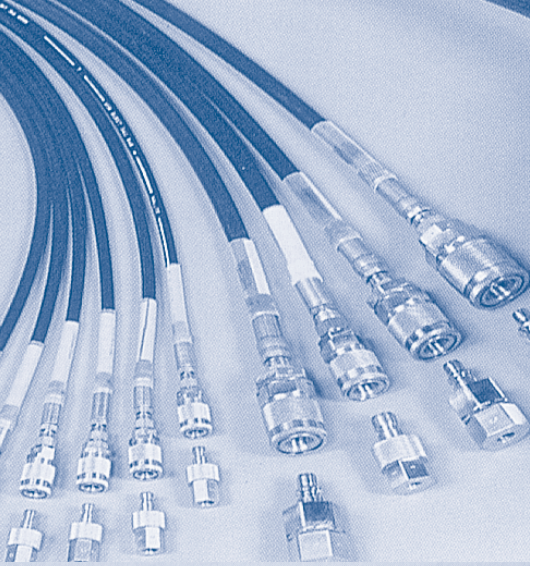

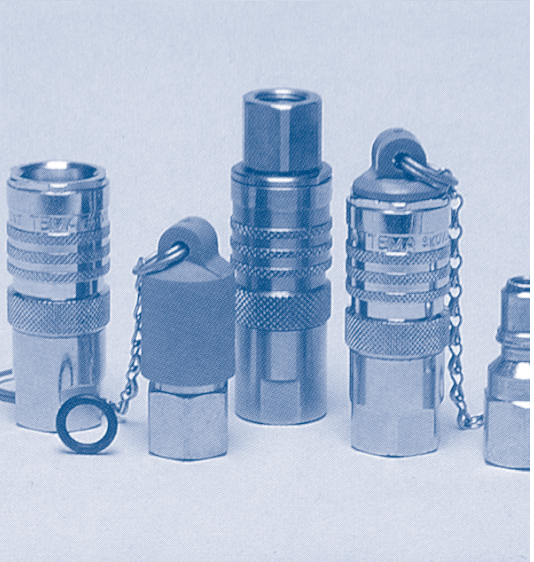

Group 12

High-pressure Quick Release Couplings Tema - Snap-tite

FLUID CONTROL®

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TECHNICAL INFORMATION
TEMA QUICK RELEASE COUPLINGS, HYDRAULICS

Series 2500

Construction:
Standard Coupling Casing: Hard chrome-plated brass / stainless steel: AISI 316
Standard nipple: Hardened steel, zinc chromated / stainless steel: AISI 316
Springs and balls: Stainless steel
Temperature: O-ring seal: Nitrile - 40°C to + 100°C
O-ring seal: Viton - 25°C to + 200°C
Throughput: Full throughput, with minimal pressure loss. The standard version comes with the safety mechanism "Sleeve Lock"
Pressure Class: Given pressure rating applies to the static pressure. At pulsating pressure, use 50% of the given working pressure.
Safety Factor: 4:1
Applications: Hydraulic systems, fuel, water and gas.

Series 3800
Series 5000
Series 7500
Series 10000

Construction:
Standard Coupling Casing: Hard chrome-plated brass / stainless steel: AISI 316
Standard nipple: Hardened steel, zinc chromated / stainless steel: AISI 316
Springs and balls: Stainless steel
Temperature: O-ring seal: Nitrile - 40°C to + 100°C
O-ring seal: Viton - 25°C to + 200°C
Throughput: Full throughput, with minimal pressure loss. The standard version comes with the safety mechanism "Sleeve Lock"
Available with: Pressure eliminator / valve in the coupling or nipple for easier disconnection when pressure in the system.
Pressure Class: Given pressure rating applies to the static pressure. At pulsating pressure, use 50% of the given working pressure.
Safety Factor: 4:1
Applications: Hydraulic systems, fuel, water and gas.

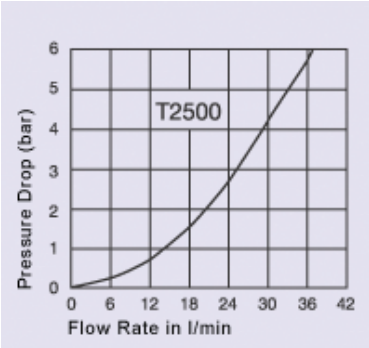
Series 15000
Series 20000

Construction:
Standard Coupling Casing: Hardened steel, zinc chromated / stainless steel: AISI 316
Standard nipple: Hardened steel, zinc chromated / stainless steel: AISI 316
Springs and balls: Stainless steel
Temperature: O-ring seal: Nitrile - 40°C to + 100°C
O-ring seal: Viton - 25°C to + 200°C
Throughput: Full throughput, with minimal pressure loss. The standard version comes with the safety mechanism "Sleeve Lock"
Available with: Pressure eliminator / valve in the coupling or nipple for easier disconnection when pressure in the system.
Pressure Class: Given pressure rating applies to the static pressure. At pulsating pressure, use 50% of the given working pressure.
Safety Factor: 4:1
Applications: Hydraulic systems, fuel, water and gas.

Series FF

Construction:
Standard Coupling Casing: Hard chrome-plated brass / stainless steel: AISI 316
Standard nipple: Hardened steel, zinc chromated / stainless steel: AISI 316
Springs and balls: Stainless steel
Temperature: O-ring seal: Nitrile - 40°C to + 100°C
O-ring seal: Viton - 25°C to + 200°C
Throughput: Full throughput, with minimal pressure loss. The standard version comes with the safety mechanism "Sleeve Lock"
Pressure Class: Pressure elmininator in the nipple part. Can be operated, connected and disconnected with one hand. The coupling is 100% spill free.
Safety Factor: 4:1
Applications: Hydraulic systems, Cranes and panel mounting. Also used on trucks.

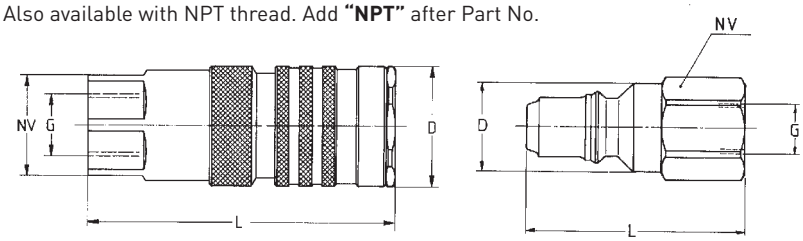
TEMA QUICK RELEASE COUPLINGS HYDRAULIC Series 2500 1/4"



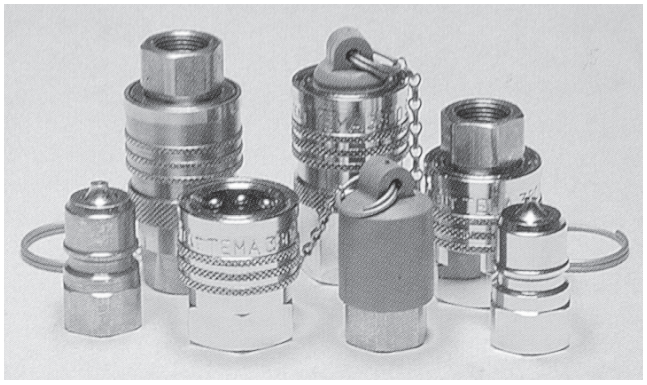
Viscosy = 30 cST = 4°E
Oil temp. 50°C.

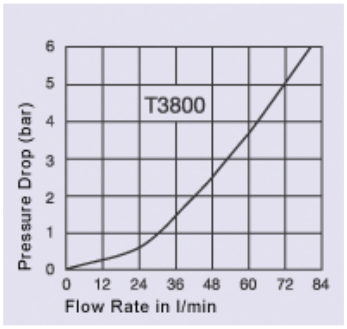
Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	2510	1/4"	6.5	Nitrile	25	64	21	45	450	180	1800	30	300	150
w/o Valve	2510 UV	1/4"	6.5	Nitrile	25	64	21	45	450	180	1800	30	300	145
w/ Valve	2510 V	1/4"	6.5	Viton	25	64	21	45	450	180	1800	30	300	150
w/o Valve	2510 VUV	1/4"	6.5	Viton	25	64	21	45	450	180	1800	30	300	145
Nipple														
w/ Valve	2520	1/4"	6.5	Nitrile	18	45	19	45	450	180	1800	30	300	40
w/o Valve	2520 UV	1/4"	6.5	–	18	45	19	45	450	180	1800	30	300	35
w/ Valve	2520 V	1/4"	6.5	Viton	18	45	19	45	450	180	1800	30	300	40
Stainless Steel Coupling														
w/ Valve	2510 RV	1/4"	6.5	Viton	25	64	21	21	210	165	1650	21	210	145
w/o Valve	2510 RVUV	1/4"	6.5	Viton	25	64	21	21	210	165	1650	21	210	140
Stainless Steel Nipple														
w/ Valve	2520 RV	1/4"	6.5	Viton	18	45	19	21	210	165	1650	21	210	45
w/ Brass Valve	2520 RF	1/4"	6.5	Nitrile	18	45	19	21	210	165	1650	21	210	44
w/o Valve	2520 RUV	1/4"	6.5	–	18	45	19	21	210	165	1650	21	210	40
Dust protection for:														
Coupling	2516			PVC		29								10
Nipple	2526			PVC		38								14
O-ring														
Inner	2500-08			Nitrile										
Outer	2500-09			Nitrile										
Inner	2500-08 V			Viton										
Outer	2500-09 V			Viton										
Inner	2500-08 T			Teflon										
Outer	2500-09 T			Teflon										

Also available with NPT thread. Add **"NPT"** after Part No.



TEMA QUICK RELEASE COUPLINGS HYDRAULIC Series 3800 3/8"

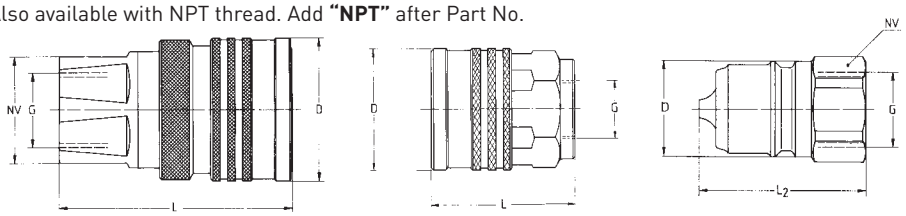




Viscosy = 30 cST = 4°E
Oil temp. 50°C.

Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	3810	3/8"	10	Nitrile	34	59	28	35	350	130	1300	28	280	250
w/o Valve	3810 UV	3/8"	10	Nitrile	34	59	28	35	350	130	1300	28	280	240
w/ Valve	3810 V	3/8"	10	Viton	34	59	28	35	350	130	1300	28	280	250
w/o Valve	3810 VUV	3/8"	10	Viton	34	59	28	35	350	130	1300	28	280	240
w/o Valve	3810 H	3/8"	10	Nitrile	34	40	29	35	350	130	1300	28	280	150
w/o Valve	3810 HV	3/8"	10	Viton	34	40	29	35	350	130	1300	28	280	150
Nipple														
w/ Valve	3820	3/8"	10	Nitrile	21	42	22	35	350	130	1300	28	280	60
w/ Valve	3820 MN	3/8"	10	Nitrile	21	42	22	2	20	≥50	≥500	2	20	60
w/o Valve	3820 UV	3/8"	10	–	21	38	22	35	350	130	1300	28	280	50
w/ Valve	3820 V	3/8"	10	Viton	21	42	22	35	350	130	1300	28	280	60
Coupling w/ Eliminator														
w/ Valve	3811	3/8"	10	Nitrile	34	59	28	35	350	130	1300	28	280	250
w/ Valve	3811 V	3/8"	10	Viton	34	59	28	35	350	130	1300	28	280	250
Nipple w/ Eliminator														
w/ Valve	3821	3/8"	10	Nitrile	21	42	22	35	350	130	1300	28	280	60
w/ Valve	3821 V	3/8"	10	Viton	21	42	22	35	350	130	1300	28	280	60
Stainless Steel Coupling														
w/ Valve	3810 RV	3/8"	10	Viton	34	59	24	23	230	135	1350	21	210	205
w/o Valve	3810 RVUV	3/8"	10	Viton	34	59	24	23	230	135	1350	21	210	195
Brass Valve w/ Elimin.	3811 RFV	3/8"	10	Viton	34	59	24	23	230	135	1350	21	210	205
Stainless Steel Nipple														
w/ Valve	3820 RV	3/8"	10	Viton	21	42	22	23	230	135	1350	21	210	57
w/o Valve	3820 RUV	3/8"	10	–	21	38	22	23	230	135	1350	21	210	47
Brass Valve w/ Elimin.	3821 RFV	3/8"	10	Viton	21	42	22	23	230	135	1350	21	210	57
Dust protection for:														
Coupling	3816			PVC	38									14
Nipple	3826			PVC	40									17
O-ring														
Inner	3800-08			Nitrile										
Outer	3800-09			Nitrile										
Inner	3800-08 V			Viton										
Outer	3800-09 V			Viton										
Inner	3800-08 T			Teflon										
Outer	3800-09 T			Teflon										

Also available with NPT thread. Add **"NPT"** after Part No.



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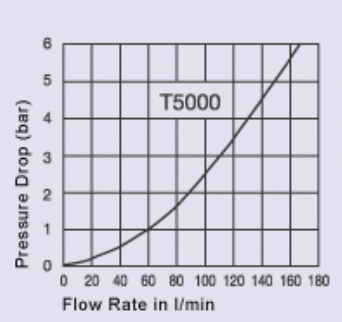
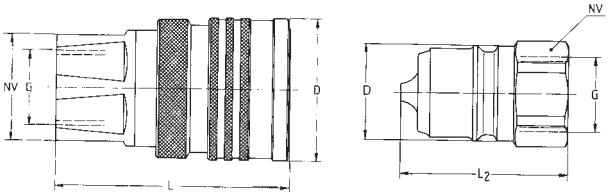
TEMA QUICK RELEASE COUPLINGS HYDRAULIC Series 5000 1/2"



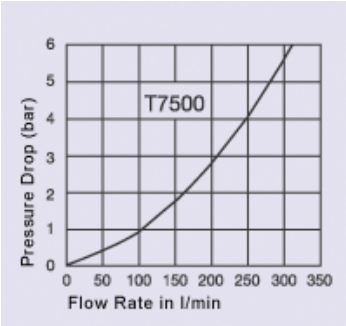
Viscosy = 30 cST = 4°E
Oil temp. 50°C.

Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	5010	1/2"	13	Nitrile	40	65	30	30	300	110	1100	25	250	320
w/o Valve	5010 UV	1/2"	13	Nitrile	40	65	30	30	300	110	1100	25	250	305
w/ Valve	5010V	1/2"	13	Viton	40	65	30	30	300	110	1100	25	250	320
w/o Valve	5010 VUV	1/2"	13	Viton	40	65	30	30	300	110	1100	25	250	305
Nipple														
w/ Valve	5020	1/2"	13	Nitrile	26	46	27	30	300	110	1100	25	250	91
w/o Valve	5020 UV	1/2"	13	–	26	42	27	30	300	110	1100	25	250	76
w/ Valve	5020 V	1/2"	13	Viton	26	46	27	30	300	110	1100	25	250	91
Coupling w/ Eliminator														
w/ Valve	5011	1/2"	13	Nitrile	40	65	30	30	300	110	1100	25	250	320
w/o Valve	5011 V	1/2"	13	Viton	40	65	30	30	300	110	1100	25	250	320
Nipple w/ Eliminator														
w/ Valve	5021	1/2"	13	Nitrile	26	46	27	30	300	110	1100	25	250	91
w/o Valve	5021 V	1/2"	13	Viton	26	46	27	30	300	110	1100	25	250	91
Stainless Steel Coupling														
w/ Valve	5010 RV	1/2"	13	Viton	40	65	30	21	210	130	1300	21	210	305
w/o Valve	5010 RVUV	1/2"	13	Viton	40	65	30	21	210	130	1300	21	210	290
Brass Valve w/ Elimin.	5011 RFV	1/2"	13	Viton	40	65	30	21	210	130	1300	21	210	305
Stainless Steel Nipple														
w/ Valve	5020 RV	1/2"	13	Viton	26	46	27	21	210	130	1300	21	210	93
w/o Valve	5020 RUV	1/2"	13	–	26	42	27	21	210	130	1300	21	210	78
Brass Valve w/ Elimin.	5021 RFV	1/2"	13	Viton	26	46	27	21	210	130	1300	21	210	93
Dust protection for:														
Coupling	5016			PVC-plastic		39								17
Nipple	5026			PVC-plastic		42								23
O-ring														
Inner	5000-08			Nitrile										
Outer	5000-09			Nitrile										
Inner	5000-08 V			Viton										
Outer	5000-09 V			Viton										
Inner	5000-08 T			Teflon										
Outer	5000-09 T			Teflon										
Back-up														
	5000-07			Teflon										
	5000-07 T			Teflon										

Also available with NPT thread. Add **"NPT"** after Part No.



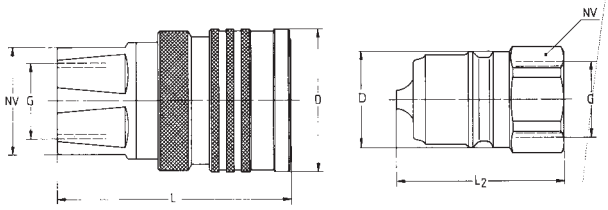
TEMA QUICK RELEASE COUPLINGS HYDRAULIC Series 7500 3/4"



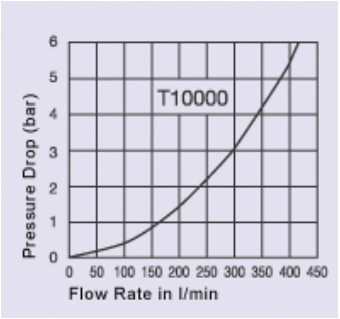
Viscosy = 30 cST = 4°E
Oil temp. 50°C.

Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	7510	3/4"	20	Nitrile	52	73	38	28	280	107	1070	20	200	585
w/o Valve	7510 UV	3/4"	20	Nitrile	52	73	38	28	280	107	1070	20	200	545
w/ Valve	7510 V	3/4"	20	Viton	52	73	38	28	280	107	1070	20	200	585
w/o Valve	7510 VUV	3/4"	20	Viton	52	73	38	28	280	107	1070	20	200	545
Nipple														
w/ Valve	7520	3/4"	20	Nitrile	35	52	36	28	280	107	1070	20	200	185
w/o Valve	7520 UV	3/4"	20	–	35	47	36	28	280	107	1070	20	200	155
w/ Valve	7520 V	3/4"	20	Viton	35	52	36	28	280	107	1070	20	200	185
Super w/ Valve	7520 S	3/4"	20	Nitrile	35	52	36	28	280	107	1070	28	280	200
Super w/o Valve	7520 SUV	3/4"	20	–	35	47	36	28	280	107	1070	28	280	170
Coupling w/ Eliminator														
w/ Valve	7511	3/4"	20	Nitrile	52	73	38	28	280	107	1070	20	200	585
w/o Valve	7511 V	3/4"	20	Viton	52	73	38	28	280	107	1070	20	200	585
Nipple w/ Eliminator														
w/ Valve	7521	3/4"	20	Nitrile	35	52	36	28	280	107	1070	20	200	185
w/ Valve	7521 V	3/4"	20	Viton	35	52	36	28	280	107	1070	20	200	185
Super w/ Valve	7521 S	3/4"	20	Nitrile	35	52	36	28	280	107	1070	28	280	200
Stainless Steel Coupling														
w/ Valve	7510 RV	3/4"	20	Viton	52	73	38	18	180	80	800	18	180	510
w/o Valve	7510 RVUV	3/4"	20	Viton	52	73	38	18	180	80	800	18	180	480
Brass Valve w/ Elimin.	7511 RFV	3/4"	10	Viton	52	73	38	18	180	80	800	18	180	510
Stainless Steel Nipple														
w/ Valve	7520 RV	3/4"	20	Viton	35	52	36	18	180	80	800	18	180	190
w/o Valve	7520 RUV	3/4"	20	–	35	47	36	18	180	80	800	18	180	160
Brass Valve w/ Elimin.	7521 RFV	3/4"	20	Viton	35	52	36	18	180	80	800	18	180	190
Dust protection for:														
Coupling	7516			PVC		43								
Nipple	7526			PVC		45								
O-ring														
Inner	7500-08			Nitrile										
Outer	7500-09			Nitrile										
Inner	7500-08 V			Viton										
Outer	7500-09 V			Viton										
Inner	7500-08 T			Teflon										
Outer	7500-09 T			Teflon										
Back-up														
	7500-07			Teflon										
	7500-07 T			Teflon										

Also available with NPT thread. Add **"NPT"** after Part No.
TEMA "SUPER Nipple" for extreme operating conditions.
High pulsating pressure: hydraulic presses, front loaders, cranes, snow plows and pneumatic tools with rough treatment requirements



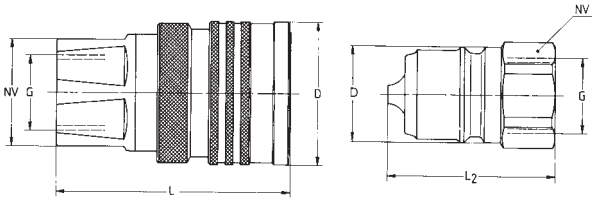
TEMA QUICK RELEASE COUPLINGS HYDRAULIC Series 10 000 1"



Viscosy = 30 cST = 4°E
Oil temp. 50°C.

Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	10010	1"	25	Nitrile	60	88	45	25	250	93	930	25	250	920
w/o Valve	10010 UV	1"	25	Nitrile	60	88	45	25	250	93	930	25	250	870
w/ Valve	10010 V	1"	25	Viton	60	88	45	25	250	93	930	25	250	920
w/o Valve	10010 VUV	1"	25	Viton	60	88	45	25	250	93	930	25	250	870
w/ Valve	10010 T	1"	25	Teflon	60	88	45	25	250	93	930	25	250	920
w/ Valve	10010 TV	1"	25	Teflon/ Viton	60	88	45	25	250	93	930	25	250	920
Nipple														
w/ Valve	10020	1"	25	Nitrile	40	61	46	25	250	93	930	25	250	340
w/o Valve	10020 UV	1"	25	–	44	55	46	25	250	93	930	25	250	290
w/ Valve	10020 V	1"	25	Viton	61	55	46	25	250	93	930	25	250	340
Coupling w/ Eliminator														
w/ Valve	10011	1"	25	Nitrile	60	88	45	25	250	93	930	25	250	920
w/ Valve	10011 V	1"	25	Viton	60	88	45	25	250	93	930	25	250	920
Nipple w/ Eliminator														
w/ Valve	10021	1"	25	Nitrile	44	61	46	25	250	93	930	25	250	340
w/ Valve	10021 V	1"	25	Viton	44	61	46	25	250	93	930	25	250	340
Stainless Steel Coupling														
w/ Valve	10010 RV	1"	25	Viton	60	88	45	24	240	95	950	16,5	165	900
w/o Valve	10010 RVUV	1"	25	Viton	60	88	45	24	240	95	950	16,5	165	850
Brass Valve														
w/ Eliminator	10011 RFV	1"	25	Viton	60	88	45	15	150	70	700	15	150	900
Stainless Steel Nipple														
w/ Valve	10020 RV	1"	25	Viton	44	61	46	24	240	95	950	24	240	338
w/o Valve	10020 RUV	1"	25	–	44	55	46	24	240	95	950	24	240	288
Brass Valve														
w/ Eliminator	10021RFV	1"	25	Viton	44	61	46	15	150	70	700	15	150	338
Dust Protection for:														
Coupling	10016			PVC		51								44
Nipple	10026			PVC		56								54
O-ring														
Inner	10000-08			Nitrile										
Outer	10000-09			Nitrile										
Inner	10000-08V			Viton										
Outer	10000-09V			Viton										
Inner	10000-08T			Teflon										
Outer	10000-09T			Teflon										

Also available with NPT thread. Add **"NPT"** after Part No.

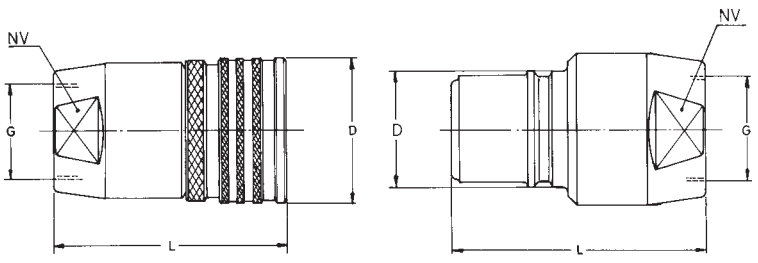


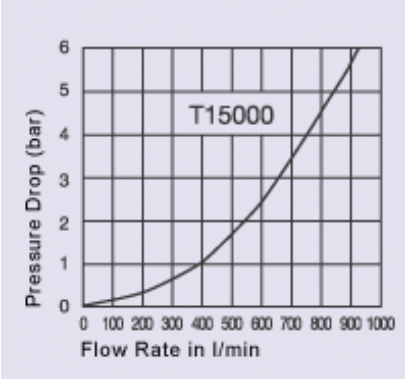
TEMA QUICK RELEASE COUPLINGS HYDRAULIC
Series 15 000 1 1/2"

Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	15010	1 1/2"	35.0	Nitrile	73	112	60	20	200	75	750	18	180	1455
w/o Valve	15010 UV	1 1/2"	35.0	Nitrile	73	112	60	20	200	75	750	18	180	1380
w/ Valve	15010 V	1 1/2"	35.0	Viton	73	112	60	20	200	75	750	18	180	1455
w/o Valve	15010 VUV	1 1/2"	35.0	Viton	73	112	60	20	200	75	750	18	180	1380
Nipple														
w/ Valve	15020	1 1/2"	35.0	Nitrile	48.5	107	60	20	200	75	750	18	180	1030
w/o Valve	15020 UV	1 1/2"	35.0	–	48.5	107	60	20	200	75	750	18	180	955
w/ Valve	15020 V	1 1/2"	35.0	Viton	48.5	107	60	20	200	75	750	18	180	1030
Stainless Steel Coupling														
w/ Valve	15010 RV	1 1/2"	35.0	Viton	73	112	60	15	150	>100	>1000	15	150	1550
w/o Valve	15010 RVUV	1 1/2"	35.0	Viton	73	112	60	15	150	>100	>1000	15	150	1375
Stainless Steel Nipple														
w/ valve	15020 RV	1 1/2"	35.0	Viton	48.5	107	60	15	150	>100	>1000	15	150	1115
w/o valve	15020 RUV	1 1/2"	35.0	–	48.5	107	60	15	150	>100	>1000	15	150	930
Dust protection for:														
Coupling	15016			acetal		25								72
Nipple	15026			Acetal		50								130
O-ring														
Inner	15000-08			Nitrile										
Outer	15000-09			Nitrile										
Inner	15000-08 V			Viton										
Outer	15000-09 V			Viton										

Also available with NPT thread. Add **"NPT"** after Part No.

Viscosy = 30 cST = 4°E
Oil temp. 50°C.

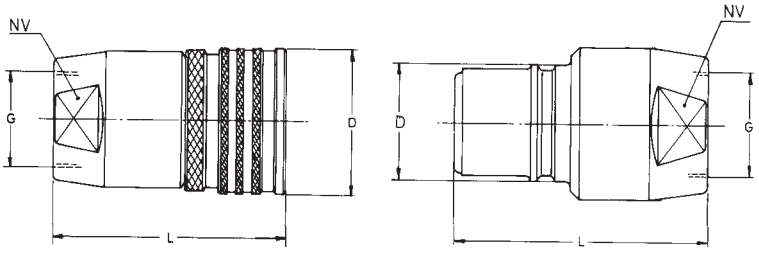




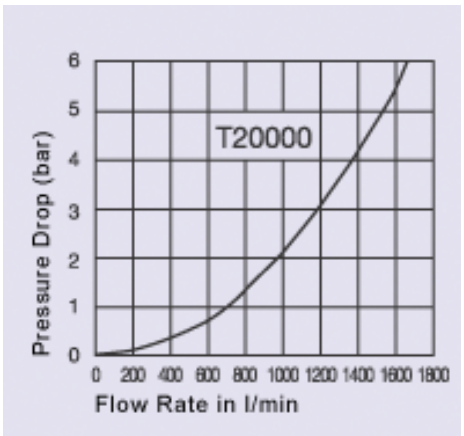
TEMA QUICK RELEASE COUPLINGS HYDRAULIC Series 20 000 2"

Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected MPa	Working Pressure Connected bar	Burst Pressure Connected MPa	Burst Pressure Connected bar	Working Pressure Disconnected MPa	Working Pressure Disconnected bar	Weight gr.
Coupling														
w/ Valve	20010	2"	45	Nitrile	90	144	75	18	180	70	700	15	150	2955
w/o Valve	20010 UV	2"	45	Nitrile	90	144	75	18	180	70	700	15	150	2855
w/ Valve	20010 V	2"	45	Viton	90	144	75	18	180	70	700	15	150	2955
w/o Valve	20010 VUV	2"	45	Viton	90	144	75	18	180	70	700	15	150	2855
Nipple														
w/ Valve	20020	2"	45	Nitrile	60	142	75	18	180	70	700	15	150	2110
w/o Valve	20020 UV	2"	45	–	60	142	75	18	180	70	700	15	150	2110
w/ Valve	20020 V	2"	45	Viton	60	142	75	18	180	70	700	15	150	2110
Stainless Steel Coupling														
w/ Valve	20010RV	2"	45	Viton	90	144	75	8	80	>100	>1000	8	80	3150
w/o Valve	20010RVUV	2"	45	Viton	90	144	75	8	80	>100	>1000	8	80	2795
Stainless Steel Nipple														
w/ Valve	20020 RV	2	45	Viton	60	142	75	8	80	>100	>1000	8	80	2300
w/o Valve	20020RUV	2	45	Viton	60	142	75	8	80	>100	>1000	8	80	1955
Dust protection for:														
Coupling	20016			Acetal		27								44
Nipple	20026			Acetal		67								54

Also available with NPT thread. Add **"NPT"** after Part No.



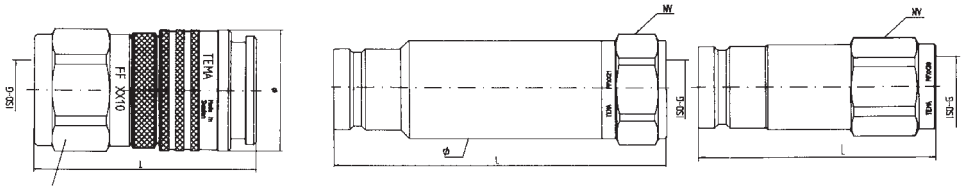
Viscosy = 30 cST = 4°E
Oil temp. 50°C.

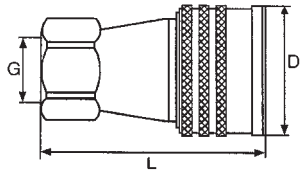


TEMA QUICK RELEASE COUPLINGS HYDRAULIC
Series 4000 - 4100
Series FF 3/8" to 1"

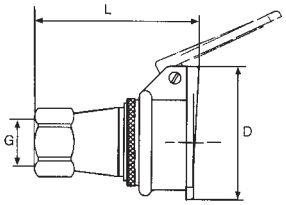
Type	Part No.	Dim. Female Thread BSP	Minimum Through-put mm	Sealing Material	D mm	L mm	WS mm	Working Pressure Connected		Burst Pressure Connected		Working Pressure Disconnected		Weight gr.
								MPa	bar	MPa	bar	MPa	bar	
Coupling w/ Valve	IF-3810	3/8"	9,0	Nitrile	32	71	30	25	250	110	1100	20	200	234
Nipple w/ Valve	IF-3820	3/8"	9,0	Nitrile	32	58	30	25	250	110	1100	20	200	164
Nipple w/ Eliminator w/ Valve	IF-3821	3/8"	9,0	Nitrile	32	87	30	25	250	110	1100	20	200	220
Coupling w/ Valve	IF-3810-50	1/2"	9,0	Nitrile	32	73	30	25	250	110	1100	20	200	256
Nipple w/ Valve	IF-3820-50	1/2"	9,0	Nitrile	32	60	30	25	250	110	1100	20	200	164
Nipple w/ Eliminator w/ Valve	IF-3821-50	1/2"	13,0	Nitrile	32	89	30	25	250	110	1100	20	200	232
Coupling w/ Valve	FF 5010	1/2"	13,0	Nitrile	44	81,5	40	35	350	150	1500	35	350	540
Nipple w/ Valve	FF 5020	1/2"	13,0	Nitrile	35	84	32	35	350	150	1500	35	350	285
Nipple w/ Eliminator w/ Valve	FF 5021	1/2"	13,0	Nitrile	40	120	36	35	350	150	1500	35	350	570
Coupling w/ Valve	FF 7510	3/4"	19,0	Nitrile	55	98	41	35	350	150	1500	35	350	965
Nipple w/ Valve	FF 7520	3/4"	19,0	Nitrile	45	101	41	35	350	150	1500	35	350	600
Nipple w/ Eliminator w/ Valve	FF 7521	3/4"	19,0	Nitrile	56	145,5	50	35	350	150	1500	35	350	1350
Coupling w/ Valve	FF 10010	1"	25,5	Nitrile	70	120	55	25	250	100	1000	25	250	2000
Nipple w/ Valve	FF 10020	1"	25,5	Nitrile	60	130	55	25	250	100	1000	25	250	1160
Nipple w/ Eliminator w/ Valve	FF 10021	1"	25,5	Nitrile	60	182	55	25	250	100	1000	25	250	1840

Also available with NPT thread. Add **"NPT"** after Part No.

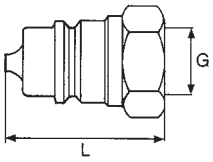




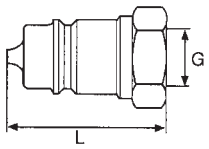
Coupling



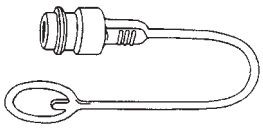
Coupling + plastic cap



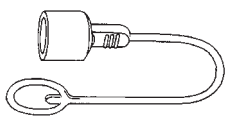
Nipple



Nipple - extended version



Dust protection for coupling



Dust protection for nipple

TEMA QUICK RELEASE COUPLINGS
HYDRAULIC
Series 5500
ISO - standard A and ISO 5675 / SMS 3275
Standard norm for agricultural machinery

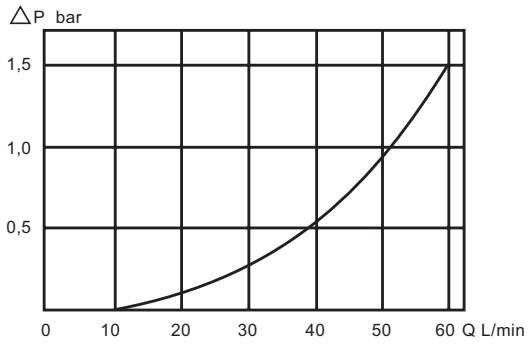
Construction:
Standard coupling casing: Hard-drawn chrome-plated brass
Standard nipple: Hardened steel, zinc chromated
Springs and balls: Stainless steel
Sealing: Nitrile or Viton
Available with: Pressure eliminator in the nipple
Applications: Hydraulic systems in agriculture and industry
Is interchangeable with most coupling types built after ISO-standard A

Type	Part No.	Female Connection ISO-BSP	Sealing Material	D mm	L mm	WS mm	Max Work. Pres. bar	Min. Burst Pres. bar	Weight g
Coupling	5510	1/2	Nitrile	38	63	27	250	1150	248
Coupling + plastic cap	5510-5540	1/2	Nitrile	58	67	27	250	1150	248
Coupling	5510 V	1/2	Viton	38	63	27	250	1150	230
Nipple	5520	1/2	Nitrile		46	27	250	1150	80
Nipple	5520 V	1/2	Viton		46	27	250	1150	80
Nipple w/ eliminator	5521	1/2	Nitrile		46	27	250	1150	80
Nipple Extended version	5520 F	1/2	Nitrile		51	27	250	1150	80
Nipple extended version w/ eliminator	5521 F	1/2	Nitrile		51	27	250	1150	85
Plastic cap	5540		PVC	58	24				8
Dust protection for coupling	5516		PVC*						10
Dust protection for nipple	5526		PVC*						10
Gasket kit consisting of O-ring and support ring	5500-PSN		Nitrile/ Teflon						
	5500-PSV		Viton/ Teflon						

*Prevents dust and dirt from entering the system when the coupling is disconnected

Quality: Oil and cold resistant plastic.

PRESSURE DROP CHART



QUICK RELEASE COUPLINGS
Snap-tite
Series H
Steel

Construction: Yellow-chromated steel coupling and nipple. BUNA N gasket as standard. Coupling and nipple are available with and without valve. Coupling can be delivered with a safety mechanism, sleeve lock, in all dimensions. Design in accordance with MIL–C–51234.

Features: • Small dimensions • Low pressure loss • Two-piece construction • End cap can be replaced
• PH version with pressure relief valve (available on request from the factory)

Snap-tite Series H can be used in the following combinations:
• Quick release coupling with double closure: Coupling and nipple with valve.
• Quick release coupling with single closure: Coupling with valve, nipple without.
• Quick release coupling without closure and full opening: Coupling and nipple without valve.

Temp. range: - 40°C to + 90°C (BUNA N gasket)
- 29°C to + 190°C (VITON gasket)

Applications: All-round quick release coupling for industrial, construction and offshore activities. Applicable for hydraulic, air, liquids, gases etc.

Dim./ Connection	Coupling w/ Valve		Coupling w/ Valve and Sleevelock		Coupling w/o Valve		Nipple w/ Valve		Nipple w/o Valve		Working Pressure w/ Valve		Working Pressure w/o Valve	
	Fem. NPT Part No. VHC	Fem. BSP Part No. VHC	Fem. NPT Part No. VHC	Fem.BSP Part No. VHC	Fem.NPT Part No. PHC	Fem.BSP Part No. PHC	Fem.NPT Part No. VHN	Fem.BSP Part No. VHN	Fem. NPT Part No. PHN	Fem. BSP Part No. PHN	Bar	PSI	Bar	PSI
1/4"	4-4F	4-4RP	4-4FSL	4-4RPSL	4-4F	4-4RP	4-4F	4-4RP	4-4F	4-4RP	450	6500	760	11000
3/8"	6-6F	6-6RP	6-6FSL	6-6RPSL	6-6F	6-6RP	6-6F	6-6RP	6-6F	6-6RP	310	4500	760	11000
1/2"	8-8F	8-8RP	8-8FSL	8-8RPSL	8-8F	8-8RP	8-8F	8-8RP	8-8F	8-8RP	280	4000	760	11000
3/4"	12-12F	12-12RP	12-12FSL	12-12RPSL	12-12F	12-12RP	12-12F	12-12RP	12-12F	12-12RP	245	3500	625	9000
1"	16-16F	16-16RP	16-16FSL	16-16RPSL	16-16F	16-16RP	16-16F	16-16RP	16-16F	16-16RP	140	2000	415	6000
1.1/4"	20-20F	20-20RP	20-20FSL	20-20RPSL	20-20F	20-20RP	20-20F	20-20RP	20-20F	20-20RP	125	1750	345	5000
1.1/2"	24-24F	24-24RP	24-24FSL	24-24RPSL	24-24F	24-24RP	24-24F	24-24RP	24-24F	24-24RP	105	1500	345	5000
2"	32-32F	32-32RP	32-32FSL	32-32RPSL	32-32F	32-32RP	32-32F	32-32RP	32-32F	32-32RP	105	1500	280	4000
2.1/2"	40-40F	40-40RP	40-40FSL	40-40RPSL	40-40F	40-40RP	40-40F	40-40RP	40-40F	40-40RP	70	1000	70	1000
3"	48-48F	48-48RP	48-48FSL	48-48RPSL	48-48F	48-48RP	48-48F	48-48RP	48-48F	48-48RP	55	750	55	750
4"	64-64F	64-64RP	64-64FSL	64-64RPSL	64-64F	64-64RP	64-64F	64-64RP	64-64F	64-64RP	35	500	35	500

Safety factor 2:1 Testing pressure 1.5 x working pressure.

Snap-tite INC.

QUICK RELEASE COUPLINGS
Snap-tite
Series H
Brass

Construction: Brass coupling and nipple. BUNA N gasket as standard.
Coupling and nipple are available with and without valve. Coupling can be delivered with a safety mechanism, sleeve lock, in all dimensions. Design in accordance with MIL–C–51234.

Features:
- Small dimension • Low pressure loss • Two-piece construction • End cap can be replaced
- PH version with pressure relief valve (available on request from the factory)

Snap-tite Series H can be used in the following combinations:
- Quick release coupling with double closure: Coupling and nipple with valve.
- Quick release coupling with single closure: Coupling with valve, nipple without.
- Quick release coupling without closure and full opening: Coupling and nipple without valve.

Temp.range:
- 40°C to + 93°C (BUNA N gasket)
- 29°C to + 190°C (VITON gasket)

Applications: All-round quick release coupling for industrial, construction and offshore activities. Applicable for hydraulic, air, liquids, gases etc.

Dim./ Connection	Coupling w/ Valve		Coupling w/o Valve		Nipple w/ Valve		Nipple w/o Valve		Working Pressure w/ valve		Working Pressure w/o valve	
	Fem.NPT Part No. BVHC	Fem.BSP Part No. BVHC	Fem.NPT Part No. BPHC	Fem.BSP Part No. BPHC	Fem.NPT Part No. BVHN	Fem.BSP Part No. BVHN	Fem.NPT Part No. BPHN	Fem.BSP Part No. BPHN	Bar	PSI	Bar	PSI
1/4"	4-4F	4-4RP	4-4F	4-4RP	4-4F	4-4RP	4-4F	4-4RP	155	2250	280	4000
3/8"	6-6F	6-6RP	6-6F	6-6RP	6-6F	6-6RP	6-6F	6-6RP	155	2250	280	4000
1/2"	8-8F	8-8RP	8-8F	8-8RP	8-8F	8-8RP	8-8F	8-8RP	140	2000	280	4000
3/4"	12-12F	12-12RP	12-12F	12-12RP	12-12F	12-12RP	12-12F	12-12RP	140	2000	245	3500
1"	16-16F	16-16RP	16-16F	16-16RP	16-16F	16-16RP	16-16F	16-16RP	125	1750	210	3000
1.1/4"	20-20F	20-20RP	20-20F	20-20RP	20-20F	20-20RP	20-20F	20-20RP	25	350	70	1000
1.1/2"	24-24F	24-24RP	24-24F	24-24RP	24-24F	24-24RP	24-24F	24-24RP	25	350	70	1000
2"	32-32F	32-32RP	32-32F	32-32RP	32-32F	32-32RP	32-32F	32-32RP	30	400	55	750
2.1/2"	40-40F	40-40RP	40-40F	40-40RP	40-40F	40-40RP	40-40F	40-40RP	30	400	30	400
3"	48-48F	48-48RP	48-48F	48-48RP	48-48F	48-48RP	48-48F	48-48RP	15	200	15	200
4"	64-64F	64-64RP	64-64F	64-64RP	64-64F	64-64RP	64-64F	64-64RP	10	150	10	150

Safety factor 2:1 Testing pressure 1.5 x working pressure.

QUICK RELEASE COUPLINGS
Snap-tite
Series H
Stainless Steel AISI 316

Construction: Stainless steel AISI 316 coupling and nipple. BUNA N gasket as standard.
Coupling and nipple are available with and without valve. Coupling can be delivered with a safety mechanism, sleeve lock, in all dimensions (add SL after Part No.).
Design in accordance to MIL–C–51234.

Features: • Small dimensions • Low pressure loss • Two-piece construction • End cap can be replaced

Snap-tite Series H can be used in the following combinations:
• Quick release coupling with double closure: Coupling and nipple with valve.
• Quick release coupling with single closure: Coupling with valve, nipple without.
• Quick release coupling without closure and full opening: Coupling and nipple without valve.

Temp. range: - 40°C to + 93°C (BUNA N gasket)
- 29°C to + 190°C (VITON gasket)

Applications: All-round quick release coupling for industrial, construction and offshore activities. Applicable for hydraulic, air, liquids, gases etc.

NB: All pressures stated are when connected

Special nipple for water jet: Special material hardened SH, combination - AISI 316 and Nitronic.
Without valve 3/8" NPT female: Part No. S049-3
Without valve 1/2" NPT female: Part No. S023-3

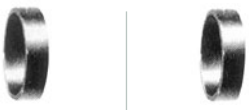
Dim./ Connection	Coupling w/ Valve		Coupling w/o Valve		Nipple w/ Valve		Nipple w/o Valve		Working Pressure w/ valve		Working Pressure w/o valve	
	Fem. NPT Part No. SVHC	Fem. BSP Part No. SVHC	Fem. NPT Part No. SPHC	Fem. BSP Part No. SPHC	Fem. NPT Part No. SVHN	Fem. BSP Part No. SVHN	Fem. NPT Part No. SPHN	Fem. BSP Part No. SPHN	Bar	PSI	Bar	PSI
1/4"	4-4F	4-4RP	4-4F	4-4RP	4-4F	4-4RP	4-4F	4-4RP	345	5000	690	10000
3/8"	6-6F	6-6RP	6-6F	6-6RP	6-6F	6-6RP	6-6F	6-6RP	280	4000	555	8000
1/2"	8-8F	8-8RP	8-8F	8-8RP	8-8F	8-8RP	8-8F	8-8RP	260	3750	555	8000
3/4"	12-12F	12-12RP	12-12F	12-12RP	12-12F	12-12RP	12-12F	12-12RP	140	2000	485	7000
1"	16-16F	16-16RP	16-16F	16-16RP	16-16F	16-16RP	16-16F	16-16RP	140	2000	280	4000
1.1/4"	20-20F	20-20RP	20-20F	20-20RP	20-20F	20-20RP	20-20F	20-20RP	105	1500	210	3000
1.1/2"	24-24F	24-24RP	24-24F	24-24RP	24-24F	24-24RP	24-24F	24-24RP	105	1500	210	3000
2"	32-32F	32-32RP	32-32F	32-32RP	32-32F	32-32RP	32-32F	32-32RP	35	500	70	1000
2.1/2"	40-40F	40-40RP	40-40F	40-40RP	40-40F	40-40RP	40-40F	40-40RP	30	400	30	400
3"	48-48F	48-48RP	48-48F	48-48RP	48-48F	48-48RP	48-48F	48-48RP	30	400	30	400
4"	64-64F	64-64RP	64-64F	64-64RP	64-64F	64-64RP	64-64F	64-64RP	25	300	25	300

Safety factor 2:1 Testing pressure 1.5 x working pressure.

QUICK RELEASE COUPLINGS
Snap-tite
Series H
Accessories and Spare Parts

Dust caps / dust plugs: Part No. for aluminum dust cap and dust plug includes 300 mm galvanized steel chain.

Dim.	Plastic Combination Cap / Plug Part No.	Aluminium Cap Part No.	Aluminium Plug Part No.
1/4"	PDCP-4	-	-
3/8"	PDCP-6	-	-
1/2"	PDCP-8	-	-
3/4"	PDCP-12	-	-
1"	PDCP-16	-	-
1.1/4"	–	ADCH-20	AMPH-20
1.1/2"	–	ADCH-24	AMPH-24
2"	–	ADCH-32	AMPH-32
2.1/2"	–	ADCH-40	AMPH-40
3"	–	ADCH-48	AMPH-48



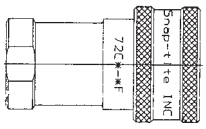
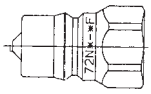
Dim.	U-gasket Buna N Part No.	U-gasket Viton Part No.	O-ring, Large (for adaptor) Buna N Part No.	O-ring, Large (for adaptor) Viton Part No.	O-ring, Small (for valve) Buna N Part No.	O-ring, Small (for valve) Viton Part No.
1/4"	H4-56A	H4-56V	H4-59A	H4-59V	H4-55A	H4-55V
3/8"	H6-56A	H6-56V	H6-59A	H6-59V	–	–
1/2"	H8-56A	H8-56V	H8-59A	H8-59V	–	–
3/4"	H12-56A	H12-56V	H12-59A	H12-59V	–	–
1"	H16-56A	H16-56V	H16-59A	H16-59V	–	–
1.1/4"	H20-56A	H20-56V	H20-59A	H20-59V	H20-55A	H20-55V
1.1/2"	H24-56A	H24-56V	H24-59A	H24-59V	H24-55A	H24-55V
2"	H32-56A	H32-56V	H32-59A	H32-59V	H32-55A	H32-55V
2.1/2"	H40-56A	H40-56V	H40-59A	H40-59V	H40-55A	H40-55V
3"	H48-56A	H48-56V	H48-59A	H48-59V	H48-55A	H48-55V
4"	H64-56A	H64-56V	H64-59A	H64-59V	H64-55A	H64-55V

QUICK RELEASE COUPLINGS
Snap-tite
Series 72
Stainless Steel AISI 303

Construction: Stainless steel AISI 303 coupling and nipple AISI 303. Viton gasket as standard. Valve in coupling and nipple. Spill-free connection and disconnection. Coupling can be delivered with a safety mechanism, sleeve lock, in all dimensions, to avoid accidents when disconnecting. (add SL after Part No.). Series 72 can be delivered with all AISI 316 parts.

Temp.range: -29°C to +190°C (Viton gasket).

Applications: Quick release coupling for high-pressure hydraulic.

Dim./ Connect.	Coupling 		Nipple 		Working pressure	
	Female NPT Part No.	Female BSP Part No.	Female NPT Part No.	Female BSP Part No.	Bar	PSI
1/4"	S72C4-4F	S72C4-4RP	S72N4-4F	S72N4-4RP	380	5500
3/8"	S72C6-6F	S72C6-6RP	S72N6-6F	S72N6-6RP	260	3750
1/2"	S72C8-8F	S72C8-8RP	S728-8F	S72N8-8RP	260	3750
3/4"	S72C12-12F	S72C12-12RP	S72N12-12F	S72N12-12RP	210	3000
1"	S72C16-16F	S72C16-16RP	S72N16-16F	S72N16-16RP	210	3000

Safety factor 4:1. Testing pressure 1.5 x working pressure.

QUICK RELEASE COUPLINGS
Snap-tite Series 72

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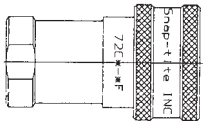
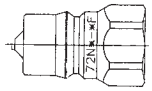
Construction: Steel coupling and nipple, surface treated against corrosion. BUNA N gasket as standard. Valve in coupling and nipple. Built in accordance with ISO Standard B, and is interchangeable with for example Hansen Series HK, Aeroquip FD 45, Parker.
Coupling can be delivered with a safety mechanism, sleeve lock, in all dimensions, to avoid accidents when disconnecting. (add SL after Part No.). Better pressure and lower pressure drop than for example Hansen HK Series.

Temp. range: -40°C to +93°C (BUNA N gasket).

Applications: Quick release coupling for high-pressure hydraulic.

Dim./ Connect.	Coupling 		Nipple 		Plastic combination cap/plug	Working pressure	
	Female NPT Part No.	Female BSP Part No.	Female NPT Part No.	Female BSP Part No.	Part No.	Bar	PSI
1/4"	72C4-4F	72C4-4RP	72N4-4F	72N4-4RP	72PDCP-4	520	7500
3/8"	72C6-6F	72C6-6RP	72N6-6F	72N6-6RP	72PDCP-6	345	5000
1/2"	72C8-8F	72C8-8RP	72N8-8F	72N8-8RP	72PDCP-8	345	5000
3/4"	72C12-12F	72C12-12RP	72N12-12F	72N12-12RP	72PDCP-12	280	4000
1"	72C16-16F	72C16-16RP	72N16-16F	72N16-16RP	72PDCP-16	280	4000

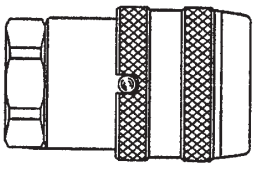
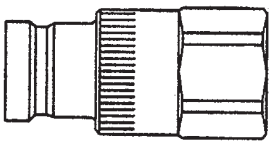
Safety factor 4:1. Testing pressure 1.5 x working pressure.

QUICK RELEASE COUPLINGS
Snap-tite
Series 71
Style 3
Steel

Construction: Surface treated against corrosion. Yellow chrome zinc.
Standard gaskets: BUNA N.
Available on request: VITON and EPR.
Spill-free connection and disconnection.
Can be delivered with safety lock, "Sleeve Lock" on the coupling. Add SL after Part No.

Temperature range: -40°C to +93°C with standard gasket BUNA N.

Applications: Quick release coupling for high pressure and air.

Coupling Dim.	Female Thread	Coupling		Nipple		Dust Plug	Dust Cap	Working Pressure	
									
		Female NPT Part No.	Female BSP Part No.	Female NPT Part No.	Female BSP Part No.	Plastic Part No.	Plastic Part No.	Bar	PSI
1/4"	1/4"	71-3C4-4F	71-3C4-4RP	71-3N4-4F	71-3N4-4RP	71-3PCC-4	71-3PNC-4	690	10.000
3/8"	1/4"	71-3C6-4F	71-3C6-4RP	71-3N6-4F	71-3N6-4RP	71-3PCC-6	71-3PNC-6	690	10.000
3/8"	3/8"	71-3C6-6F	71-3C6-6RP	71-3N6-6F	71-3N6-6RP	71-3PCC-6	71-3PNC-6	690	10.000
3/8"	1/2"	71-3C6-8F	71-3C6-8RP	71-3N6-8F	71-3N6-8RP	71-3PCC-6	71-3PNC-6	690	10.000
1/2"	1/2"	71-3C8-8F	71-3C8-8RP	71-3N8-8F	71-3N8-8RP	71-3PCC-8	71-3PNC-8	690	10.000
3/4"	3/4"	71-3C12-12F	71-3C12-12RP	71-3N12-12F	71-3N12-12RP	71-3PCC-12	71-3PNC-12	520	7.500
1"	1"	71-3C16-16F	71-3C16-16RP	71-3N16-16F	71-3N16-16RP	71-3PCC-16	71-3PNC-16	520	7.500
1"	1.1/4"	71-3C16-20F	71-3C16-20RP	71-3N16-20F	71-3N16-20RP	71-3PCC-20	71-3PNC-16	520	7.500

Safety factor: 2:1 - testing pressure 1.5 x working pressure.

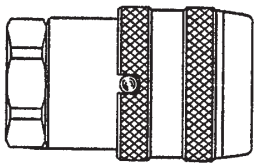
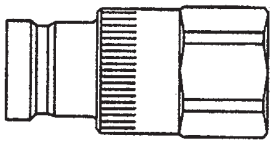
Note: Dimensions 3/8" - 1/2" and 3/4" coupling and nipple are interchangeable with old type 71 - styles 1 and 2.
Dimension 1" is not interchangeable, 1/4" has a brand new design.
Repair kit is available for all dimensions.

QUICK RELEASE COUPLINGS
Snap-tite
Series 71 - Style 3
Stainless Steel
AISI 316

Construction: Stainless Steel AISI 316 steel.
Standard gaskets: BUNA N.
Available on request: VITON and EPR.
Spill-free connection and disconnection.
Can be delivered with safety lock, "Sleeve Lock" on the coupling. Add SL after Part No.

Temperature range: -40°C to +93°C with standard gasket BUNA N.

Applications: Quick release coupling for high pressure and air.

Coupling Dim.	Female Thread	Coupling		Nipple		Dust Plug	Dust Cap	Working Pressure	
									
		Female NPT Part No.	Female BSP Part No.	Female NPT Part No.	Female BSP Part No.	Plastic Part No.	Plastic Part No.	Bar	PSI
1/4"	1/4"	S71-3C4-4F	S71-3C4-4RP	S71-3N4-4F	S71-3N4-4RP	71-3PCC-4	71-3PNC-4	345	5000
3/8"	1/4"	S71-3C6-4F	S71-3C6-4RP	S71-3N6-4F	S71-3N6-4RP	71-3PCC-6	71-3PNC-6	345	5000
3/8"	3/8"	S71-3C6-6F	S71-3C6-6RP	S71-3N6-6F	S71-3N6-6RP	71-3PCC-6	71-3PNC-6	345	5000
3/8"	1/2"	S71-3C6-8F	S71-3C6-8RP	S71-3N6-8F	S71-3N6-8RP	71-3PCC-6	71-3PNC-6	345	5000
1/2"	1/2"	S71-3C8-8F	S71-3C8-8RP	S71-3N8-8F	S71-3N8-8RP	71-3PCC-8	71-3PNC-8	350	5000
3/4"	3/4"	S71-3C12-12F	S71-3C12-12RP	S71-3N12-12F	S71-3N12-12RP	71-3PCC-12	71-3PNC-12	350	5000
1"	1"	S71-3C16-16F	S71-3C16-16RP	S71-3N16-16F	S71-3N16-16RP	71-3PCC-16	71-3PNC-16	280	4000
1"	1.1/4"	S71-3C16-20F	S71-3C16-20RP	S71-3N16-20F	S71-3N16-20RP	71-3PCC-20	71-3PNC-16	280	4000

Safety factor: 2:1 - testing pressure 1.5 x working pressure.

Note: Dimensions 3/8" - 1/2" and 3/4" coupling and nipple are interchangeable with old type 71 - styles 1 and 2.
Dimension 1" is not interchangeable, 1/4" has a brand new design.
Repair kit is available for all dimensions.
Also available as SH71 for ultra-high pressure.

QUICK RELEASE COUPLINGS
Snap-tite Series 75

Construction: Steel coupling and nipple, zinc-chromated against corrosion. BUNA N gasket as standard, with Teflon back-up ring. Spill-free connection and disconnection by screwing the nipple in the coupling. Can be connected at 30% of stated working pressure.
Temperature range: -40°C to + 90°C (BUNA N gasket).
Applications: Quick release coupling for high-pressure hydraulics, especially for offshore, for hydraulic pliers, oil drilling equipment etc.
Approved by Det Norske Veritas.

Dim./ Connection Female NPT	Coupling Part No.	Nipple Part No.	Dust Plug Part No.	Dust Cap Part No.	Working Pressure Bar	Working Pressure PSI
3/4"	75C12-12F	75N12-12F	75MDP-12	75MDC-12	345	5000
1"	75C16-16F	75N16-16F	75MDP-16	75MDC-16	345	5000
1.1/4"	75C20-20F	75N20-20F	75MDP-20	75MDC-20	345	5000
1.1/2"	75C24-24F	75N24-24F	75MDP-24	75MDC-24	345	5000
2"	75C32-32F	75N32-32F	75MDP-32	75MDC-32	345	5000

Safety factor 2:1. Testing pressure 1.5 x working pressure. Series 75 is also available in dimensions 2.1/2", 3" and 4".
Series 75 is also available with female BSP thread.

QUICK RELEASE COUPLINGS
Snap-tite Series 78

Construction: Brass coupling and nipple. BUNA N gasket as standard. Steel nipple flange.
Spill-free connection and disconnection by screwing the nipple in the coupling. Can be connected under pressure. Snap-tite Series 78 is interchangeable with among others Aeroquip Series 5100.
Temperature range: -40°C to + 93°C (BUNA N gasket).
Applications: Quick release coupling for high-pressure hydraulics, especially for offshore, for hydraulic pliers, oil drilling equipment etc.

Dim./ Connection Female NPT	Coupling Part No.	Nipple Part No.	Steel Dust Plug Part No.	Steel Dust Cap Part No.	Steel Nipple Flange Part No.	Working Pressure Bar	Working Pressure PSI
3/4"	B78C12-12F	B78N12-12F	78DP-12	78DC-12	78F-12	210	3000
1"	B78C16-16F	B78N16-16F	78DP-16	78DC-16	78F-16	210	3000
1.1/4"	B78C20-20F	B78N20-20F	78DP-20	78DC-20	78F-20	190	2780
1.1/2"	B78C24-24F	B78N24-24F	78DP-24	78DC-24	78F-24	175	2500

Safety factor 2:1. Testing pressure 1.5 x working pressure.

QUICK RELEASE COUPLINGS
"Screw type"
Type QR 74

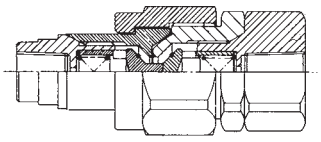
Construction:

Quick release coupling series with valve in coupling and nipple. Spill-free connection and disconnection in a few seconds by screwing the nipple in the coupling. The valves are automatically closed in both parts when disconnected.
Service-friendly - all components can be replaced
Available in different materials - 316L is standard.
Connection: NPT female thread. Viton gasket.
Can be produced to customer specifications, for example with different thread, bulkhead etc.
Available with wing nut for easy assembly or hex for narrow installations.

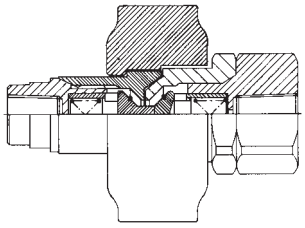
Applications:

QR74 is a robust quick release coupling series for most industrial fluids including hydraulic fluids, lubricants and air. QR74 is specially developed for use in critical areas offshore, where it is required that equipment must be able to be operated in a blow-out situation.
QR74 is approved by Lloyds Register of Shipping for fires up to 700°C.

With Hex



With Wing Nut



	Coupling		Nipple		Coupling		Nipple		Bar	
Dim. / Connection	Carbon Steel Part No. QR74	Stainless Steel 316 Part No. QR74	Carbon Steel Part No. QR74	Stainless Steel 316 Part No. QR74	Carbon Steel Part No. QR74	Stainless Steel 316 Part No. QR74	Carbon Steel Part No. QR74	Stainless Steel 316 Part No. QR74	Working Pressure	Burst Pressure
3/8"	-102-06	-202-06	-101-06	-201-06	-702-06	-802-06	-101-06	-201-06	345	1730
1/2"	-102-08	-202-08	-101-08	-201-08	-702-08	-802-08	-101-08	-201-08	345	1600
3/4"	-102-12	-202-12	-101-12	-201-12	-702-12	-802-12	-101-12	-201-12	345	1300
1"	-102-16	-202-16	-101-16	-201-16	-702-16	-802-16	-101-16	-201-16	345	1200
1 1/4"	-102-20	-202-20	-101-20	-201-20	-702-20	-802-20	-101-20	-201-20	345	1000
1 1/2"	-102-24	-202-24	-101-24	-201-24	-702-24	-802-24	-101-24	-201-24	345	930
2"	-102-32	-202-32	-101-32	-201-32	-702-32	-802-32	-101-32	-201-32	207	900

NEW

QUICK RELEASE COUPLINGS
BOP version
Snap-tite
Series 75DBP

Construction: Steel coupling and nipple, zinc-chromated against corrosion. BUNA N gasket as standard, with Teflon back-up ring. Spill-free connection and disconnection by screwing the nipple in the coupling. Can be connected at 30% of stated working pressure.

Temperature range: -40°C to + 90°C (BUNA N gasket).

Applications: Quick release coupling specially designed for use on BOP in accordance with API 16D. Certified by Lloyds to resist 700° C for 5 min.

Dim./ Connection Female NPT	Coupling Part No.	Nipple Part No.	Dust Plug Part No.	Dust Cap Part No.	Working Pressure Bar	PSI
3/4"	75C12-12FDBP	75N12-12FDBP	75MDP-12	75MDC-12	345	5000
1"	75C16-16FDBP	75N16-16FDBP	75MDP-16	75MDC-16	345	5000
1.1/4"	75C20-20FDBP	75N20-20FDBP	75MDP-20	75MDC-20	345	5000

QUICK RELEASE COUPLINGS
Pioneer series 3000
High-pressure - Screw Type

Construction: Hardened, zinc-chromated steel screw coupling and nipple.
Nitrile gasket (1/4") and Polyurethane (3/8")
Valve in coupling and nipple. Steel dust cover.

Applications: Special coupling for hydraulic tools, for extra high static pressure.
The coupling part comes with male thread, and the nipple with female.

Temperature range: 1/4": -40°C to +110°C
3/8": -40°C to +80°C

Male / Female NPTF	Coupling Part No.	Nipple Part No.	Dust Plug Part No.	Dust Cap Part No.	Working Pressure Bar
1/4"	3050-2	3010-2	3009-2	3005-2	700
3/8"	3050-3	3010-3	3009-3	3005-3	700

Construction: Hardened zinc-chromated steel coupling body and nipple. Valve in coupling and nipple.
Both valves open and provide full throughput when connected.
All couplings and nipples comes with dust plug and cap.
Temperature range: -40°C to +100°C
Applications: Special coupling for high-pressure hydraulics. Spill-free connection and disconnection.

CEJN Series 115
1000 bar

Working pressure: 1000 bar
Burst pressure: 2600 bar min.

Female BSP*	Coupling Part No.	Nipple Part No.	Female NPT	Coupling Part No.	Nipple Part No.
1/8"	115-1201	115-6201	1/8"	115-1401	115-6401
1/4"	115-1202	115-6202	1/4"	115-1402	115-6402
3/8"	115-1204	115-6204	3/8"	115-1404	115-6404

CEJN Series 116
1500 bar

Working pressure: 1500 bar
Burst pressure: 3000 bar min.

Female BSP*	Coupling Part No.	Nipple Part No.	Female NPT	Coupling Part No.	Nipple Part No.
1/8"	116-1201	116-6201	1/8"		
1/4"	116-1202	116-6202	1/4"	116-1402	116-6402

CEJN Series 125
2000 bar

Working pressure: 2000 bar
Burst pressure: 4000 bar min.

Female BSP*	Coupling Part No.	Nipple Part No.
1/4"	125-1202	125-6202

* BSP female thread is delivered with 120° inside sealing cone