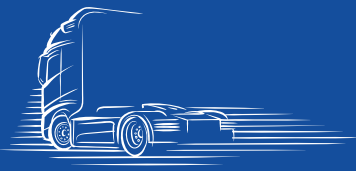


+90 216 471 02 16

www.orpasanoto.com







ABOUT OUR COMPANY

Orpasan Otomotiv İnş. San. ve Tic. Ltd. Şti, has been operating in the automotive sector since 1998. It has a voice both in the national and international arena with the experience it has gained and is a locomotive company in the sector.

Orpasan Automotive designs, manufactures, sells and exports heavy vehicle air brake and suspension couplings in its factory in Ataşehir, Istanbul.

The mission of our company is to be a reliable solution partner for our customers, and to become the preferred company with its service quality and competitive position. The most basic feature of our company is that it is open to development and change with an innovative perspective. Additionally, Orpasan Automotive, with its 25 years of experience, aims to further strengthen its position in the foreign market by offering the highest quality product at the most affordable price to its customers.

Our main export countries are Austria, Bulgaria, Czech Republic, Egypt, England, France, Germany, Greece, Hungary, Italy, Netherlands, Poland, Portugal, Romania, Russia, Slovenia, South Africa, Spain, Azerbaijan, Lebanon, Saudi Arabia, Iran, Uzbekistan, Turkmenistan, Kazakhstan, Tajikistan, Afghanistan, Pakistan, Israel, Oman, Northern Ireland, and the United Arab Emirates.

The company's goal is to increase the number of countries it exports to from 40 countries to over 60 in 2023.

Our company has ISO 9001:2015, ISO 14001:2015, ISO 27001:2013, ISO 10002:2018, ISO 45001:2018 quality certificates.

OUR QUALITY POLICIES;

Raising satisfaction and loyalty of our customers by always being customer friendly. Being reliable and pioneer by all means in our industry. To complete the commitments at the desired time and quality with optimum price point. To always serve better by making innovation a principle. Keeping the quality at the forefront from the entry and delivery of a product. Paying respect to the nature by decreasing consumption of harmful resources. Being open to get more improved by following the latest technologic developments. Having transparency and honesty to our colleagues, staff members and most importantly, our clients. To follow the current rules and standards.



High-quality connection components...

ASSEMBLY INFORMATION

Max torque values*

Thread	Tightening Torque (Nm) ± 10
M10 x 1	22
M12 x 1.5	24
M14 x 1.5	30
M16 x 1.5	35
M18 x 1.5	36
M22 x 1.5	40
M26 x 1.5	45

Depth of coupling*

Ø Pipe (mm)	Depth of Coupling (H)
6 x 4	19,8
8 x 6	20,5
10 x 7	24
10 x 7,5	24
10 x 8	24
12 x 9	25
15 x 12	27
16 x 12	27
18 x 14	27

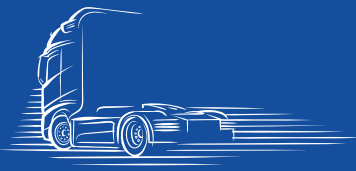
*For use in applicaion in compressed air systems in commercial vehicles:

- at working conditions:

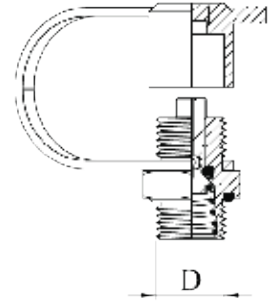
* -50°C - +100°C (+120°C without function)

* max 14.5 bar



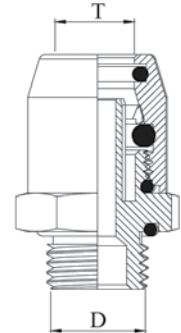


TEST POINT

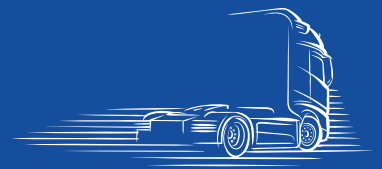


Product Code	Product Name	D
ORP 4012	Test Point	M12 x 1,5
ORP 4013	Test Point	R1/4
ORP 4014	Test Point	M14 x 1,5
ORP 4015	Test Point	M12x1,5 Female
ORP 4016	Test Point	M16 x 1,5
ORP 4017	Test Point	M16x1,5 Female
ORP 4022	Test Point	M22 x 1,5

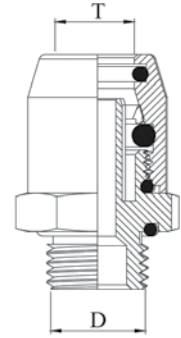
PUSH-IN COUPLING



Product Code	Product Name	D	Tube Ø
ORP 4120	Push-in Coupling	M10x1,0	6x1,0
ORP 4121	Push-in Coupling	R1/8	6x1,0
ORP 4122	Push-in Coupling	M12x1,5	6x1,0
ORP 4123	Push-in Coupling	R1/4	6x1,0
ORP 4124	Push-in Coupling	M14x1,5	6x1,0
ORP 4126	Push-in Coupling	M16x1,5	6x1,0
ORP 4129	Push-in Coupling	M22x1,5	6x1,0

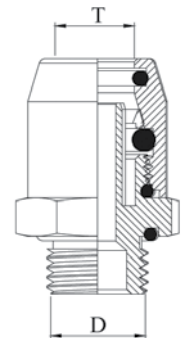


PUSH-IN COUPLING

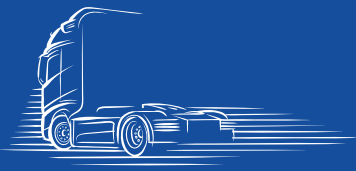


Product Code	Product Name	D	Tube Ø
ORP 4130	Push-in Coupling	M10x1,0	8x1,0
ORP 4131	Push-in Coupling	R1/8	8x1,0
ORP 4132	Push-in Coupling	M12x1,5	8x1,0
ORP 4133	Push-in Coupling	R1/4	8x1,0
ORP 4134	Push-in Coupling	M14x1,5	8x1,0
ORP 4135	Push-in Coupling	M16x1,5	8x1,0
ORP 4138	Push-in Coupling	R1/2	8x1,0
ORP 4139	Push-in Coupling	M22x1,5	8x1,0
ORP 4140	Push-in Coupling	M26x1,5	8x1,0

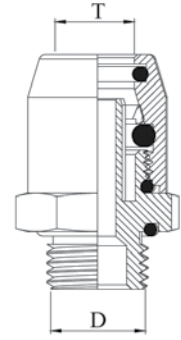
PUSH-IN COUPLING



Product Code	Product Name	D	Tube Ø
ORP 4141	Push-in Coupling	M10x1,0	9x1,5
ORP 4142	Push-in Coupling	R1/8	9x1,5
ORP 4143	Push-in Coupling	M12x1,5	9x1,5
ORP 4144	Push-in Coupling	R1/4	9x1,5
ORP 4145	Push-in Coupling	M14x1,5	9x1,5
ORP 4146	Push-in Coupling	M16x1,5	9x1,5
ORP 4147	Push-in Coupling	M22x1,5	9x1,5
ORP 4148	Push-in Coupling	M26x1,5	9x1,5

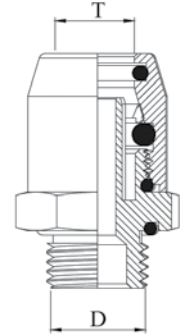


PUSH-IN COUPLING

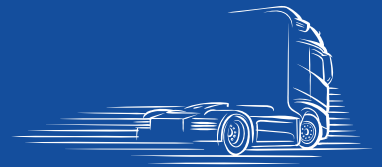


Product Code	Product Name	D	Tube Ø
ORP 4150	Push-in Coupling	M10x1,0	10x1,0
ORP 4151	Push-in Coupling	R1/8	10x1,0
ORP 4152	Push-in Coupling	M12x1,5	10x1,0
ORP 4153	Push-in Coupling	R1/4	10x1,0
ORP 4154	Push-in Coupling	M14x1,5	10x1,0
ORP 4156	Push-in Coupling	M16x1,5	10x1,0
ORP 4159	Push-in Coupling	M22x1,5	10x1,0
ORP 4160	Push-in Coupling	M26x1,5	10x1,0

PUSH-IN COUPLING

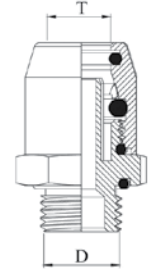


Product Code	Product Name	D	Tube Ø
ORP 4180	Push-in Coupling	M10x1,0	12x1,5
ORP 4181	Push-in Coupling	R1/8	12x1,5
ORP 4182	Push-in Coupling	M12x1,5	12x1,5
ORP 4183	Push-in Coupling	R1/4	12x1,5
ORP 4184	Push-in Coupling	M14x1,5	12x1,5
ORP 4186	Push-in Coupling	M6x1,5	12x1,5
ORP 4187	Push-in Coupling	M18x1,5	12x1,5
ORP 4188	Push-in Coupling	R1/2	12x1,5
ORP 4189	Push-in Coupling	M22x1,5	12x1,5
ORP 4190	Push-in Coupling	M26x1,5	12x1,5
ORP 4192	Push-in Coupling	R3/8	12x1,5



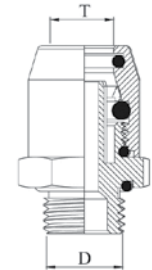
PUSH-IN COUPLING

Product Code	Product Name	D	Tube Ø
ORP 4196	Push-in Coupling	M16x1,5	14x2,0
ORP 4198	Push-in Coupling	M22x1,5	14x2,0



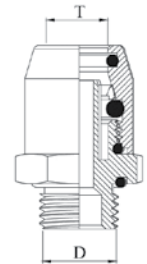
PUSH-IN COUPLING

Product Code	Product Name	D	Tube Ø
ORP 4206	Push-in Coupling	M16x1,5	15x1,5
ORP 4209	Push-in Coupling	M22x1,5	15x1,5
ORP 4210	Push-in Coupling	M26x1,5	15x1,5



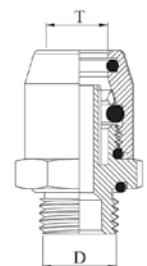
PUSH-IN COUPLING

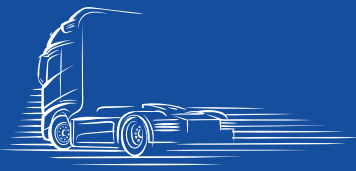
Product Code	Product Name	D	Tube Ø
ORP 4226	Push-in Coupling	M16x1,5	16x2,0
ORP 4228	Push-in Coupling	R1/2	16x2,0
ORP 4229	Push-in Coupling	M22x1,5	16x2,0
ORP 4230	Push-in Coupling	M26x1,5	16x2,0



PUSH-IN COUPLING

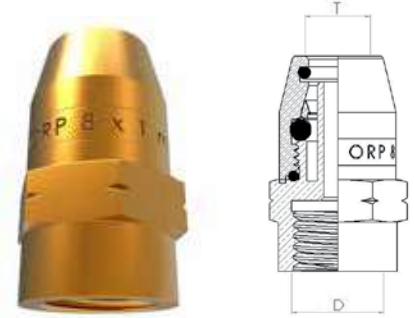
Product Code	Product Name	D	Tube Ø
ORP 4235	Push-in Coupling	M16x1,5	18x2,0
ORP 4237	Push-in Coupling	M22x1,5	18x2,0
ORP 4239	Push-in Coupling	M26x1,5	18x2,0





FEMALE PUSH-IN COUPLING

Product Code	Product Name	D	Tube Ø
ORP 4132F	Female Push-in Coupling	M12x1,5	8x1,0
ORP 4133F	Female Push-in Coupling	R1/4	8x1,0
ORP 4135F	Female Push-in Coupling	M16x1,5	8x1,0
ORP 4156F	Female Push-in Coupling	M16x1,5	10x1,0
ORP 4159F	Female Push-in Coupling	M22x1,5	10x1,0
ORP 4186F	Female Push-in Coupling	M16x1,5	12x1,5
ORP 4189F	Female Push-in Coupling	M22x1,5	12x1,5



EQUAL TUBE CONNECTOR

Product Code	Product Name	Tube Ø
ORP 4280	Equal Tube Connector	6 x 1,0
ORP 4281	Equal Tube Connector	8 x 1,0
ORP 4282	Equal Tube Connector	9 x 1,5
ORP 4285	Equal Tube Connector	10 x 1,0
ORP 4287	Equal Tube Connector	12 x 1,5
ORP 4286	Equal Tube Connector	14 x 2,0
ORP 4288	Equal Tube Connector	15 x 1,5
ORP 4289	Equal Tube Connector	16 x 2,0
ORP 4291	Equal Tube Connector	18 x 2,0

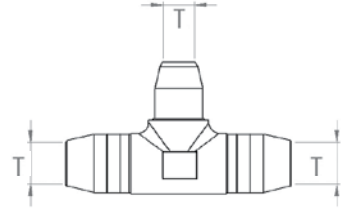


TUBE CONNECTOR

Product Code	Product Name	Tube1 Ø	Tube2 Ø
ORP 4290	Tube Connector	8x1,0	6x1,0
ORP 4292	Tube Connector	10x1,0	6x1,0
ORP 4294	Tube Connector	10x1,0	8x1,0
ORP 4295	Tube Connector	12x1,5	8x1,0
ORP 4296	Tube Connector	12x1,5	10x1,0

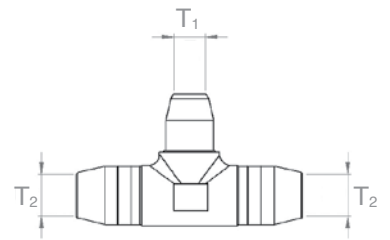


3 WAY EQUAL 'T'

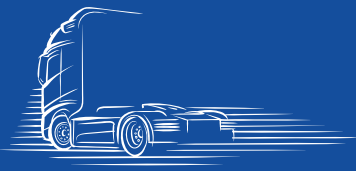


Product Code	Product Name	Tube Ø
ORP 4240	3 Way Equal 'T'	6 x 1,0
ORP 4242	3 Way Equal 'T'	8 x 1,0
ORP 4243	3 Way Equal 'T'	9 x 1,5
ORP 4244	3 Way Equal 'T'	10 x 1,0
ORP 4246	3 Way Equal 'T'	12 x 1,5

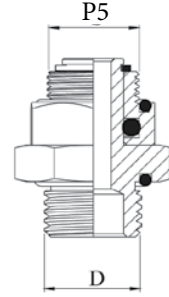
3 WAY 'T'



Product Code	Product Name	Tube1 Ø	Tube2 Ø
ORP 4252	3 Way 'T'	8x1,0	6x1,0
ORP 4254	3 Way 'T'	6x1,0	8x1,0
ORP 4256	3 Way 'T'	8x1,0	10x1,0
ORP 4258	3 Way 'T'	10x1,0	12x1,5
ORP 4260	3 Way 'T'	6x1,0	10x1,0
ORP 4262	3 Way 'T'	8x1,0	12x1,5

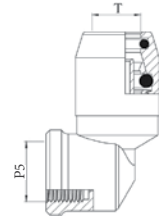


PLUG - IN (P5)



Product Code	Product Name	D
ORP 4300	Plug - In	M10 x 1,0
ORP 4301	Plug - In	R1 / 8
ORP 4302	Plug - In	M12 x 1,5
ORP 4303	Plug - In	R1 / 4
ORP 4304	Plug - In	M14 x 1,5
ORP 4306	Plug - In	M16 x 1,5
ORP 4307	Plug - In	R3/8
ORP 4308	Plug - In	M22 x 1,5
ORP 4309	Plug - In	M26 x 1,5

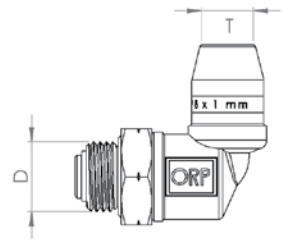
90° PUSH-IN COUPLING (P5)



Product Code	Product Name	Tube Ø
ORP 4401	90° Push-in Coupling	6 x 1,0
ORP 4402	90° Push-in Coupling	8 x 1,0
ORP 4404	90° Push-in Coupling	9 x 1,5
ORP 4405	90° Push-in Coupling	10 x 1,0
ORP 4406	90° Push-in Coupling	12 x 1,5
ORP 4407	90° Push-in Coupling	15 x 1,5
ORP 4408	90° Push-in Coupling	16 x 2,0

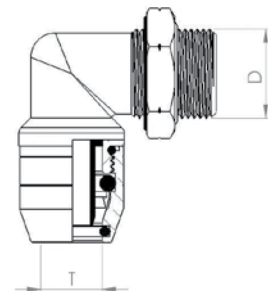
SWIVEL ELBOW

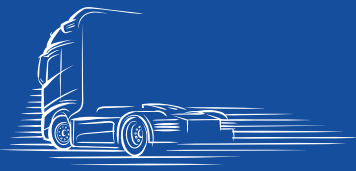
Product Code	Product Name	D	Tube Ø
ORP 4410	Swivel Elbow	M16x1,5	6 x 1,0
ORP 4412	Swivel Elbow	M22x1,5	6 x 1,0
ORP 4414	Swivel Elbow	M16 x 1,5	8 x 1,0
ORP 4416	Swivel Elbow	M22 x 1,5	8 x 1,0
ORP 4418	Swivel Elbow	M16 x 1,5	9 x 1,5
ORP 4420	Swivel Elbow	M22 x 1,5	9 x 1,5
ORP 4422	Swivel Elbow	M16 x 1,5	10 x 1,0
ORP 4424	Swivel Elbow	M22 x 1,5	10 x 1,0
ORP 4426	Swivel Elbow	M16 x 1,5	12 x 1,5
ORP 4428	Swivel Elbow	M22 x 1,5	12 x 1,5
ORP 4430	Swivel Elbow	M16 x 1,5	15 x 1,5
ORP 4432	Swivel Elbow	M22 x 1,5	15 x 1,5
ORP 4434	Swivel Elbow	M16 x 1,5	16 x 2,0
ORP 4436	Swivel Elbow	M22 x 1,5	16 x 2,0



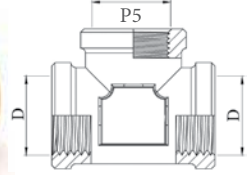
FIX TYPE ELBOW

Product Code	Product Name	D	Tube Ø
ORP 460506	Fix Type Elbow	M12x1,5	6x1,0
ORP 460306	Fix Type Elbow	R1/4	6x1,0
ORP 460508	Fix Type Elbow	M12x1,5	8x1,0
ORP 460308	Fix Type Elbow	R1/4	8x1,0
ORP 460608	Fix Type Elbow	M16x1,5	8x1,0
ORP 461615	Fix Type Elbow	M22x1,5	15x1,5



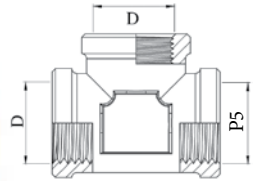


UNION "T" MID CONNECTION (P5)



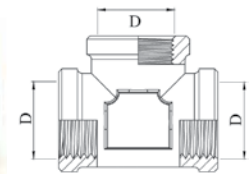
Product Code	Product Name	D
ORP 4452	Union "T" Mid Connection	M 16 x 1,5

UNION "T" SIDE CONNECTION (P5)



Product Code	Product Name	D
ORP 4454	Union "T" Side Connection	M 16 x 1,5

UNION "T"



Product Code	Product Name	D
ORP 4465	Union "T"	R 1 / 4
ORP 4470	Union "T"	M 12 x 1,5
ORP 4466	Union "T"	M 16 x 1,5
ORP 4471	Union "T"	M 22 x 1,5

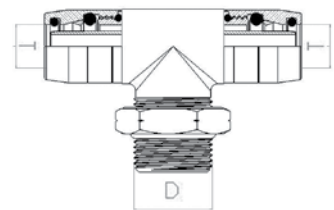
UNION "T" MIDDLE CONNECTION

Product Code	Product Name	D ₁	D ₂
ORP 4462	Union "T" Middle Connection	M12x1,5	M12x1,5
ORP 4463	Union "T" Middle Connection	R1 / 2	M16x1,5
ORP 4464	Union "T" Middle Connection	M16x1,5	M12x1,5
ORP 4468	Union "T" Middle Connection	M16x1,5	M16x1,5
ORP 4469	Union "T" Middle Connection	M22x1,5	M16x1,5



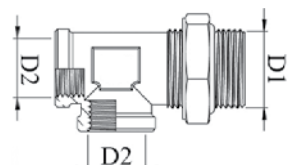
THREE WAY MID CONNECTION

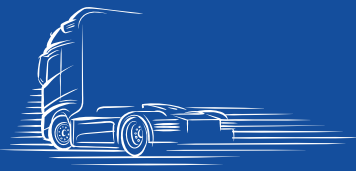
Product Code	Product Name	D ₁	Tube Ø
ORP 446208	Three Way Mid Connection	M12x1,5	8x1,0
ORP 446408	Three Way Mid Connection	M16x1,5	8x1,0
ORP 446908	Three Way Mid Connection	M22x1,5	8x1,0
ORP 446812	Three Way Mid Connection	M16x1,5	12x1,5
ORP 446912	Three Way Mid Connection	M22x1,5	12x1,5



UNION "T" SIDE CONNECTION

Product Code	Product Name	D ₁	D ₂
ORP 4962	Union "T" Side Connection	M12x1,5	M12x1,5
ORP 4966	Union "T" Side Connection	M16x1,5	M16x1,5
ORP 4970	Union "T" Side Connection	M22x1,5	M16x1,5





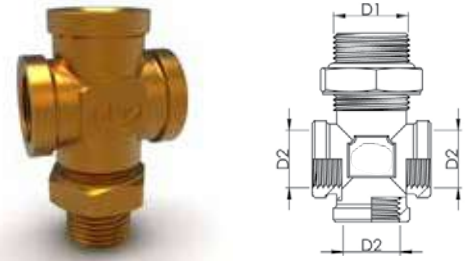
THREE WAY SIDE CONNECTION 'T'

Product Code	Product Name	D	Tube Ø
ORP 496208	Three Way Side Connection	M12x1,5	8x1,0
ORP 496608	Three Way Side Connection	M16x1,5	8x1,0
ORP 497008	Three Way Side Connection	M22x1,5	8x1,0
ORP 496612	Three Way Side Connection	M16x1,5	12x1,5
ORP 497012	Three Way Side Connection	M22x1,5	12x1,5



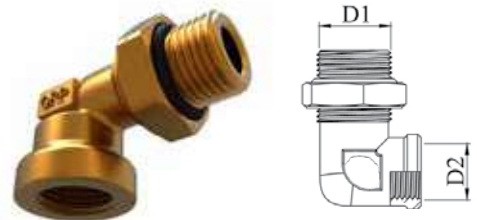
4 WAY CROSS BLOCK

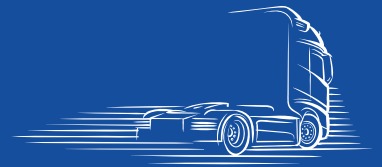
Product Code	Product Name	D ₁	D ₂
ORP 4476	4 Way Cross Block	M16x1,5	M16x1,5
ORP 4478	4 Way Cross Block	M22x1,5	M16x1,5



BULKHEAD ELBOW

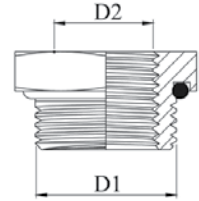
Product Code	Product Name	D ₁	D ₂
ORP 4605	Bulkhead Elbow	M12x1,5	M12x1,5
ORP 4606	Bulkhead Elbow	M16x1,5	M16x1,5
ORP 4614	Bulkhead Elbow	M14x1,5	M16x1,5
ORP 4616	Bulkhead Elbow	M22x1,5	M16x1,5
ORP 4638	Bulkhead Elbow	M22x1,5	M22x1,5





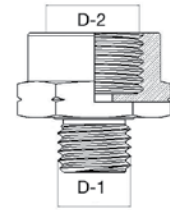
TRANSFER ADAPTER (TYPE1)

Product Code	Product Name	D ₁	D ₂
ORP 4560	Transfer Adapter	M16x1,5	M12x1,5
ORP 4562	Transfer Adapter	M22x1,5	M16x1,5
ORP 4563	Transfer Adapter	M22x1,5	R1 / 4
ORP 4567	Transfer Adapter	M22x1,5	M12x1,5



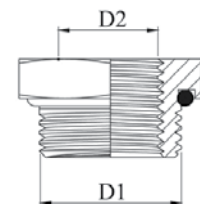
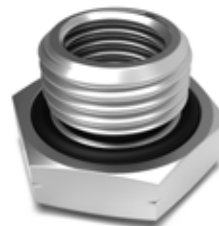
TRANSFER ADAPTER (TYPE2)

Product Code	Product Name	D ₁	D ₂
ORP 4564	Transfer Adapter	M12x1,5	M12x1,5
ORP 4566	Transfer Adapter	M16x1,5	M22x1,5
ORP 4568	Transfer Adapter	M12x1,5	M16x1,5
ORP 4569	Transfer Adapter	M22x1,5	M26x1,5



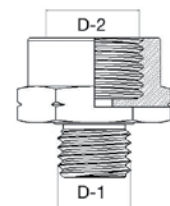
TRANSFER ADAPTER (TYPE1)

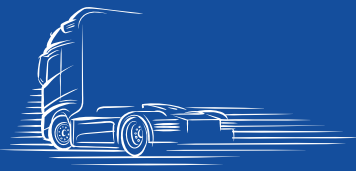
Product Code	Product Name	D ₁	D ₂
ORP 4562 D	Transfer Adapter	M22x1,5	M16x1,5
ORP 4563 D	Transfer Adapter	M22x1,5	R1 / 4



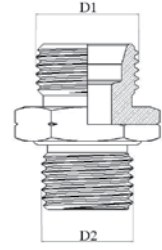
TRANSFER ADAPTER (TYPE2)

Product Code	Product Name	D ₁	D ₂
ORP 4566 D	Transfer Adapter	M16x1,5	M22x1,5
ORP 4569 D	Transfer Adapter	M22x1,5	M26x1,5



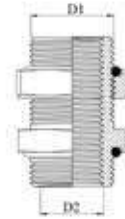


CONNECTION ADAPTER



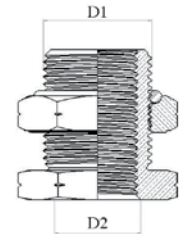
Product Code	Product Name	D ₁	D ₂
ORP 4632	Connection Adapter	M12x1,5	M14x1,5
ORP 4635	Connection Adapter	M16x1,5	M14x1,5
ORP 4639	Connection Adapter	M22x1,5	M14x1,5
ORP 4686	Connection Adapter	M16x1,5	M18x1,5
ORP 4689	Connection Adapter	M22x1,5	M18x1,5

BULKHEAD COUPLING

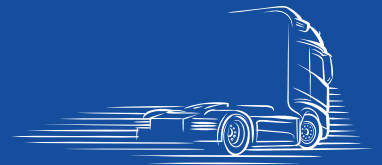


Product Code	Product Name	D ₁	D ₂	D ₃
ORP 4580	Bulkhead Coupling	M16x1,5	M22x1,5	-
ORP 4586	Bulkhead Coupling	M22x1,5	M16x1,5	M16x1,5
ORP 4589	Bulkhead Coupling	M22x1,5	M22x1,5	M16x1,5

CONNECTION ADAPTER



Product Code	Product Name	D ₁	D ₂
ORP 4597	Connection Adapter	M22x1,5	M16x1,5
ORP 4598	Connection Adapter	M18x1,5	M12x1,5



90° CONICAL ELBOW

Product Code	Product Name	D ₁	D ₂
ORP 4618	90° Conical Elbow	M16x1,5	M18x1,5
ORP 4626	90° Conical Elbow	M22x1,5	M18x1,5



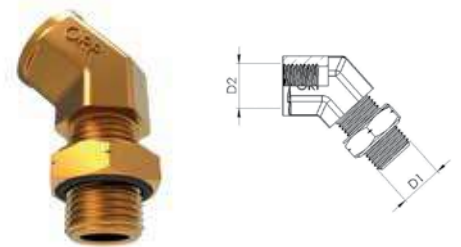
90° ELBOW

Product Code	Product Name	D ₁	D ₂
ORP 4636	90° Elbow	M22x1,5	M22x1,5



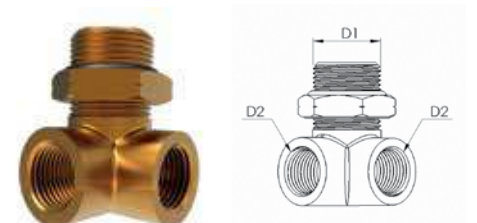
45° BULKHEAD ELBOW

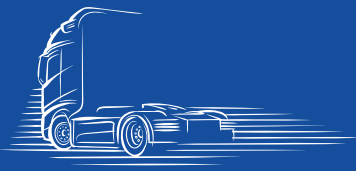
Product Code	Product Name	D ₁	D ₂
ORP 4660	45° Bulkhead Elbow	M16x1,5	M16x1,5



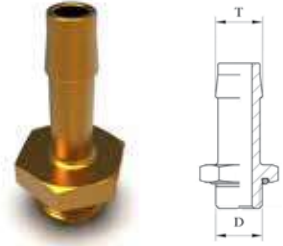
3 WAY BULKHEAD ELBOW

Product Code	Product Name	D ₁	D ₂
ORP 4670	3 Way Bulkhead Elbow	M22x1,5	M16x1,5



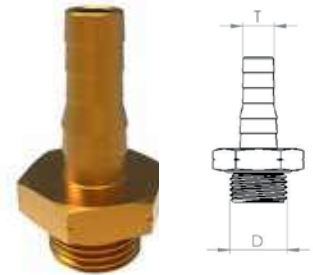


HOSE TAILS



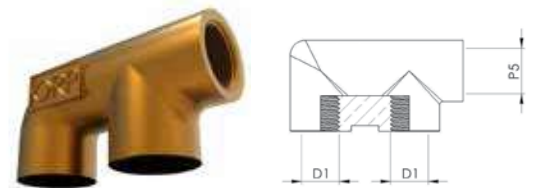
Product Code	Product Name	D	Tube Ø
ORP 4853	Hose Tails	M16x1,5	10 mm
ORP 4851	Hose Tails	M22x1,5	10 mm
ORP 4850	Hose Tails	M16x1,5	11 mm
ORP 4852	Hose Tails	M22x1,5	11 mm
ORP 4854	Hose Tails	M16x1,5	13 mm
ORP 4855	Hose Tails	M22x1,5	13 mm

HOSE NIPPLE

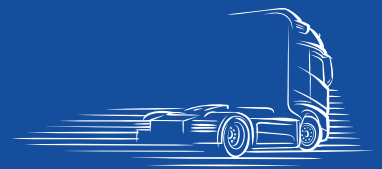


Product Code	Product Name	D	Tube Ø
ORP 4860	Hose Nipple	M16x1,5	10 mm
ORP 4862	Hose Nipple	M22x1,5	10 mm
ORP 4864	Hose Nipple	M16x1,5	11 mm
ORP 4866	Hose Nipple	M22x1,5	11 mm
ORP 4868	Hose Nipple	M16x1,5	13 mm
ORP 4870	Hose Nipple	M22x1,5	13 mm

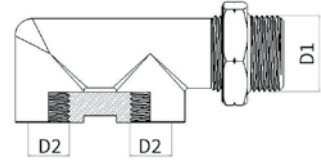
"F" TYPE ADJUSTABLE ELBOW (P5)



Product Code	Product Name	D
ORP 4890	"F"Type Adjustable Elbow (P5)	M16 x 1,5

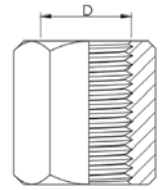


'F' FIX TYPE ELBOW



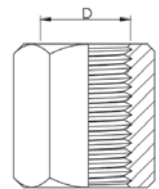
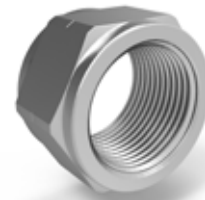
Product Code	Product Name	D ₁	D ₂
ORP 4892	'F' Fix Type Elbow	M22x1.5	M16x1.5
ORP 4894	'F' Fix Type Elbow	M22x1.5	M12x1.5
ORP 4896	'F' Fix Type Elbow	M16x1.5	M16x1.5
ORP 4898	'F' Fix Type Elbow	M16x1.5	M12x1.5

SOCKET JOINT

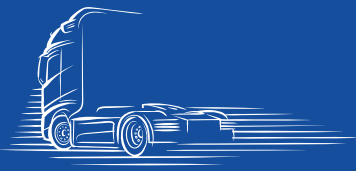


Product Code	Product Name	D
ORP 4762	Socket Joint	M12 x 1,5
ORP 4764	Socket Joint	M14 x 1,5
ORP 4766	Socket Joint	M16 x 1,5
ORP 4769	Socket Joint	M22 x 1,5
ORP 4770	Socket Joint	R1 / 4

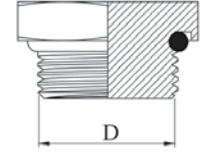
SOCKET JOINT



Product Code	Product Name	D
ORP 4762D	Socket Joint	M12 x 1,5
ORP 4764D	Socket Joint	M14 x 1,5
ORP 4766D	Socket Joint	M16 x 1,5
ORP 4769D	Socket Joint	M22 x 1,5
ORP 4770D	Socket Joint	R1 / 4

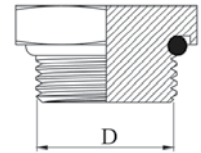


PLUG



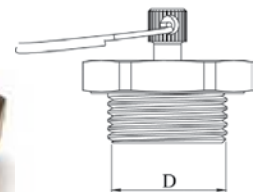
Product Code	Product Name	D
ORP 4812	Plug	M12 x 1,5
ORP 4814	Plug	M14 x 1,5
ORP 4816	Plug	M16 x 1,5
ORP 4822	Plug	M22 x 1,5

PLUG



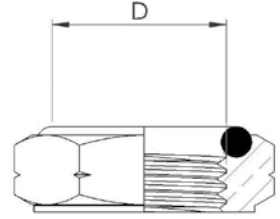
Product Code	Product Name	D
ORP 4812D	Plug	M12 x 1,5
ORP 4814D	Plug	M14 x 1,5
ORP 4816D	Plug	M16 x 1,5
ORP 4818D	Plug	M18 x 1,5
ORP 4822D	Plug	M22 x 1,5
ORP 4824D	Plug	R1 / 2
ORP 4813D	Plug	R1 / 4

DRAIN VALVE



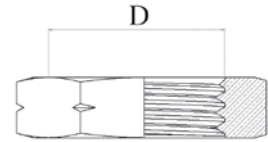
Product Code	Product Name	D
ORP 4836	Drain Valve	R1 / 2
ORP 4838	Drain Valve	M22 x 1,5

LOCKING NUT WITH O'RING

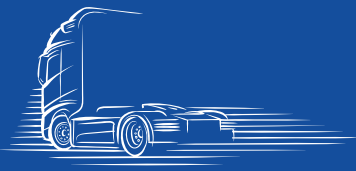


Product Code	Product Name	D
ORP 4642	Locking Nut with O'ring	M12x1,5
ORP 4644	Locking Nut with O'ring	M14x1,5
ORP 4646	Locking Nut with O'ring	M16x1,5
ORP 4649	Locking Nut with O'ring	M22x1,5

LOCKING NUT



Product Code	Product Name	D
ORP 4642A	Locking Nut	M12x1,5
ORP 4644A	Locking Nut	M14x1,5
ORP 4646A	Locking Nut	M16x1,5
ORP 4649A	Locking Nut	M22x1,5

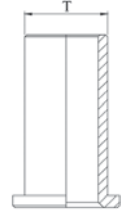


WASHER



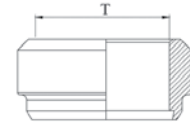
Product Code	Product Name	D
ORP 4842	Washer	M12
ORP 4844	Washer	M14
ORP 4846	Washer	M16
ORP 4849	Washer	M22

CARTRIDGE

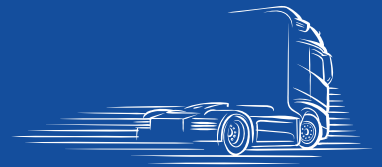


Product Code	Product Name	Tube Ø
ORP 01F06LF	Cartridge	6 mm
ORP 01F08LF	Cartridge	8 mm
ORP 01F9,5x6LF	Cartridge	9,5 mm
ORP 01F10LF	Cartridge	10 mm
ORP 01F12LF	Cartridge	12 mm
ORP 01F15LF	Cartridge	15 mm
ORP 01F16LF	Cartridge	16 mm

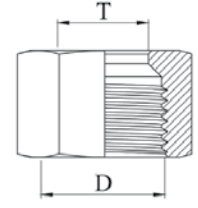
THIMBLE



Product Code	Product Name	Tube Ø
ORP 01Y04LS	Thimble	4 mm
ORP 01Y06LS	Thimble	5 mm
ORP 01Y08LS	Thimble	8 mm
ORP 01Y10LS	Thimble	10 mm
ORP 01Y12LS	Thimble	12 mm
ORP 01Y15LS	Thimble	15 mm
ORP 01Y16LS	Thimble	16 mm



NUT

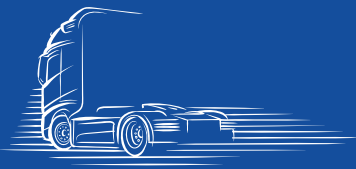


Product Code	Product Name	D
ORP 01S04L	Nut	4 mm
ORP 01S06L	Nut	6 mm
ORP 01S08L	Nut	8 mm
ORP 01S10L	Nut	10 mm
ORP 01S12L	Nut	12 mm
ORP 01S15L	Nut	15 mm
ORP 01S16L	Nut	16 mm
ORP 01S22L	Nut	22 mm

POLIAMID HOSE



Product Code	Product Name	Tube Ø
ORP 04-01-0604	Poliamid Hose	6 * 4
ORP 04-01-0805	Poliamid Hose	8 * 5
ORP 04-01-0806	Poliamid Hose	8 * 6
ORP 04-01-0960	Poliamid Hose	9 * 6
ORP 04-01-10-7,5	Poliamid Hose	10 * 7,5
ORP 04-01-1008	Poliamid Hose	10 * 8
ORP 04-01-1209	Poliamid Hose	12 * 9
ORP 04-01-1410	Poliamid Hose	14 * 10
ORP 04-01-1512	Poliamid Hose	15 * 12
ORP 04-01-1612	Poliamid Hose	16 * 12
ORP 04-01-1814	Poliamid Hose	18 * 14
ORP 04-01-9,5-07	Poliamid Hose	9,5 * 7



PNEUMATIC FITTINGS

EPC STRAIGHT FITTING (METRIC)

Product Code	Size
ORP EPC-6 M6	12 x 1.5
ORP EPC-6 M6	14 x 1.5
ORP EPC-6 M6	16 x 1.5
ORP EPC-6 M6	22 x 1.5
ORP EPC-8 M8	12 x 1.5
ORP EPC-8 M8	14 x 1.5
ORP EPC-8 M8	16 x 1.5
ORP EPC-8 M8	22 x 1.5
ORP EPC-10 M10	12 x 1.5
ORP EPC-10 M10	14 x 1.5
ORP EPC-10 M10	16 x 1.5
ORP EPC-10 M10	22 x 1.5
ORP EPC-12 M12	12 x 1.5
ORP EPC-12 M12	14 x 1.5
ORP EPC-12 M12	16 x 1.5
ORP EPC-12 M12	22 x 1.5



EPL-G ELBOW FITTING (METRIC)

Product Code	Size
ORP EPL-G-6 M6	12 x 1.5
ORP EPL-G-6 M6	14 x 1.5
ORP EPL-G-6 M6	16 x 1.5
ORP EPL-G-6 M6	22 x 1.5
ORP EPL-G-8 M8	12 x 1.5
ORP EPL-G-8 M8	14 x 1.5
ORP EPL-G-8 M8	16 x 1.5
ORP EPL-G-8 M8	22 x 1.5
ORP EPL-G-10 M10	12 x 1.5
ORP EPL-G-10 M10	14 x 1.5
ORP EPL-G-10 M10	16 x 1.5
ORP EPL-G-10 M10	22 x 1.5
ORP EPL-G-12 M12	12 x 1.5
ORP EPL-G-12 M12	14 x 1.5
ORP EPL-G-12 M12	16 x 1.5
ORP EPL-G-12 M12	22 x 1.5



EPC-G STRAIGHT FITTING

Product Code	Size
ORP EPC4 - G01	G1/ 8-4
ORP EPC4 - G02	G1/ 4-4
ORP EPC6 - G01	G1/ 8-6
ORP EPC6 - G02	G1/ 4-6
ORP EPC6 - G03	G3/ 8-6
ORP EPC6 - G04	G1/ 2-6
ORP EPC8 - G01	G1/ 8-8
ORP EPC8 - G02	G1/ 4-8
ORP EPC9 - G02	G1/ 4-9
ORP EPC8 - G03	G3/ 8-8
ORP EPC8 - G04	G1/ 2-8
ORP EPC10 - G01	G1/ 8-10
ORP EPC10 - G02	G1/ 4-10
ORP EPC10 - G03	G3/ 8-10
ORP EPC10 - G04	G1/ 2-10
ORP EPC12 - G01	G1/ 8-12
ORP EPC12 - G02	G1/ 4-12
ORP EPC12 - G03	G3/ 8-12
ORP EPC12 - G04	G1/ 2-12
ORP EPC16 - G03	G3/ 8-16
ORP EPC16 - G04	G1/ 2-16



EPL-G ELBOW FITTING

Product Code	Size
ORP EPL4 - G01	G1/ 8-4
ORP EPL4 - G02	G1/ 4-4
ORP EPL6 - G01	G1/ 8-6
ORP EPL6 - G02	G1/ 4-6
ORP EPL6 - G03	G3/ 8-6
ORP EPL6 - G04	G1/ 2-6
ORP EPL8 - G01	G1/ 8-8
ORP EPL8 - G02	G1/ 4-8
ORP EPL9 - G02	G1/ 4-9
ORP EPL8 - G03	G3/ 8-8
ORP EPL8 - G04	G1/ 2-8
ORP EPL10 - G01	G1/ 8-10
ORP EPL10 - G02	G1/ 4-10
ORP EPL10 - G03	G3/ 8-10
ORP EPL10 - G04	G1/ 2-10
ORP EPL12 - G01	G1/ 8-12
ORP EPL12 - G02	G1/ 4-12
ORP EPL12 - G03	G3/ 8-12
ORP EPL12 - G04	G1/ 2-12
ORP EPL16 - G03	G3/ 8-16
ORP EPL16 - G04	G1/ 2-16



PNEUMATIC FITTINGS

EPCF-G FEMALE STRAIGHT FITTING

Product Code	Size
ORP EPCF4 - G01	G1/ 8-4
ORP EPCF4 - G02	G1/ 4-4
ORP EPCF6 - G01	G1/ 8-6
ORP EPCF6 - G02	G1/ 4-6
ORP EPCF6 - G03	G3/ 8-6
ORP EPCF6 - G04	G1/ 2-6
ORP EPCF8 - G01	G1/ 8-8
ORP EPCF8 - G02	G1/ 4-8
ORP EPCF8 - G03	G3/ 8-8
ORP EPCF8 - G04	G1/ 2-8
ORP EPCF10 - G01	G1/ 8-10
ORP EPCF10 - G02	G1/ 4-10
ORP EPCF10 - G03	G3/ 8-10
ORP EPCF10 - G04	G1/ 2-10
ORP EPCF12 - G01	G1/ 8-12
ORP EPCF12 - G02	G1/ 4-12
ORP EPCF12-G03	G3/ 8-12
ORP EPCF12-G04	G1/ 2-12
ORP EPCF16-G03	G3/ 8-16
ORP EPCF16-G04	G1/ 2-16



EPB/EPBG UNION "T" MID. FITTING

Product Code	Size
ORP EPB4 - G01	G1/ 8-4
ORP EPB4 - G02	G1/ 4-4
ORP EPB6 - G01	G1/ 8-6
ORP EPB6 - G02	G1/ 4-6
ORP EPB6 - G03	G3/ 8-6
ORP EPB6 - G04	G1/2-6
ORP EPB8 - G01	G1/ 8-8
ORP EPB8 - G02	G1/ 4-8
ORP EPB9 - G02	G1/ 4-9
ORP EPB8 - G03	G3/ 8-8
ORP EPB8 - G04	G1/ 2-8
ORP EPB10 - G01	G1/ 8-10
ORP EPB10 - G02	G1/ 4-10
ORP EPB10 - G03	G3/ 8-10
ORP EPB10 - G04	G1/ 8-12
ORP EPB12 - G01	G1/4-12
ORP EPB12 - G02	G3/ 8-12
ORP EPB12 - G03	G1/ 2-12
ORP EPB12 - G04	G3/ 8-16
ORP EPB16 - G03	G1/ 2-16



EPLF-G FEMALE ELBOW FITTING

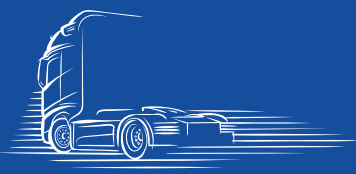
Product Code	Size
ORP EPLF4 - G01	G1/ 8-4
ORP EPLF4 - G02	G1/ 4-4
ORP EPLF6 - G01	G1/ 8-6
ORP EPLF6 - G02	G1/ 4-6
ORP EPLF6 - G03	G3/ 8-6
ORP EPLF6 - G04	G1/ 2-6
ORP EPLF8 - G01	G1/ 8-8
ORP EPLF8 - G02	G1/ 4-8
ORP EPLF8 - G03	G3/ 8-8
ORP EPLF8 - G04	G1/ 2-8
ORP EPLF10 - G01	G1/ 8-10
ORP EPLF10 - G02	G1/ 4-10
ORP EPLF10 - G03	G3/ 8-10
ORP EPLF10 - G04	G1/ 2-10
ORP EPLF12 - G01	G1/ 8-12
ORP EPLF12 - G02	G1/ 4-12
ORP EPLF12 - G03	G3/ 8-12
ORP EPLF12 - G04	G1/ 2-12
ORP EPLF16 - G03	G3/ 8-16
ORP EPLF16 - G04	G1/ 2-16



EPD-G UNION "T" SIDE FITTING

Product Code	Size
ORP EPD4 - G01	G1/ 8-4
ORP EPD4 - G02	G1/ 4-4
ORP EPD6 - G01	G1/ 8-6
ORP EPD6 - G02	G1/ 4-6
ORP EPD6 - G03	G3/ 8-6
ORP EPD6 - G04	G1/2-6
ORP EPD8 - G01	G1/ 8-8
ORP EPD8 - G02	G1/ 4-8
ORP EPD9 - G02	G1/ 4-9
ORP EPD8 - G03	G3/ 8-8
ORP EPD8 - G04	G1/ 2-8
ORP EPD10 - G01	G1/ 8-10
ORP EPD10 - G02	G1/ 4-10
ORP EPD10 - G03	G3/ 8-10
ORP EPD10 - G04	G1/ 8-12
ORP EPD12 - G01	G1/4-12
ORP EPD12 - G02	G3/ 8-12
ORP EPD12 - G03	G1/ 2-12
ORP EPD12 - G04	G3/ 8-16
ORP EPD16 - G03	G1/ 2-16





PNEUMATIC FITTINGS

EPU UNION STRAIGHT

Product Code	Size
ORP EPU - 4	4
ORP EPU - 5	5
ORP EPU - 6	6
ORP EPU - 7	7
ORP EPU - 8	8
ORP EPU - 9	9
ORP EPU - 10	10
ORP EPU - 11	11
ORP EPU - 12	12
ORP EPU - 13	13
ORP EPU - 14	14
ORP EPU - 15	15
ORP EPU - 16	16
ORP EPU - 3/8"	3/8"
ORP EPU - 1/8"	1/8"



REDUCER "T" FITTING

Product Code	Size
ORP EPEG 6-4	6*4
ORP EPEG 8-6	8*6
ORP EPEG 10-8	10*8
ORP EPEG 12-10	12*10
ORP EPEG 16-12	16*12



EPV ELBOW FITTING

Product Code	Size
ORP EPV 4	4
ORP EPV 6	6
ORP EPV 8	8
ORP EPV 10	10
ORP EPV 12	12
ORP EPV 16	16



REDUCER FITTING

Product Code	Size
ORP EPG 6-4	G1/ 8-4
ORP EPG 8-6	G1/ 4-4
ORP EPG 10-8	G1/ 8-6
ORP EPG 12-10	G1/ 4-6



ESA SPEED CONTROLLER FITTING

Product Code	Size
ORP ESA 4	4
ORP ESA 6	6
ORP ESA 8	8
ORP ESA 10	10
ORP ESA 12	12



EPE UNION "T" FITTING

Product Code	Size
ORP EPE 4	4
ORP EPE 6	6
ORP EPE 8	8
ORP EPE 9	9
ORP EPE 10	10
ORP EPE 12	12
ORP EPE 14	14



EPZA UNION CROSS

Product Code	Size
ORP EPZA 4	4
ORP EPZA 6	6
ORP EPZA 8	8
ORP EPZA 10	10
ORP EPZA 12	12



PNEUMATIC FITTINGS

UNION "Y" FITTING

Product Code	Size
ORP EPY - 4	4
ORP EPY - 6	6
ORP EPY - 8	8
ORP EPY - 10	10
ORP EPY - 12	12
ORP EPY - 16	16



EHVFF MINI VALVE

Product Code	Size
ORP EHVFF 6-6B	6
ORP EHVFF 8-6B	8
ORP EHVFF 8-8B	8
ORP EHVFF 10-10B	10
ORP EHVFF 12-10B	12
ORP EHVFF 12-12B	12



EPX-G MALE TYPE "Y" FITTING

Product Code	Size
ORP EPX4 - G01	G1/ 8-4
ORP EPX4 - G02	G1/ 4-4
ORP EPX6 - G01	G1/ 8-6
ORP EPX6 - G02	G1/ 4-6
ORP EPX6 - G03	G3/ 8-6
ORP EPX6 - G04	G1/2-6
ORP EPX8 - G01	G1/ 8-8
ORP EPX8 - G02	G1/ 4-8
ORP EPX9 - G03	G1/ 4-9
ORP EPX8 - G04	G3/ 8-8
ORP EPX10 - G01	G1/ 2-8
ORP EPX10 - G02	G1/ 8-10
ORP EPX10 - G03	G1/ 4-10
ORP EPX10 - G04	G3/ 8-10
ORP EPB12 - G01	G1/ 8-12
ORP EPB12 - G02	G1/4-12
ORP EPB12 - G03	G3/ 8-12
ORP EPB12 - G04	G1/ 2-12
ORP EPB16 - G03	G3/ 8-16
ORP EPB16 - G04	G1/ 2-16



EHVSS/EHVSS-G THREADED MINI VALVE

Product Code	Size
ORP EHVSS G01-G01B	G1/8 - 1/8
ORP EHVSS G02-G01B	G1/4 - 1/8
ORP EHVSS G02-G02B	G1/4 - 1/4
ORP EHVSS G03-G02B	G3/8 - 1/4
ORP EHVSS G03-G03B	G3/8 - 3/8
ORP EHVSS G04-G03B	G1/2 - 3/8
ORP EHVSS G04-G04B	G1/2 - 1/2



EPW UNION "Y" FITTING

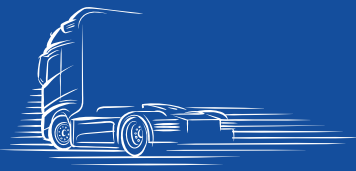
Product Code	Size
ORP EPW 6-4	6*4
ORP EPW 8-6	8*6
ORP EPW 10-8	10*8
ORP EPW 12-10	12*10
ORP EPW 16-12	16*12



EPEW REDUCER "T" FITTING

Product Code	Size
ORP EPEW 6-4	6*4
ORP EPEW 8-6	8*6
ORP EPEW 10-8	10*8
ORP EPEW 12-10	12*10
ORP EPEW 16-12	16*12

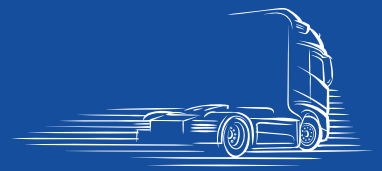




STANTARD AIR COUPLING



Product Code	Product Name	D
ORP 0402	Stantard Air Coupling	M22 x 1,5
ORP 0402-1	Stantard Air Coupling	M16 x 1,5
ORP 0402 - 2	Air Coupling With Filter	M22 x 1,5
ORP 0402 - 3	Air Coupling With Filter	M16 x 1,5
ORP 0403	Automatic Air Coupling	M22 x 1,5
ORP 0403 - 1	Automatic Air Coupling	M16 x 1,5



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