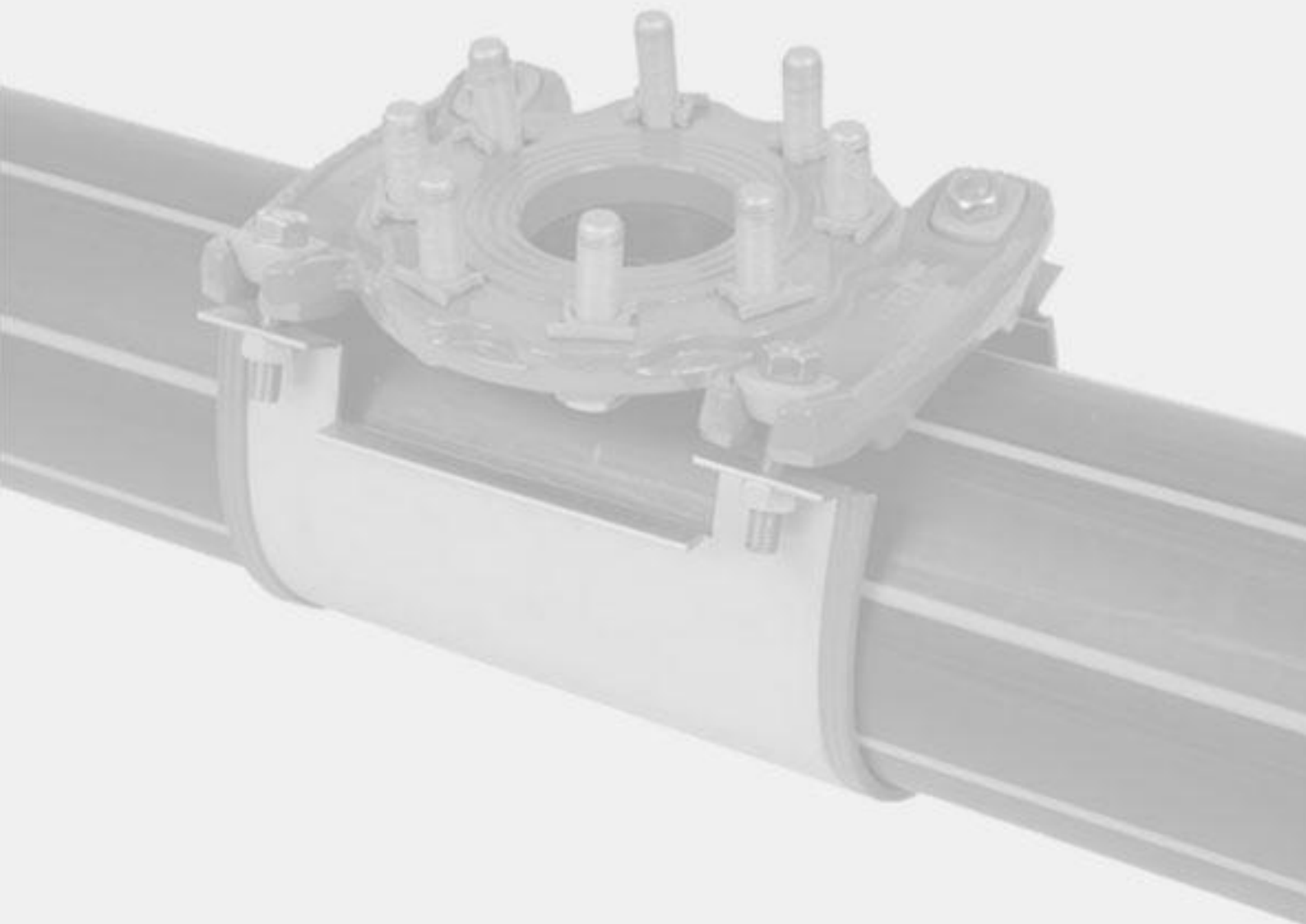


CATALOGUE



OPTIMQ

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PE OUTLET HOT TAPPING SADDLES (32&50)

NEW

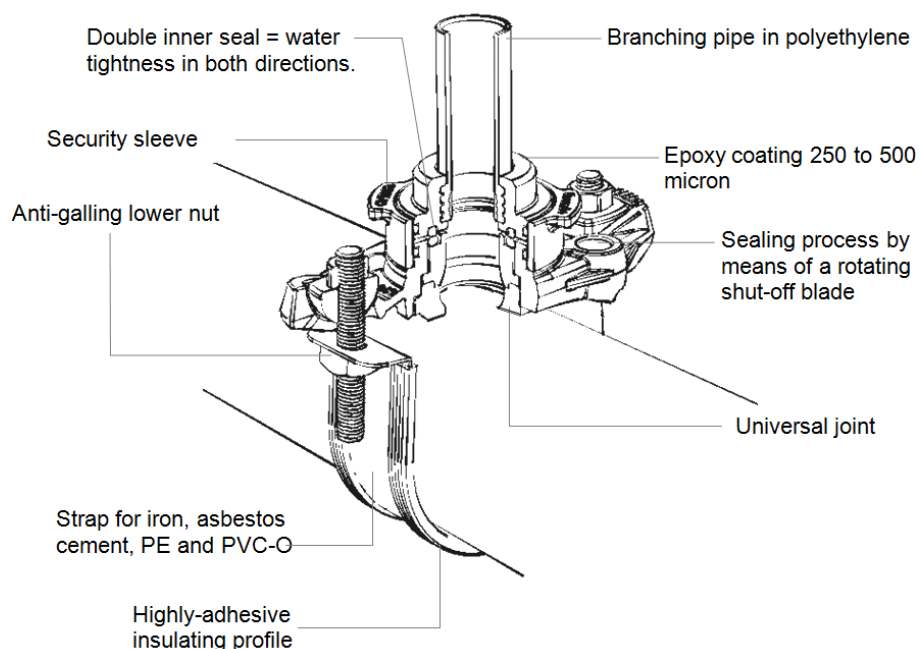
Characteristics

- ▶ **WORLD PREMIERE** ▶ No more threaded fittings!
- ▶ PE outlet hot tapping saddles manufactured in PE32 and PE50.
- ▶ To create branches in water supply networks.
- ▶ Sealing by the **OPTIMQ** rotating shut-off blade or a standard spatula.
- ▶ For connections on iron, fibre cement, PE and PVC-O.
- ▶ Can be installed with 55mm **OPTIMQ** simple straps.
- ▶ With double interior O-ring and outer safety sleeve.
- ▶ With one open flap to make fitting the strap fitting easier.
- ▶ Manufactured according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): See table on page 2.

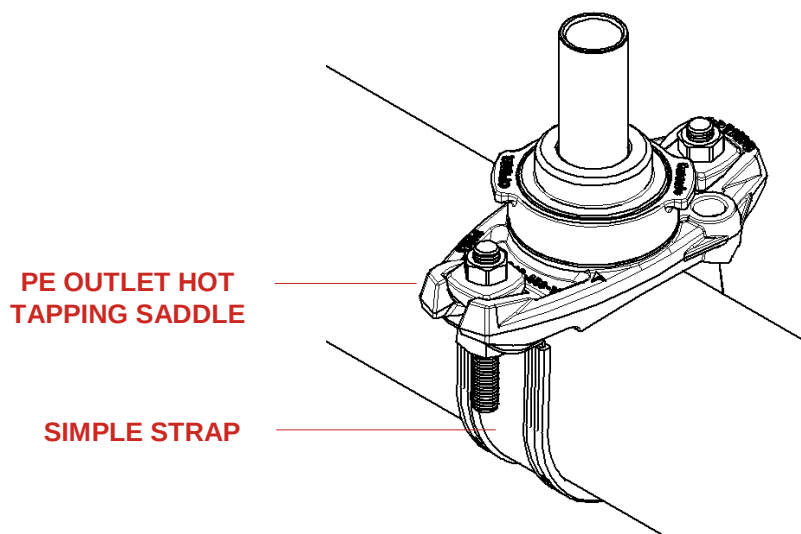
MATÉRIALS

- ▶ EN-GJS-450-10 ductile cast body.
- ▶ Epoxy coating approved for drinking water (250 to 500 micron).
- ▶ Branching pipe in polyethylene PE100-SDR11.
- ▶ EPDM rubber gasket EN 681-1 standard suitable for drinking water.
- ▶ Strap, nuts and studs made of AISI 304 stainless steel.
- ▶ Strap with blue EPDM rubber insulating profile.

Advantages



PE OUTLET HOT TAPPING SADDLES (32&50)



Codes, sizes and dimensions

PE OUTLET HOT TAPPING SADDLES							
Code	Size	Range of use Main pipe material			Height on pipe mm	Pieces per box	Weight per unit kg
		Iron	PE & PVC-O	Fibre cement			
OQ06200	PE32	60*-300	75*-315	60*-300D	128	6	1,610
OQ06400	PE50	80*-350	90*-400	80*-350D	137	4	2,020

Permissible Working Pressures: 16 bar, except for sizes marked with an asterisk (*) which is 10 bar.

SIMPLE STRAPS								
Code	Size	Range of use Main pipe material			Diameter range		Pieces per box	Weight per unit kg
		Iron	PE & PCVO	Fibre cement	Min.	Max.		
OQ01010	Nº 1	60	63	60	63	80	50	0,340
OQ01020	Nº 2	65	75	70	75	90	50	0,350
OQ01030	Nº 3	80	90	80	90	110	50	0,420
OQ01035	Nº 3&4	80 & 100	90 & 110	80 & 100	90	130	50	0,450
OQ01040	Nº 4	100	110	100-C/D	110	125	50	0,450
OQ01050	Nº 5	---	125	100-E/F	125	140	50	0,500
OQ01060	Nº 6	125	140	125	140	160	30	0,520
OQ01070	Nº 7	150	160	150-C/D	160	180	30	0,590
OQ01080	Nº 8	---	180	150-E/F	180	200	30	0,630
OQ01090	Nº 9	175	200	175	200	220	30	0,670
OQ01100	Nº 10	200	225	200-C/D	220	245	30	0,720
OQ01110	Nº 11	225	250	200-E/F	245	270	30	0,780
OQ01120	Nº 12	250	280	250-C	270	290	25	0,830
OQ01130	Nº 13	---	---	250-C/D/E	290	315	25	0,890
OQ01140	Nº 14	300	315	---	315	335	25	0,940
OQ01150	Nº 15	---	355	300-C/D	335	355	25	0,990
OQ01160	Nº 16	350	---	---	375	395	---	1,090
OQ01170	Nº 17	---	400	350-C/D	395	415	---	1,140

PE OUTLET HOT TAPPING SADDLES (90&110)

NEW

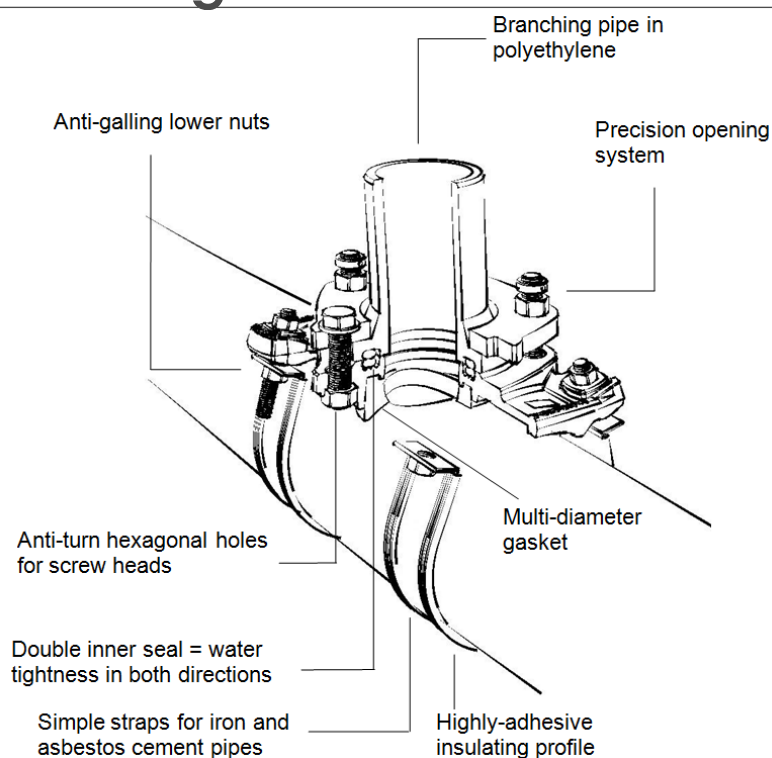
Characteristics

- ▶ **WORLD PREMIERE** ▶ Tapping saddle with PE outlet to create branches under pressure in water supply networks.
- ▶ Including 90x0 & 110x110 "size on size" version (table on the back).
- ▶ Excellent for electro welding branching, sizes PE90 and PE110.
- ▶ Sealing process by means of newly designed rotating shut-off blade.
- ▶ Designed according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): 16 bar.
- ▶ Mounted on iron pipes with two 55mm **OPTIMQ** simple straps.
- ▶ For PE and PVC-O pipes use a 265-mm wide strap.
- ▶ Tapping saddle fitted with a multidiameter gasket.
- ▶ With open flap to make the strap fitting easier.

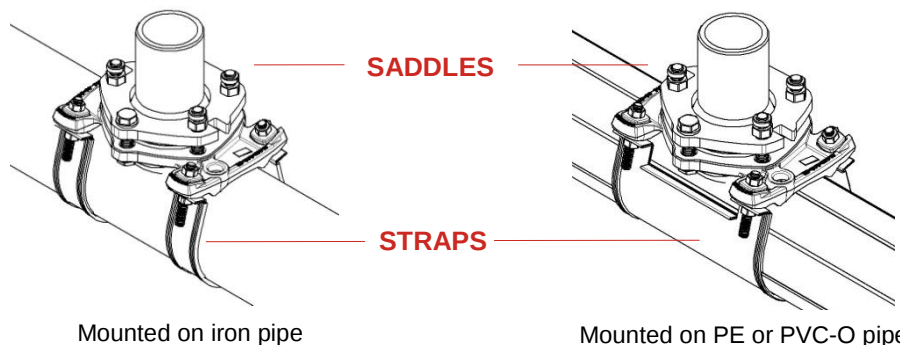
MATERIALS

- ▶ EN-GJS-450-10 ductile iron body and reel.
- ▶ Epoxy coating approved for drinking water (250-500 micros)
- ▶ Tubo de derivación de polietileno calidad PE100-SDR11.
- ▶ EPDM rubber seal suitable for drinking water.
- ▶ 8.8 steel screws and nuts with Geomet coating.
- ▶ Straps, nuts and studs made of AISI 304 stainless steel.
- ▶ Straps with blue EPDM rubber insulating profile.

Advantages



PE OUTLET HOT TAPPING SADDLES (90&110)



Mounted on iron pipe

Mounted on PE or PVC-O pipe

Codes, sizes and dimensions

PE OUTLET HOT TAPPING SADDLES							
Code	Size	Range of use Main pipe material			Height on pipe mm	Cutter diameter mm	Weight per unit kg.
		Iron	PE & PVC-O	Fibre cement			
OQ09740	PE90x90	80	90	80	167	70	7,870
OQ09750	PE 90-C	100-200	160-180	100-200C	167	70	7,820
OQ09760	PE 90-D	150-250	180-225	150-200	167	70	7,850
OQ09790	PE 90-E	200-350	250-355	200E-350D	167	70	7,880
OQ09850	PE110x110	100	110	100	187	86	8,810
OQ09860	PE 110-D	150-200	200-225	150C-200C	187	86	8,740
OQ09890	PE 110-E	200-350	250-355	200E-350D	187	86	8,870

SIMPLE STRAPS (for iron and fiber cement pipes)							
Code	Size	Range of use Main pipe material		Diameter range		Pieces per box	Weight per unit kg.
		Iron	Fibre cement	Min.	Max.		
OQ01040	Nº 4	100	100-C/D	110	125	50	0,450
OQ01050	Nº 5	---	100-E/F	125	140	50	0,500
OQ01060	Nº 6	125	125	140	160	30	0,520
OQ01070	Nº 7	150	150-C/D	160	180	30	0,590
OQ01080	Nº 8	---	150-E/F	180	200	30	0,630
OQ01090	Nº 9	175	175	200	220	30	0,670
OQ01100	Nº 10	200	200-C/D	220	245	30	0,720
OQ01110	Nº 11	225	200-E/F	245	270	30	0,780
OQ01120	Nº 12	250	250-C	270	290	25	0,830
OQ01130	Nº 13	---	250-C/D/E	290	315	25	0,890
OQ01140	Nº 14	300	---	315	335	25	0,940
OQ01150	Nº 15	---	300-C/D	335	355	25	0,990
OQ01160	Nº 16	350	---	375	395	---	1,090
OQ01170	Nº 17	---	350-C/D	395	415	---	1,140

WIDE STRAPS (for PE and oriented PVC pipes)				
Code	Size	Range of use Main pipe material		Weight per unit kg.
		PE	PVC-O	
OQ02050	160	160	160	2,020
OQ02055	180	180	180	2,230
OQ02060	200	200	200	2,480
OQ02070	225	225	225	2,610
OQ02080	250	250	250	3,030
OQ02085	280	280	280	3,300
OQ02090	315	315	315	3,670
OQ02095	355	355	355	4,150

FLANGED HOT TAPPING SADDLES

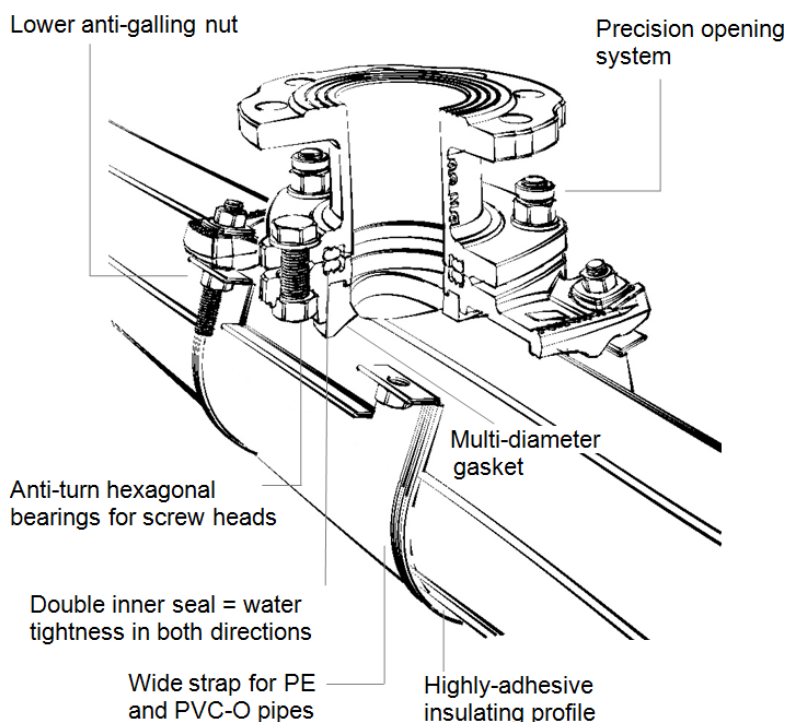
Characteristics

- ▶ Tapping saddle to create branches in underpressure water networks.
- ▶ Including 80x80 & 100x100 "size on size" version (table on the back).
- ▶ Tapping saddle with inner sealing in both directions.
- ▶ Sealing process by means of newly designed rotating shut-off blade.
- ▶ Designed according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): 16 bar.
- ▶ Mounted on iron pipes with two 55mm **OPTIMQ** simple straps.
- ▶ For PE and PVC-O pipes use a 265-mm wide strap.
- ▶ Tapping saddle fitted with a multidiameter gasket.
- ▶ With open flap to make the strap fitting easier.
- ▶ Fitted with an anti-turn hexagon for the screw heads.

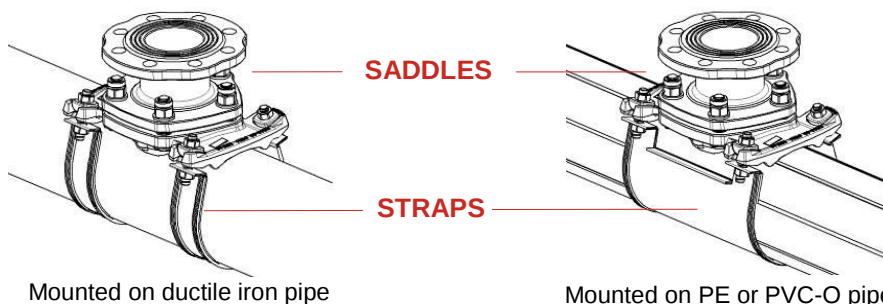
MATERIALS

- ▶ EN-GJS-450-10 ductile iron body and spool.
- ▶ Epoxy coating approved for drinking water (250-500 microns)
- ▶ EPDM rubber gasket suitable for drinking water.
- ▶ 8.8 steel screws and nuts with Geomet coating.
- ▶ Straps, nuts and studs made of AISI 304 stainless steel.
- ▶ Straps with blue EPDM rubber insulating profile.

Advantages



FLANGED HOT TAPPING SADDLES



Codes, sizes and dimensions

FLANGED HOT TAPPING SADDLES								
Code	Size	Range of use Main pipe material			Height on pipe mm	Diameter flange(DIN) mm	Cutter diameter mm	Weight per unit kg.
		Iron	PE & PVC	Fiber cement				
OQ04650	DN 65-C	100-200	160-180	100-200C	130	185	55	11,290
OQ04660	DN 65-D	150-250	180-225	150-200	130	185	55	11,310
OQ04690	DN 65-E	200-350	250-355	200E-350D	130	185	55	11,330
OQ04740	DN 80x80	80	90	80	130	200	70	11,670
OQ04750	DN 80-C	100-200	160-180	100-200C	130	200	70	11,620
OQ04760	DN 80-D	150-250	180-225	150-200	130	200	70	11,630
OQ04790	DN 80-E	200-350	250-355	200E-350D	130	200	70	11,650
OQ04850	DN 100x100	100	110	100	130	200	86	13,200
OQ04860	DN 100-D	150-200	200-225	150C-200C	130	220	86	13,130
OQ04890	DN 100-E	200-350	250-355	200E-350D	130	220	86	13,100
SIMPLE STRAPS (for iron and fiber cement pipes)								
Code	Size	Range of use Main pipe material		Diameter range		Pcs. per box	Weight per unit kg.	
		Iron	Fiber cement	Min.	Max.			
OQ01040	Nº 4	100	100-C/D	110	125	50	0,450	
OQ01050	Nº 5	---	100-E/F	125	140	50	0,500	
OQ01060	Nº 6	125	125	140	160	30	0,520	
OQ01070	Nº 7	150	150-C/D	160	180	30	0,590	
OQ01080	Nº 8	---	150-E/F	180	200	30	0,630	
OQ01090	Nº 9	175	175	200	220	30	0,670	
OQ01100	Nº 10	200	200-C/D	220	245	30	0,720	
OQ01110	Nº 11	225	200-E/F	245	270	30	0,780	
OQ01120	Nº 12	250	250-C	270	290	25	0,830	
OQ01130	Nº 13	---	250-C/D/E	290	315	25	0,890	
OQ01140	Nº 14	300	---	315	335	25	0,940	
OQ01150	Nº 15	---	300-C/D	335	355	25	0,990	
OQ01160	Nº 16	350	---	375	395	---	1,090	
OQ01170	Nº 17	---	350-C/D	395	415	---	1,140	
WIDE STRAPS (for PE and oriented PVC pipes)								
Code	Size	Range of use Main pipe material			Weight per unit kg.			
		PE	kg.					
OQ02050	160	160	160	2,020				
OQ02055	180	180	180	2,200				
OQ02060	200	200	200	2,480				
OQ02070	225	225	225	2,610				
OQ02080	250	250	250	3,030				
OQ02085	280	280	280	3,300				
OQ02090	315	315	315	3,670				
OQ02095	355	355	355	4,150				

THREADED HOT TAPPING SADDLES

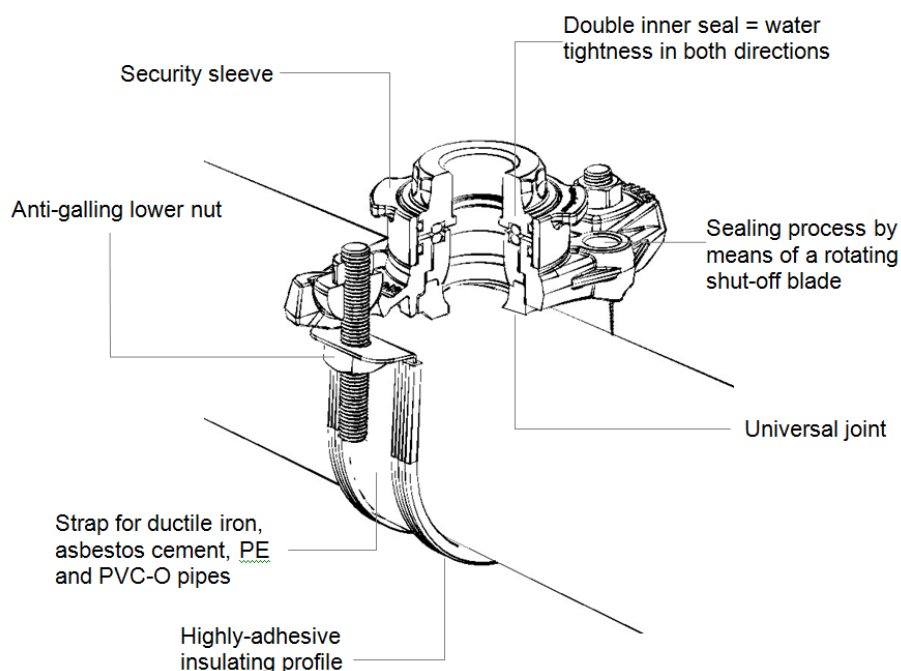
Characteristics

- ▶ Hot tapping saddle to create branches in water supply networks.
- ▶ Manufactured in $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ " and 2".
- ▶ Sealing by the **OPTIMQ** rotating shut-off blade or a standard spatula.
- ▶ For connections on cast iron, fibre cement, PE and PVC-O.
- ▶ Mounted with two 55mm **OPTIMQ** simple straps.
- ▶ With double interior O-ring and outer safety sleeve.
- ▶ With one open flap to make fitting the strap fitting easier.
- ▶ Manufactured according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): See table on page 8.

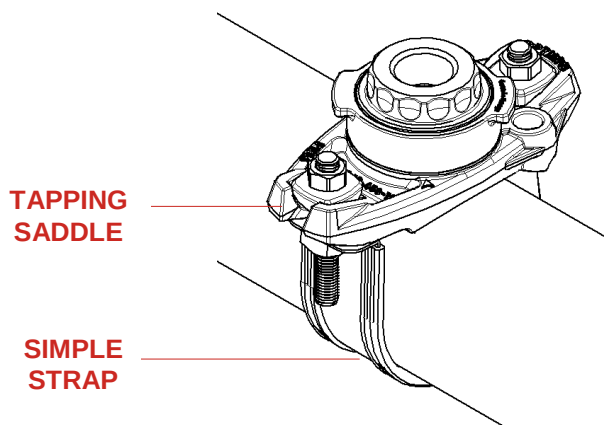
MATERIALS

- ▶ EN-GJS-450-10 ductile cast body.
- ▶ Epoxy coating approved for drinking water (250 to 500 micron).
- ▶ EPDM rubber joint EN 681-1 standard suitable for drinking water.
- ▶ Safety sleeve made of highly resistant resin.
- ▶ Strap, nuts and studs made of AISI 304 stainless steel.
- ▶ Strap with blue EPDM rubber insulating profile.
- ▶ Acetal resin ball joints.

Advantages



THREADED HOT TAPPING SADDLES



Codes, sizes and dimensions

THREAD HOT TAPPING SADDLES								
Code	Size	Range of use Main pipe material			Height on pipe mm	Thread size	Pieces per box	Weight per unit
		Iron	PE & PVC-O	Fibre cement				
OQ08100	¾"	60*-300	75*-315	60*-300D	62	G¾"	8	1,680
OQ08200	1"	60*-300	75*-315	60*-300D	62	G1"	8	1,620
OQ08300	1¼"	80*-350	90*-400	80*-350D	62	G1¼"	6	2,220
OQ08400	1½"	80*-350	90*-400	80*-350D	62	G1½"	6	2,180
OQ08500	2"	80*-350	90*-400	80*-350D	62	G2"	6	2,030

Permissible Working Pressures: 16 bar, except for sizes marked with an asterisk (*) which is 10 bar.

SIMPLE STRAPS								
Code	Size	Range of use Main pipe material			Diameter range		Pieces per box	Weight per unit
		Iron	PE/PCVO	Fibre cement	Min.	Max.		
OQ01010	Nº 1	60	63	60	63	80	50	0,340
OQ01020	Nº 2	65	75	70	75	90	50	0,350
OQ01030	Nº 3	80	90	80	90	110	50	0,420
OQ01035	Nº 3&4	80 & 100	90 & 110	80 & 100	90	130	50	0,450
OQ01040	Nº 4	100	110	100-C/D	110	125	50	0,450
OQ01050	Nº 5	---	125	100-E/F	125	140	50	0,500
OQ01060	Nº 6	125	140	125	140	160	30	0,520
OQ01070	Nº 7	150	160	150-C/D	160	180	30	0,590
OQ01080	Nº 8	---	180	150-E/F	180	200	30	0,630
OQ01090	Nº 9	175	200	175	200	220	30	0,670
OQ01100	Nº 10	200	225	200-C/D	220	245	30	0,720
OQ01110	Nº 11	225	250	200-E/F	245	270	30	0,780
OQ01120	Nº 12	250	280	250-C	270	290	25	0,830
OQ01130	Nº 13	---	---	250-C/D/E	290	315	25	0,890
OQ01140	Nº 14	300	315	---	315	335	25	0,940
OQ01150	Nº 15	---	355	300-C/D	335	355	25	0,990
OQ01160	Nº 16	350	---	---	375	395	---	1,090
OQ01170	Nº 17	---	400	350 C/D	395	415	---	1,140

SLIMLINE TAPPING SADDLES

NEW

Characteristics

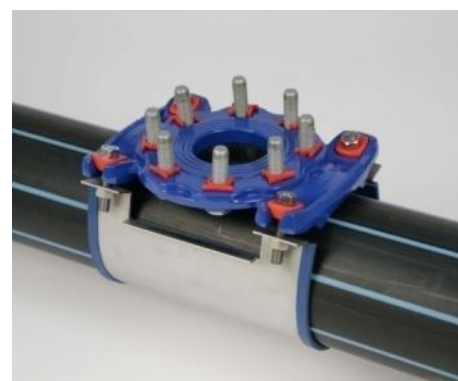
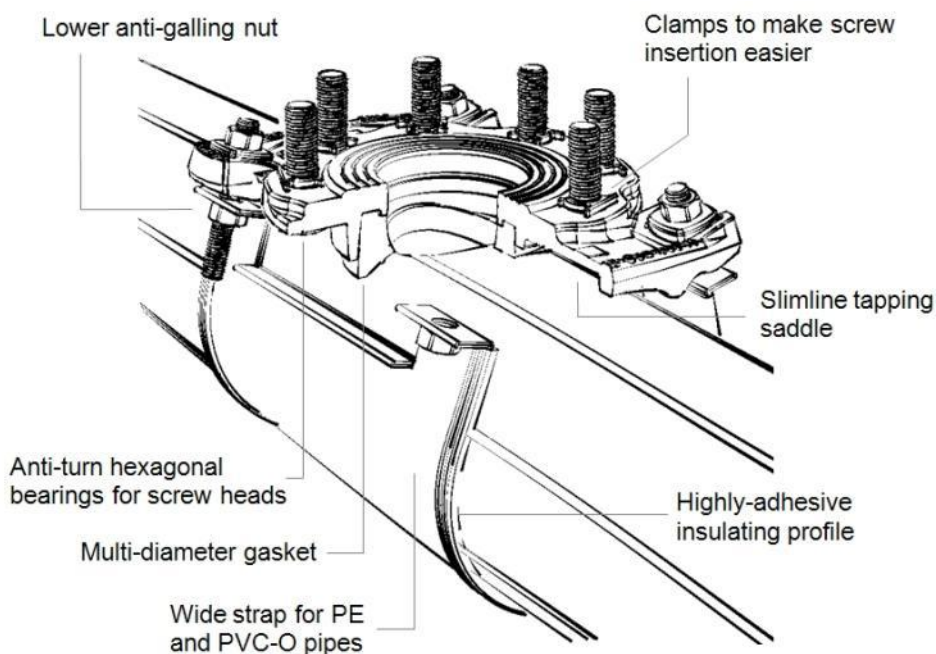
- ▶ **NEW** ▶ Slimline tapping saddle to create branches in water networks.
- ▶ Due to their reduced height and weight they offer considerable advantages over the simple traditional necked-saddle.
- ▶ Designed according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): 16 bar.
- ▶ Mounted on iron pipes with two 55mm **OPTIMQ** simple straps.
- ▶ For PE and PVC-O pipes use a 265-mm wide strap.
- ▶ Tapping saddle fitted with a multi-diameter gasket.
- ▶ With open flaps to make the strap easier.
- ▶ Fitted with an anti-turn hexagon for the screw heads.
- ▶ Includes a set of clamps to make the screw insertion easier.

MATERIALS

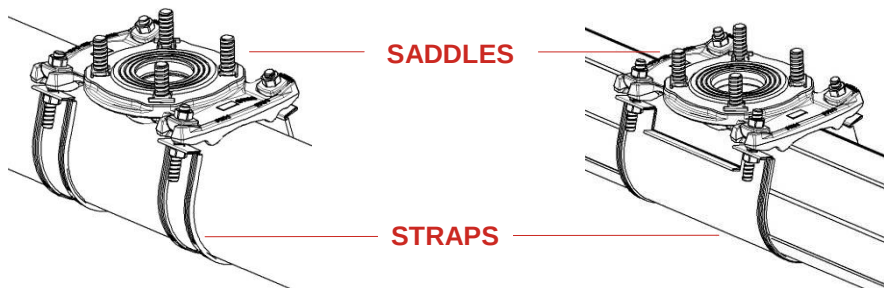
- ▶ EN-GJS-450-10 ductile iron body.
- ▶ Epoxy coating approved for drinking water (250-500 microns).
- ▶ EPDM rubber seal suitable for drinking water.
- ▶ Straps, nuts and studs made of AISI 304 stainless steel.
- ▶ Acetal resin clamps to fasten the screws.



Advantages



SLIMLINE TAPPING SADDLES



Mounted on iron pipe

Mounted on PE or PVC-O pipe

Codes, names and dimensions

SLIMLINE TAPPING SADDLE							
Code	Size	Range of use Main pipe material			Height on pipe mm	Diameter flange (DIN) mm	Weight per unit kg.
		Iron	PE & PVC-O	Fibre cement			
OQ03750	DN 80-C	100-200	160-180	100-200C	30	200	4,830
OQ03760	DN 80-D	150-250	180-225	150-200	30	200	4,830
OQ03790	DN 80-E	200-350	250-355	200E-350D	30	200	4,840
OQ03860	DN 100-D	150-200	200-225	150C-200C	30	220	5,440
OQ03890	DN 100-E	200-350	250-355	200E-350D	30	220	5,450

SIMPLE STRAPS (for ductile iron and fiber cement pipes)							
Code	Size	Range of use Main pipe material		Diameter range		Pcs per box	Weight per unit kg.
		Iron	Fibre cement	Min.	Max.		
OQ01040	Nº 4	100	100-C/D	110	125	50	0,450
OQ01050	Nº 5	---	100-E/F	125	140	50	0,500
OQ01060	Nº 6	125	125	140	160	30	0,520
OQ01070	Nº 7	150	150-C/D	160	180	30	0,590
OQ01080	Nº 8	---	150-E/F	180	200	30	0,630
OQ01090	Nº 9	175	175	200	220	30	0,670
OQ01100	Nº 10	200	200-C/D	220	245	30	0,720
OQ01110	Nº 11	225	200-E/F	245	270	30	0,780
OQ01120	Nº 12	250	250-C	270	290	25	0,830
OQ01130	Nº 13	---	250-C/D/E	290	315	25	0,809
OQ01140	Nº 14	300	---	315	335	25	0,940
OQ01150	Nº 15	---	300-C/D	335	355	25	0,990
OQ01160	Nº 16	350	---	375	395	---	1,090
OQ01170	Nº 17	---	350-C/D	395	415	---	1,140

WIDE STRAPS (for PE and oriented PVC pipes)				
Code	Size	Range of use Main pipe material		Weight per unit kg.
		PE	PVC-O	
OQ02050	160	160	160	2,020
OQ02055	180	180	180	2,230
OQ02060	200	200	200	2,480
OQ02070	225	225	225	2,610
OQ02080	250	250	250	3,030
OQ02085	280	280	280	3,300
OQ02090	315	315	315	3,670
OQ02095	355	355	315	4,150

THREADED TAPPING SADDLES

Characteristics

- ▶ Tapping saddle to create branches in water supply networks.
- ▶ Manufactured in ¾", 1", 1½" and 2".
- ▶ For connections on iron, fibre cement, PE and PVC-O.
- ▶ Mounted with two 55mm **OPTIMQ** simple straps.
- ▶ Tapping saddle fitted with a Universal gasket.
- ▶ With one open flap to make assembling the strap easier.
- ▶ Manufactured according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): See table on page 12.

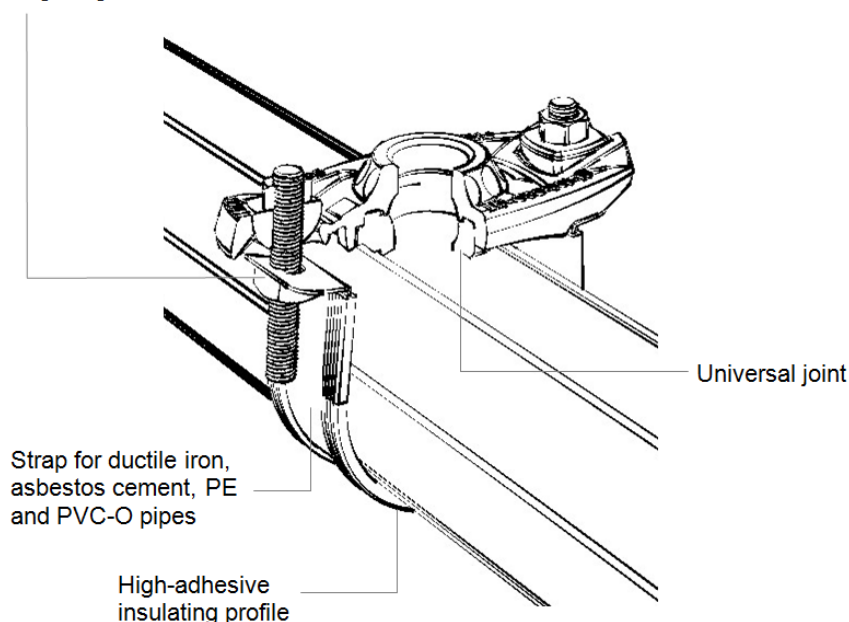
MATERIALS

- ▶ EN-GJS-450-10 ductile cast body.
- ▶ Epoxy coat approved for drinking water (25-500 microns)
- ▶ EPDM rubber joint EN 681-1 standard suitable for drinking water.
- ▶ Strap, nuts and studs made of AISI 304 stainless steel.
- ▶ Strap with blue EPDM rubber insulating profile.
- ▶ Acetal resin ball joints.

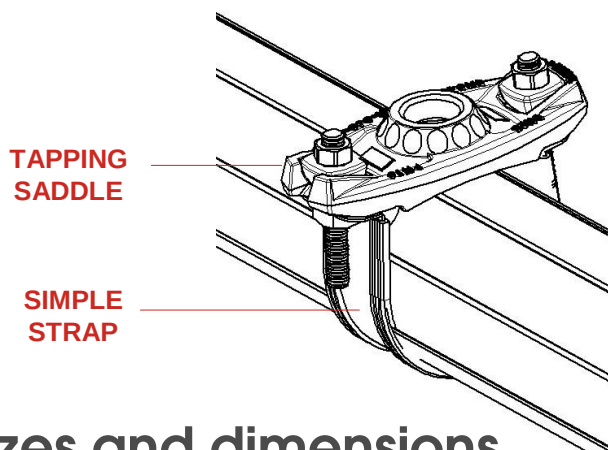


Advantages

Anti-galling lower nut



THREADED TAPPING SADDLES



Codes, sizes and dimensions

THREADED TAPPING SADDLES								
Code	Size	Range of use			Height on pipe mm	Thread size	Pieces per box	Weight per unit kg
		Iron	Main pipe material PE & PVC-O	Fibre cement				
OQ07100	¾"	60*-300	75*-315	60*-300D	32	G¾"	12	1,110
OQ07200	1"	60*-300	75*-315	60*-300D	32	G1"	12	1,110
OQ07400	1½ "	80*-350	90*-400	80*-350D	32	G1½"	9	1,110
OQ07500	2"	80*-350	90*-400	80*-350D	32	G2"	9	1,550

Permissible Working Pressures: 16 bar, except for sizes marked with an asterisk (*) which is 10 bar.

SIMPLE STRAPS								
Code	Size	Range of use Main pipe material			Diameter range		Pieces per box	Weight per unit kg
		Iron	PE/PCVO	Fibre cement	Min.	Max.		
OQ01010	Nº 1	60	63	60	63	80	50	0,340
OQ01020	Nº 2	65	75	70	75	90	50	0,350
OQ01030	Nº 3	80	90	80	90	110	50	0,420
OQ01035	Nº 3&4	80 & 100	90 & 110	80 & 100	90	130	50	0,450
OQ01040	Nº 4	100	110	100-C/D	110	125	50	0,450
OQ01050	Nº 5	---	125	100-E/F	125	140	50	0,500
OQ01060	Nº 6	125	140	125	140	160	30	0,520
OQ01070	Nº 7	150	160	150-C/D	160	180	30	0,590
OQ01080	Nº 8	---	180	150-E/F	180	200	30	0,630
OQ01090	Nº 9	175	200	175	200	220	30	0,670
OQ01100	Nº 10	200	225	200-C/D	220	245	30	0,720
OQ01110	Nº 11	225	250	200-E/F	245	270	30	0,780
OQ01120	Nº 12	250	280	250-C	270	290	25	0,830
OQ01130	Nº 13	---	---	250-C/D/E	290	315	25	0,890
OQ01140	Nº 14	300	315	---	315	335	25	0,940
OQ01150	Nº 15	---	355	300-C/D	335	355	25	0,990
OQ01160	Nº 16	350	---	---	375	395	---	1,090
OQ01170	Nº 17	---	400	350 C/D	395	415	---	1,140

SIMPLE STRAPS

Characteristics

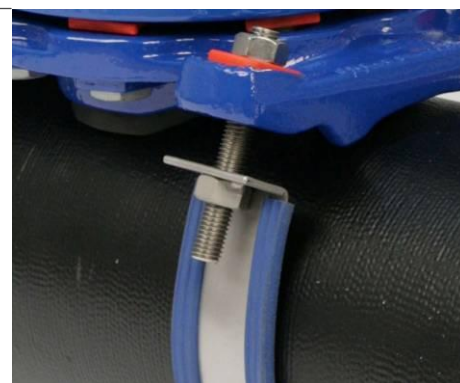
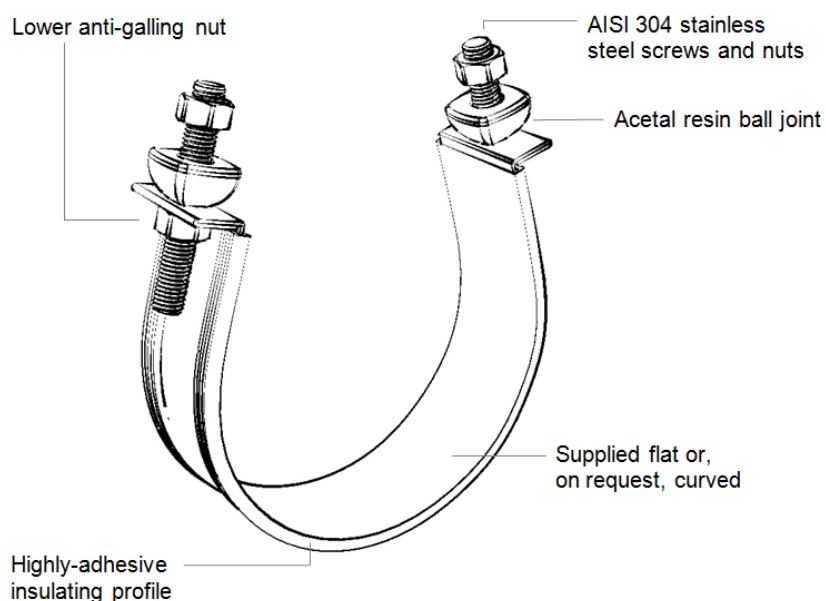
- ▶ Simple straps to fasten the tapping saddles to the pipe.
- ▶ Can be installed on ductile iron, fibre cement, polyethylene, oriented PVC pipes and others.
- ▶ Anti-galling system with double nut.
- ▶ The straps are supplied with 2 studs, 2 nuts and 2 ball joints.
- ▶ Supplied flat or, on request, curved.
- ▶ Highly-adhesive rubber profile to insulate the strap and the pipe.

MATERIALS

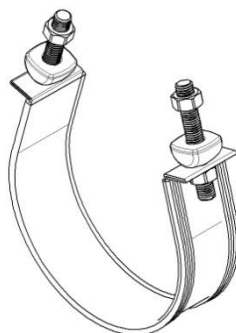
- ▶ Straps, nuts and studs made of AISI 304 stainless steel.
- ▶ Acetal resin spherical washers.
- ▶ Blue EPDM rubber insulating profile.



Advantages



SIMPLE STRAPS



Simple strap with ball joints, nuts and studs

Names, sizes and dimensions

SIMPLE STRAPS								
Code	Size	Range of use Main pipe material			Diameter range		Pcs per box	Weight per unit kg.
		Iron	PE & PVC-O	Fibre cement	Min.	Max.		
OQ01010	Nº 1	60	63	60	63	80	50	0,340
OQ01020	Nº 2	65	75	70	75	90	50	0,350
OQ01030	Nº 3	80	90	80	90	110	50	0,420
OQ01035	Nº 3&4	80 & 100	90 & 110	80 & 100	90	130	50	0,450
OQ01040	Nº 4	100	110	100-C/D	110	125	50	0,450
OQ01050	Nº 5	---	125	100-E/F	125	140	50	0,500
OQ01060	Nº 6	125	140	125	140	160	30	0,520
OQ01070	Nº 7	150	160	150-C/D	160	180	30	0,590
OQ01080	Nº 8	---	180	150-E/F	180	200	30	0,630
OQ01090	Nº 9	175	200	175	200	220	30	0,670
OQ01100	Nº 10	200	225	200-C/D	220	245	30	0,720
OQ01110	Nº 11	225	250	200-E/F	245	270	30	0,780
OQ01120	Nº 12	250	280	250-C	270	290	25	0,830
OQ01130	Nº 13	---	---	250-C/D/E	290	315	25	0,890
OQ01140	Nº 14	300	315	---	315	335	25	0,940
OQ01150	Nº 15	---	355	300-C/D	335	355	25	0,990
OQ01160	Nº 16	350	---	---	375	395	---	1,090
OQ01170	Nº 17	---	400	350 C/D	395	415	---	1,140

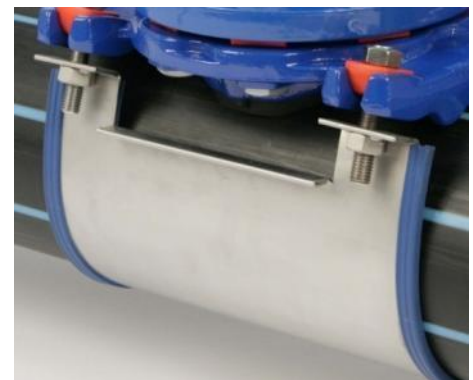
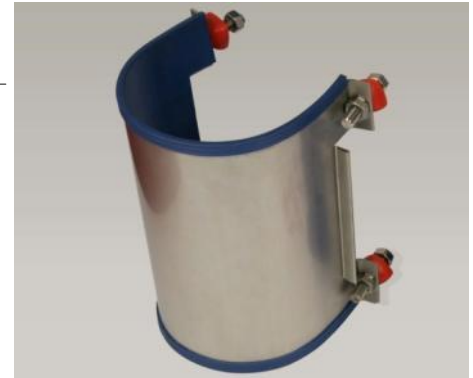
WIDE STRAPS

Characteristics

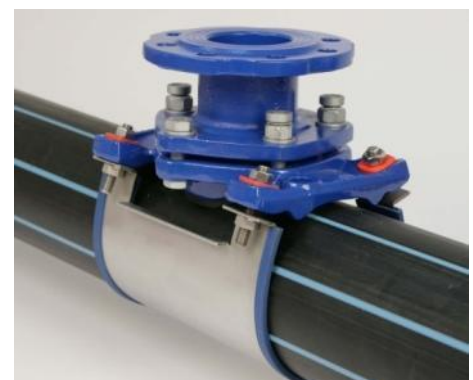
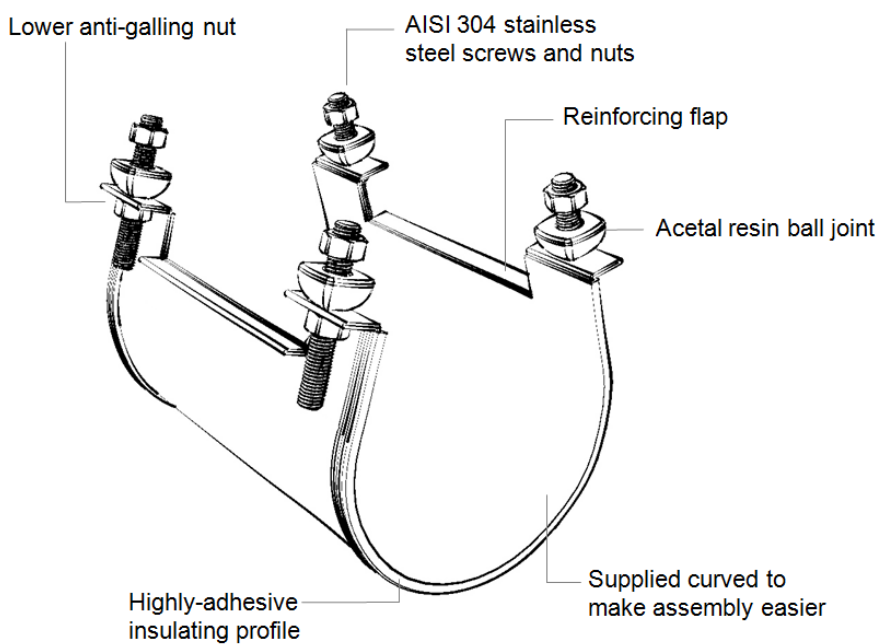
- ▶ Wide straps to fasten the flanged and PE outlet tapping saddles to polyethylene and oriented PVC pipes.
- ▶ Anti-galling system with double nut.
- ▶ The straps are supplied with 4 studs, 4 nuts and 4 ball joints.
- ▶ Supplied curved to make assembly easier.
- ▶ Highly-adhesive rubber profile to insulate the strap and the pipe.

MATERIALS

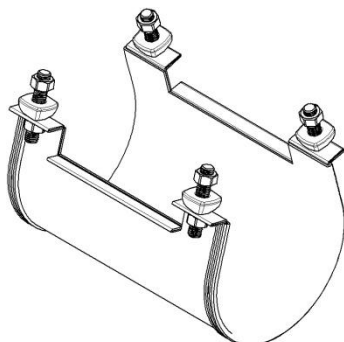
- ▶ Straps, nuts and studs made of AISI 304 stainless steel.
- ▶ Acetal resin spherical washers.
- ▶ Blue EPDM rubber insulating profile.



Advantages



WIDE STRAPS



Wide strap with ball joints,
studs and nuts

Codes, sizes and dimensions

WIDE STRAPS (for PE and oriented PVC pipes)				
Code	Size	Range of use Main pipe material		Weight per unit kg.
		PE	PVC-O	
OQ02050	160	160	160	2,020
OQ02055	180	180	180	2,230
OQ02060	200	200	200	2,480
OQ02070	225	225	225	2,610
OQ02080	250	250	250	3,030
OQ02085	280	280	280	3,300
OQ02090	315	315	315	3,670
OQ02095	355	355	355	4,150

PE-PE HOT CONNECTORS

NEW

Características

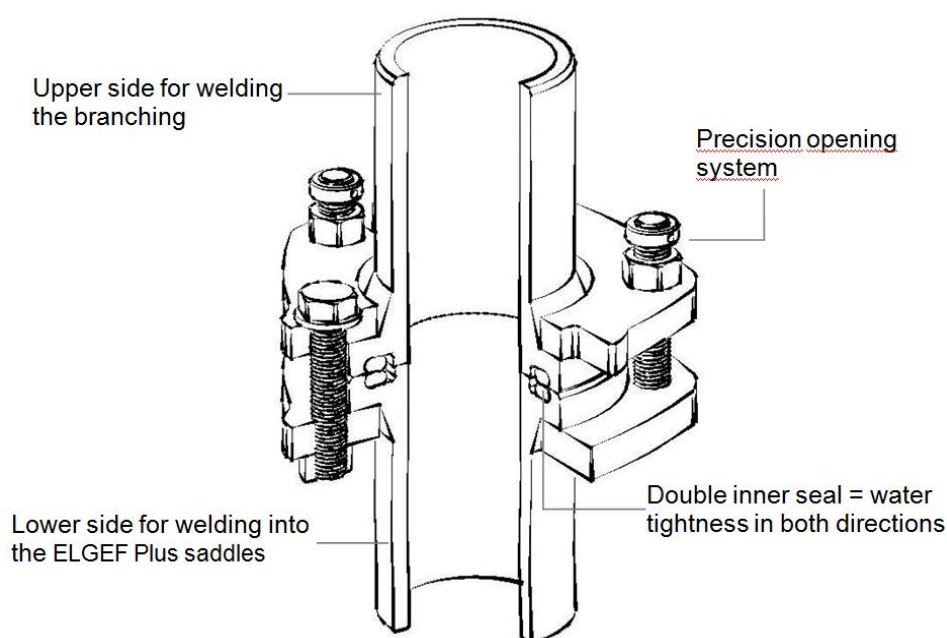
- ▶ **WORLD PREMIERE** ▶ Underpressure connectors to be inserted into a Georg Fischer's ELGEF Plus saddles enabling installation on $\varnothing 110$ to $\varnothing 630$ polyethylene main pipes.
- ▶ Excellent for electro welding branching, sizes PE90 and PE110.
- ▶ Due to its reduced dimensions, it can replace electrofusion valves in multiple installations.
- ▶ Sealing process by means of newly designed rotating shut-off blade.
- ▶ Both ways watertight blockage.
- ▶ PE pipe dimensions according the European standard EN 12201-3.
- ▶ PN 16 – Permissible working pressure (PWP): 16 bar.

MATERIALS

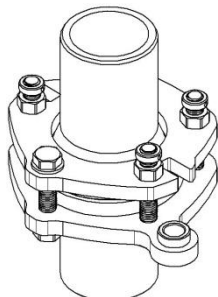
- ▶ Polyethylene PE100-SDR11-PN16 approved for drinking water.
- ▶ Steel flanges with zinc more epoxy coating.
- ▶ 8.8 steel screws and nuts with Geomet and zinc plus epoxy coating.



Advantages



PE-PE HOT CONNECTORS



Codes, sizes and dimensions

PE-PE HOT CONNECTORS						
Code	Size	Weight connector	Main pipe diameter		Height above de pipe	Weight kg.
			Min.	Max.		
OQ10770	PE 90	270	110	630	290	6,420
OQ10880	PE 110	299	110	630	320	

FLANGED HOT CONNECTORS

NEW

Characteristics

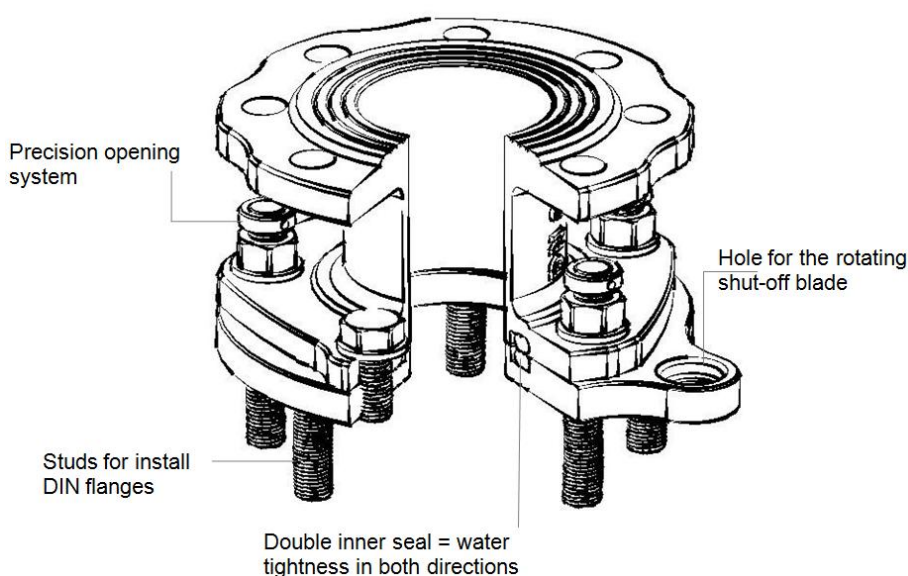
- ▶ **NEW** Hot connector to install upon any kind of standard flanged Tee.
- ▶ It is ideal for assemblies on duck foot fittings in fire hydrants installations where the use of shut-off valves is not permitted.
- ▶ Sealing process by means of newly designed rotating shut-off blade.
- ▶ Watertight in both ways.
- ▶ Designed according to the European standard EN 545.
- ▶ PN 16 – Permissible working pressure (PWP): 16 bar.

MATERIALS

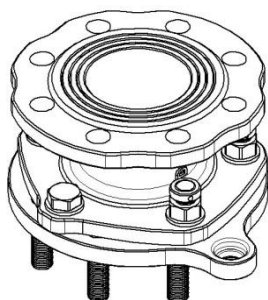
- ▶ EN-GJS-450-10 ductile iron body and spool and steel base flange.
- ▶ Epoxy coating approved for drinking water.
- ▶ Coating thickness between 250 and 500 micron.
- ▶ 8.8 steel screws and nuts with Geomet coating.



Advantages



FLANGED HOT CONNECTORS



Codes, sizes and dimensions

FLANGED HOT CONNECTORS					
Code	Size	Useful height	Lower studs		Weight kg.
		Connector	Length	Thread	
OQ11770	DN80	111	47	M.16	10,950
OQ11880	DN100	111	47	M.16	

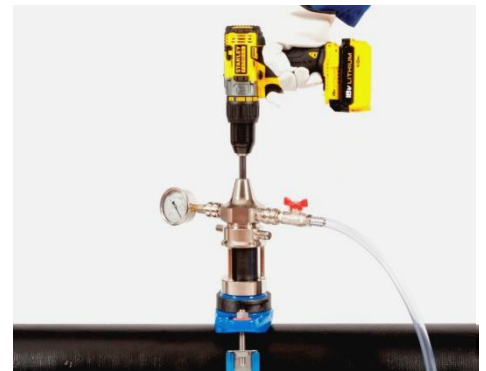
HDT Drilling Kits

Characteristics

- ▶ Drilling kits to install 1" to 2" tapping saddles. Composition supplied in accordance with customer requirements or to options proposed in page 22 table.
- ▶ All kit components appear in the diagram in this page's footer. They are manufactured with high quality materials and surface finishes, require minimum maintenance and are designed to withstand many years of hard work.
- ▶ Drill is equipped with quick connects to perform a pressure test before drilling the pipe. These same sockets are used to connect the manometer and the shavings drain valve.
- ▶ To drill the pipe we recommend using the Stanley FatMax with 4.0 Ah battery or similar.

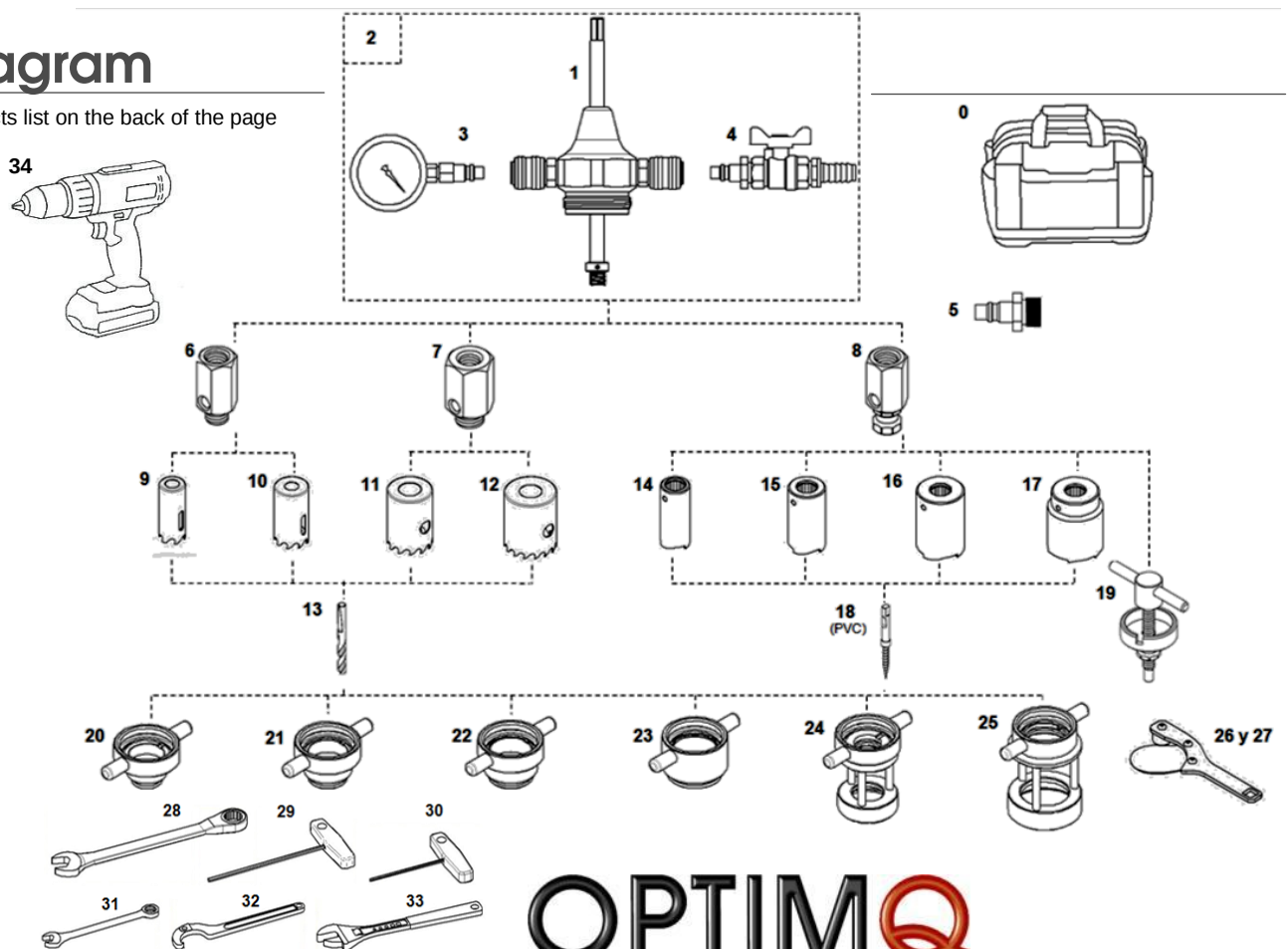
MATERIALS

- ▶ Tempered nickel plated stainless steel drill with quick connects.
- ▶ Starrett hole cutters with Widia tips for cast iron pipes and OPTIMQ tempered steels and nickel plated cutters for PE and PVC pipes .
- ▶ Remaining tools in tempered steels and nickel plated surface.



Diagram

Products list on the back of the page



HDT DRILLING KIT

N°	Code	Name	Customized composition	Recommended for threaded saddles 1" to 2" on iron pipes	Ditto for saddles of 1" and 2"	Recommended for threaded saddles on PE or PVC pipes	Ditto for saddles of 1" and 2"	Recommended for PE outlet saddles on iron pipes	Complete kit	Complete kit only for threaded saddles 1" to 2"	Complete kit only for PE outlet saddles (32 and 50)
				82110	82115	82120	82125	82130	82135	82140	82145
0	OQ80010	Tool Bag		1	1	1	1	1	1	1	1
1	OQ82210	HDT (Handy Drilling Tool) Basic									
2	OQ82220	HDT Basic + Manometer + Drain Tap		1	1	1	1	1	1	1	1
3	OQ82510	Manometer 16 bar + Quick Plug									
4	OQ82520	Drain Tap + Q. Plug + Hose Fitting									
5	OQ82530	½" Male Q.Plug to connect test pump		1	1	1	1	1	1	1	1
6	OQ82310	½" UNF Coupler		1	1			1	1	1	1
7	OQ82320	5/8" UNF Coupler		1	1			1	1	1	1
8	OQ82330	Oct. 15mm Coupler				1	1		1	1	1
9	OQ82410	Starrett Hole Saw 1" CT078		1	1			1	1	1	1
10	OQ82420	Starrett Hole Saw 1¼" CT118		1					1	1	
11	OQ82430	Starrett Hole Saw 1½" CT112		1				1	1	1	1
12	OQ82440	Starrett Hole Saw 2" CT134		1	1				1	1	
13	OQ82450	¼"x80 Widia Center Drill		1	1			1	1	1	1
14	OQ80610	PE/PVC 1" Hole Cutter				1	1		1	1	1
15	OQ80620	PE/PVC 1¼" Hole Cutter				1			1	1	
16	OQ80630	PE/PVC 1½" Hole Cutter				1			1	1	1
17	OQ80640	PE/PVC 2" Hole Cutter				1	1		1	1	
18	OQ80430	¼" (PVC) Retaining Screw				1	1		1	1	1
19	OQ80450	15mm PE/PVC Extractor				1	1		1	1	1
20	OQ80350	1" Adapter		1	1	1	1		1	1	
21	OQ80360	1¼" Adapter		1		1			1	1	
22	OQ80370	1½" Adapter		1		1			1	1	
23	OQ80380	2" Adapter		1	1	1	1		1	1	
24	OQ80320	PE32 Adapter						1	1		1
25	OQ80330	PE50 Adapter						1	1		1
26	OQ80840	1" Shut-off Blade		1	1	1	1	1	1	1	1
27	OQ80850	2" Shut-off Blade		1	1	1	1	1	1	1	1
28	OQ90292	19mm Ring Ratchet Spanner		1	1	1	1	1	1	1	1
29	OQ90307	3mm T-Handle Hex Key				1	1		1	1	1
30	OQ90308	4mm T-Handle Hex Key		1	1			1	1	1	1
31	OQ90886	11mm Combination Wrench		1	1	1	1	1	1	1	1
32	OQ90887	15-35mm Hook Wrench		1	1			1	1	1	1
33	OQ90888	8" Adjustable Wrench		1	1	1	1	1	1	1	1
34	---	Battery drill Stanley FatMax 4.0 Ah									

(*) 2m Drain Hose included.

“CLASSIC” DRILLING KITS

Characteristics

- ▶ Drilling kits are made up of the drilling device, cutters and tools indicated in the various options listed in the table on the back of this page, or in totally customized combinations.
- ▶ The kits are delivered in a very resistant, light weight tool bag, suited to the workers' needs.
- ▶ All kit components are manufactured in top materials, with excellence surface finishes and are designed to withstand hard work with only minimal maintenance.



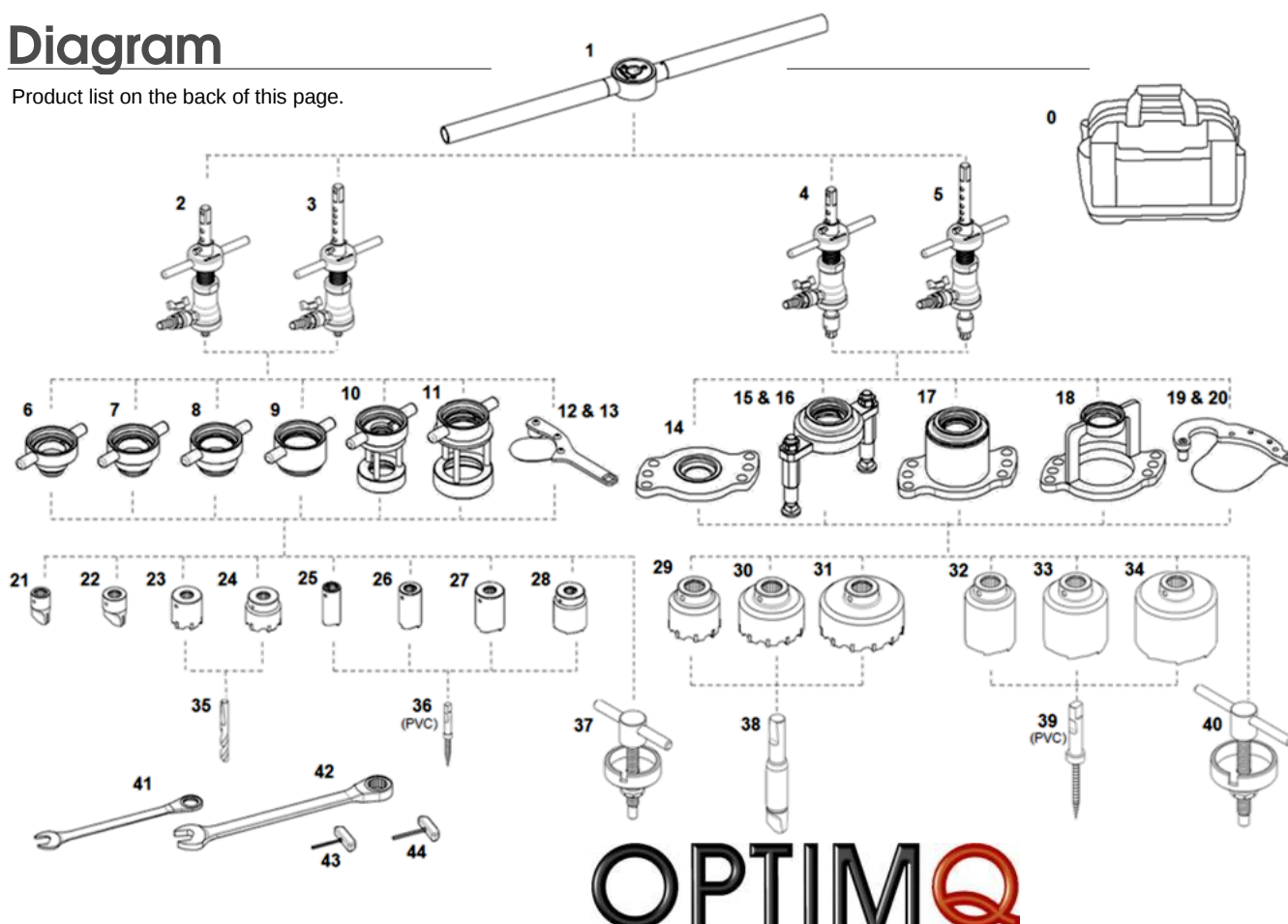
MATERIALS

- ▶ Tool bag with big polypropylene handles and a reinforced hard plastic bottom.
- ▶ Tempered nickel-plated steel drilling device, with tempered ground stainless steel shaft.
- ▶ Tempered and blued high-speed steel hole cutters, with tungsten carbide plates, to drill ductile iron and fiber cement pipes.
- ▶ Tempered nickel-plated alloy steel hole cutters to drill PE and PVC pipes.
- ▶ Tempered and polished stainless steel shut-off blades.
- ▶ All other tools, in tempered nickel-plated steel.



Diagram

Product list on the back of this page.



“CLASSIC” DRILLING KITS

N°	Code	Name	Customized composition	DN65, 80, 100 - PE90 & PE110				From 1" to 2", PE32 and PE50				
				Hot Flanged Saddles 80110	PE outlet & Flanged Saddles 80112	Ditto but only with D.I. Hole Cutters 80122	Ho. Flanged Saddles only with D.I. Hole Cutters 80125	Threaded Sdls. with PE and DI Hole Cutters 80151	Threaded Sdls. Only with D.I. Hole Cutters 80152	PE outlet & Threaded Sdls. PE & D.I. Cutters 80158	PE outlet & Threaded Sdls. D.I. Cutters 80159	PE outlet Sdls. D.I. Hole Cutters 80162
0	OQ80010	Tool Bag		1	1	1	1	1	1	1	1	1
1	OQ80710	Ratchet Wrench		1	1	1	1	1	1	1	1	1
2	OQ80211	“Classic” drilling device A-1 *						1	1			
3	OQ80215	“Classic” drilling device A-5 *								1	1	1
4	OQ80212	“Classic” drilling device A-2 *		1			1					
5	OQ80217	“Classic” drilling device A-7*			1	1						
6	OQ80350	1" Adapter						1	1	1	1	
7	OQ80360	1¼" Adapter						1	1	1	1	
8	OQ80370	1½" Adapter						1	1	1	1	
9	OQ80380	2" Adapter						1	1	1	1	
10	OQ80320	PE32 Adapter								1	1	1
11	OQ80330	PE50 Adapter								1	1	1
12	OQ80840	1" Shut-off Blade						1	1	1	1	1
13	OQ80850	2" Shut-off Blade						1	1	1	1	1
14	OQ80310	Flanged-Adapter		1	1	1	1					
15	OQ80340	PE90 Adapter			1	1						
16	OQ80345	PE110 Adapter			1	1						
17	OQ80314	Bell-Adapter										
18	OQ80315	Yoke-Adapter										
19	OQ80811	DN65/80 Shut-off Blade		1	1	1	1					
20	OQ80830	DN100 Blade		1	1	1	1					
21	OQ80510	1" DI/AC Drill Bit						1	1	1	1	1
22	OQ80520	1¼" DI/AC Drill Bit						1	1	1	1	1
23	OQ80530	1½" DI/AC Hole Cutter						1	1	1	1	1
24	OQ80540	2" DI/AC Hole Cutter						1	1	1	1	1
25	OQ80610	1" PE/PVC Hole Cutter						1		1		
26	OQ80620	1¼" PE/PVC Hole Cutter						1		1		
27	OQ80630	1½" PE/PVC Hole Cutter						1		1		
28	OQ80640	2" PE/PVC Hole Cutter						1		1		
29	OQ80550	2½" DI/AC Hole Cutter		1	1	1	1					
30	OQ80560	3" DI/AC Hole Cutter		1	1	1	1					
31	OQ80570	4" DI/AC Hole Cutter		1	1	1	1					
32	OQ80650	2½" PE/PVC Hole Cutter		1	1							
33	OQ80660	3" PE/PVC Hole Cutter		1	1							
34	OQ80670	4" PE/PVC Hole Cutter		1	1							
35	OQ80410	¼" (DI/AC) Center Drill						1	1	1	1	1
36	OQ80430	¼" (PVC) Retaining Screw						1		1		
37	OQ80450	15 mm (PE/PVC) Extractor						1		1		
38	OQ80420	Ø14 (DI/AC) Center Drill		1	1	1	1					
39	OQ80440	Ø10 (PVC) Retaining Screw		1	1							
40	OQ80460	20 mm (PE/PVC) Extractor		1	1							
41	OQ90292	19 mm Ring Ratchet Spanner		1	1	1	1	1	1	1	1	1
42	OQ90293	24 mm Ring Ratchet Spanner		1	1	1	1					
43	OQ90307	3 mm T-Handle Hex Key						1	1	1	1	1
44	OQ90308	4 mm T-Handle Hex Key		1	1	1	1					
	OQ80291	Spare Part Box (thrd. saddles)						1	1	1	1	1
	OQ80292	Spare Part Box (flgd. saddles)		1	1	1	1					

* 2m Drain Hose included

HDT - Handy Drilling Tool

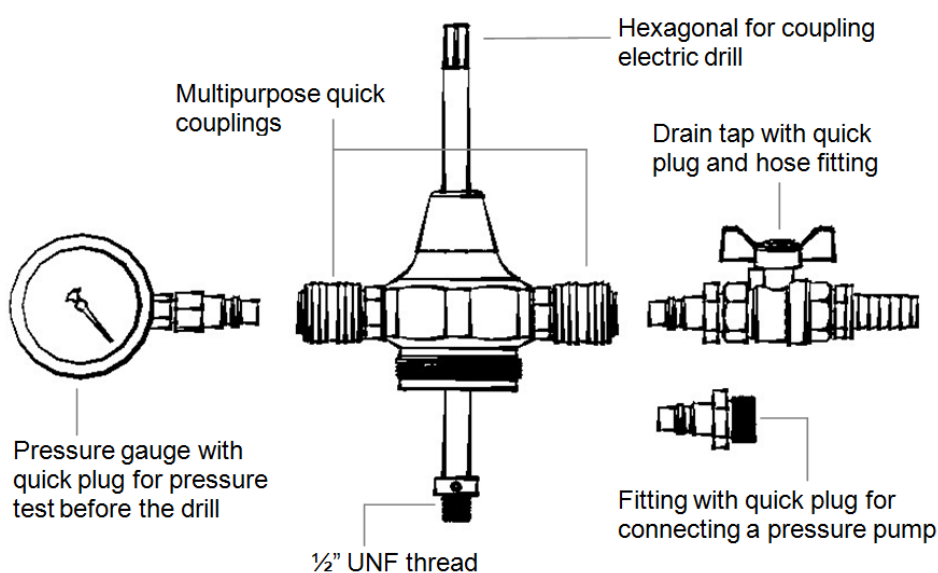
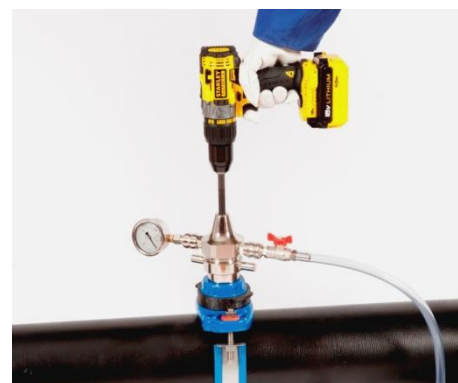
NEW

Characteristics

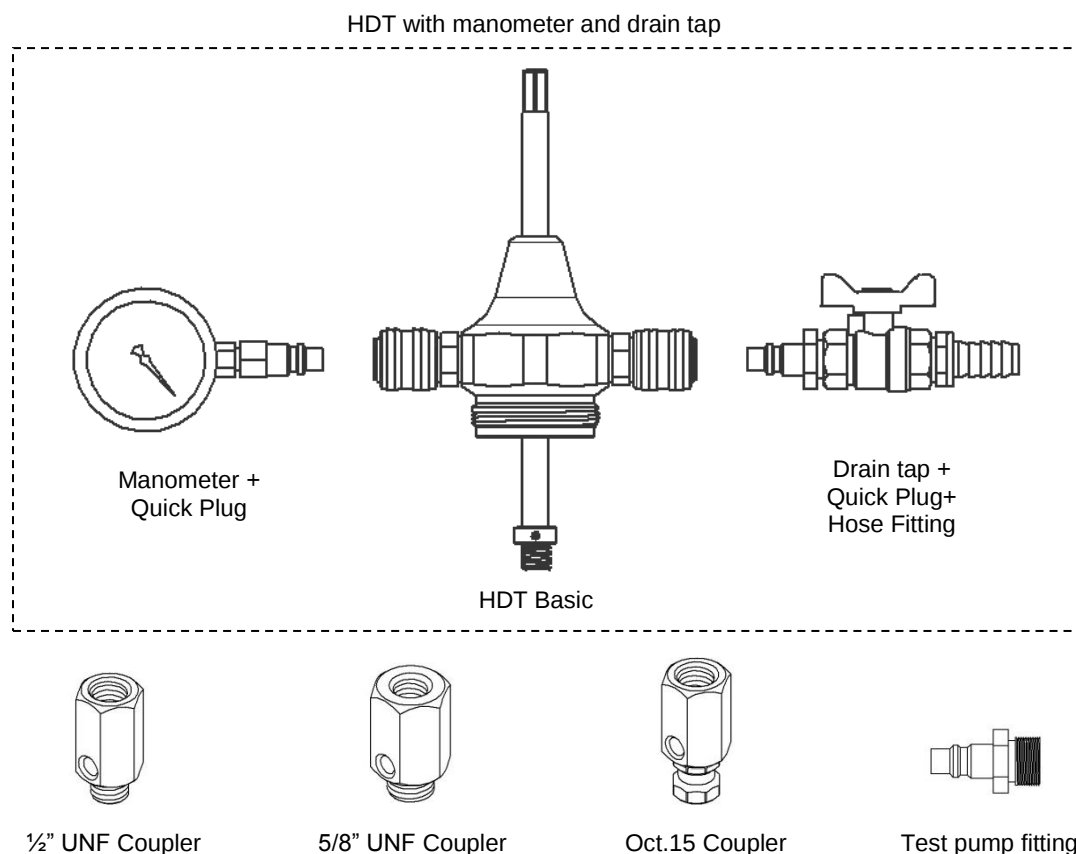
- ▶ **NEW** ▶ Easy to use drill for in-service pipe perforations.
- ▶ Suitable for threaded saddles to 2", PE32 and PE50 outlet saddles.
- ▶ Designed to be used with Stanley 4.0Ah or similar power drill.
- ▶ Allows performing leakage tests before drilling the pipe.
- ▶ Suitable with Starrett or similar hole cutters (pag. 35 and 36).
- ▶ Manufactured with high quality materials and surface finishes.
- ▶ Compact size and maximum robustness.
- ▶ Equipped with O-ring sealing and self-lubricating bearing.
- ▶ Can be supplied with manometer, shavings drain valve and link device for pressure pump connection.
- ▶ Three different coupling types are available: 1/2" for Starrett hole cutters up to $\varnothing 30$, 5/8" for Starrett hole cutters up to $\varnothing 44$ and Oct.15 couplings for PE and PVC OPTIMQ hole cutters (pages 33 and 34)

MATERIALS

- ▶ Tempered nickel plated stainless steel body.
- ▶ Rectified steel axis with Nitrovac-S treatment.
- ▶ Stainless steel couplings with Nitrovac-S treatment.
- ▶ Legris brand lateral quick-connects.
- ▶ Transparent drainage hose provided with the drill.



HDT - Handy Drilling Tool



Codes, names and dimensions

"HDT" and COMPONENTS			
Code	Name	Dimensions (mm) A – B – C – Thread	Weight kg
OQ82210	HDT (Handy Drilling Tool) Basic	236 – 153 – 75 – G2"	1,170
OQ82220	HDT Basic + Manometer + Drain tap	236 – 335 – 75 – G2"	1,540
OQ82510	Manometer 16 bar + Quick Plug	115 – 68 – 29 – quick plug	0,200
OQ82520	Drain Tap + Quick Plug + Hose Fitting	110 – 46 – 23 – quick plug	0,170
OQ82310	1/2" UNF Coupler	43 – hex. 20 – 1/2" F x 1/2" M UNF	0,080
OQ82320	5/8" UNF Coupler	43 – hex. 24 – 1/2" F x 5/8" M UNF	0,120
OQ83330	Oct. 15 Coupler	48 – hex. 22 – 1/2" F UNF x Oct.15	0,120
OQ82530	1/2" Male Q.Plug to connect test pump	46 – hex. 24 – G1/2" M	0,060
OQ90913	12x16mm Drain Hose	Ø12 – ø 16 – length: 2 meters	0,170

“CLASSIC” DRILLING DEVICE and SHAFTS

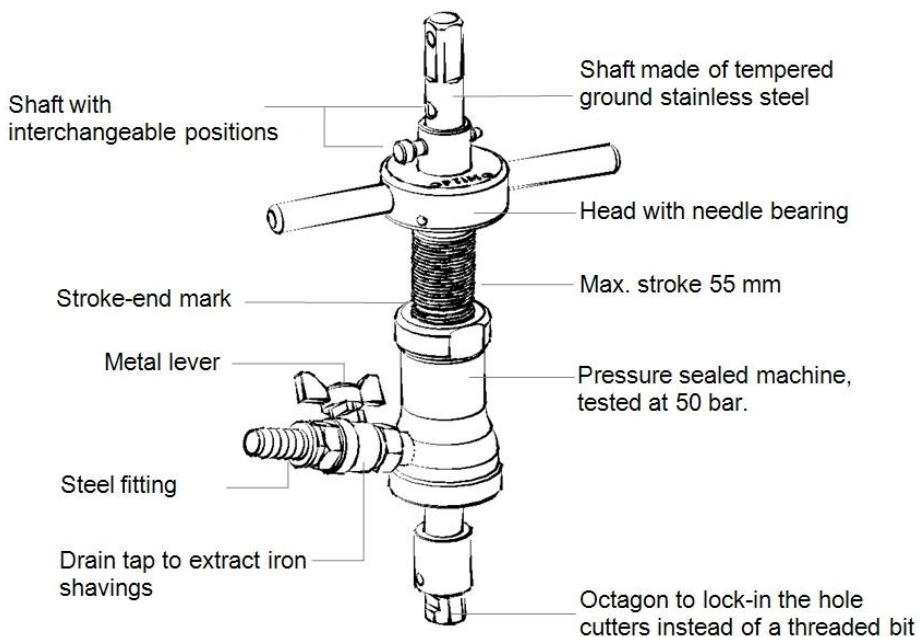
Characteristics

- ▶ Drilling devices to drill pipes in service.
- ▶ Include drain tap and hose to remove the shavings.
- ▶ 55-mm stroke, extendable using the different shaft positions.
- ▶ 5 Shafts type A with octagon to connect OPTIMQ cutters.
- ▶ 2 Shafts type B for use with Starrett hole cutters.
- ▶ Compact size and maximum resilience.
- ▶ Especially designed for use on site.
- ▶ Very easy maintenance.
- ▶ Fitted with tightening O-ring seals and self-lubricating bearings.
- ▶ High quality surface finish.

MATERIALS

- ▶ Tempered nickel-plated steel body.
- ▶ Tempered ground stainless steel shafts.
- ▶ Front needle bearing.
- ▶ Self-lubricating axial bearings.
- ▶ 1/2" nickel-plated brass drain tap.
- ▶ Nickel-plated steel drain fitting.
- ▶ Transparent drain hose supplied with the drill.

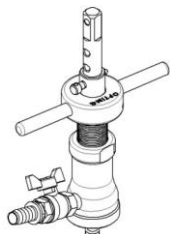
Advantages



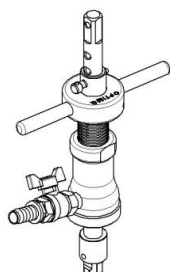
- Highest resistance of all pieces (tempered and nickel-plated steel)
- Highest efficiency with minimum weight and dimensions



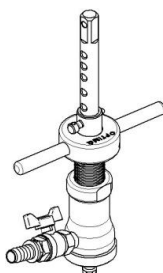
“CLASSIC” DRILLING DEVICE and SHAFTS



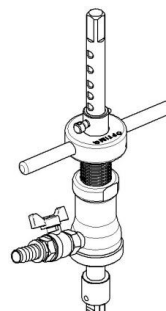
“Classic” device
with A-1 shaft



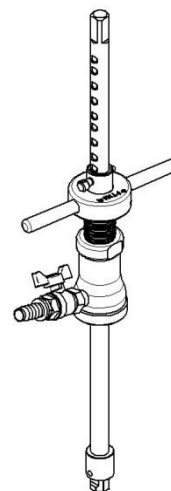
“Classic” device
with A-2 shaft



“Classic” device
with A-5 shaft



“Classic” device
with A-7 shaft



“Classic” device
with A-8 shaft

Codes, names and dimensions

CLASSIC DRILLING DEVICE							Weigh kg
Code	Name	Shaft dimensions (mm)					
		Square	Lenght	Diameter	Steps	Connection	
OQ80211	Classic device with A-1 shaft	17	295	20	3	Octog 15	2,310
OQ80212	Classic device with A-2 shaft	17	340	20	3	Octog 20	2,700
OQ80215	Classic device with A-5 shaft	17	345	20	6	Octog 15	2,600
OQ80217	Classic device with A-7 shaft	17	400	20	6	Octog 20	2,830
OQ80218	Classic device with A-8 shaft	17	630	20	10	Octog 20	3,360

RANGE OF USE OF THE CLASSIC SHAFTS		
Code	Name	Range of use
OQ90142	Shaft A-1 (oct:15-length:295-steps:3)	• Dry and hot threaded tapping saddles from 1" to 2"
OQ90143	Shaft A-2 (oct:20-length:340- steps:3)	• Slimline and hot flanged saddles, DN65, 80 and 100
OQ90563	Shaft A-5 (oct:15- length:345- steps:6)	• PE Outlet hot tapping saddles, PE32 and 50 • Dry and hot threaded tapping saddles from 1" to 2"
OQ90878	Shaft A-7 (oct:20-length:400- steps:6)	• PE Outlet hot tapping saddles, PE90 and 110 • Slimline and hot flanged saddles, DN65, 80 and 100
OQ90879	Shaft A-8 (oct:20-length:630 -steps:10)	• Slimline saddles + F4 or F5, DN80 & DN100 gate valve • ELGEF saddle + PE-PE 90 &110 Connector • Hawle saddles (ref. 5230 & 3510) DN80 &100 + F4 valve • Hawle saddles (ref. 5230 & 3510) DN80 & 100 + Connector
OQ90569	Shaft B-5 (½"UNF-length:320-steps:5)	• For Starrett Cutters 22 & 29mm fitted directly to the Shaft • For Starrett Cutters 38 & 44mm using the ½"x5/8" Coupler
OQ90568	Shaft B-7 (hex.11/32"-length:360-steps:6)	• For Starrett Cutters 54, 70 & 86mm using the Starrett Arbor A-10

STARRETT HOLE CUTTERS and CENTER DRILL

Characteristics

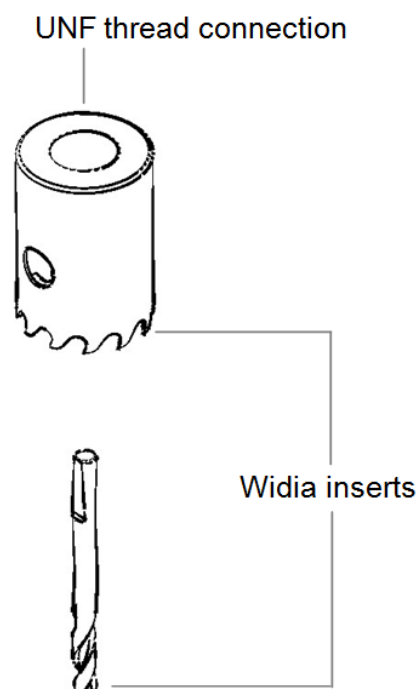
- ▶ Black Starrett hole cutters model CT with widia inserts suitable for drilling iron pipes lined cement and other abrasive materials.
- ▶ Yellow Starrett hole cutters model FCH suitable for drilling steel and stainless steel pipes.
- ▶ For use with HDT drills. Bind to the shaft of the drilling device by means of the corresponding coupler (see pages 25 and 26)).
- ▶ Also for use with Classic drills with axis B-5.
- ▶ Cutting depth 41mm.
- ▶ We recommend using these hole cutters with the widia center drill.

MATERIALS

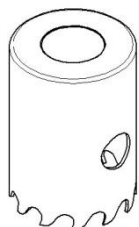
- ▶ Black hole cutters with widia teeth (tungsten carbide).
- ▶ Yellow hole cutters in bimetallic steel and constant pitch teeth.
- ▶ Steel drill bit widia-tipped (tungsten carbide).



Advantages



STARRETT HOLE CUTTERS and CENTER DRILL



Starrett hole cutter



Center drill bit
with widia insert

Codes, names and dimensions

STARRETT HOLE CUTTERS AND CENTER DRILL			
Code	Name	Dimensions (mm) Diameter – Height – Thread	Weight kg.
OQ82410	1" Black Starrett hole cutter CT Ø22	Ø 22 – 54 – ½" UNF	0,045
OQ82420	1¼" Black Starrett hole cutter CT Ø29	Ø 29 – 54 – ½" UNF	0,077
OQ82430	1½" Black Starrett hole cutter CT Ø38	Ø 38 – 54 – 5/8" UNF	0,085
OQ82440	2" Black Starrett hole cutter CT Ø44	Ø 44 – 46 – 5/8" UNF	0,095
OQ82610	1" Yellow Starrett hole cutter FCH Ø22	Ø 22 – 54 – ½" UNF	0,045
OQ82620	1¼" Yellow Starrett hole cutter FCH Ø30	Ø 30 – 53 – ½" UNF	0,077
OQ82630	1½" Yellow Starrett hole cutter FCH Ø38	Ø 38 – 46 – 5/8" UNF	0,085
OQ82640	2" Yellow Starrett hole cutter FCH Ø44	Ø 44 – 46 – 5/8" UNF	0,095
OQ82450	¼" Widia center drill bit	Ø 6,3 – length: 80	0,016

DRILL BITS, DI HOLE CUTTERS and CENTRE DRILLS

Characteristics

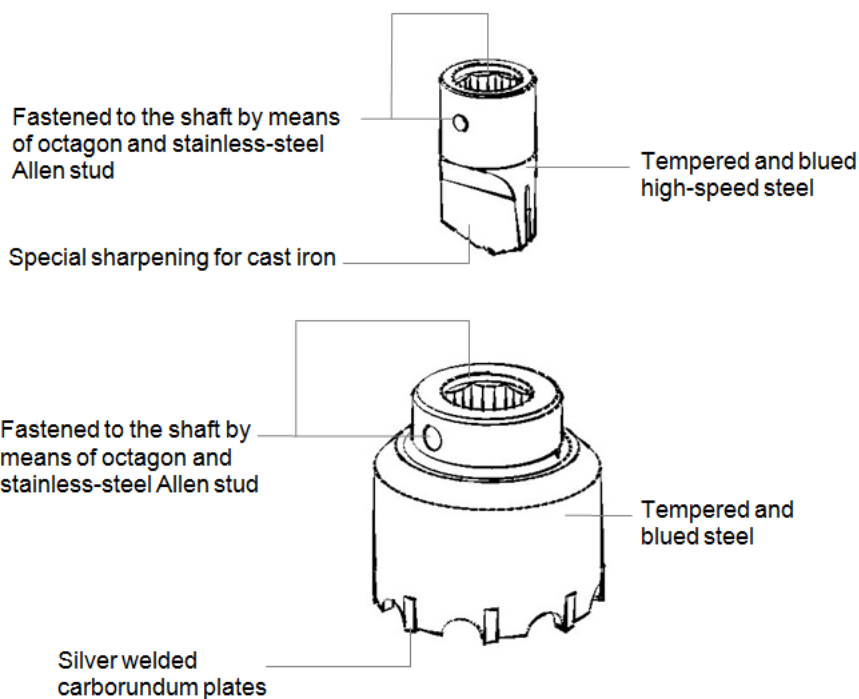
- ▶ Drill bits and hole cutters to drill iron and fibre cement pipes.
- ▶ Connected to the drill shaft by means of octagon and stud.
- ▶ Hole cutters with tungsten carbide plates welded to the body of the hole cutter.
- ▶ Centre drills to be used to drill ductile iron pipes. Optimise the work of the hole cutter and guarantee the recovery of the cut disc.

MATERIALS

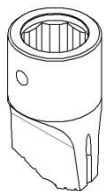
- ▶ Tempered and blued high-speed steel drill bits.
- ▶ Tempered and blued alloy steel hole cutters, with silver welded tungsten carbide plates.
- ▶ AISI 304 stainless steel Allen stud.
- ▶ Tempered and blued high-speed steel centre drills.
- ▶ Stainless steel retaining ring (only in Ø-14 centre drill).



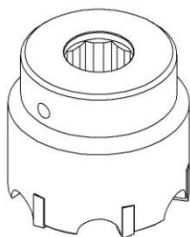
Advantages



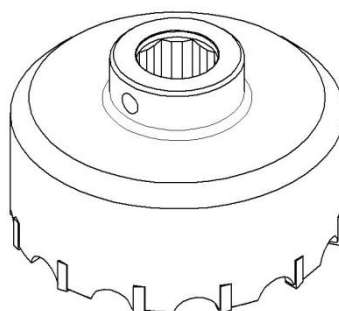
DRILL BITS, DI HOLE CUTTERS AND CENTRE DRILLS



1" - 1 1/4"
Drill bit



1 1/2" - 2"
DI Hole cutters



2 1/2" - 3" - 4"
DI Hole cutters



1/4"



Ø14
Centre drills

DRILL BITS, DI HOLE CUTTERS AND CENTRE DRILLS

Code	Name	Diameter mm	Connection mm	Height mm	Weight Kg.
OQ80510	1" DI/AC Drill bit	24	Octog 15	45	0,070
OQ80520	1 1/4" DI/AC Drill bit	30	Octog 15	45	0,120
OQ80530	1 1/2" DI/AC Hole cutter	38	Octog 15	40	0,160
OQ80540	2" DI/AC Hole cutter	44	Octog 15	40	0,180
OQ80550	2 1/2" DI/AC Hole cutter	55	Octog 20	54	0,250
OQ80560	3" DI/AC Hole cutter	70	Octog 20	54	0,340
OQ80570	4" DI/AC Hole cutter	86	Octog 20	54	0,450
OQ80410	1/4" Centre drill (DI/AC)	6,3	Ø 6,3	62	0,010
OQ80420	Ø14 Centre drill (DI/AC)	14,5	Ø 10	89	0,077

PE/PVC HOLE CUTTERS, EXTRACTORS AND RETAINING SCREWS

Characteristics

- ▶ Hole cutters to drill polyethylene and PVC pipes.
- ▶ Connected to the device shaft by means of octagon and stud.
- ▶ Hole cutters with closed inner diameter to keep the shavings inside the hole cutters.
- ▶ Extractor needed to adequately extract the discs from inside the PE/PVC hole cutters.
- ▶ Extractor with knurled head and cross-cut extractor to make extraction easier.
- ▶ Retaining screws to retain the disc when drilling PVC pipes. Two parallel planes available for unscrewing the disc after drilling the hole.
- ▶ Retaining screws must be placed in the lower hole of the respective drilling device shaft and fixed with the shaft stud.

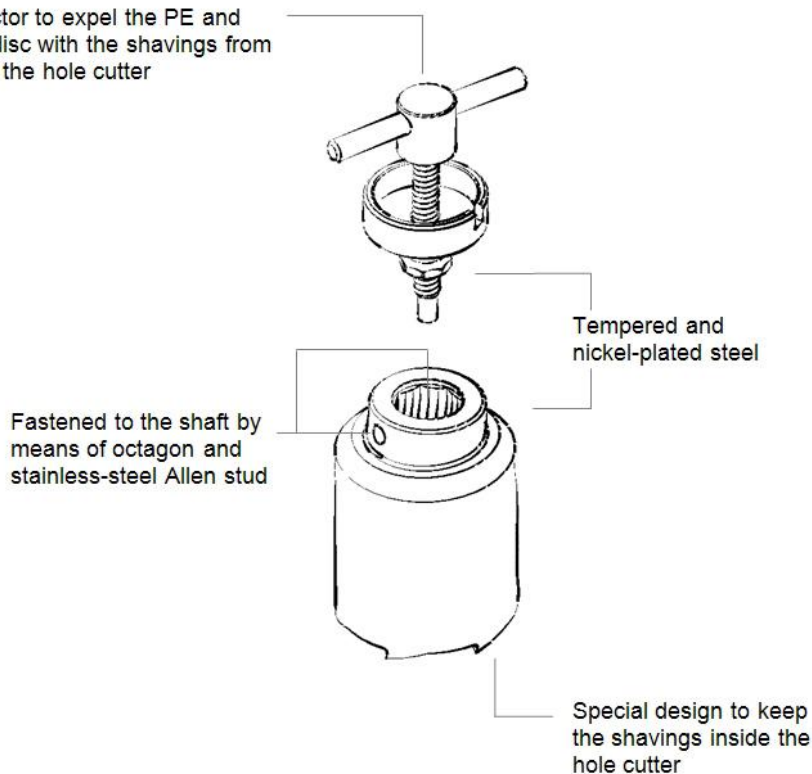
MATERIALS

- ▶ Tempered nickel-plated alloy steel hole cutters, extractors and retaining screws.
- ▶ Hole cutters with AISI 304 stainless steel Allen stud.

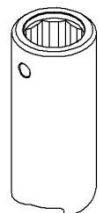


Advantages

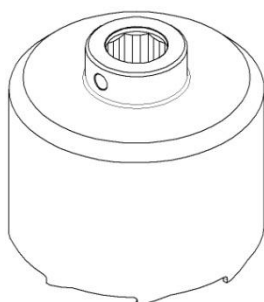
Extractor to expel the PE and PVC disc with the shavings from inside the hole cutter



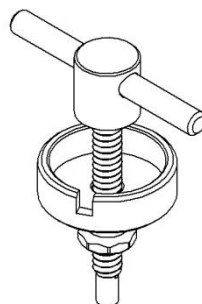
PE/PVC HOLE CUTTERS, EXTRACTORS and RETAINING SCREWS



1" - 2"
PE Hole cutters



1 1/2" - 4"
PE Hole cutters



Extractor



Retaining screw

Codes, names and dimensions

PE/PVC HOLE CUTTERS					
Code	Name	Diameter mm	Connection mm	Height mm	Weight kg
OQ80610	1" PE/PVC Hole cutter	23	Octog 15	55	0,050
OQ80620	1 1/4" PE/PVC Hole cutter	29	Octog 15	55	0,080
OQ80630	1 1/2" PE/PVC Hole cutter	37	Octog 15	55	0,130
OQ80640	2" PE/PVC Hole cutter	43	Octog 15	55	0,150
OQ80650	2 1/2" PE/PVC Hole cutter	55	Octog 20	80	0,290
OQ80660	3" PE/PVC Hole cutter	70	Octog 20	80	0,370
OQ80670	4" PE/PVC Hole cutter	86	Octog 20	80	0,500

PE/PVC EXTRACTORS AND PVC RETAINING SCREWS					
Code	Name	Arm length mm	Connection mm	Height mm	Weight kg
OQ80450	15-mm PE/PVC Extractor	70	Octog 15	82	0,130
OQ80460	20-mm PE/PVC Extractor	70	Octog 20	106	0,210
OQ80430	1/4" Retaining screw for PVC	---	Ø 6,3	74	0,010
OQ80440	Ø 10 Retaining screw for PVC	---	Ø 10	102	0,080

PE ADAPTERS

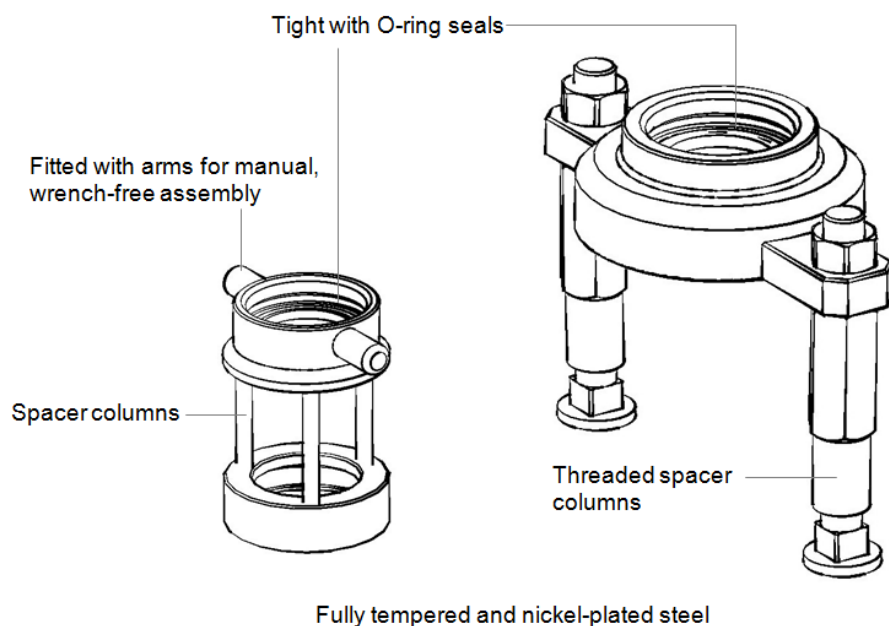
Characteristics

- ▶ PE32 and PE50 adapters to connect the Classic and HDT drilling device to PE32 and PE50 hot tapping saddles.
- ▶ PE90 and PE110 adapters to connect the Classic drilling device to PE90 and PE110 hot tapping saddles and 90 and 110 PE-PE hot connectors.
- ▶ High quality surface finish.
- ▶ Easy to use and maximum robustness.
- ▶ Designed to use on site.
- ▶ With O-ring seals for under-pressure connections.

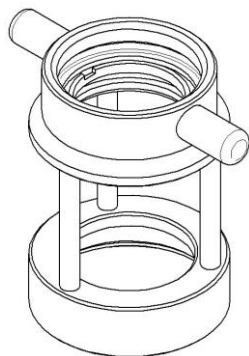
MATERIALS

- ▶ Tempered nickel-plated stainless steel body and columns.
- ▶ NBR rubber O-ring seals.

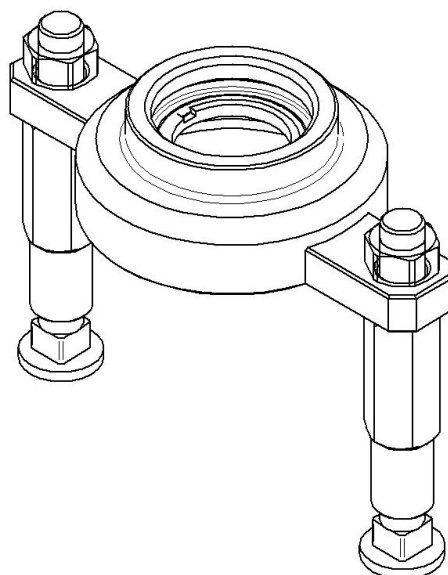
Advantages



PE ADAPTERS



Adapters PE32 and PE50



Adapters PE90 and PE110

Codes, names and dimensions

PE ADAPTERS					
Code	Name	Connections		Height	Weight
		to drill	to saddle	mm	kg
OQ80320	Adapter PE32	G 2"	M56x4	99	0,740
OQ80330	Adapter PE50	G 2"	M73x4	113	0,770
OQ80340	Adapter PE90	G 2"	PE90	145	1,820
OQ80345	Adapter PE110	G 2"	PE110	165	2,290

FLANGED ADAPTERS

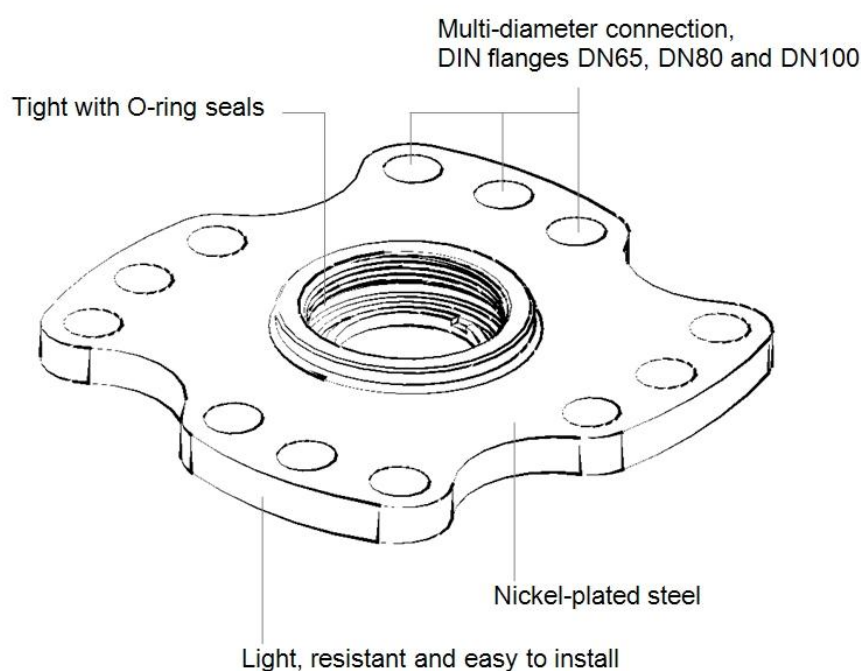
Characteristics

- ▶ **Flanged-adapters** to connect Classis drilling devices to under-pressure flanged tapping saddles.
- ▶ **Yoke-adapters** to connect Classic drilling devices to slimline saddles in pressure-free operations.
- ▶ **Bell-adapters** to connect Classic drilling devices in under-pressure connections by means of a gate valve (see A-8 axis in page 28).
- ▶ Each of the three adapters can be used indistinctively on 2½", 3" and 4" saddles.
- ▶ In flanged-adapters and bell-adapters, leaktightness is guaranteed by o-ring seals.

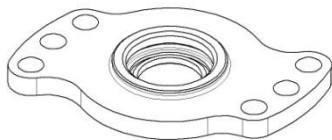
MATERIALS

- ▶ Nickel plated steel.
- ▶ NBR rubber o-ring seals.

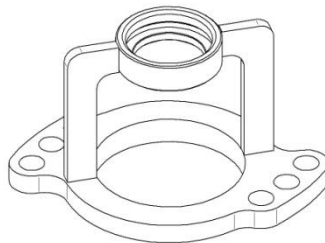
Advantages



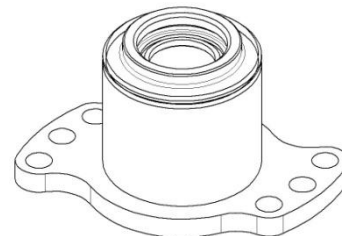
FLANGED ADAPTERS



Flange-adapter



Yoke-adapter



Bell-adapter

Codes, names and dimensions

FLANGE-ADAPTER, YOKE-ADAPTER AND BELL-ADAPTER					
Code	Name	Connections		Height mm	Weight mm
		to drill	Flange (DIN)		
OQ80310	Flange-adapter	G 2"	2½" - 3" - 4"	19	1,870
OQ80315	Yoke-adapter	G 2"	2½" - 3" - 4"	120	1,780
OQ80314	Bell-adapter	G 2"	2½" - 3" - 4"	106	2,050

THREADED ADAPTERS

Characteristics

- ▶ Adapters to connect the drilling device to threaded tapping saddles.
- ▶ High quality surface finish.
- ▶ Fitted with arms for manual assembly and dismantling.
- ▶ With O-ring seals for under-pressure connections.

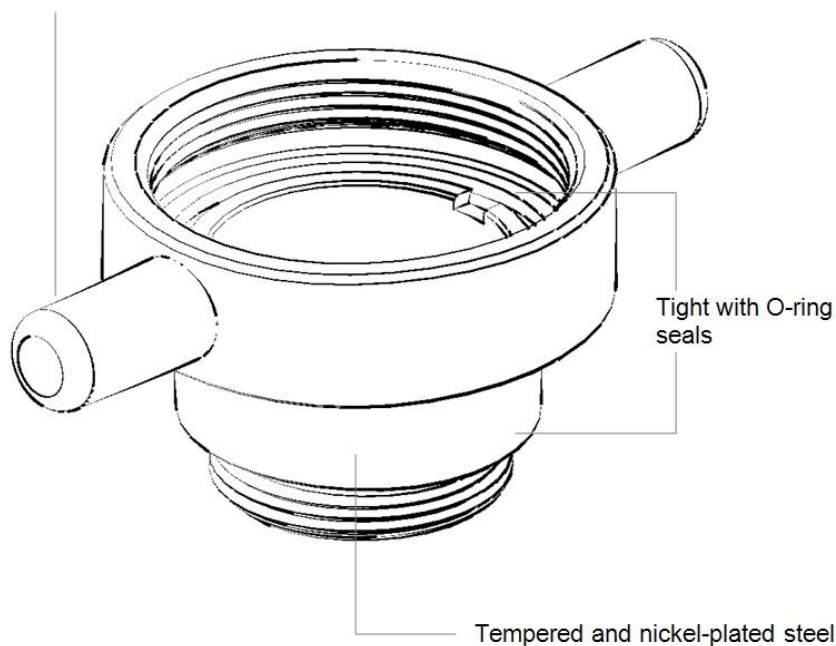
MATERIALS

- ▶ Tempered nickel-plated stainless steel body.
- ▶ NBR rubber O-ring seals.



Advantages

Fitted with arms for manual,
wrench-free assembly



THREADED ADAPTERS



Threaded adapter

Codes, names and dimensions

THREADED ADAPTERS					
Code	Name	Connections		Height	Weight
		to drill	to saddle	mm	Kg.
OQ80350	1" Adapter	G 2"	G 1"	49	0,390
OQ80360	1¼" Adapter	G 2"	G 1¼"	49	0,420
OQ80370	1½" Adapter	G 2"	G 1½"	49	0,450
OQ80380	2" Adapter	G 2"	G 2"	49	0,530

SHUT-OFF BLADES

Characteristics

- ▶ Shut-off blades for under pressure tapping saddles and connectors.

SHUT-OFF BLADES FOR THREADED and PE32&50 OUTLET SADDLES

- ▶ Shut-off blades for **OPTIMQ** thread saddles of $\frac{3}{4}$ ", 1", 1½" and 2" and PE outlet saddles sizes PE32 and PE50
- ▶ It can be moved by hand or with a $\frac{3}{4}$ " wrench or a $\frac{1}{2}$ " ratchet wrench.

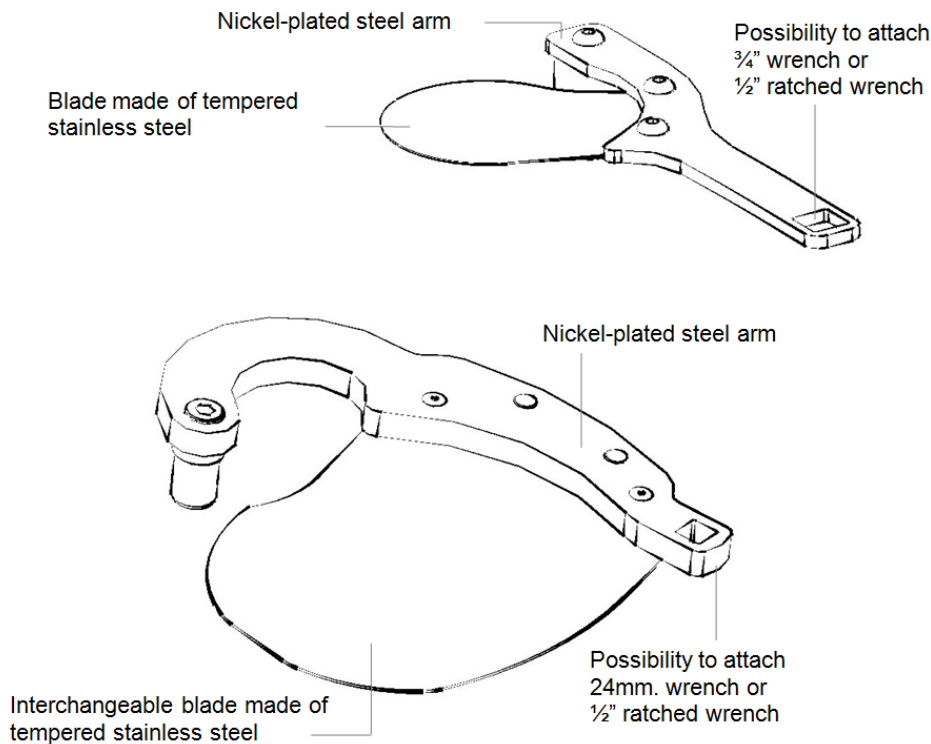
SHUT-OFF BLADES FOR FLANGED and PE90&110 OUTLET SADDLES

- ▶ The DN65/80 and DN100 shut-off blades are assembled on the same arm
- ▶ By coupling the 24-mm wrench to the arm butt the shut-off blade can be removed under pressures of more than 10bar.
- ▶ Quick blade-change system.

MATERIALS

- ▶ Nickel-plated steel arm.
- ▶ Heat treated stainless steel blade.
- ▶ Treated nickel-plated steel screws.

Advantages

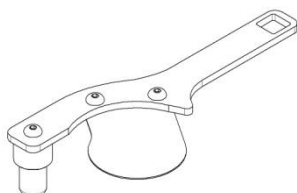


NEW

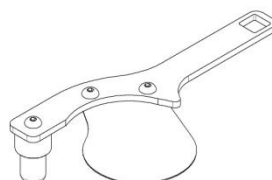


SHUT-OFF BLADES

SHUT-OFF BLADE FOR THREADED AND PE32&PE50 OUTLET SADDLES

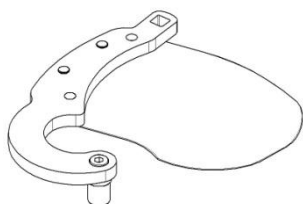


1" Shut-off blade

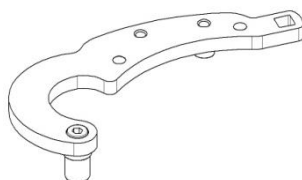


2" Shut-off blade

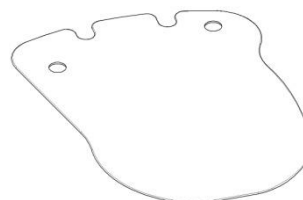
SHUT-OFF BLADE FOR DN65, DN80, DN100 FLANGED AND PE90&PE110 OUTLET SADDLES AND CONNECTORS



Shut-off blade



Arm blade



Blade

Codes, names and dimensions

SHUT-OFF BLADES			
Code	Name	Dimensions mm	Weight kg
OQ80840	1" Shut-off blade (for ¾", 1" & PE32)	175 x 80 x 40	0,190
OQ80850	2" Shut-off blade (for 1¼", 1½", 2" & PE50)	175 x 100 x 40	0,200
OQ80811	65/80 Shut-off blade	250 x 220 x 60	1,340
OQ80812	100 Shut-off blade	250 x 200 x 60	1,380
OQ80810	Arm blade	250 x 120 x 60	1,160
OQ80820	65/80 Blade	200 x 150 x 1	0,180
OQ80830	100 Blade	220 x 150 x 1	0,220

WRENCHES

Characteristics

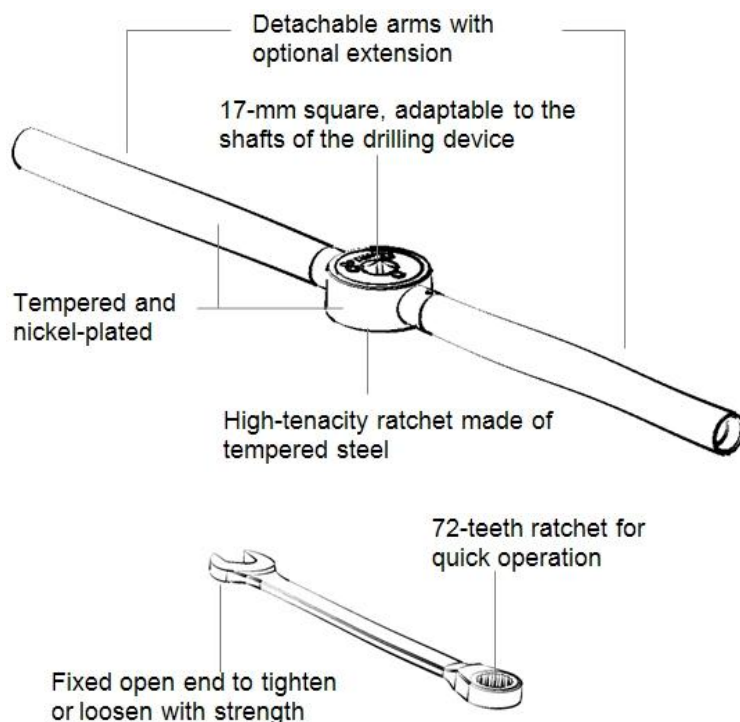
- ▶ **Ratchet wrench** for operating with “Classic” drilling machine. Highly resistant mechanism, designed for hard works. Total length of 640mm with one detachable arm to use in reduced spaces.
- ▶ **19mm and 24mm Ring ratchet spanner** for the installation of straps and flanged saddles. Fixed open end and 72-teeth ratchet with polygonal ring. Practical tools for use on site.
- ▶ **8” Adjustable wrench** to be used with HDT drilling machine. For the assembly of the couplers and other assemblies.
- ▶ **15-35mm Hook wrench** to be used with HDT. Foreseen for unscrewing Starrett hole cutters and similar.
- ▶ **11 mm Combination wrench** to be used with HDT. It adapts to hexagonal axe of HDT to facilitate assembly and removal of Starrett hole cutters and similar.
- ▶ **3mm and 4mm T-handle hex key** tightening screws of OPTIMQ and hole cutters and couplers for Starrett hole cutters.

MATERIALS

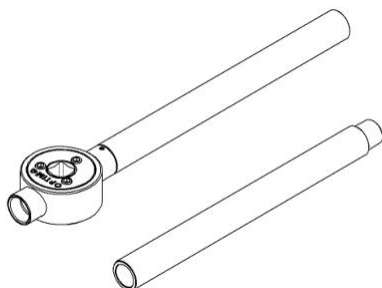
- ▶ Nickel plated steel



Advantages



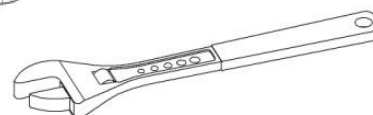
WRENCHES



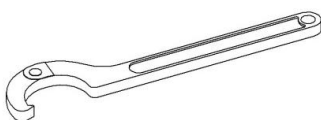
Ratchet Wrench



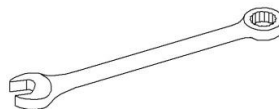
Ring Ratchet Spanner



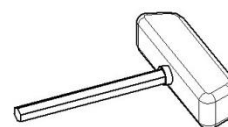
Adjustable Wrench



Hook Wrench



Combination Wrench



T-handle hex key

Codes, names and dimensions

KEYS			
Code	Name	Dimensions mm	Weight kg
OQ80710	Ratchet Wrench	Total length: 640 – Square shaft: 17	2,070
OQ90292	19mm Ring Ratchet Spanner	Length: 250	0,220
OQ90293	24mm Ring Ratchet Spanner	Length: 32	0,500
OQ90886	11mm Combination Wrench	Length: 150	0,030
OQ90887	15-35mm Hook Wrench	Length: 170 – ø15 a 35	0,100
OQ90888	8" Adjustable Wrench	Length: 210 – Maximum aperture: 28	0,240
OQ90307	3mm T-handle hex key	Length: 120 – Handle: 90	0,030
OQ90308	4mm T-handle hex key	Length: 175 – Handle: 90	0,040

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