

Marking-, Bending Machines,
Nipple Inserter, Pin Prick,
Skiving Machines



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Marking-, Bending Machines, Nipple Inserter, Pin Prick, and Skiving Machines



Universal

- For all types of hoses and fittings



Ecoline

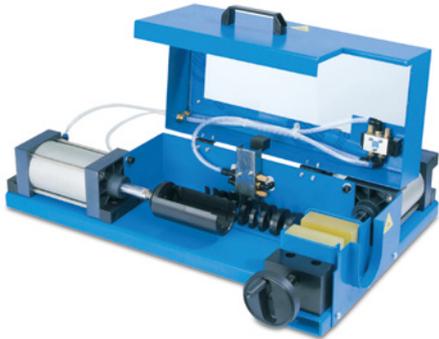
- Value driven solution for less frequent use



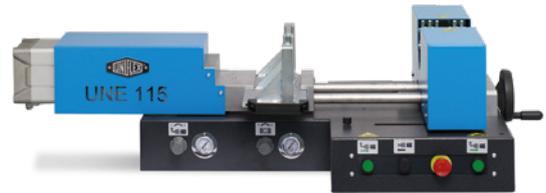
Simultaneous Internal & External Skiving

- Simultaneous internal and external skiving in one operation

The UNE 10 and UNE 115 are high-performance tools for production and the workshop. These machines now permit fittings up to 3" to be inserted or extracted. Due to its innovative rapid tool sled, the insertion of 90 degree, 45 degree or straight fittings without changing tools is now simple and quick with the UNE 115.



UNE 10



UNE 115

Technical Data	UNE 10	Technical Data	UNE 115
Max. nipple insertion (OD fitting, straight or elbow)	< 2*	Working range	< 3*
Force	5.1 kN (6 bar)	Pistonsub	200 mm
Piston stroke	100 mm	Hose max. outside	Ø 120 mm
L x W x H (mm)	600 x 810 x 310	Compressed air connection	8 bar
Weight	35 kg	Insertion force	8 kN (8 bar)
Pneumatic air supply	7 bar/100 psi	Clamping force	8 kN (8 bar)
		Control	Foot pedal and two-hand release
		L x W x H (mm)	625 x 1,185 x 320
		Weight	100 kg
		Pneumatic air supply	7 bar/100 psi

* According to the manufacturer.

Description



Preloading Safety control coupled to foot pedal.



Secure clamping unit.



Axially adjustable clamping unit - prevents bending of small hose dimensions.



Use of marked hoses improves safety. The UIM 10 is a low-cost insert marking tool for up to 2" hoses. The marking can be repeated exactly. In order to assure skiving of the proper length or that the fitting is inserted properly. You can mark up to 700 hoses in an hour. This means you can manually mark hoses three times faster with a lot more precision.



UIM 10

Technical Data	UIM 10
Working range	2" (up to DN50)
Marking depth	10 - 150 mm
Production time max.	700/h
Air pressure	5 bar (72.5 PSI)
L x W x H	330 x 190 x 313 mm
Weight	4.5 kg

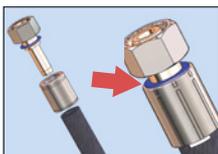


Stamp Pad:	Cartridges:	Solvent:
515.027.4	515.1 White 515.1 Black 515.1 Red 515.1 Yellow 515.1 Blue	515.1 Solvent

Description



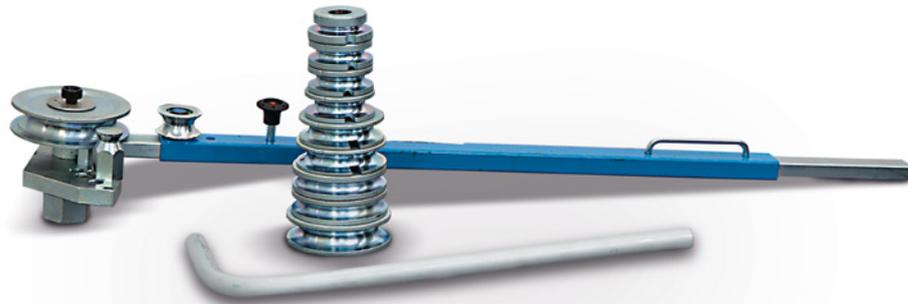
Mark hoses precisely and quickly with the UIM 10.



UNIFLEX insert – marking tool (ferrule position marking increases productivity and improves safety in hose sizes up to 2").

The UBM 6-20 M is a universal bending device for steel pipes up to 20 mm OD. It comes with a set of 9 bending rolls for common applications.

An integrated scale for angle detection helps you to reach the required pipe dimension in only one work step. The telescopic lever keeps the operator's forces low when bending rigid pipes.

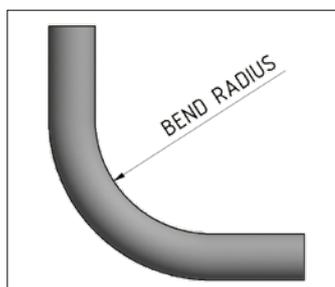


UBM 6-20 M

Technical Data	UBM 6-20 M
Working range	OD Ø 6-20 mm
Bending radius	19-40 mm
Tube wall thickness	2.5 mm (EN 10305)
Drive	manual
L x W x H	870 x 170 x 130 mm
Weight	15 kg

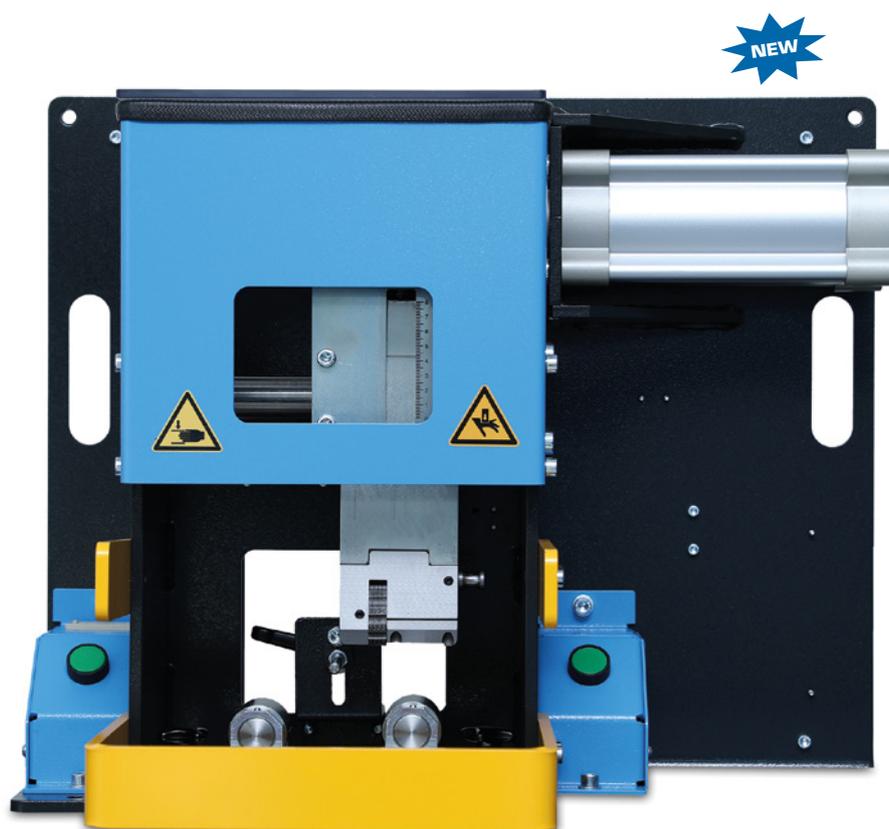
Bendings rolls included	Tube Ø outside (mm)	Bending radius (mm)
121.010.3	6	R19
024.3	8	R19
011.3	10	R21
025.3	12	R21
012.3	14	R22
013.3	15	R28
014.3	16	R30
015.3	18	R35
016.3	20	R40

Description





The UNIFLEX marking tool UP 10 Ecoline/UP 15 has a compact table construction. The European safety regulations DIN20066-2012-10, EN853, 854, 856, 857 stipulate that hose lines have to be marked indelibly with the manufacturer code, the assembling date and the max. pressure, e.g., XX_YY/MM_330 bar. This embossing will also allow you to indicate who produced the hose line and when. This is helpful information in the case of warranty claim. The new and compact UNIFLEX marking tool UP 10 Ecoline is a precise and easy-to-handle tool. The robust technology and low maintenance make it a perfect machine for mobile operations or workshops.



UP 15 P



UP 10 Ecoline



UP 15



UP 10 Ecoline



UP 15 / UP 15 Ecoline



UP 15 P

Technical Data	UP 10 Ecoline	UP 15 / UP 15 Ecoline	UP 15 P NEW
Marking area	Ø 12 - 80 mm	Ø 11.5 - 90 mm	Ø 11.5 - 90 mm
Marking depth	~ 0.5 mm	~ 0.5 mm	~ 0.5 mm
Insertable steel type	25 pieces	26 pieces*	26 pieces*
Drive	Manual	Manual	Pneumatic 7 Bar (100 psi)
L x W x H	285 x 265 x 410 mm	272 x 200 x 750 mm	600 x 454 x 500 mm
Weight	10 kg	28 kg	80 kg

Marking depth depends on the adjustment of the marking roll.

* Depending on the type holder.

** Not for 1 piece fitting.

UP 10 Package:
UP 10 Ecoline + UPTS 10

UP 15 Package:
UP15 mit 508.1003.3
UPTS 100

UP 15 Ecoline Package:
UP15 mit 508.1002.3
UPTS 100

UP 15 PBHC Package:
UP 15 + UPTS 100
506.050.3
506.080

UP 10 Ecoline Package:

UPTS 10

Marking Type Set

Letters: 1 x A, B, I, N, R, S, /, 2 x P, 10 x space,
4 x letter of own choice
4 mm high/2.5 mm width

Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
wild character 1 x 504.033.4 (5-fold) +
504.034.4 (10-fold)

Neutral: Brush, Tweezers, Mirror

UP 15 Package:

UPTS 100

Marking Type Set

Letters: 1 x A, B, I, N, R, S, /, 2x P, 10x space,
4x letter of own choice
3 mm high/2 mm width

Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0

Neutral: Brush, Tweezers, Mirror

Description



504.003
Additional type holder for UP 10 Ecoline. Simple change between different markings. 25 types.



508.1003.3 (10 types in one row)
508.1001.3 (17 types distributed on 2 rows)



508.7001
Counter for UP 15



508.1002.3 (26 types, 13 each row)

POP-LOCK Workshop (Hose retention system)



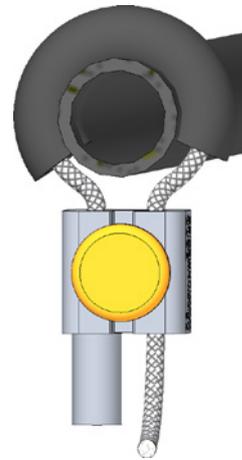
POP-LOCK Workshop „hose retention system“ and Pop-Lock Kit for mobile application.

Hose assemblies must be designed in such a way that in case of failure, hazards caused by whipping of the hose assembly can be avoided with suitable protective measures.

UNIFLEX offers with the POP-LOCK Workshop „hose retention system“ a solution that meets the requirements of various standards and regulations. The system is designed so that it can be used in three sizes for all common nominal diameters and different lengths. The Pop-Lock system offers special advantages for mobile use, it is easy to install, easily recognizable by the color differences. Can be installed even without disassembling the already installed hose assembly and easy assembled with standard tools.



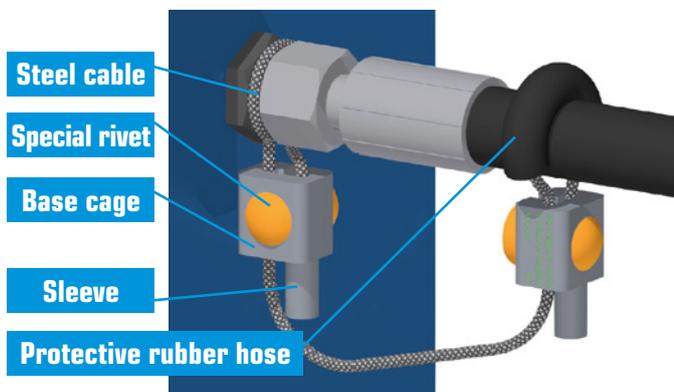
- Steel cable coil
50 meters
1500.082 Ø3
1500.083 Ø4
1500.084 Ø5
- Base cage
100 pieces
1500.100 Ø3
1500.101 Ø4
1500.102 Ø5
- Sleeve
100 pieces
1500.103 Ø3
1500.104 Ø4
1500.105 Ø5
- Special rivet
100 pieces
1500.106
- Protective rubber
hose
100 pieces
1500.107



POP-Lock Refill-Kit

- 1500.1019 for POP-LOCK DN5-16 (50 sets)
- 1500.1020 for POP-LOCK DN20-32 (50 sets)
- 1500.1021 for POP-LOCK DN40-50 (50 sets)

Component assembling overview



Other advantages:

- Stainless steel
- UV resistant, as completely metallic
- Oil and dirt resistant
- Secured against slipping by a blind rivet

Ready-to-Go KIT

- POP-LOCK KIT Ø3-500
- POP-LOCK KIT Ø4-750
- POP-LOCK KIT Ø5-1000

Include: Steel cable crimped on both sides with sleeves,
2x Protective rubber hose, 2x base cage and 2x rivet



Tools

- POP-LOCK Tool-Kit 1500.1022
- 777.917 Rivet gun (1 piece)
- 777.918 Wire rope cutter (1 piece)
- 777.902 Single hook (1 piece)
- 777.903 Double hook (2 pieces)
- 778.007 Cut protection gloves





The use of gas hoses (e.g., compressed air, nitrate, etc.) requires perforating the outer layer. With low effort, the PR 10, PR 12, and PR 14 make perforating the outer layer of hoses easy. The established UNIFLEX quality gives you a precision tool to work with hoses up to an outer diameter of 100 mm.



PR 10



PR 12



PR 14

Technical Data	PR 10	PR 12	PR 14
Working range	Ø 8 - 45 mm	Ø 8 - 55 mm	Ø 30 - 100 mm
Pin-Prick Wheels	4	3	6
L x W x H (mm)	290 x 150 x 330	270 x 200 x 400	400 x 265 x 565
Weight	~ 8 kg	~ 22 kg	~ 58 kg

Pin Prick Dies:

Use your crimper to perforate hose lines.



Machine	PR PB	Hose Ø (0 - max. OD)	PR PB Intermediate die set
SC 6	PR PB 266 P	0 - 43 mm	./.
SC 6 ECOLINE	PR PB 266 P	0 - 45 mm	./.
HM290	PR PB 232 F	0 - 68 mm	./.
HM502	PR PB 232 F	0 - 70 mm	554.232 L
S8/S10	PR PB 237 G	0 - 45 mm	./.
S8 XL / S10 XL	PR PB 237 G	0 - 61 mm	./.
HM 325	PR PB 237 G	0 - 70 mm	./.
HM 375	PR PB 237 G	0 - 70 mm	./.
HM 380	PR PB 237 G	0 - 70 mm	./.
HM 400	PR PB 554 H	0 - 130 mm	./.
HM 420	PR PB 237 G	0 - 50 mm	245.237L
HM 480	PR PB 237 G	0 - 150 mm	245.237 L
HM 485	PR PB 237 G	0 - 130 mm	245.237 L
HM 660	PR PB 237 G	0 - 120 mm	246.237 L
HM 1200	PR PB 237 G	0 - 120 mm	246.237 L
HM 665	PR PB 237 G	0 - 120 mm	298.237 L

Description



Constant prick depth



Side view



Prick Wheels

Double Prick Wheels

- Straight perforation
- No twisting of hoses

Adjustments

- Perfect hose guidance and centration
- Optimal adjustment of hose dimensions

Compact construction

- With minimum space requirements
- Mobile usage possible



With the USM 2 and USM 10, you make the optimal hose preparation for the fitting assembly. The machines are characterized by user-friendly operation, and the convenient foot switch for USM 10 control during the skiving process. The USM 2 and USM 10 skive internally from 5/8" to 2" and externally from 3/16" to 2".

The USM 10 S skiving machine has the fastest change-over time due to preset tools and simple locking pins. The USM 10 S skives internally from 5/8" up to 2" and externally from 3/16" to 2" dies, making the system the perfect solution.



USM 10 S
With TU Table and tooling storage (USM 10 S TU package).



USM 2



USM 10



USM 2



USM 10 Ecoline

USM 10

USM 10 S

Technical Data	USM 2	USM 10 Ecoline	USM 10	USM 10 S
Internal skiving	5/8" – 2"	5/8" – 2"	5/8" – 2"	5/8" – 2"
External skiving	3/16" – 2"	3/16" – 2"	3/16" – 2"	3/16" – 2"
Drive	Manual	0.37 kW (1~)	0.37 kW (3~)	0.37 kW (3~)
Type of application	Mobil	Workshop	Workshop	Workshop
Noise level	-	60 dBA	60 dBA	60 dBA
L x W x H (mm)	338 x 465 x 445	440 x 440 x 545	440 x 440 x 545	440 x 440 x 545
Weight	28 kg	50 kg	50 kg	51.5 kg
Tool revolution	-	110 rpm	110 rpm	110 rpm
Options				
Bench	✓	✓	✓	✓
SSG	✓	✓	✓	✓

Packages

USM 2	+ External skiving mandrel (PJ_EXB 250- DN 05, 06, 08, 10, 12, 16, 19, 25, 31,38, 51) + Internal skiving tool (UIS.2 DN 16, 19, 25, 31, 38, 51)
USM 10 ecoline/USM 10	+ External skiving mandrel (PJ_EXB 250- 05, 06, 08, 10, 12, 16, 19, 25, 31,38, 51) + Internal skiving tool (UIS.2 DN 16, 19, 25, 31, 38, 51)
USM 10 S	with preset tools for fast and easy tool change with 11 external skiving tools (UES.3 - 05, 06, 08, 10, 12, 16, 19, 25, 31, 38, 51) + 313.1 (Set mit 6 Dornen - UIS.3- 16, 19, 25, 31, 38, 51) + tool rack (PJ_RKSTLS)
USM 10 S TU	+ TU same as USM 10 S package, additional: Machine and tool rack mounted on the UNIFLEX table TU

Description



Easy exchange of skiving tool using a locking pin on USM 10 S.



Skiving mandrels are manually adjustable.



Safety switch for riskless operation.



Easy adjustment of the skiving tool.



Blade adjustments for skiving depth need only to be made once for each hose dimension on the USM 10 S.



1 tool on the USM 10 Ecoline for all dimensions.



Internal and external skiving - efficient and clean!

The USM 100, USM 125 and USM 150 are machines that prepare hoses for assembly, and skiving can be done both internally and externally simultaneously. The USM 125 and USM 150 are stable machines for skiving up to 4" and 5" hydraulic and industrial hoses.



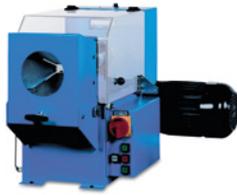
USM 150



USM 125



USM 100



USM 100



USM 125



USM 150

Technical Data	USM 100	USM 125	USM 150
Internal skiving	3/4" – 2 1/2"	5/8" – 4"	2" – 5"
External skiving	1/4" – 2"	5/8" – 4"	2" – 5"
Drive	1.2/1.8 kW (3~VAC)	3.3 kW (3~VAC), 7 Bar (100 psi)	4.4 kW (3~VAC), 7 bar (100 psi)
Type of application	Production	Production	Production
Noise level	60 dBA	< 70 dBA	60 dBA
L x W x H (mm)	780 x 620 x 550	1,600 x 570 x 1,600	2,545 x 810 x 1,500
Weight	70 kg	450 kg	700 kg
Tool revolution	392 rpm/592 rpm	94 rpm	94 rpm
Accessories			
SSG	Standard	✓	✓
TU Table	✓	-	-

USM 100	
Internal Skiving	UIT 20, UIT 25, UIT 32, UIT 40, UIT 50, UIT 12, UIT 60
External Skiving	UOP 06, UOP 08, UOP 10, UOP 12, UOP 16, UOP 20, UOP 25, UOP 32, UOP 40, UOP 50
External skiving tools	UOT 06 – 50, UOT 60

USM 125	
Internal Skiving	UIS 125.2 – DN 16, DN 19, DN 25, DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100
External Skiving	UES 125.2 – DN 16, DN 19, DN 25, DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100

USM 150	
Internal Skiving	UIS 150 – DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100, DN 125
External Skiving	UES 150 – DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100, DN 125

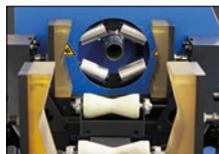
Description



The SSG slitting tool shortens skiving chips up to 2".



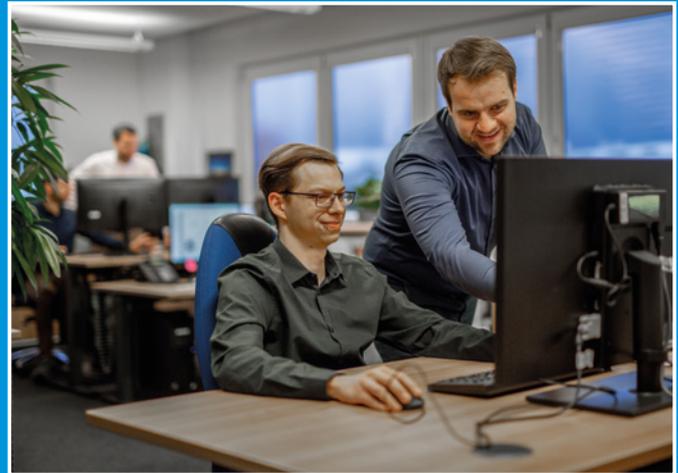
Double skiving tool with hose.



Clamping and guiding unit with wheels for up to 5"-hoses.

Besides the innovative products, the consultations, solutions and service are convincing.

Our consistently high expectations require a high level of reliability and quality. Based on our certification according to DIN ISO 9001 in June 2008, we are committed to not only take all measures required to maintain the high standard of UNIFLEX, but also to continue to improve them.



Key aspects of UNIFLEX's high standards:

Variability

The UNIFLEX hose crimpers are based on a modular design. As a result, the most diverse variants can be produced for nearly all requirements and desired applications. Market observations and customer demand analyses determine the development of new modules and models.

Reliability

UNIFLEX hose crimpers are designed for years and years of functionality. Precision and quality of all products are setting the standards – on an international basis. Documented feedback from customers makes it possible to design and implement optimizations for operations and availability.

Innovation

Based on dialogue with customers, UNIFLEX is consistently improving existing products – from practice for practice. The needs of the market, innovative technical possibilities and extensive basic in-house research are continuously incorporated into new, pioneering developments in the field of hose processing.

Service

At UNIFLEX, 50 years of knowledge and experience are forever being refined and passed on to customers. The UNIFLEX team excels in personal product guidance and customer service and provides qualified services, including training measures, logistics, test presentations and demonstrations. This enables users of UNIFLEX hydraulic crimpers to concentrate on their key business – the production of hose assemblies with the best machines available on the market.

User Orientation

Constant interactions with customers offer the possibility of using practical experience as to handling and operation, safety and ergonomics in the development of series.

