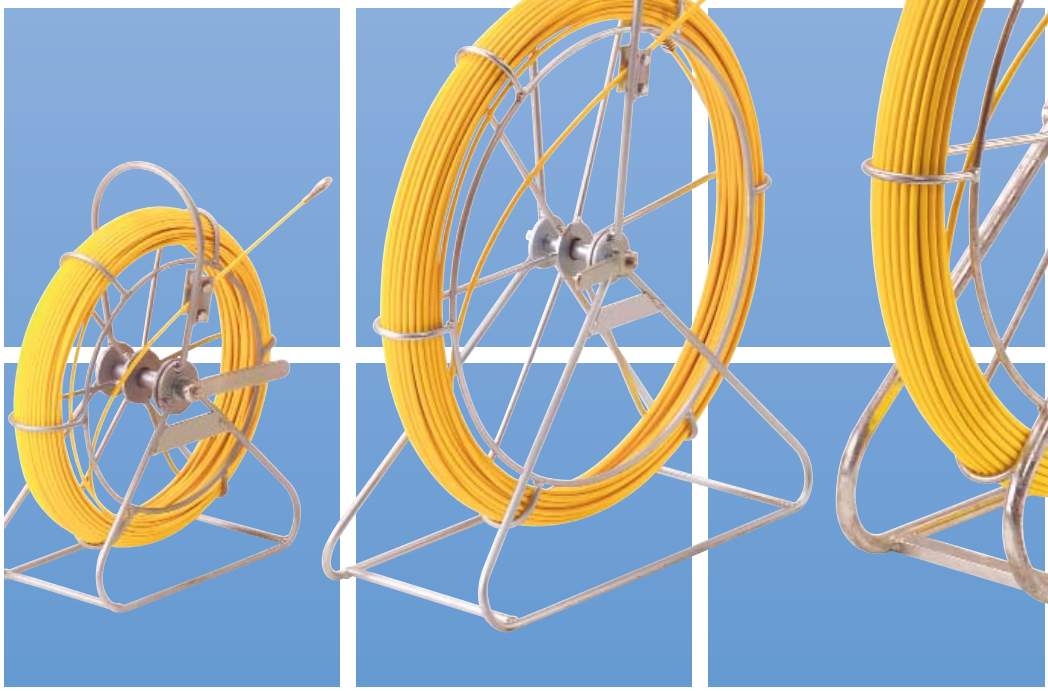
Conduit rods

Duct and cable locating devices



Vetter GmbH
Kabelverlegetechnik

Conduit rods yellow, D 4,5-15,0 mm

Detecting conduit rods red, D 4,5-15 mm

Guide tips, connectors and catching hooks

Guide tips, connectors and catching hooks to conduit rods

Accessory and using parts to conduit rods

Reels only to conduit rods, D 350-1500 mm

Cable and pipe detection equipment

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Conduit rods with reel

Conduit rod, highest quality of reinforced fibre rod with PP-covering. For pushing through conduits and pulling-in of winch ropes or light cables. On galvanized reel with safety brake. Including guide tip of aluminium D 11/M5.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	Reel-D	Duct-ID	kg
211090	RS 4,5-40	4,5/40	11/M5	350 mm	up to 50	3,70
211130	RS 4,5-60	4,5/60	11/M5	350 mm	up to 50	4,30
211170	RS 4,5-80	4,5/80	11/M5	350 mm	up to 50	4,90

Conduit rods with reel

Conduit rod, highest quality of reinforced fibre rod with PP-covering. For pushing through conduits and pulling-in of winch ropes or light cables. On galvanized reel with safety brake. Including guide tip of aluminium D 12/M8.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	Reel-D	Duct-ID	kg
213523	RS 6,5-40	6,5/40	12/M8	600 mm	up to 60	7,10
213563	RS 6,5-60	6,5/60	12/M8	600 mm	up to 60	8,10
213603	RS 6,5-80	6,5/80	12/M8	600 mm	up to 60	9,10

Conduit rods with reel

Conduit rod, highest quality of reinforced fibre rod with PP-covering. For pushing through conduits and pulling-in of winch ropes or light cables. Including guide tip of aluminium D 25/M12 and shackle. On galvanized reel with safety brake.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	Reel-D	Duct-ID	kg
215103	RS 9-40	9,0/40	25/M12 + shackle	800 mm	up to 120	18,10
215163	RS 9-60	9,0/60	25/M12 + shackle	800 mm	up to 120	20,40
215243	RS 9-80	9,0/80	25/M12 + shackle	800 mm	up to 120	22,55
215303	RS 9-100	9,0/100	25/M12 + shackle	800 mm	up to 120	24,80
215363	RS 9-120	9,0/120	25/M12 + shackle	800 mm	up to 120	26,90
215373	RS 9-120	9,0/120	25/M12 + shackle	1000 mm	up to 120	34,70
221463	RS 11-150	11,0/150	25/M12 + shackle	1000 mm	up to 120	45,50
221603	RS 11-200	11,0/200	25/M12 + shackle	1000 mm	up to 200	53,50
221613	RS 11-200	11,0/200	25/M12 + shackle	1200 mm	up to 200	59,00
221763	RS 11-250	11,0/250	25/M12 + shackle	1200 mm	up to 200	67,10
221913	RS 11-300	11,0/300	25/M12 + shackle	1200 mm	up to 200	75,20

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224200	RS 15-200	15,0/200	25/M12 + shackle	1500 mm	up to 400	152,00
224220	RS 15-250	15,0/250	25/M12 + shackle	1500 mm	up to 400	167,00
224240	RS 15-300	15,0/300	25/M12 + shackle	1500 mm	up to 400	182,00
224260	RS 15-350	15,0/350	25/M12 + shackle	1500 mm	up to 400	197,00
224280	RS 15-400	15,0/400	25/M12 + shackle	1500 mm	up to 400	212,00

Spare rods, without reel

Spare conduit rod yellow, without reel, highest quality of reinforced fibre rod with PP-covering. On ring with alu guide tip. From diam. 9 with shackle.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	kg
211590	ES 4,5-40	4,5/40	11/M5	1,25
211630	ES 4,5-60	4,5/60	11/M5	1,85
211670	ES 4,5-80	4,5/80	11/M5	2,45
214523	ES 6,5-40	6,5/40	12/M8	2,10
214563	ES 6,5-60	6,5/60	12/M8	3,10
214603	ES 6,5-80	6,5/80	12/M8	4,10
217103	ES 9-40	9,0/40	25/M12 + shackle	4,70
217163	ES 9-60	9,0/60	25/M12 + shackle	6,80
217243	ES 9-80	9,0/80	25/M12 + shackle	9,10
217313	ES 9-100	9,0/100	25/M12 + shackle	11,30
217373	ES 9-120	9,0/120	25/M12 + shackle	13,45
223463	ES 11-150	11,0/150	25/M12 + shackle	24,40
223613	ES 11-200	11,0/200	25/M12 + shackle	32,40
223763	ES 11-250	11,0/250	25/M12 + shackle	40,50
223913	ES 11-300	11,0/300	25/M12 + shackle	48,50
224372	ES 15-200	15,0/200	25/M12 + shackle	60,30
224374	ES 15-250	15,0/250	25/M12 + shackle	75,30
224376	ES 15-300	15,0/300	25/M12 + shackle	90,30
224378	ES 15-350	15,0/350	25/M12 + shackle	105,00
224380	ES 15-400	15,0/400	25/M12 + shackle	120,00

Detecting rods with reel

Detecting red conduit rods, highest quality of reinforced fibre rod with PP-covering. With alu-tip. For route detection with copper conductors, on galvanized reel with safety brake. Can also be used for pulling-in of winch ropes or light cables. Including connector for micro-transmitter with thread M5.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	Reel-D	CU-Cond.	Duct-ID	kg
225003	ORS 4,5-40	4,5/40	11/M5	350 mm	4	up to 50	3,80
225005	ORS 4,5-60	4,5/60	11/M5	350 mm	4	up to 50	4,40
225007	ORS 4,5-80	4,5/80	11/M5	350 mm	4	up to 50	5,00

Detecting rods with reel

Detecting red conduit rods, highest quality of reinforced fibre rod with PP-covering. For route detection with copper conductors: Included alu tip with shackle. On galvanized reel with safety brake. Can also be used for pulling-in of winch ropes or light cables. Including connector for transmitter.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	Reel-D	CU-Cond.	Duct-ID	kg
225034	ORS 7,4-40	7,4/40	25/M12 + shackle	600 mm	6	up to 80	8,10
225036	ORS 7,4-60	7,4/60	25/M12 + shackle	600 mm	6	up to 80	9,50
225038	ORS 7,4-80	7,4/80	25/M12 + shackle	600 mm	6	up to 80	10,90
225040	ORS 7,4-100	7,4/100	25/M12 + shackle	800 mm	6	up to 80	20,90

Detecting rods with reel

Detecting red conduit rods, highest quality of reinforced fibre rod with PP-covering. For route detection with copper conductors: Included alu tip with shackle. On galvanized reel with safety brake. Can also be used for pulling-in of winch ropes or light cables. Including connector for transmitter.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

Code	Type	D/m	Alu-tip-D	Reel-D	CU-Cond.	Duct-ID	kg
225205	ORS 9,0-60	9,0/60	25/M12 + shackle	800 mm	6	up to 120	19,80
225207	ORS 9,0-80	9,0/80	25/M12 + shackle	800 mm	6	up to 120	21,80
225209	ORS 9,0-100	9,0/100	25/M12 + shackle	800 mm	6	up to 120	23,80
225211	ORS 9,0-120	9,0/120	25/M12 + shackle	800 mm	6	up to 120	25,80
225250	ORS 11,0-150	11,0/150	25/M12 + shackle	1000 mm	6	up to 200	44,20
225254	ORS 11,0-200	11,0/200	25/M12 + shackle	1000 mm	6	up to 200	51,70
225258	ORS 11,0-250	11,0/250	25/M12 + shackle	1200 mm	6	up to 200	64,70
225262	ORS 11,0-300	11,0/300	25/M12 + shackle	1200 mm	6	up to 200	72,10

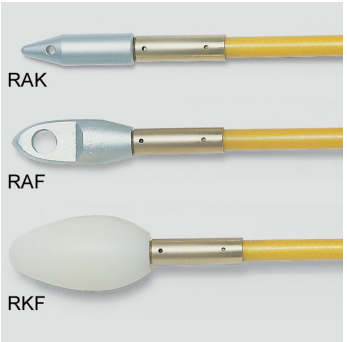
225302	ORS 15,0-200	15,0/200	25/M12 + shackle	1500 mm	6	up to 400	121,00
225303	ORS 15,0-250	15,0/250	25/M12 + shackle	1500 mm	6	up to 400	136,00
225304	ORS 15,0-300	15,0/300	25/M12 + shackle	1500 mm	6	up to 400	150,00
225305	ORS 15,0-350	15,0/350	25/M12 + shackle	1500 mm	6	up to 400	165,00
225306	ORS 15,0-400	15,0/400	25/M12 + shackle	1500 mm	6	up to 400	180,00

Spare detecting rods

Spare detecting rod red, highest quality of reinforced fibre rod with PP-covering, with copper conductors for detection. Including connector for transmitter.

The core of this rod is reinforced by 27 % additional glass fibres. This leads to a higher pushing stability and also to higher breaking resistance.

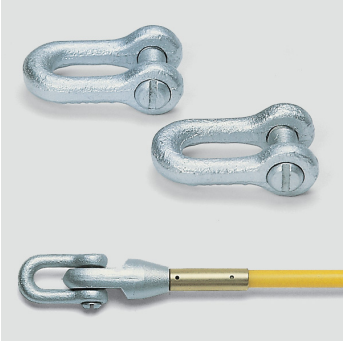
Code	Type	D/m	Alu-tip-D	CU-Cond.	kg
225011	OES 4,5-40	4,5/40	11/M5	4	1,25
225013	OES 4,5-60	4,5/60	11/M5	4	1,90
225015	OES 4,5-80	4,5/80	11/M5	4	2,50
225045	OES 7,4-40	7,4/40	25/M12 + shackle	6	3,00
225047	OES 7,4-60	7,4/60	25/M12 + shackle	6	4,40
225049	OES 7,4-80	7,4/80	25/M12 + shackle	6	5,80
225051	OES 7,4-100	7,4/100	25/M12 + shackle	6	7,20
225218	OES 9,0-60	9,0/60	25/M12 + shackle	6	6,20
225220	OES 9,0-80	9,0/80	25/M12 + shackle	6	8,20
225222	OES 9,0-100	9,0/100	25/M12 + shackle	6	10,30
225224	OES 9,0-120	9,0/120	25/M12 + shackle	6	12,30
225268	OES 11,0-150	11,0/150	25/M12 + shackle	6	22,80
225272	OES 11,0-200	11,0/200	25/M12 + shackle	6	30,30
225276	OES 11,0-250	11,0/250	25/M12 + shackle	6	37,80
225280	OES 11,0-300	11,0/300	25/M12 + shackle	6	45,20
225292	OES 15,0-200	15,0/200	25/M12 + shackle	6	60,20
225293	OES 15,0-250	15,0/250	25/M12 + shackle	6	75,40
225295	OES 15,0-300	15,0/300	25/M12 + shackle	6	90,40
225296	OES 15,0-350	15,0/350	25/M12 + shackle	6	105,40
225297	OES 15,0-400	15,0/400	25/M12 + shackle	6	120,40



Guide tips

Guide tip for easy sliding through the pipes. Made of alu or polyamide.

Code	Type	D/Thread	For RS	Mat.	kg
226320	RAK 11	11/M 5	4,5	Alu	0,01
226350	RAK 12	12/M 8	6,5	Alu	0,01
226380	RAK 17	17/M 12	9-15	Alu	0,02
226400	RAF 25	25/M 12	9-15	Alu	0,05
226410	RKF 28	28/M 12	9-15	Polyamide	0,08
226420	RKF 40	40/M 12	9-15	Polyamide	0,14



Shackle

Shackle for guide tip RAF 25, special slim version with slotted screw

Code	Type	Bolt-D	Opening	kg
226440	RSL 10	10 mm	14 mm	0,09

Guide ball

Guide balls for easy sliding through the pipes. Made of PE.

Code	Type	D/Thread	For RS	Mat.	kg
226423	RFK 70	70/M 12	9-15	PE	0,14
226424	RFK 75	75/M 12	9-15	PE	0,16
226425	RFK 85	85/M 12	9-15	PE	0,18

Guide roller

Guide roller easy pushing through in occupied conduits. Suitable to all rods D 9-11 mm, including guide tips for screwing on the rods.

Code	Type	D/Thread	For RS	Mat.	kg
226430	RFR 50	50/M 12	9-15	Alu	0,21

Connectors

Connecting swivel for coupling of two ore more conduit rods.

Code	Type	D/L/Thread	For RS	kg
226160	RSK 12	12x55/M 8	D 6,5	0,04
226170	RSK 18	18x80/M 12	D 9 / 11 / 15	0,11

Guide swivel

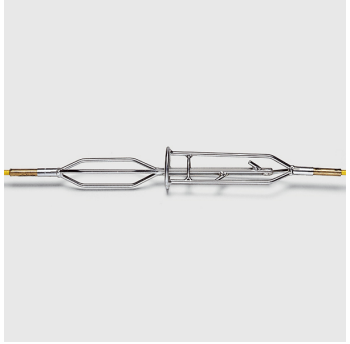
Guide swivel for conduit rods, for twist-free pulling of winch ropes or cables. Steel galvanized.

Code	Type	D/L/Thread	For RS	kg
226390	RSW 18	18x80/M 12	9-15	0,13

Catch hooks

Catch hook, very light version of alu for pushing two conduit rods from opposite parts. When they meet, the catch hooks couple automatically.

Code	Type	Duct-ID	Thread	kg
226180	RSF 35	40-50 mm	M 12	0,50



Catch hooks

Catch hook, very light version of steel for pushing two conduit rods from opposite parts. When they meet, the catch hooks couple automatically.

Code	Type	Duct-ID	Thread	kg
226200	RSF 50	50-80 mm	M 12	0,40
226210	RSF 100	80-100 mm	M 12	0,80

Length meter

Length meter for conduit rods. Protected mounted in the interior space of the reel. Tolerance +/-0,5 %. Retrofitting on existing reels is possible.

Code	Type	for rod-D	Suitable for	kg
226140	RLM 600	4,5-6,5 mm	Reel-D 600 mm	0,80
226150	RLM 911	6,5-11,0 mm	Reel-D 800-1200 mm	0,65

Set of screw and joint brass sockets

Set of screw and joint brass sockets with adhesive for rods

Code	Type	For RS	Sleeves	kg
226500	RPS 4	RS 4,5	3 screw, 2 joint sockets	0,09
226530	RPS 6	RS 6,5	1 screw, 1 joint socket	0,07
226545	RPS 7	RS 7,4	1 screw, 1 joint socket	0,07
226590	RPS 9	RS 9,0	1 screw, 1 joint socket	0,13
226633	RPS 11	RS 11,0	1 screw, 1 joint socket	0,13
226653	RPS 15	RS 15,0	1 screw, 1 joint socket	0,18

Screw brass sockets

Screw brass socket with thread for conduit rods

Code	Type	Thread	For RS	OD/L	kg
226480	RPA 4	M 5	RS 4,5	6/18 mm	0,01
226510	RPA 6	M 8	RS 6,5	9/45 mm	0,02
226540	RPA 7	M 12	RS 7,4	12/41 mm	0,02
226570	RPA 9	M 12	RS 9,0	13/58 mm	0,05
226613	RPA 11	M 12	RS 11,0	13/58 mm	0,05
226643	RPA 15	M 12	RS 15,0	15/75 mm	0,07

Joint brass sockets

Joint brass socket, without adhesive, for conduit rods

Code	Type	For RS	OD/L	kg
226490	RPV 4	RS 4,5	6/24 mm	0,01
226520	RPV 6	RS 6,5	9/50 mm	0,02
226542	RPV 7	RS 7,4	10/42 mm	0,03
226580	RPV 9	RS 9,0	13/60 mm	0,05
226623	RPV 11	RS 11,0	13/60 mm	0,05
226648	RPV 15	RS 15,0	18/85 mm	0,08

Adhesive

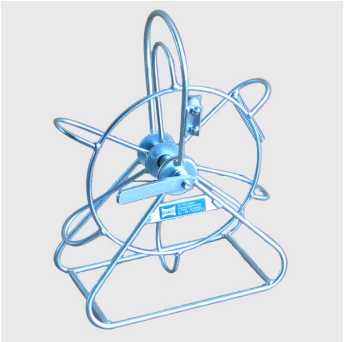
Mixed adhesive, high tensile strength, for brass sockets of all conduit rods

Code	Type	Adequate for	kg
226780	RPK 15	10 conglutination of socket	0,02

Service-Set for detecting rods

Service-set for detecting rods ORS, 1 screw socket and 1 joint socket, with adhesive.

Code	Type	For ORS	Sleeves	kg
225321	RPO 4	D 4,5	3 screw, 2 joint sockets	0,11
225323	RPO 7	D 7,4	1 screw, 1 joint socket	0,17
225324	RPO 9	D 9,0	1 screw, 1 joint socket	0,22
225325	RPO 11	D 11,0	1 screw, 1 joint socket	0,22
225326	RPO 15	D 15,0	1 screw, 1 joint socket	0,27



Reel only to rods

Reel only to conduit rod, steel galvanized, with safety reel brake.

Code	Type	Reel-D	For RS	Wheels	L/W/H mm	kg
226010	RSH 350	350 mm	4,5	without	320/170/430	2,45
226020	RSH 600	600 mm	4,5-7,4	without	550/240/690	5,00

Reel only to rods

Reel only to conduit rod, steel galvanized, with safety reel brake.

Code	Type	Reel-D	For RS	Wheels	L/W/H mm	kg
226070	RSH 800	800 mm	6,5-9,0	2	755/405/915	13,50
226090	RSH 1000	1000 mm	9,0-11,0	2	985/525/1150	21,40
226120	RSH 1200	1200 mm	11,0	2	1185/540/1345	26,80
226130	RSH 1500	1500 mm	15,0	2	1570/753/1561	60,00

Cable and duct detector

Cable and duct detector for precise localisation down to a depth of 4,50 m. Complete. set. Frequency 33 kHz, consisting of:

- Detector with digital and optic-acoustical display.
- Depth determination including transmitter with earthing cable.
- Plastic tool bag for complete equipment.

Code	Type	Frequency	Power	Depth measuring	kg
231615	CAT EMS4	33 + 131 kHz,	0,12 Watt	up to 4,0 m	5,20

Detector for non-metallic conduits

Detector with 8 batteries, without transmitter For precise localisation of non-metallic conduits, and to find blockages with the conduit rods yellow or red, D 4,5-11 mm. The following configurations are possible:

- Yellow conduit rod with screwed on duct transmitter RD 18 for spot detection
- Red conduit rod with screwed on duct transmitter RD 18 for spot detection
- Red conduit rod to transmitted by CAT SEN4, for line or spot detection

Code	Type	Frequency	Transmitter	L/W/H mm	kg
231611	CAT EM4+	33 + 131 kHz,	without	255/70/725	2,20

Transmitter for detectors

Transmitter with connecting cable as extension of RKV 40, which than can be used as cable and duct detecting equipment.

Code	Type	Frequency	Power	L/W/H mm	kg
231613	CAT SEN4	33 + 131 kHz,	0,12 Watt	280/180/220	2,50

Clamp with cable for CAT SEN

Clamp with cable for CAT SEN, for induction of life cables.

Code	Type	Cable to	kg
2316195	CAZ 48	D 48 mm	0,40
2316193	CAZ 98	D 98 mm	0,50

Duct transmitter on rods

Duct transmitter for screwing on conduit rods yellow or red of D 6,5-11 mm.

Code	Type	Transmitter-D/L	Thread	For depths	kg
231622	RD 18	18/100 mm	M 10	up to 4,0 m	0,12
231627	RD 39	39/120 mm	M 10	up to 5,0 m	0,18
231628	RD 64	64/150 mm	M 10	up to 8,0 m	0,34

Grounding head

Grounding head D 22x45, M12/M10, Alu, for additional. spot detection with transmitter D 18

Code	Type	For transmitter	Thread	kg
225310	ERK 22	D 18 mm	M 12 to 10	0,03
225312	ERK 42	D 39 mm	M 12 to 10	0,10