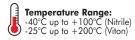
Ξ HYDRAULIC COUPLINGS





Max Working Pressure: Maximum static working pressure with safety factor 4:1

Description: Thanks to the double O-Ring seal, this coupling system can be used for pressures of up to 320 bar for the T7500 Series and 300 bar for the T10000 Series. The coupling system is available with double shut-off, straight through or with single shut-off. Also available in stainless steel. For very heavy loads we recommend the use of the super plug.

Advantages: Straight through minimum pressure drop. Double safety through double O-Ring seal. A safety closing ring prevents unintentional uncoupling. Corrosion resistant.

Applications: Chemical industries off-shore, deep-sea technology, elevating mechanism, building machinery, materials handling technology and industrial plants.



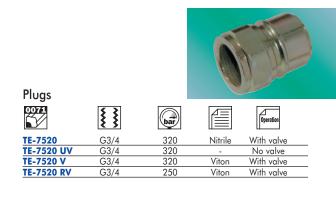


Couplings

0071		bar		Operation	
TE-7510	G3/4	320	Nitrile	With valve	
TE-7510 UV	G3/4	320	Nitrile	No valve	-
TE-7510 V	G3/4	320	Viton	With valve	-
TE-7510 RV	G3/4	250	Viton	With valve	_
TE-7510 VUV	G3/4	320	Viton	No valve	

Couplings with Pressure Eliminator

0074		bar		Operation
TE-7511	G3/4	320	Nitrile	With valve
TE-7511 V	G3/4	320	Viton	With valve
TE-7511 RFV	G3/4	250	Viton	With valve



Plugs with Pressure Eliminator

0071	bar	bar		Operation	
TE-7521	G3/4	320	Nitrile	With valve	
TE-7521 V	G3/4	320	Viton	With valve	



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Standard Version: Coupling: Brass, chromatized, nitrile seal. Plug: Steel hardened, zinc chromated, nitrile seal. Stainless Version: AISI 316, viton seal.





Couplings					
00771		bar		Operation	
TE-10010	G1	300	Nitrile	With valve	
TE-10010 UV	G1	300	Nitrile	No valve	-
TE-10010 V	G1	300	Viton	With valve	-
TE-10010 RV	G1	250	Viton	With valve	_
					_

Couplings with Pressure Eliminator

0071		bar		Operation
TE-10011	G1	300	Nitrile	With valve
TE-10011 V	G1	300	Viton	With valve



Plugs				
0071		bar		Operation
TE-10020	G1	300	Nitrile	With valve
TE-10020 UV	G1	300	-	No valve
TE-10020 V	G1	300	Viton	With valve
TE-10020 RV	G1	250	Viton	With valve
TE-10020 RUV	G1	250	-	No valve

Plugs with Pressure Eliminator

0071	{	bar		Operation
TE-10021	G1	300	Nitrile	With valve
TE-10021 V	G1	300	Viton	With valve

Plugs	Connection A		L mm	D mm	Valve	Working pressure connected in bar	Version	Seal	Part Number
	G 1/2 IG	27	46	30	with	320	Standard	Nitrile	T5020
L	G 1/2 IG	27	46	30	with	320	Standard	Viton [®]	T5020 V
SW	G 1/2 IG	27	46	30	with	300	Stainless Steel	Viton®	T5020 RV 3)
	G 1/2 IG	27	42	30	without	320	Standard	-	T5020 UV
	G 1/2 IG	27	42	30	without	300	Stainless Steel	-	T5020 RUV 3)
	G 1/2 IG	27	42	30	without	300	Stainless Steel	-	T5020 RHUV 4)
Female Thread									
lugs with Pressure Eliminator	Connection A		L	D mm	Valve	Working pressure connected in bar	Version	Seal	Part Number
	G 1/2 IG	27	47	30	with	320	Standard	Nitrile	T5021
	G 1/2 IG	27	47	30	with	320	Standard	Viton®	T5021 V
SW	G 1/2 IG	27	47	30	with	300	Stainless Steel	Viton®	T5021 RV 3)
Female Thread	G 1/2 IG	27	47	30	with	300	Stainless Steel	Viton®	T5021 RFV 1) 3)
Lubrication Nipple					Descri			L D mm mm 41 25	Part Number
U/				_					1
Seal-Kit		201	De	scri	ption		Materia	ı	Part Number
Seal-Kit				scri Coup			Materia	1	Part Number T5000-PSN
Seal-Kit			(ling			1	
Seal-Kit			(Coup	ling ling		Nitrile Viton®	1	T5000-PSN
Seal-Kit			(Coup	ling ling	er sealing material	Nitrile Viton®	1	T5000-PSN
Seal-Kit Dust Protection	Descr	iptio		Coup	ling ling	Material	Nitrile Viton®		T5000-PSN
	Descr			Coup	ling ling Furthe	Material PVC	Nitrile Viton® s on request.		T5000-PSN T5000-PSV
		oling		Coup	ling ling Furthe	Material PVC	Nitrile Viton® s on request. Colour		T5000-PSN T5000-PSV

³) For pulsating pressure, the pressure must not exceed 50% of the given value.

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Nominal Diameter 2 (T	D = 314 mm ² 7500 series	+←�-+�-	va 7510 Made in Su
Technical Description The coupling system is avai-	unintentional uncoupling. Corrosion-resistant, Compact	Working Pressure	box of actual size
lable as straight-through and	dimensions. Pressure eliminator	See chart.	33 S
double shut-off version. Also	is available for coupling and	Working Temperature	
available in stainless steel. For very high loads we	plug. With pressure eliminator, can be coupled up to operating	-40°C up to +100°C (Nitrile) -25°C up to +200°C (Viton®)	
recommend the use of the	pressure.		ALL IN SMEETINGS
"super nipple".	Applications	 The sealing material also depends on the flow medium. 	
Connected length in total: 91 mm	Chemical industries, Off-	Couplings for higher	
Advantages Straight-through – minimum pressure drop. Double safety through a double O-ring seal. A safety closing ring prevents	Shore, deep-sea technology, elevating mechanism, build- ing machinery, materials- handling technology, indus- trial plant.	temperatures on request.	
Material	Standard Version	Stainless Steel	Flow Capacity
Coupling			Viscosity for 32cSt at 40°C
Coupling Body Sleeve	Brass, Chromated Steel Hardened, Yellow Zinc-plated	AISI 316 AISI 316	as per ISO 7241/2-2000
Locking Ring	Brass, Zinc Chromate Conversion Coated	AISI 316	
Valve	Brass AISI 301	AISI 316 AISI 301	6
Springs Locking Balls	AISI 301 AISI 420 C	AISI 301 AISI 420 C	
Seals	Nitrile/Viton®	Viton®	5
Valve Holder	Brass	AISI 316	4 17500
Plug			Pressure Drop (bar)
Plug Connection Face	Steel Hardened, Yellow Zinc-plated, Aquarez-treated	AISI 316	
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	
Seals	Nitrile/Viton [®]	Viton®	L
Valve Holder	Brass	AISI 316	0 50 100 150 200 250 300 350
Pressures	Coupling Plug	Coupling Plug	Flow Rate in I/min
Bursting Pressure coupled	>1120 bar >1120 bar	>1000 bar >1000 bar 200 bar 200 bar	
Working Pressure uncoupled	200 bar 200 bar	200 bar 200 bar	

Couplings	Connection A			D mm	Valve	Working pressure connected in bar	Version	Seal	Part Number	
L	G 3/4 IG	38	72	52	with	280	Standard	Nitrile	T7510	
SW.	G 3/4 IG	38	72	52	with	280	Standard	Viton [®]	T7510 V	
	G 3/4 IG	38	72	52	with	250	Stainless Steel	Viton®	T7510 RV 2)	
	G 3/4 IG	38	72	52	without	280	Standard	Nitrile	T7510 UV	
	G 3/4 IG	38	72	52	without	280	Standard	Viton®	T7510 VUV	
	G 3/4 IG	38	72	52	without	250	Stainless Steel	Viton®	T7510 RVUV 2)	
Female Thread										

Couplings with Pressure Eliminator	Connection A			D mm		Working pressure connected in bar	Version	Seal	Part Number	
	G 3/4 IG	38	72	52	with	280	Standard	Nitrile	T7511	
SW	G 3/4 IG	38	72	52	with	280	Standard	Viton®	T7511 V	
	G 3/4 IG	38	72	52	with	250	Stainless Steel	Viton®	T7511 RV 2)	
A A A	G 3/4 IG	38	72	52	with	250	Stainless Steel	Viton®	T7511 RFV 1) 2)	
Female Thread										

* SW = dimension over flats

Plugs	Connection A	SW*	L	D mm		Working pressure connected in bar	Version	Sea	al	Part Number
	G 3/4 IG	36	52	39	with	300	Standard	Nitr	ile	T7520
SW	G 3/4 IG	36	52	39	with	300	Standard	Vito	n®	T7520 V
	G 3/4 IG	36	52	39	with	250	Stainless Steel	Vito	n®	T7520 RV 2)
	G 3/4 IG	36	47	39	without	300	Standard	-		T7520 UV
	G 3/4 IG	36	47	39	without	250	Stainless Steel	-		T7520 RUV 2)
Female Thread										
js with Pressure Eliminator	Connection A		L	D		Working pressure connected in bar	Version	Se	al	Part Number
	G 3/4 IG	36	53	39	with	300	Standard	Nitr	ile	T7521
SW T	G 3/4 IG	36	53	39	with	300	Standard	Vito	n®	T7521 V
	G 3/4 IG	36	53	39	with	250	Stainless Steel	Vito	n®	T7521 RV 2)
	G 3/4 IG	36	53	39	with	250	Stainless Steel	Vito	n®	T7521 RFV 1) 2)
Female Thread Super Nipple	Connection A	SW*		D		Working pressure connected in bar	Version	Se	al	Part Number
	G 3/4 IG	36	52	39	with	300	Standard	Nitr	ile	T7520 S
for technical drawing see plugs	G 3/4 IG	36	52	39	with	300	Standard	Nitr	ile	T7521 S
					Coup	ling		mm 44	33	TGR7
Seal-Kit			_	scri	ption		Materia	1		Part Number
				oup			Viton®			T7500-PSN
						er sealing material				
Sentenzi and sentenzi				61				1997		Contraction of the
Dust Protection	Descri		n		L D mm mm		Colour			Part Number
	Coup				195 76	PVC	Blue			T7516
	Plu	ŋ			195 63	PVC	Blue		-	T7526
					F	urther colours on	request			
						a. anor ooroura off	- quoot			

	T1000) series		94.10	1
Technical DescriptionThe coupling system is available as straight-through and double shut-off version. Also available in stainless steel.Connected length in total: 108 mmAdvantagesStraight-through – minimum pressure drop. Double safety through a double 0-ring seal. A safety closing ring prevents unintentional uncoupling.Corrosion-resistant. dimensions. Pressure can be coupled up to pressure.Advantages Straight-through – minimum pressure drop. Double safety through a double 0-ring seal. A safety closing ring prevents unintentional uncoupling.		e eliminator pling and eliminator, o operating s, Off- chnology, sm, build- erials-	 Working Pressure See chart. Morking Temperature -40°C up to +100°C (Nitrile) -25°C up to +200°C (Viton®) The sealing material also depends on the flow medium. Couplings for higher temperatures on request. 		
Material Standard Version		Stainless Steel	Flow Capacity		
Coupling Coupling Body Sleeve Locking Ring Valve Springs Locking Balls Seals Valve Holder	Brass, Chrom Steel Hardened Brass, Zinc Chror Brass AISI 301 AISI 420 C Nitrile/Viton® Brass	, Yellow Zinc-plated nate Conversion Coate	d	AISI 316 AISI 316 AISI 316 AISI 316 AISI 301 AISI 420 C Viton® AISI 316	Viscosity for 32cSt at 40°C as per ISO 7241/2-2000
Plug Plug Connection Face /alve Springs Seals /alve Holder			Brass Version Brass Brass AISI 301 Nitrile/Viton® Brass	AISI 316 AISI 316 AISI 301 Viton® AISI 316	Pressure Drop (bar)
Pressures Bursting Pressure coupled Working Pressure uncoupled	Coupling >930 bar 200 bar	Plug >930 bar 250 bar	>200 bar 50 bar	>1000 bar 200 bar	0 50 100 150 200 250 300 350 400 450 Flow Rate in I/min

Couplings	Connection A	SW* mm		D mm	Valve	Working pressure connected in bar	Version	Seal	Part Number
L	G 1 IG	45	88	62	with	250	Standard	Nitrile	T10010
SW.	G 1 IG	45	88	62	with	250	Standard	Viton [®]	T10010 V
	G 1 IG	45	88	62	with	250	Stainless Steel	Viton®	T10010 RV 2)
I III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	G 1 IG	45	88	62	without	250	Standard	Nitrile	T10010 UV
	G 1 IG	45	88	62	without	250	Standard	Viton®	T10010 VUV
	G 1 IG	45	88	62	without	250	Stainless Steel	Viton®	T10010 RVUV 2)
Female Thread									

Couplings	with Pressure Eliminator	Connection A			D mm	Valve	Working pressure connected in bar	Version	Seal	Part Number
		G 1 IG	45	88	62	with	250	Standard	Nitrile	T10011
	SW	G 1 IG	45	88	62	with	250	Standard	Viton®	T10011 V
4		G 1 IG	45	88	62	with	250	Stainless Steel	Viton®	T10011 RV 2)
٥	IF.MA 10000	G 1 IG	45	88	62	with	250	Stainless Steel	Viton®	T10011 RFV ¹) ²)
1	Female Thread									

* SW = dimension over flats

