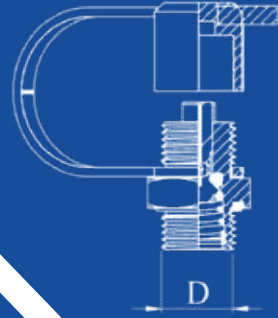




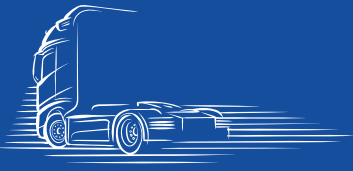
**2023**  
PRODUCT CATALOGUE



+90 216 471 02 16

[www.orpasanoto.com](http://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

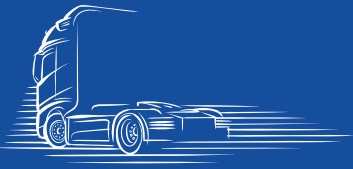
\*For use in applicaion in compressed air systems in commercial vehicles:

- at working conditions:

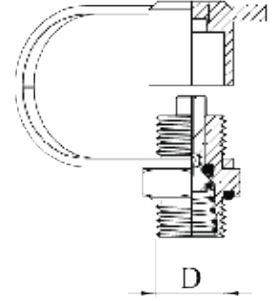
\* -50°C - +100°C (+120°C without function

\* max 14.5 bar



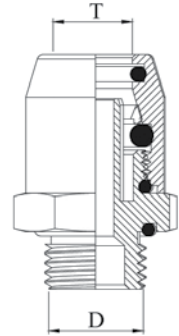


## TEST POINT

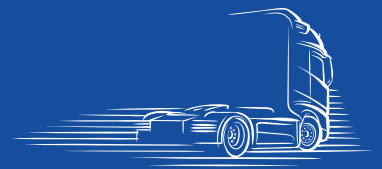


Product Code	Product Name	D
<b>ORP 4012</b>	Test Point	M12 x 1,5
<b>ORP 4013</b>	Test Point	R1/4
<b>ORP 4014</b>	Test Point	M14 x 1,5
<b>ORP 4015</b>	Test Point	M12x1,5 Female
<b>ORP 4016</b>	Test Point	M16 x 1,5
<b>ORP 4017</b>	Test Point	M16x1,5 Female
<b>ORP 4022</b>	Test Point	M22 x 1,5

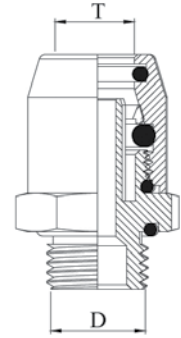
## PUSH-IN COUPLING



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

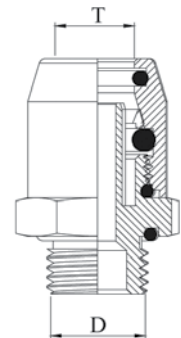


## PUSH-IN COUPLING

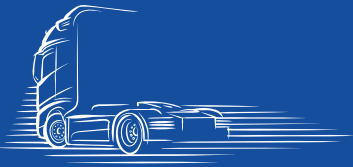


Product Code	Product Name	D	Tube Ø
<b>ORP 4130</b>	Push-in Coupling	M10x1,0	8x1,0
<b>ORP 4131</b>	Push-in Coupling	R1/8	8x1,0
<b>ORP 4132</b>	Push-in Coupling	M12x1,5	8x1,0
<b>ORP 4133</b>	Push-in Coupling	R1/4	8x1,0
<b>ORP 4134</b>	Push-in Coupling	M14x1,5	8x1,0
<b>ORP 4135</b>	Push-in Coupling	M16x1,5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

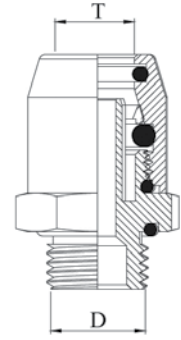
## PUSH-IN COUPLING



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

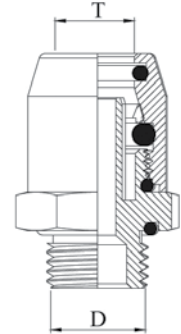


## PUSH-IN COUPLING

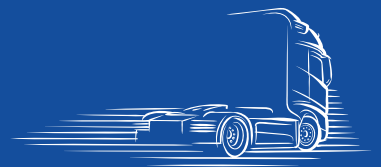


Product Code	Product Name	D	Tube Ø
<b>ORP 4150</b>	Push-in Coupling	M10x1,0	10x1,0
<b>ORP 4151</b>	Push-in Coupling	R1/8	10x1,0
<b>ORP 4152</b>	Push-in Coupling	M12x1,5	10x1,0
<b>ORP 4153</b>	Push-in Coupling	R1/4	10x1,0
<b>ORP 4154</b>	Push-in Coupling	M14x1,5	10x1,0
<b>ORP 4156</b>	Push-in Coupling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

## PUSH-IN COUPLING

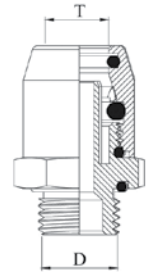


Product Code	Product Name	D	Tube Ø
<b>ORP 4180</b>	Push-in Coupling	M10x1,0	12x1,5
<b>ORP 4181</b>	Push-in Coupling	R1/8	12x1,5
<b>ORP 4182</b>	Push-in Coupling	M12x1,5	12x1,5
<b>ORP 4183</b>	Push-in Coupling	R1/4	12x1,5
<b>ORP 4184</b>	Push-in Coupling	M14x1,5	12x1,5
<b>ORP 4186</b>	Push-in Coupling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



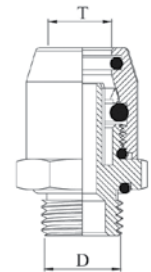
## PUSH-IN COUPLING

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



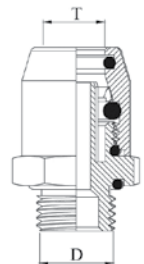
## PUSH-IN COUPLING

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



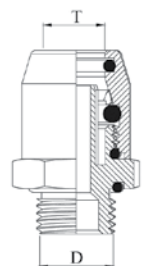
## PUSH-IN COUPLING

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

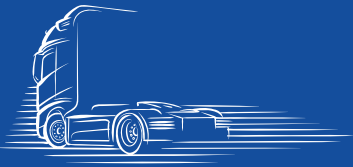


## PUSH-IN COUPLING

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

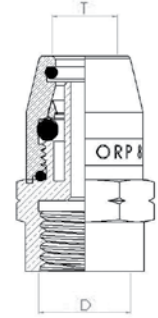






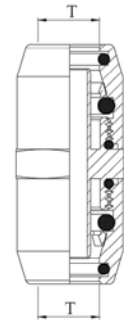
## FEMALE PUSH-IN COUPLING

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



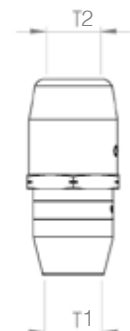
## EQUAL TUBE CONNECTOR

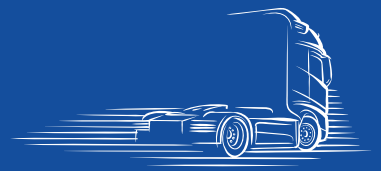
Product Code	Product Name	Tube Ø
<b>ORP 4280</b>	Equal Tube Connector	6 x 1,0
<b>ORP 4281</b>	Equal Tube Connector	8 x 1,0
<b>ORP 4282</b>	Equal Tube Connector	9 x 1,5
<b>ORP 4285</b>	Equal Tube Connector	10 x 1,0
<b>ORP 4287</b>	Equal Tube Connector	12 x 1,5
<b>ORP 4286</b>	Equal Tube Connector	14 x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



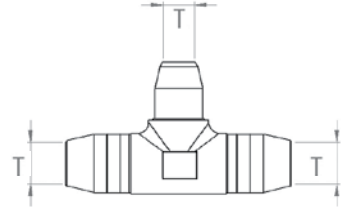
## TUBE CONNECTOR

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



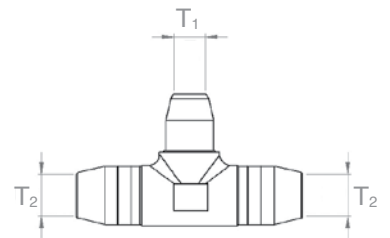


## 3 WAY EQUAL 'T'

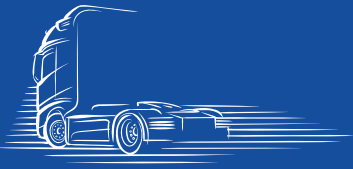


Product Code	Product Name	Tube Ø
<b>ORP 4240</b>	3 Way Equal 'T'	6 x 1,0
<b>ORP 4242</b>	3 Way Equal 'T'	8 x 1,0
<b>ORP 4243</b>	3 Way Equal 'T'	9 x 1,5
<b>ORP 4244</b>	3 Way Equal 'T'	10 x 1,0
<b>ORP 4246</b>	3 Way Equal 'T'	12 x 1,5

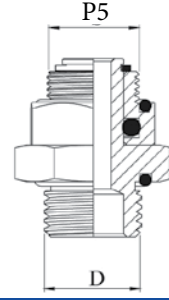
## 3 WAY 'T'



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

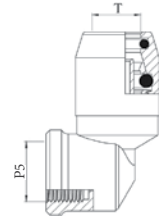


## PLUG - IN (P5)



Product Code	Product Name	D
<b>ORP 4300</b>	Plug - In	M10 x 1.0
<b>ORP 4301</b>	Plug - In	R1 / 8
<b>ORP 4302</b>	Plug - In	M12 x 1,5
<b>ORP 4303</b>	Plug - In	R1 / 4
<b>ORP 4304</b>	Plug - In	M14 x 1,5
<b>ORP 4306</b>	Plug - In	M16 x 1,5
<b>ORP 4307</b>	Plug - In	R3/8
<b>ORP 4308</b>	Plug - In	M22 x 1,5
<b>ORP 4309</b>	Plug - In	M26 x 1,5

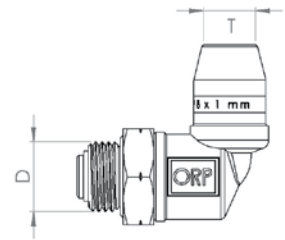
## 90° PUSH-IN COUPLING (P5)



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

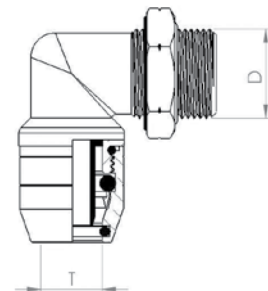
## SWIVEL ELBOW

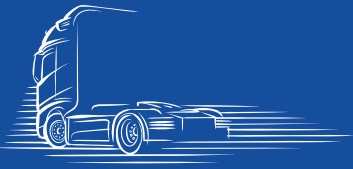
Product Code	Product Name	D	Tube Ø
<b>ORP 4410</b>	Swivel Elbow	M16x1,5	6 x 1,0
<b>ORP 4412</b>	Swivel Elbow	M22x1,5	6 x 1,0
<b>ORP 4414</b>	Swivel Elbow	M16 x 1,5	8 x 1,0
<b>ORP 4416</b>	Swivel Elbow	M22 x 1,5	8 x 1,0
<b>ORP 4418</b>	Swivel Elbow	M16 x 1,5	9 x 1,5
<b>ORP 4420</b>	Swivel Elbow	M22 x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



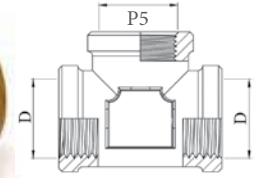
## FIX TYPE ELBOW

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



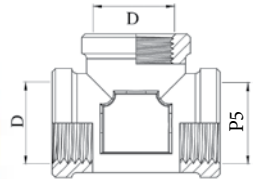


## UNION "T" MID CONNECTION (P5)



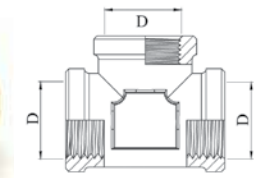
Product Code	Product Name	D
<b>ORP 4452</b>	Union "T" Mid Connection	M 16 x 1,5

## UNION "T" SIDE CONNECTION (P5)



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

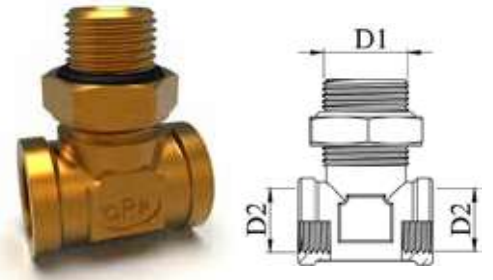
## UNION "T"



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

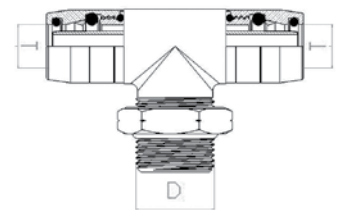
## UNION "T" MIDDLE CONNECTION

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



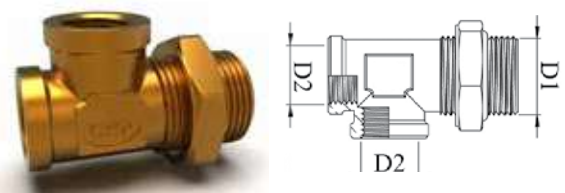
## THREE WAY MID CONNECTION

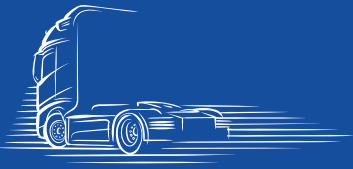
Product Code	Product Name	D <sub>1</sub>	Tube Ø
<b>ORP 446208</b>	Three Way Mid Connection	M12x1,5	8x1,0
<b>ORP 446408</b>	Three Way Mid Connection	M16x1,5	8x1,0
<b>ORP 446908</b>	Three Way Mid Connection	M22x1,5	8x1,0
<b>ORP 446812</b>	Three Way Mid Connection	M16x1,5	12x1,5
<b>ORP 446912</b>	Three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



## UNION "T" SIDE CONNECTION

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





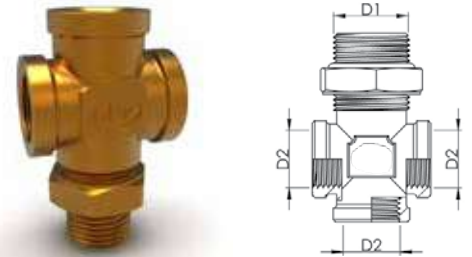
## THREE WAY SIDE CONNECTION 'T'

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



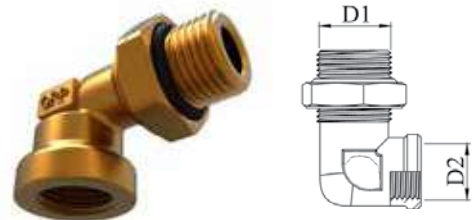
## 4 WAY CROSS BLOCK

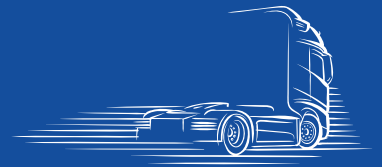
Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4476</b>	4 Way Cross Block	M16x1,5	M16x1,5
<b>ORP 4478</b>	4 Way Cross Block	M22x1,5	M16x1,5



## BULKHEAD ELBOW

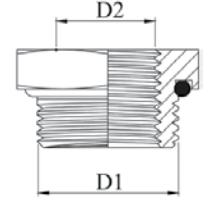
Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4605</b>	Bulkhead Elbow	M12x1,5	M12x1,5
<b>ORP 4606</b>	Bulkhead Elbow	M16x1,5	M16x1,5
<b>ORP 4614</b>	Bulkhead Elbow	M14x1,5	M16x1,5
<b>ORP 4616</b>	Bulkhead Elbow	M22x1,5	M16x1,5
<b>ORP 4638</b>	Bulkhead Elbow	M22x1,5	M22x1,5





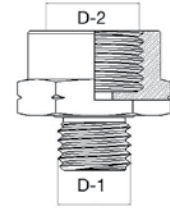
## TRANSFER ADAPTER (TYPE1)

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



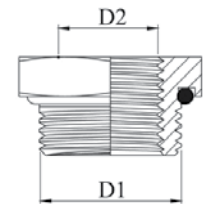
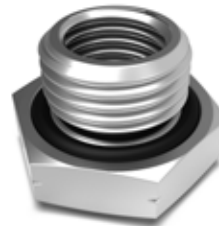
## TRANSFER ADAPTER (TYPE2)

Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4564</b>	Transfer Adapter	M12x1,5	M12x1,5
<b>ORP 4566</b>	Transfer Adapter	M16x1,5	M22x1,5
<b>ORP 4568</b>	Transfer Adapter	M12x1,5	M16x1,5
<b>ORP 4569</b>	Transfer Adapter	M22x1,5	M26x1,5



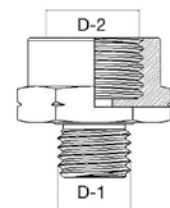
## TRANSFER ADAPTER (TYPE1)

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

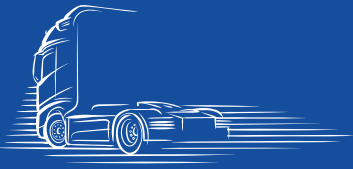


## TRANSFER ADAPTER (TYPE2)

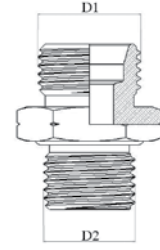
Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4566 D</b>	Transfer Adapter	M16x1,5	M22x1,5
<b>ORP 4569 D</b>	Transfer Adapter	M22x1,5	M26x1,5





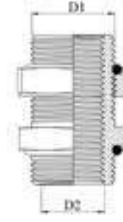


## CONNECTION ADAPTER



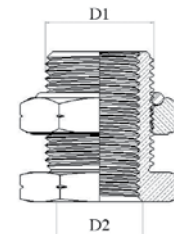
Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4632</b>	Connection Adapter	M12x1,5	M14x1,5
<b>ORP 4635</b>	Connection Adapter	M16x1,5	M14x1,5
<b>ORP 4639</b>	Connection Adapter	M22x1,5	M14x1,5
<b>ORP 4686</b>	Connection Adapter	M16x1,5	M18x1,5
<b>ORP 4689</b>	Connection Adapter	M22x1,5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

## BULKHEAD COUPLING

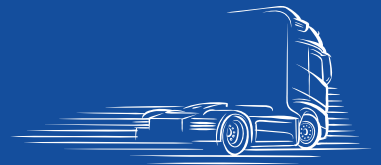


Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>
<b>ORP 4580</b>	Bulkhead Coupling	M16x1,5	M22x1,5	-
<b>ORP 4586</b>	Bulkhead Coupling	M22x1,5	M16x1,5	M16x1,5
<b>ORP 4589</b>	Bulkhead Coupling	M22x1,5	M22x1,5	M16x1,5

## CONNECTION ADAPTER

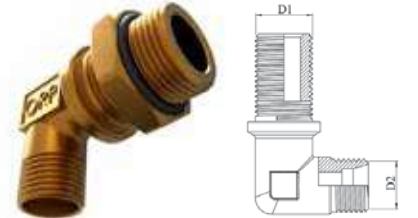


Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4597</b>	Connection Adapter	M22x1,5	M16x1,5
<b>ORP 4598</b>	Connection Adapter	M18x1,5	M12x1,5



## 90° CONICAL ELBOW

Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4618</b>	90° Conical Elbow	M16x1,5	M18x1,5
<b>ORP 4626</b>	90° Conical Elbow	M22x1,5	M18x1,5



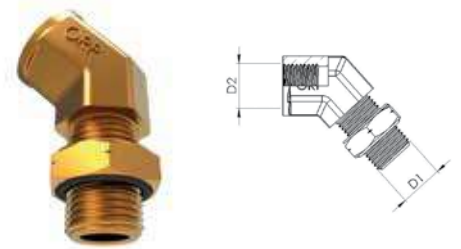
## 90° ELBOW

Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4636</b>	90° Elbow	M22x1,5	M22x1,5



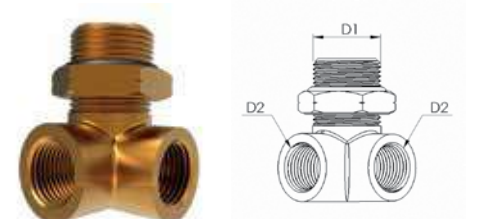
## 45° BULKHEAD ELBOW

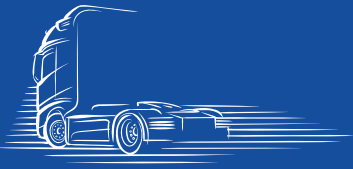
Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4660</b>	45° Bulkhead Elbow	M16x1,5	M16x1,5



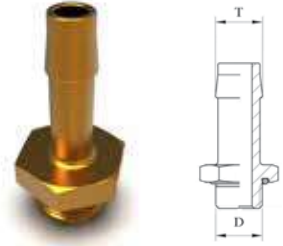
## 3 WAY BULKHEAD ELBOW

Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4670</b>	3 Way Bulkhead Elbow	M22x1,5	M16x1,5



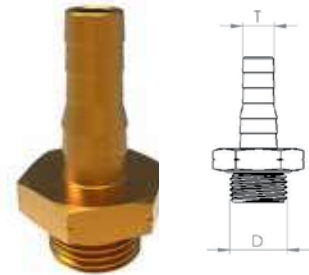


## HOSE TAILS



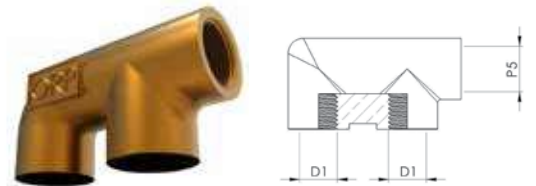
Product Code	Product Name	D	Tube Ø
<b>ORP 4853</b>	Hose Tails	M16x1,5	10 mm
<b>ORP 4851</b>	Hose Tails	M22x1,5	10 mm
<b>ORP 4850</b>	Hose Tails	M16x1,5	11 mm
<b>ORP 4852</b>	Hose Tails	M22x1,5	11 mm
<b>ORP 4854</b>	Hose Tails	M16x1,5	13 mm
<b>ORP 4855</b>	Hose Tails	M22x1,5	13 mm

## HOSE NIPPLE

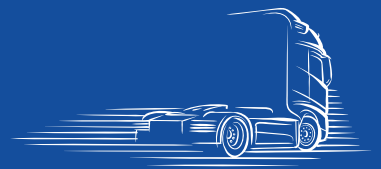


Product Code	Product Name	D	Tube Ø
<b>ORP 4860</b>	Hose Nipple	M16x1,5	10 mm
<b>ORP 4862</b>	Hose Nipple	M22x1,5	10 mm
<b>ORP 4864</b>	Hose Nipple	M16x1,5	11 mm
<b>ORP 4866</b>	Hose Nipple	M22x1,5	11 mm
<b>ORP 4868</b>	Hose Nipple	M16x1,5	13 mm
<b>ORP 4870</b>	Hose Nipple	M22x1,5	13 mm

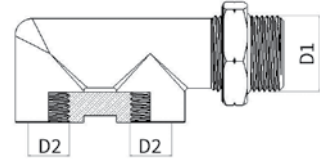
## "F" TYPE ADJUSTABLE ELBOW (P5)



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

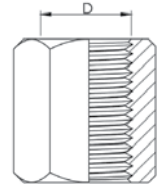


## 'F' FIX TYPE ELBOW



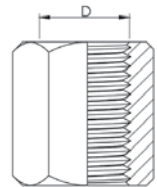
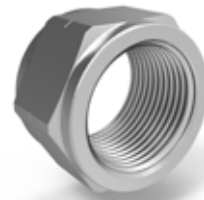
Product Code	Product Name	D <sub>1</sub>	D <sub>2</sub>
<b>ORP 4892</b>	'F' Fix Type Elbow	M22x1.5	M16x1.5
<b>ORP 4894</b>	'F' Fix Type Elbow	M22x1.5	M12x1.5
<b>ORP 4896</b>	'F' Fix Type Elbow	M16x1.5	M16x1.5
<b>ORP 4898</b>	'F' Fix Type Elbow	M16x1.5	M12x1.5

## SOCKET JOINT

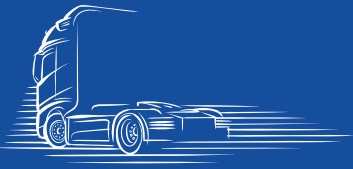


Product Code	Product Name	D
<b>ORP 4762</b>	Socket Joint	M12 x 1,5
<b>ORP 4764</b>	Socket Joint	M14 x 1,5
<b>ORP 4766</b>	Socket Joint	M16 x 1,5
<b>ORP 4769</b>	Socket Joint	M22 x 1,5
<b>ORP 4770</b>	Socket Joint	R1 / 4

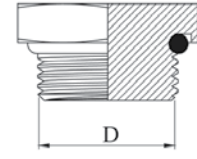
## SOCKET JOINT



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

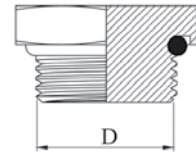


## PLUG



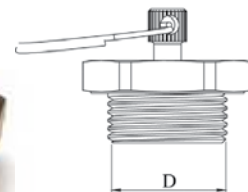
Product Code	Product Name	D
<b>ORP 4812</b>	Plug	M12 x 1,5
<b>ORP 4814</b>	Plug	M14 x 1,5
<b>ORP 4816</b>	Plug	M16 x 1,5
<b>ORP 4822</b>	Plug	M22 x 1,5

## PLUG

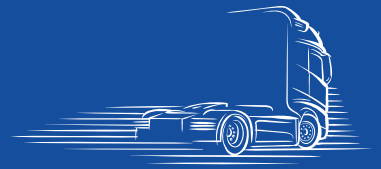


Product Code	Product Name	D
<b>ORP 4812D</b>	Plug	M12 x 1,5
<b>ORP 4814D</b>	Plug	M14 x 1,5
<b>ORP 4816D</b>	Plug	M16 x 1,5
<b>ORP 4818D</b>	Plug	M18 x 1,5
<b>ORP 4822D</b>	Plug	M22 x 1,5
<b>ORP 4824D</b>	Plug	R1 / 2
<b>ORP 4813D</b>	Plug	R1 / 4

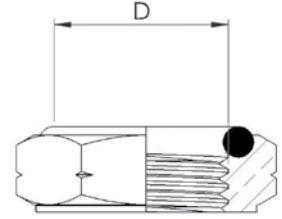
## DRAIN VALVE



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

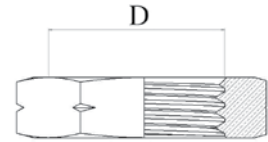


## LOCKING NUT WITH O'RING

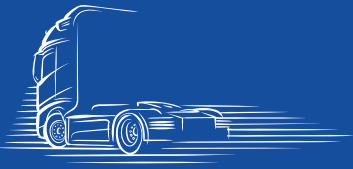


Product Code	Product Name	D
<b>ORP 4642</b>	Locking Nut with O'ring	M12x1,5
<b>ORP 4644</b>	Locking Nut with O'ring	M14x1,5
<b>ORP 4646</b>	Locking Nut with O'ring	M16x1,5
<b>ORP 4649</b>	Locking Nut with O'ring	M22x1,5

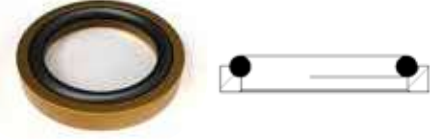
## LOCKING NUT



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

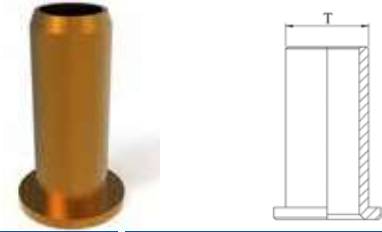


## WASHER



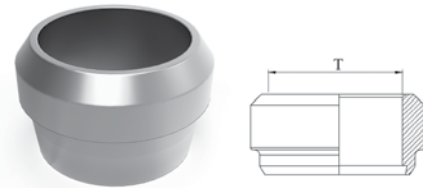
Product Code	Product Name	D
<b>ORP 4842</b>	Washer	M12
<b>ORP 4844</b>	Washer	M14
<b>ORP 4846</b>	Washer	M16
<b>ORP 4849</b>	Washer	M22

## CARTRIDGE

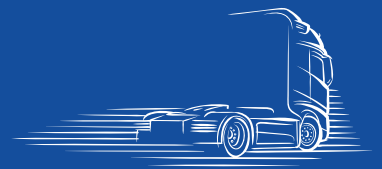


Product Code	Product Name	Tube Ø
<b>ORP 01F06LF</b>	Cartridge	6 mm
<b>ORP 01F08LF</b>	Cartridge	8 mm
<b>ORP 01F9,5x6LF</b>	Cartridge	9,5 mm
<b>ORP 01F10LF</b>	Cartridge	10 mm
<b>ORP 01F12LF</b>	Cartridge	12 mm
<b>ORP 01F15LF</b>	Cartridge	15 mm
<b>ORP 01F16LF</b>	Cartridge	16 mm

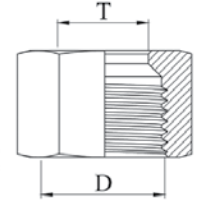
## THIMBLE



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



## NUT



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

## POLIAMID HOSE



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