-426-472TC	48	80C-C20			X	46	50.05	50.55	
32	1-1/4	-20	31.8	421RH-421SN-422-426-472TC	48	83C-C20H				46	50.05	50.55	
32	1-1/4	-20	31.8	301SN-302-304-811-881	48	80C-C20	X		X	46	51.05	51.55	
32	1-1/4	-20	31.8	301SN-302-304-811-881	48	83C-C20H		X		46	51.05	51.55	
40	1-1/2	-24	38.1	421RH-421SN-422-426-471TC-472TC	48	83C-C24				37	58.15	58.65	*
40	1-1/2	-24	38.1	301SN-302-304-811-881	48	83C-C24		X		37	59.15	59.65	*
50	2	-32	50.8	421RH-421SN-422-426-471TC-472TC	48	83C-C32				47	69.45	69.95	*
50	2	-32	50.8	301SN-302-304-811-881	48	83C-C32		X		47	70.45	70.95	*

* Crimp diameters for stainless steel fittings can be up to 0.25 mm larger than for standard steel fittings.

1) die ring

2) base plate

3) adapter bowl

4) put plate 83C-R02H between adaptor bowl 83C-0CB and ring 83C-R02

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Crimp Charts Status: 2010-03-23

Parkrimp® 2

70, 71, 73, 76, 77, 78, 79, S6 Series

Hose I.D.				Hose type	Fitting series	Die set	1) 83C-R02	2) 83C-R02H	3) 83C-0CB	Insert depth mm	min. Crimp length mm	Crimp diameter		*
DN	Inch	Size	mm									mm	mm	
10	3/8	-6	9.5	371LT-372-372RH-701	70	83C-D06	X		X	27		25.15	25.65	*
10	3/8	-6	9.5	721TC	71	83C-D06			X	28		24.15	24.65	*
12	1/2	-8	12.7	371LT-372-372RH-701	70	83C-D08	X		X	33		28.95	29.45	*
12	1/2	-8	12.7	721TC	71	83C-D08			X	33		27.95	28.45	*
12	1/2	-8	12.7	787TC-797TC	77	80C-CS08	X		X	35		23.65	24.15	*
16	5/8	-10	15.9	371LT-372-372RH-701	70	83C-D10	X		X	35		32.00	32.50	*
16	5/8	-10	15.9	721TC	71	83C-D10			X	36		31.00	31.50	*
16	5/8	-10	15.9	787TC-797TC	77	80C-CS10	X		X	39		26.85	27.35	*
20	3/4	-12	19.1	371LT-372-372RH-701	70	83C-D12	X		X	38		35.45	35.95	*
20	3/4	-12	19.1	721TC-774	71	83C-D12			X	37		34.40	34.90	*
20	3/4	-12	19.1	731	73	80C-L12			X	48		36.05	36.55	*
20	3/4	-12	19.1	731	73	83C-L12				48		36.05	36.55	*
20	3/4	-12	19.1	761	76	83C-U12				59		39.15	39.65	*
20	3/4	-12	19.1	782TC-781	78	80C-L12			X	48		36.05	36.55	*
20	3/4	-12	19.1	782TC-781	78	83C-L12				48		36.05	36.55	*
20	3/4	-12	19.1	791TC-792TC-F42	79	80C-L12			X	56	54.0	36.05	36.55	*
20	3/4	-12	19.1	791TC-792TC-F42	79	83C-L12				56	54.0	36.05	36.55	*
20	3/4	-12	19.1	787TC-797TC	77	80C-CS12	X		X	45		31.65	32.15	*
25	1	-16	25.4	371LT-372-372RH-701	70	83C-D16	X		X	46		44.10	44.60	*
25	1	-16	25.4	371LT-372-372RH-701	70	83C-D16H		X		46		44.10	44.60	*
25	1	-16	25.4	721TC-774	71	83C-D16			X	45		43.05	43.55	*
25	1	-16	25.4	721TC-774	71	83C-D16H				45		43.05	43.55	*
25	1	-16	25.4	731	73	80C-L16			X	51		43.95	44.45	*
25	1	-16	25.4	731	73	83C-L16				51		43.95	44.45	*
25	1	-16	25.4	761	76	83C-U16				65		47.40	47.90	*
25	1	-16	25.4	782TC-781	78	80C-L16			X	51		43.95	44.45	*
25	1	-16	25.4	782TC-781	78	83C-L16				51		43.95	44.45	*
25	1	-16	25.4	791TC-792TC-F42	79	80C-L16			X	58	57.0	43.95	44.45	*
25	1	-16	25.4	791TC-792TC-F42	79	83C-L16				58	57.0	43.95	44.45	*
25	1	-16	25.4	787TC-797TC	77	83C-CS16		X		54		39.15	39.65	*
32	1-1/4	-20	31.8	701	70	83C-D20H		X		45		52.45	52.95	*
32	1-1/4	-20	31.8	721TC-774	71	83C-D20			X	46		51.45	51.95	*
32	1-1/4	-20	31.8	721TC-774	71	83C-D20H				46		51.45	51.95	*
32	1-1/4	-20	31.8	731	73	83C-L20				64		54.35	54.85	*
32	1-1/4	-20	31.8	782TC-781	78	83C-L20				64		54.35	54.85	*
32	1-1/4	-20	31.8	791TC-F42	79	83C-L20				71	70.0	54.35	54.85	*
40	1-1/2	-24	38.1	701	70	83C-D24		X		55		59.15	59.65	*
40	1-1/2	-24	38.1	721TC-774	71	83C-D24				59		58.15	58.65	*
40	1-1/2	-24	38.1	731	73	83C-L24				63		61.95	62.45	*
40	1-1/2	-24	38.1	782TC-781	78	83C-L24				63		61.95	62.45	*
40	1-1/2	-24	38.1	791TC-F42	79	83C-L24				75	73.0	61.95	62.45	*
50	2	-32	50.8	721TC-774	71	83C-D32				63		70.50	71.00	*
50	2	-32	50.8	731	73	83C-L32				72		76.85	77.35	*
50	2	-32	50.8	P35	S6	83C-L32				87	86.4	76.85	77.35	*

* Crimp diameters for stainless steel fittings can be up to 0.25 mm larger than for standard steel fittings.

- 1) die ring
2) base plate
3) adapter bowl

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Crimp Charts Status: 2010-03-23

Adjustable Crimper

V4/V6 Series

Hose I.D.				Hose type	Fitting series	Skiving length		Crimping diameter ± 0.2 mm	Shell ovalization	Shell conicity	Die set	Length min. mm
DN	Inch	Size	mm			internal ± 1 mm	external ± 1 mm					
16	5/8	-10	15.9	H31 - H31ST - H31TC	V4	14.5	50.0	30.40	0.2	0.6	PB239-28	70
16	5/8	-10	15.9	R42 - R42ST - R42TC	V4	14.5	50.0	30.40 *)	0.2	0.6	PB239-28	70
20	3/4	-12	19.1	H29 - H29RH - H29ST - H29TC	V4	15.0	52.0	33.90 *)	0.2	0.6	PB239-32	70
20	3/4	-12	19.1	H31 - H31ST - H31TC - R35 - R35TC	V4	15.0	52.0	33.90	0.2	0.6	PB239-32	70
20	3/4	-12	19.1	R42 - R42ST - R42TC	V4	15.0	52.0	33.90 *)	0.2	0.6	PB239-32	70
25	1	-16	25.4	H29 - H29RH - H29ST - H29TC R42 - R42ST - R42TC	V4	17.0	65.0	42.50 *)	0.2	0.6	PB239L-40	85
25	1	-16	25.4	H31 - H31ST - H31TC	V4	17.0	65.0	41.60	0.2	0.6	PB239L-40	85
25	1	-16	25.4	R35 - R35TC	V4	17.0	65.0	42.50	0.2	0.6	PB239L-40	85
32	1.1/4	-20	31.8	H29 - H29RH - H29ST - H29TC	V4	21.5	74.0	50.20 *)	0.3	1.0	PB239L-50	100
32	1.1/4	-20	31.8	H31 - H31ST - H31TC	V4	21.5	74.0	51.00	0.3	1.0	PB239L-50	100
32	1.1/4	-20	31.8	R35 - R35TC	V4	21.5	74.0	50.20	0.3	1.0	PB239L-50	100
32	1.1/4	-20	31.8	R42	V6	22.0	58.0	55.50 *)	0.3	1.0	PB232L-54	100
40	1.1/2	-24	38.1	H29 - H29RH - H29ST - H29TC	V4	22.0	81.0	57.30 *)	0.3	1.0	PB232L-57	110
40	1.1/2	-24	38.1	H31 - H31ST - H31TC	V4	22.0	81.0	57.20	0.3	1.0	PB232L-57	110
40	1.1/2	-24	38.1	R35 - R35TC	V6	22.0	65.0	63.20	0.3	1.0	PB232L-62	110
40	1.1/2	-24	38.1	R42	V6	22.0	65.0	63.20 *)	0.3	1.0	PB232L-62	110
50	2	-32	50.8	H29 - H29RH - H29ST - H29TC - H31 - H31ST - H31TC	V4	29.0	85.0	73.50	0.3	1.0	PB232L-71	110
50	2	-32	50.8	R35 - R35TC	V6	22.0	75.0	77.30	0.3	1.0	PB232L-74	118
50	2	-32	50.8	R42	V6	22.0	75.0	78.00 *)	0.3	1.0	PB232L-78	118

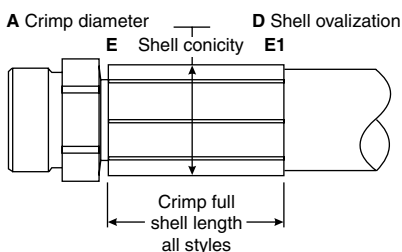
*) Stainless Steel

Double swaging of shells should be avoided as it detrimentally influences the functionality and reduces the service life of the hose assembly.

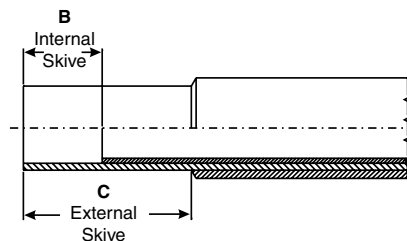
It must be ensured that the crimper has enough crimping force to crimp the fitting and that the swage-dies are of sufficient length to cover the entire length of the shell.

Only for use with adjustable crimpers - Minimum of 340 tons crimping force required for size -32

Crimp Information



Skive Information



1. Use a vernier calliper to carry out two measurements at 90° in the middle of the shell (D). The ovaling is the difference between the min and the max measured diameters.
2. Use a vernier calliper to carry out two 90° opposed measurements on the shell surfaces as indicated (E - E1). The conicity is the difference between the medium diameter value E minus the medium diameter value E1, (E1 should not be greater than E)

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Crimp Charts Status: 2010-03-23

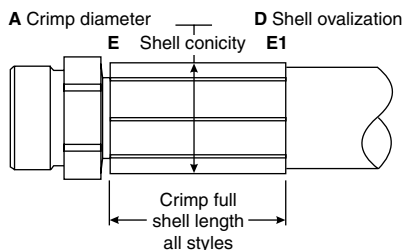
Adjustable Crimper

VS Series

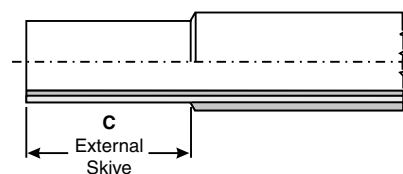
Hose I.D.				Hose type	Fitting series	Skiving length		Crimping diameter ± 0.2 mm	Shell ovalization	Shell conicity	Die set	Length min. mm
DN	Inch	Size	mm			internal ± 1 mm	external ± 1 mm					
6	1/4	-4	6.3	H31 - H31ST - H31TC	VS	-	29.0	19.80	0.2	0.6	PB239-20	50
10	3/8	-6	9.5	H31 - H31ST - H31TC	VS	-	28.0	23.50	0.2	0.6	PB239-20	60
12	1/2	-8	12.7	H31 - H31ST - H31TC	VS	-	32.0	26.50	0.2	0.6	PB239-24	60

Only for use with adjustable crimpers

Crimp Information



Skive Information



1. Use a vernier calliper to carry out two measurements at 90° in the middle of the shell (D). The ovaling is the difference between the min and the max measured diameters.
2. Use a vernier calliper to carry out two 90° opposed measurements on the shell surfaces as indicated (E - E1). The conicity is the difference between the medium diameter value E minus the medium diameter value E1, (E1 should not be greater than E)

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 Crimp Charts Status: 2010-03-23