NITTO KOHKI – TSP CUPLA (1)



TSP CUPLA

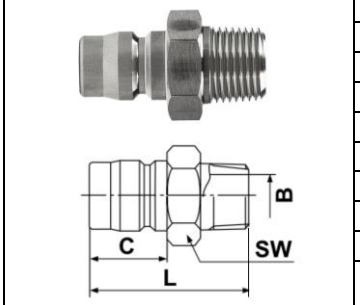
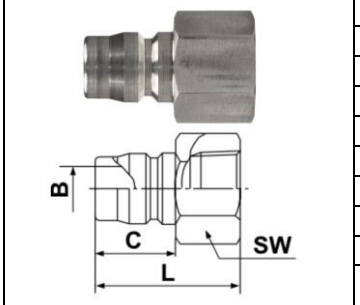
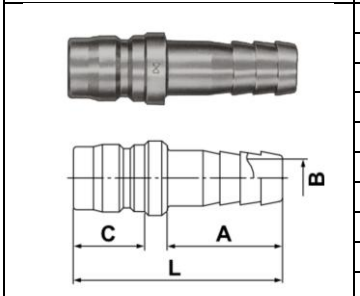
Full-bore Japanese quick coupling for liquids

Standard: manufacturer standard
Material: brass / steel nickel. / steel stainless. AISI 304
Working pressure: 15 ÷ 75 bar, depending on quick coupling size and material (see table)
Working temp.: from -20°C to +80°C (NBR – standard)
from -20°C to +180°C (viton - option)
from -40°C to +150°C (EPDM - option)

size	1/8”	1/4”	3/8”	1/2”	3/4”	1”	1.1/4”	1.1/2”	2”
working pressure (brass) [bar]	50				30		20		15
working pressure (nickel-plated steel, AISI 304 stainless steel) [bar]	75				45		30		20
flow (hydraulic oil, Δp = 1 bar) [l/min]	12	17	48	140	180	340	500	880	~

Universal valve-free quick couplings with free bore, intended for water, hydraulic oils, chemicals, steam, air and gases. Especially recommended for high-viscosity fluids, e.g. greases. Available in sizes from 1/8” to 2”, not interchangeable with one another. Widely used in industry.


TSP CUPLA: flow in either direction

plug	index (brass)	index (nickel-plated steel)	index (AISI 304)	connection	L [mm]	C [mm]	SW [mm]	B [mm]	A [mm]
	**Plug with BSPT male thread**								
	NK-1TPM-B	-	NK-1TPM-SS	1/8”	32	15,5	12	4,5	-
	NK-2TPM-B	NK-2TPM-S	NK-2TPM-SS	1/4”	38	18	17	6,5	-
	NK-3TPM-B	NK-3TPM-S	NK-3TPM-SS	3/8”	43	21	17	10	-
	NK-4TPM-B	NK-4TPM-S	NK-4TPM-SS	1/2”	52	24	22	13	-
	NK-6TPM-B	NK-6TPM-S	NK-6TPM-SS	3/4”	59	28	32	17	-
	NK-8TPM-B	NK-8TPM-S	NK-8TPM-SS	1”	73	36	41	25	-
	NK-10TPM-B	NK-10TPM-S	NK-10TPM-SS	1.1/4”	83	39	50	32	-
	NK-12TPM-B	NK-12TPM-S	NK-12TPM-SS	1.1/2”	93	45	54[1)]	38	-
	NK-16TPM-B	NK-16TPM-S	NK-16TPM-SS	2”	102	51	double-walled 75 x Ø80	50	-
	**Plug with BSPT female thread**								
	NK-1TPF-B	-	NK-1TPF-SS	1/8”	26	15,5	14	4,5	-
	NK-2TPF-B	NK-2TPF-S	NK-2TPF-SS	1/4”	34	18	17	6,5	-
	NK-3TPF-B	NK-3TPF-S	NK-3TPF-SS	3/8”	38	21	21	10	-
	NK-4TPF-B	NK-4TPF-S	NK-4TPF-SS	1/2”	45	24	29	13	-
	NK-6TPF-B	NK-6TPF-S	NK-6TPF-SS	3/4”	51	28	35	17	-
	NK-8TPF-B	NK-8TPF-S	NK-8TPF-SS	1”	60	36	41	26	-
	NK-10TPF-B	NK-10TPF-S	NK-10TPF-SS	1.1/4”	64	39	54[2)]	32	-
	NK-12TPF-B	NK-12TPF-S	NK-12TPF-SS	1.1/2”	75	45	58[3)]	38	-
	NK-16TPF-B	NK-16TPF-S	NK-16TPF-SS	2”	83	51	double-walled 77 x Ø82	50	-
	**Plug with hose tail**								
	NK-1TPH-B	-	NK-1TPH-SS	1/8”	41	15,5	-	3	20
	NK-2TPH-B	NK-2TPH-S	NK-2TPH-SS	1/4”	53	18	-	5	29
	NK-3TPH-B	NK-3TPH-S	NK-3TPH-SS	3/8”	60	21	-	7	32
	NK-4TPH-B	NK-4TPH-S	NK-4TPH-SS	1/2”	70	24	-	10	39
	NK-6TPH-B	NK-6TPH-S	NK-6TPH-SS	3/4”	84	28	-	15	48
	NK-8TPH-B	NK-8TPH-S	NK-8TPH-SS	1”	105	36	-	19	57
	NK-10TPH-B	NK-10TPH-S	NK-10TPH-SS	1.1/4”	121	39	-	26	70
	NK-12TPH-B	NK-12TPH-S	NK-12TPH-SS	1.1/2”	132	45	-	32	75
	NK-16TPH-B	NK-16TPH-S	NK-16TPH-SS	2”	142	51	-	40	80

[1)] - for AISI 304 steel, double-walled 54 x Ø60; [2)] - for AISI 304 steel, double-walled 54 x Ø59; [3)] - for AISI 304 steel, double-walled 58 x Ø65