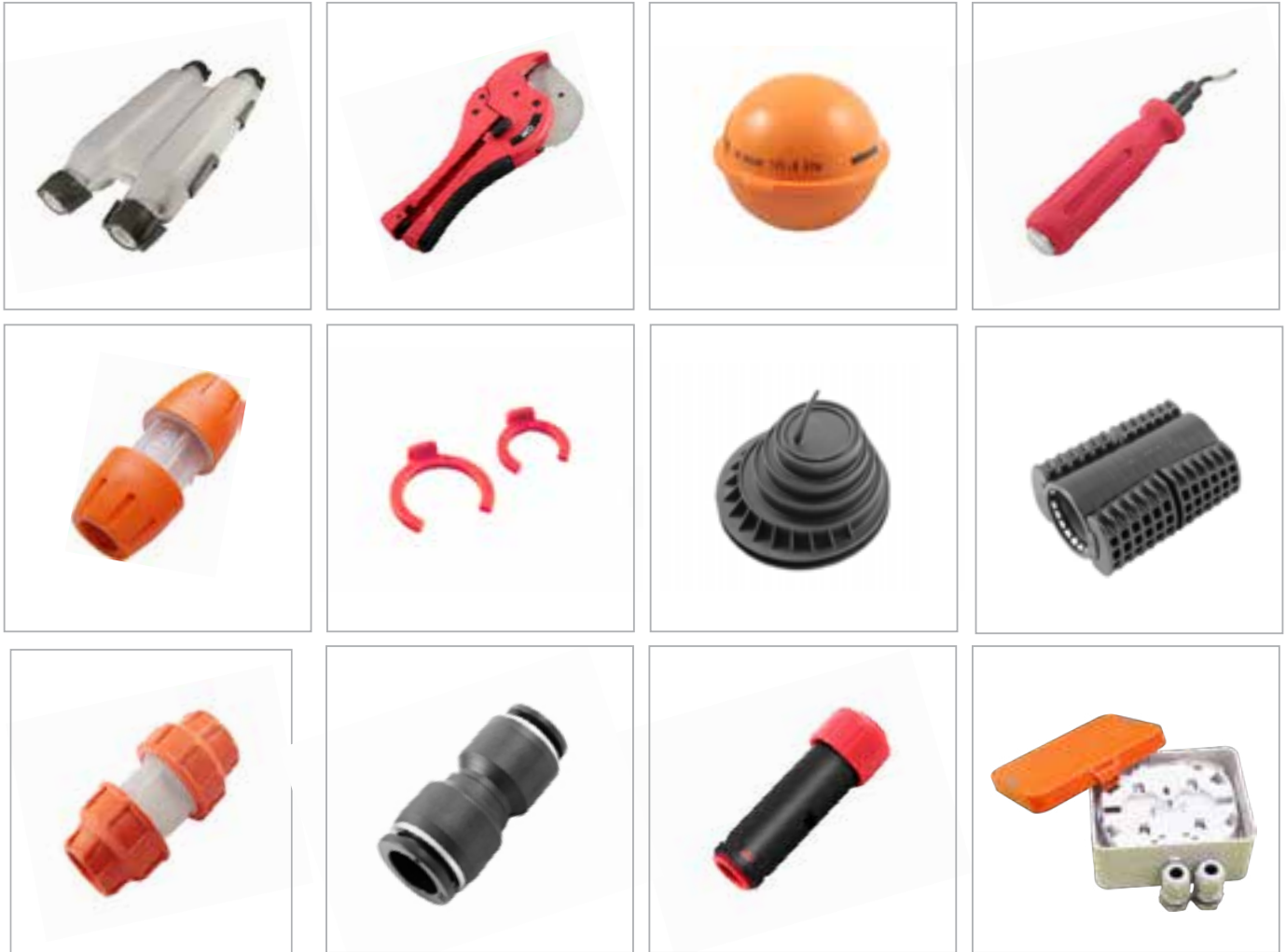


JAPI
TRADING



FTTH Accessories

Product Catalog



TECHNICAL
DATA SHEETS



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Introduction

Fiberpowertech provides a broad range of accessories for fiber network installation and maintenance. Ranging from machines for installation of fiber cable to duct scissors and connectors. In this catalogue you'll find a wide variety of connectors, connector boxes, manhole acc. and tools.

CONNECTORS

When working with products from GM Plast, you need the right kind of accessories.

Fiberpowertech provides a wide range of Connectors for assembling and terminating ducts and pipes, when working with products such as GM Flatliner, GM Multiduct and GM MultiSub.



All Fiberpowertech connectors are thoroughly tested and have been approved for use with products from GM Plast.

ADDITIONAL FEATURES:

- PUSH-FIT DESIGN
- ANIT-SHOCK COVER

CONNECTOR BOXES

Fiberpowertech supplies a wide range of accessories for working with GM Cable Ducts.

Branching off, connecting and port reducing can all be done with the available accessories from Fiberpowertech.

Made from sturdy and high quality long-lasting materials, all accessories are reliable and proven products that are specifically made for use with GM Cable Ducts. Years of experience have told us exactly what works in the field when working with ducts and pipes every day.

CONNECTOR BOXES:

- STRAIGHT CONNECTORS
- Y-CONNECTORS
- T-CONNECTORS
- H-CONNECTORS

MANHOLES

Manholes are a key component in any FTTx network. They allow you to easily and quickly access your network in the ground.

Fiberpowertech Manholes are made from a tough and very durable polycarbonate material, ideal for putting into the ground. All manholes are highly customizable and can be fitted with exactly the configuration you need for your network.

Available in a wide range of sizes and models.

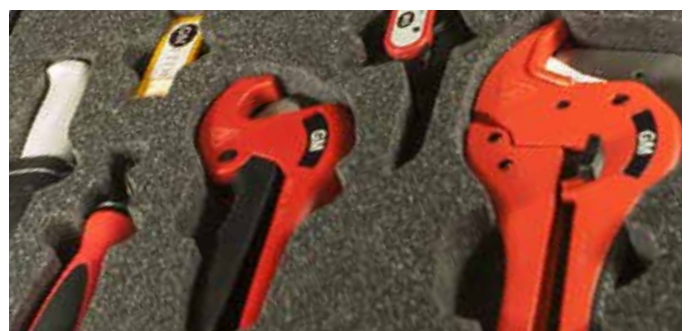


TOOLS

When building and maintaining your FTTx network, you need the right tools for the job.

Working in the field will stress and corrode your tools. By using only the most durable of materials and keeping the tools simple and easy to use, Fiberpowertech can supply you with a selection of the best tools for the job. We have spent years figuring out exactly what tools will get the job done, while also keeping expenses at a minimum.

Fiberpowertech supplies all the tools you need, for handling FTTx networks.



ACCESSORIES

No two FTTx networks are completely alike. Therefore you need the option to customize your network and your manholes, street cabinets and other components to exactly fit your specific network.

Fiberpowertech supplies a wide range of accessories for use with our products.

We frequently expand and widen our selection of available accessories.



(Wall-Duct Seal)

OUR EXPERIENCE

Fiberpowertech has been dealing with FTTx accessories for the past 15 years, primarily for the FTTH market. We have been around the block (and underneath) many times.

We have been pushing, dragging, blowing, floating, connecting and branching off in every way imaginable since the 1990's. Fiberpowertech did a lot of pioneering and a lot of teaching, on how to install cable with air and water and using the correct accessories for the job through which we've gained vast experience in the field.



We produced the first micro blowing machine in 2000 and our first MultiSub Duct blowing machine in 2003.

To get the best results, Fiberpowertech worked with several of the leading cable producers, to change the outer sheet and memory effects of the standard duct cable (1996-1998).

Since 2001, Fiberpowertech has been constantly developing and improving micro cables.

In this catalogue we are summing up many years of our experiences. With us as a partners in your project you are sure to work with the best.

Ask us for an suggestions to get the job done, and if you like our ideas we would be glad to offer you the right material for the job that you want to have done.



CONNECTORS FOR MICRODUCTS

FPT Connector (direct buried)



Size	Art.Nr.	MOQ
7 mm	28-FPTC007	80
8 mm	28-FPTC008	70
10 mm	28-FPTC010	40
12 mm	28-FPTC012	30
14 mm	28-FPTC014	20
16 mm	28-FPTC016	15
20 mm	28-FPTC020	10

- Non-metallic
- Non-corrosive
- Fits all DIN-normed duct sizes

PUSH -FIT design for quick and easy installation and disassembly.

FPT connectors are resistant to pressures used for blowing cables through microducts and provide protection from dirt and water.

FPT End Connector (direct buried)



Size	Art.Nr.	MOQ
7 mm	28-FPTE007	160
8 mm	28-FPTE008	140
10 mm	28-FPTE010	80
12 mm	28-FPTE012	60
14 mm	28-FPTE014	50
16 mm	28-FPTE016	30
20 mm	28-FPTE020	20

Performance :

- Temperature
 - Minimum working temperature : -15 °C
 - Maximum working temperature : +45 °C
- Pressure
 - Continuous working pressure : 16 bar
 - Peak working pressure : 20 bar
 - Burst pressure : >25 bar
- All connectors withstand 1,35 bar external water pressure
- Grip rings designed for PE >0,965 Density
- FPT connectors resist pull out forces between connector and the microduct :
 - Continuous pull-out (1h, 23°C)
 - 7 mm - > 300 N
 - 8 mm - > 350 N
 - 10 mm - > 450 N
 - 12 mm - > 500 N
 - 14 mm - > 900 N
 - 16 mm - > 950 N
 - 20 mm - > 1000 N

CONNECTORS FOR MICRODUCTS

Connector



Size(mm.)	Art.Nr.	MOQ
7	28-TFP007	100
8	28-TFP008	100
10	28-TFP010	100
12	28-TFP012	100
14	28-TFP014	50
16	28-TFP016	50
20	28-TFP020	20

End Connector



Size(mm.)	Art.Nr.	MOQ
7	28-TFPE007	100
8	28-TFPE008	100
10	28-TFPE010	100
12	28-TFPE012	100
14	28-TFPE014	50
16	28-TFPE016	50
20	28-TFPE020	50

ANTI - SHOCK design for higher resistance and durability.

Anti Shock Cover available in order to prevent damages. It's special design allows inspection of cable also after installation.

Cover



Size(mm.)	Art.Nr.	MOQ
7	28-TFPC07	100
10	28-TFPC010	100
12	28-TFPC012	100
14	28-TFPC014	50
16	28-TFPC016	50
20	28-TFPC020	50

Performance :

- Temperature
Minimum working temperature : -20 °C
Maximum working temperature : +50 °C
- Pressure
Continuous working pressure : 16 bar
Peak working pressure : 25 bar
Burst pressure : >45 bar

CONNECTORS FOR MICRODUCTS

Straight Connector



Size(mm.)	Art.Nr.	MOQ
3	28-T003	100
5	28-T005	100
6	28-T006	100
7	28-T007	100
8	28-T008	100
10	28-T010	100
12	28-T012	50
14	28-T014	50
16	28-T016	50

Reducing Connector



Size(mm.)	Art.Nr.	MOQ
6/5	28-TR006/005	100
7/5	28-TR007/005	100
8/5	28-TR008/005	100
8/7	28-TR008/007	100
10/7	28-TR010/007	50
10/8	28-TR010/008	50
12/7	28-TR012/007	50
12/8	28-TR012/008	50
12/10	28-TR012/010	50
14/10	28-TR014/010	25
14/12	28-TR014/012	25
16/10	28-TR016/010	25
16/12	28-TR016/012	25
16/14	28-TR016/014	25

End Connector



Size(mm.)	Art.Nr.	MOQ
5	28-TE005	100
6	28-TE006	100
7	28-TE007	100
8	28-TE008	100
10	28-TE010	100
12	28-TE012	50
14	28-TE014	50
16	28-TE016	50

Straight Connector



Size(mm.)	Art.Nr.	MOQ
18	28-J018/PM	25
20	28-J020/PM	25

End Connector



Size(mm.)	Art.Nr.	MOQ
20/7-10	50-063038B	1

End Connector



Size(mm.)	Art.Nr.	MOQ
20	28-J020/EW	25

CONNECTORS FOR MICRODUCTS

Split End Connector Gas & Waterproof, up to 0.50 Bar



Size (mm.)	Art.Nr.	MOQ
10 / 2,5-3,5	28-F010/2,5-3,5	10
10 / 3,5-5,0	28-F010/3,5-5,0	10
10 / 5,0-6,5	28-F010/5,0-6,5	10
10 / 6,5-8,0	28-F010/6,5-8,0	10
12 / 2,5-3,5	28-F012/2,5-3,5	10
12 / 3,5-5,0	28-F012/3,5-5,0	10
12 / 5,0-6,5	28-F012/5,0-6,5	10
12 / 6,5-8,0	28-F012/6,5-8,0	10
12 / 7,0-8,5	28-F012/7,0-8,5	10
14 / 5,8-8,0	28-F014/5,8-8,0	10
14 / 8,0-10,0	28-F014/8,0-10,0	10
16 / 5,8-8,0	28-F016/5,8-8,0	10
16 / 8,0-10,0	28-F016/8,0-10,0	10
18 / 9,4-12,0	28-F018/8,0-10,0	10
20 / 5,5-8,0	28-F020/5,5-8,0	10
20 / 9,4-12,0	28-F020/9,4-12,0	10
20 / 7,0-9,5	28-F020/7,0-9,5	UD*
20 / 5,5-7,2	28-F020/5,5-7,2	UD*
20 / 5,5-8,0	28-F020/5,5-8,0	10

Other sizes and configurations available upon request
*Under development

Split End Connector HDPE Gas & Waterproof, up to 0.25 Bar



Size (mm.)	Art.Nr.	MOQ
32/3x10	28-F032/3x10	10
40/10x7	28-F040/10x7	10
40/4x12	28-F040/4x12	10
40/5x10	28-F040/5x10	10
40/3x14	28-F040/3x14	10
50/7x10	28-F050/7x10	10
50/7x12	28-F050/7x12	10
50/10x7+1x12	28-F050/10x7+1x12	10
50/18x7	28-F050/18x7	10
63/24x7+1x14	28-F063/24x7+1x14	10

Other sizes and configurations available upon request

Microduct Seal Gas & Waterproof, up to 0.25 Bar



Size(mm.)	Art.Nr.	MOQ
7 / 1,25	28-F007/1,25	10
7 / 2,5	28-F007/2,5	10

Gas Connector



Size(mm.)	Art.Nr.	MOQ
14/5-7		25

Double Sealed Gas Connector (Outdoor)



Size(mm.)	Art.Nr.	MOQ
12/3-6	28-e012/3/6/GBWB	25

Gas Connector



Size(mm.)	Art.Nr.	MOQ
12 /3-6	28-e012/GBWB 3-6	25
12 /5-8	28-e012/GBWB 5-8	25
14 /3-6	28-e014/GBWB 3-6	25
14 /5-8	28-e014/GBWB 8-6	25

CONNECTORS FOR MICRODUCTS

Cable End Connector



Size(mm.)	Art.Nr.	MOQ
5	28-EE05/0,5-3,5	25
6	28-EE06/2,0-5,0	25
7	28-EE07/2,0-5,0	25
8	28-EE08/2,0-6,0	25
10	28-EE10/1,0-4,0	25
10	28-EE10/4,0-8,0	25
12	28-EE12/3,0-6,0	25
12	28-EE12/5,0-8,0	25
12	28-EE12/7,0-10,0	25
14	28-EE14/3,0-6,0	25
14	28-EE14/5,0-8,0	25
14	28-EE14/7,0-10,0	25
14	28-EE14/9,0-12,0	25
16	28-EE16/3,0-6,0	25
16	28-EE16/5,0-8,0	25
16	28-EE16/7,0-10,0	25
20	28-EE20/5,0-8,0	25
20	28-EE20/7,0-10,0	25
20	28-EE20/9,0-12,0	25

Locking Clips



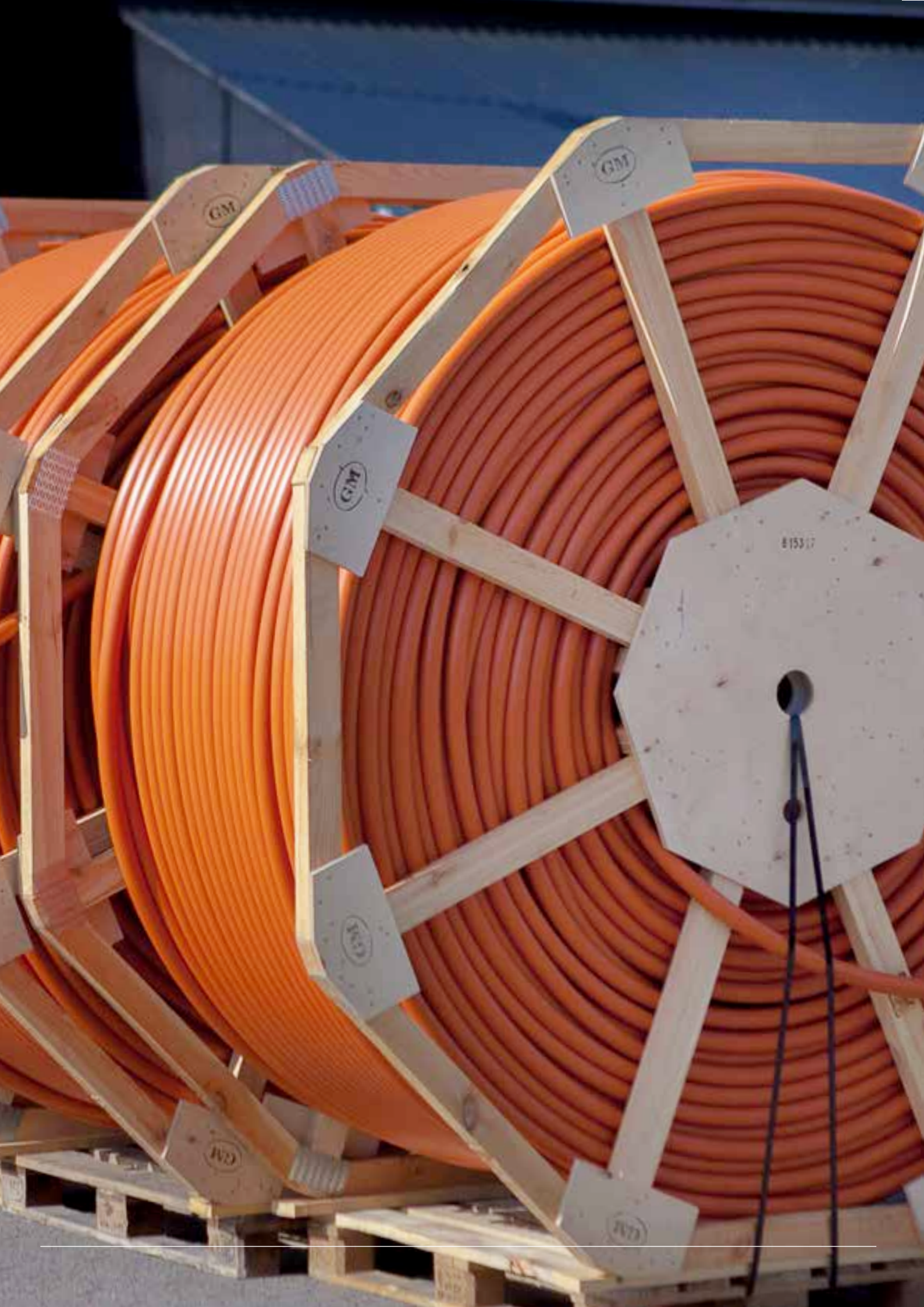
Size(mm.)	Art.Nr.	MOQ
5	28-TL05	100
6 - 7	28-TL06-07	100
8	28-TL08	100
10	28-TL010	100
12	28-TL012	100
14	28-TL014	100
16	28-TL016	100

Locking Clips for Connector 28-TFP, End Connector 28-TFPE

Endcap



Size (mm.)	Art.Nr.	MOQ
5	34-DN005	10
7	34-DN007	10
8	34-DN008	10
10	34-DN010	10
12	34-DN012	10
14	34-DN014	10
16	34-DN016	10
18	34-DN018	10
20	34-DN020	10
25	34-DN025	10
32	34-DN032	10
40	34-DN040	10
50	34-DN050	10
63	34-DN063	10



CONNECTORS FOR TELEDUCTS

Reducing Connector



Size(mm.)	Art.Nr.	MOQ
20-16	35-20x16	50
25-20	35-25x20	35
32-20	35-32x20	54
32-25	35-32x25	48
40-25	35-40x25	30
40-32	35-40x32	22
50-25	35-50x25	18
50-32	35-50x32	25
50-40	35-50x40	24
63-32	35-63x32	15
63-40	35-63x40	15
63-50	35-63x50	12

Straight Connector



Size(mm.)	Art.Nr.	MOQ
16	35-16x16t	75
20	35-20x20t	90
25	35-25x25t	60
32	35-32x32t	36
40	35-40x40t	36
50	35-50x50t	18
63	35-63x63t	1
75	35-75x75t	1

Endstop



Size(mm.)	Art.Nr.	MOQ
16	35-16x16s	75
20	35-20x20s	90
25	35-25x25s	60
32	35-32x32s	36
40	35-40x40s	36
50	35-50x50s	18

Straight Connector (Brass)



Size(mm.)	Art.Nr.	MOQ
16	35-16x16M	75
20	35-20x20M	90
25	35-25x25M	60
32	35-32x32M	36
40	35-40x40M	36
50	35-50x50M	18

Comfit Connector



Size(mm.)	Art.Nr.	MOQ
32	31-40032M0032	70
40	31-40040M0040	60
50	31-40050M0050	33

Hawle Connector



Size(mm.)	Art.Nr.	MOQ
32	33-DN032	48
40	33-DN040	48
50	33-DN050	40

Spade for Hawle Connector, 2pc set



Size(mm.)	Art.Nr.	MOQ
32	79-041.071	1
40	79-041.072	1
50	79-041.073	1

CONNECTORS FOR TELEDUCTS

Connector Box



Size(mm.)	Art.Nr.	MOQ
2x40mm	28-FPB 2x40mm	1

Connector



Size(mm.)	Art.Nr.	MOQ
32/32/32 T	28-e32/32/32 T	1
40/40/40 T	28-e40/40/40 T	1
50/50/50 T	28-e50/50/50 T	1

Connector Box



Size(mm.)	Art.Nr.	MOQ
4 x 50	28-e50/50/50/50	1

Connector Box



Size(mm.)	Art.Nr.	MOQ
4x40mm	28-FPB 4x40mm	1

Connector



Size(mm.)	Art.Nr.	MOQ
25/25/25 Y	28-e25/25/25 Y	1
32/32/32 Y	28-e32/32/32 Y	1
40/40/40 Y	28-e40/40/40 Y	1
50/50/50 Y	28-e50/50/50 Y	1

Connector Box



Size(mm.)	Art.Nr.	MOQ
2 x 50	28-e50/50 CB L	1

CONNECTORS FOR TELEDUCTS

Repairing Connector



Size(mm.)	Art.Nr.	MOQ
32	33-EBM032	12
40	33-EBM040	12
50	33-EBM050	12

Repairing Ducts, 2 mtr. splittable



Size(mm.)	Art.Nr.	MOQ
32	33-EBMR32	1
40	33-EBMR40	1
50	33-EBMR50	1

Tool for repairing Ducts



Size(mm.)	Art.Nr.	MOQ
32	33-EBMV32	1
40	33-EBMV40	1
50	33-EBMV50	1

ACCESSORIES FOR MICRO/TELE DUCTS

Port Reducer



Size(mm.)	Art.Nr.	MOQ
50/ 2x20	28e50/20/20r	1

Port Reducer



Size(mm.)	Art.Nr.	MOQ
50-20	28e50/20r	1
50-32	28e50/32r	1
50-40	28e50/40r	1
50-50	28e50/50r	1

Port Minifold



Size/Cable	Art.Nr.	MOQ
50/ 5x10	50-33E5x10	1

Port Maxifold



Size/Cable	Art.Nr.	MOQ
50/ 7x12	28e50/7x12	1

Reifer



Size(mm.)	Art.Nr.	MOQ
32	79-0410.25	1
40	79-0410.30	1
50	79-0410.35	1

Reifer



Size(mm.)	Art.Nr.	MOQ
40	79-040.040	1
50	79-040.050	1

Pull Eye



Size(mm.)	Art.Nr.	MOQ
32	50-10PE118U	1
40	50-12PE142U	1
50	50-12PE173U	1
63	50-20PE228U	1

Branch Off 2 x 12 mm.



Size(mm.)	Art.Nr.	MOQ
2 x 12	28-e50/50 H	1

Branch Off 40 mm.



Size(mm.)	Art.Nr.	MOQ
40	28-e40/40H	1

ACCESSORIES FOR MICRO/TELE DUCTS

Trace Ball



Art.Nr.	MOQ
37-D/OM0019A	1

Splicebox, 1-6 fibers



Size(mm.)	Art.Nr.	MOQ
-	27-001.60	1

Splicebox, 1-36 fibers



Size(mm.)	Art.Nr.	MOQ
-	27-001.62	1

Fiberflex



Size	Art.Nr.	MOQ
25 Meter	28-LEKR54552	1
30 Meter	28-EKR72358	1
50 Meter	28-EKR72359	1

Miniflex



Size(mm.)	Art.Nr.	MOQ
5/3,1	30-BLK 5,0/3,1	1
5/3,3	30-BLK 5,0/3,3	1
8/5,4	30-BLK 8,0/5,4	1
10/6,4	30-BLK 10,0/6,4	1
5/3,1	30-WHT 5,0/3,1	1
5/3,3	30-WHT 5,0/3,3	1
8/5,4	30-WHT 8,0/5,4	1
10/6,4	30-WHT 10,0/6,4	1

GM Wall Duct Seal



Size(mm.)	Art.Nr.	MOQ
-	50-57GM12	1

Plastic Stripes



Size(mm.)	Art.Nr.	MOQ
3,6x200	79.0410.012	100
4,8x360	79.0410.015	100

PCV Tape, 20 meters



Width(mm.)	Art.Nr.	MOQ
19	30-19x20TP	1
38	30-38x20TP	1



MANHOLE AND ACCESSORIES

Manhole (PC)



Size(mm.)	Art.Nr.	MOQ
250 x 250	37-EK 268	1
400 x 400	37-EK 358	1
400 x 650	37-EK 368	1
400 x 800	37-EK 378	1
400 x 1165	37-EK 478	1
400 x 1600	37-EK 628	1
550 x 550	37-EK 288	1
550 x 1165	37-EK 338	1
650 x 650	37-EK 388	1
800 x 800	37-EK 328	1
800 x 1165	37-EK 508	1
800 x 1400	37-EK 428	1
800 x 1600	37-EK 708	1
800 x 1825	37-EK 728	1
800 x 2000	37-EK 738	1
800 x 2200	37-EK 748	1

Manhole Frame (70mm , 220mm)



Size(mm.)	Art.Nr.	MOQ
250 x 250	37-EKR 268	1
400 x 400	37-EKR 358	1
400 x 650	37-EKR 368	1
400 x 800	37-EKR 378	1
400 x 1165	37-EKR 478	1
400 x 1600	37-EKR 628	1
550 x 550	37-EKR 288	1
550 x 1165	37-EKR 338	1
650 x 650	37-EKR 388	1
800 x 800	37-EKR 328	1
800 x 1165	37-EKR 508	1
800 x 1400	37-EKR 428	1
800 x 1600	37-EKR 708	1
800 x 1825	37-EKR 728	1
800 x 2000	37-EKR 738	1
800 x 2200	37-EKR 748	1

Manhole Frame with Cassette (ALU)



Size(mm.)	Art.Nr.	MOQ
250 X 250	37-EK268BK	1
400 X 650	37-EK368BK	1
400 X 800	37-EK378BK	1
400 X 1165	37-EK478BK	1
550 X 550	37-EK288BK	1
550 X 1165	37-EK338BK	1
800 X 800	37-EK328BK	1
800 X 1600	37-EK708BK	1

MANHOLE AND ACCESSORIES

Ø110mm Vagina For Flatliner



Size(mm.)	Art.Nr.	MOQ
110	37-200.112	1

Ø50-160mm Vagina For Micropipes



Size(mm.)	Art.Nr.	MOQ
50	37-200.050	1
110	37-200.110	1
140	37-200.140	1
160	37-200.160	1

Ø110mm Vagina For Micropipes



Size(mm.)	Art.Nr.	MOQ
110	37-200.111	1

Reducer for a Manhole



Size(mm.)	Art.Nr.	MOQ
110/ 2x40	37-ST006100	1

Reducer for a Manhole



Size(mm.)	Art.Nr.	MOQ
110 / 1 x 50	37-ST006300	1

Reducer for a Manhole



Size(mm.)	Art.Nr.	MOQ
110/ 2x50	37-ST006302	1

Covering



Size(mm.)	Art.Nr.	MOQ
50-110	37-200.026	1

Rubber Reducer



Size(mm.)	Art.Nr.	MOQ
50-32	37-100/024	1
50-40	37-100/025	1

MANHOLE AND ACCESSORIES

Key



Art.Nr.	MOQ
37-KEY	1

Hook, 2pc set



Art.Nr.	MOQ
37-100/040	1

Logo Plates



Size(mm.)	Art.Nr.	MOQ
40 x 80	37-311899	50

Manhole (PC)

Art.Nr.	MOQ
37-EK 268 to 748	1



Micro Cutter



Size(mm.)	Art.Nr.	MOQ
0 - 12	79-041.038	1/10

Cutter



Size(mm.)	Art.Nr.	MOQ
2 - 26	79-041.039	1

Pipeplough



Size(mm.)	Art.Nr.	MOQ
20 - 110	79-041.050	1

Knife for Flatliner



Art.Nr.	MOQ
79-041.053	1

Inside Beveler w. Blade

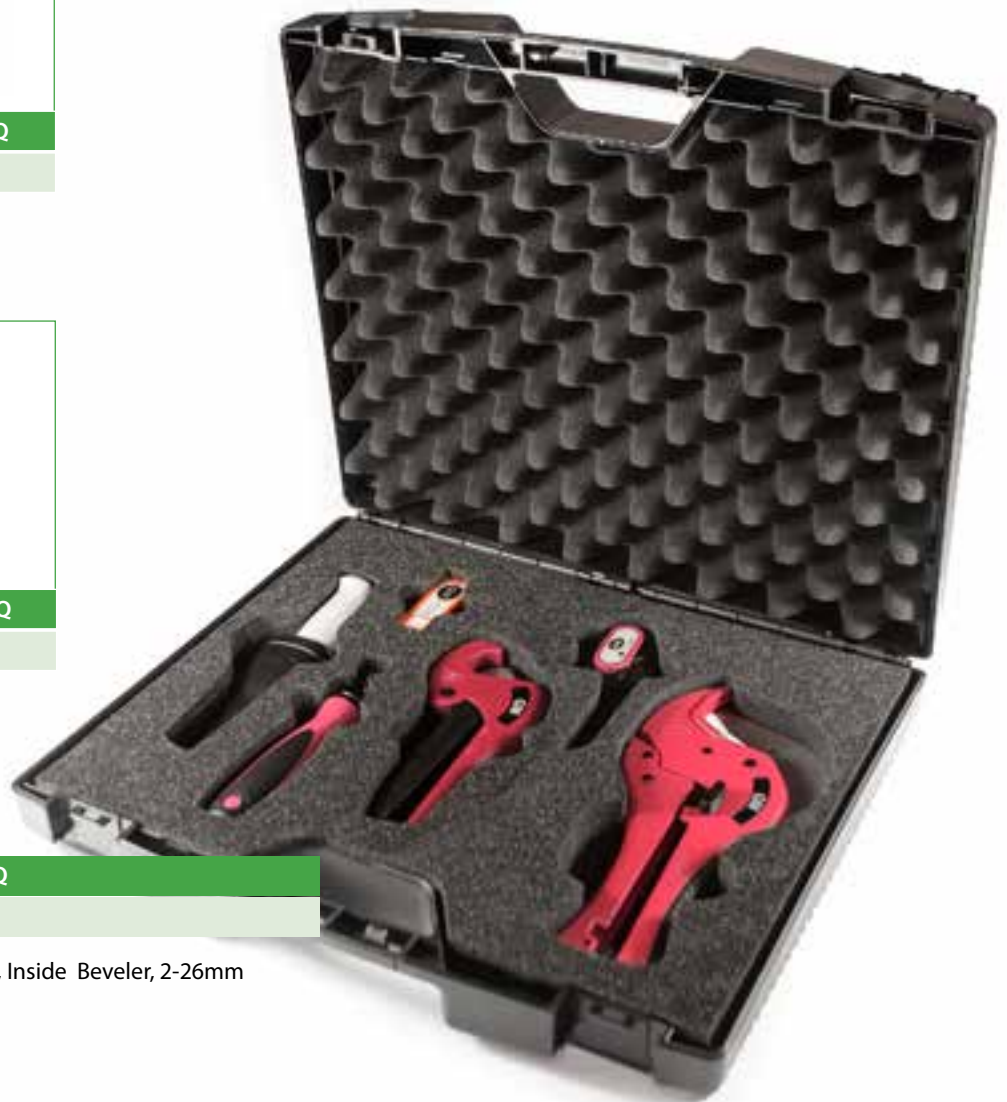


Art.Nr.	MOQ
79-041.037	1

Tools Box

Art.Nr.	MOQ
79-100.001	1

Included : Knife for Flatliner, Micro Cutter, Inside Beveler, 2-26mm Cutter, 32-50mm Cutter, Pipeplough



TOOLS

Pipeplough Spare Parts



Item	Art.Nr.	MOQ
Holder	79-041.052	1
Knife	79-041.051	1

Cutter



Size(mm.)	Art.Nr.	MOQ
32 - 50	79-041.041	1

Cutter Big



Size(mm.)	Art.Nr.	MOQ
50 - 75	79-041.047	1

Blade



Size(mm.)	Art.Nr.	MOQ
32 - 50	79-041.041	1

Cutter



Size(mm.)	Art.Nr.	MOQ
40	79-041.062	1

Rottary Cutter



Size(mm.)	Art.Nr.	MOQ
3 - 14	79-041.038C	1

Chain Cutter



Size(mm.)	Art.Nr.	MOQ
20 - 110	79-7.0285	1

Inside/Outside Beveler



Size(mm.)	Art.Nr.	MOQ
4 - 36	79-041.019	1

Cable Safety Knife with Cap



Size(mm.)	Art.Nr.	MOQ
47mm	79-041.055	1