

COUPLERS, PLUG, SOCKET

Stainless Steel Hi-Coupler

STAINLESS STEEL PLUG

PH (for hose connection)



For Hose	Weight (g)			Dimensions (mm)							
	Steel	Brass	Stainless	Lp	øHp	A	C	øT	øBp	øBd	
1/4"	28	30	26	57	16	30	20	9	5	7.5	
3/8"	31	34	27	61	16	34	20	11.3	7.5	7.5	
1/2"	53	58	47	63	20	36	20	15	7.5	7.5	
3/4"	66	72	67	66	22	36	23	15	9	13	
1"	121	132	129	77	30	45	23	21	13	13	
1 1/2"	152	167	150	85	34	55	23.5	27	20	13	

STAINLESS STEEL

PM (for female thread connection)



PT	Weight (g)			Dimensions (mm)							
	Steel	Brass	Stainless	Lp	Hp	A	C	T	øBp	øBd	
1/4"	26	28	27	41	Hex.14	13	20	PT 1/4"	7.5	7.5	
3/8"	46	50	45	42	Hex.19	14	20	PT 3/8"	7.5	7.5	
1/2"	61	66	62	46	Hex.22	16	20	PT 1/2"	12	7.5	
3/4"	71	77	70	50	Hex.22	16	23	PT 3/4"	13	13	
1"	116	126	115	55	Hex.32	18	23	PT 1"	19	13	
1 1/2"	152	167	198	63	Hex.35	23	23	PT 1 1/2"	22	13	

STAINLESS STEEL SOCKET

SH (for hose connection)



For Hose	Weight (g)			Dimensions (mm)							
	Steel	Brass	Stainless	Ls	øD	Hs	A	øT	øBs		
1/4"	98	107	100	72.5	26.5	Hex.19	30	9	5		
3/8"	102	111	101	76.5	26.5	Hex.19	34	11.3	7.5		
1/2"	117	124	118	78.5	26.5	Hex.19	36	15	9		
3/4"	220	240	218	83	35	Hex.29	36	15	9		
1"	251	273	242	92	35	Hex.29	45	21	14		
1 1/2"	273	299	272	102	35	Hex.29	55	27	20		

STAINLESS STEEL

SM (for female thread connection)



PT	Weight (g)			Dimensions (mm)							
	Steel	Brass	Stainless	Ls	øD	Hs	A	T	øBs		
PT 1/4"	95	103	96	55.5	26.5	Hex.19	13	PT 1/4"	7		
PT 3/8"	109	119	105	56.5	26.5	Hex.19	14	PT 3/8"	8		
PT 1/2"	116	126	120	59.5	26.5	Hex.22	16	PT 1/2"	9		
PT 3/4"	213	232	207	63	35	Hex.29	16	PT 3/4"	13		
PT 1"	260	283	241	67	35	Hex.32	19	PT 1"	16		
PT 1 1/2"	288	317	303	72	35	Hex.36	22	PT 1 1/2"	22		

Stainless Steel Hi-Coupler

PF (for male thread connection)



PT	Weight (g)			Dimensions (mm)							
	Steel	Brass	Stainless	Lp	Hp	A	C	T	øBp		
1/4"	28	30	30	36	Hex.17	13	20	PT 1/4"	7.5		
3/8"	38	41	41	37	Hex.17	14	20	PT 3/8"	7.5		
1/2"	71	77	69	38	Hex.29	15	20	PT 1/2"	7.5		
3/4"	82	89	81	41	Hex.29	15	23	PT 3/4"	13		
1"	116	126	118	45	Hex.35	17	23	PT 1"	13		
1 1/2"	186	202	192	54	Hex.41	22	23.5	PT 1 1/2"	13		

STAINLESS STEEL

SF (for male thread connection)



PT	Weight (g)			Dimensions (mm)							
	Steel	Brass	Stainless	Ls	øD	Hs	A	T			
1/4"	95	103	98	49.5	26.5	Hex.19	13	PT 1/4"			
3/8"	96	105	99	50.5	26.5	Hex.21	14	PT 3/8"			
1/2"	137	149	138	52.5	26.5	Hex.29	15	PT 1/2"			
3/4"	216	235	216	57	35	Hex.29	15	PT 3/4"			
1"	260	283	258	61	35	Hex.35	17	PT 1"			
1 1/2"	343	353	327	68	35	Hex.41	22	PT 1 1/2"			

Line Coupler L Type



Line Coupler S Type



SPECIFICATIONS

Material	Body: Aluminum Coupler: Steel (chrome-plated)			
Size	Inlet	1/2" Hi coupler (400PM)		
	Outlet	1/4" Hi coupler (205M)		
Working pressure (kg/cm²)	15			
Maximum pressure (kg/cm²)	20			
Packing material/ operating temperature	Rubber material	Nitto symbol	Operating temperature	Remarks
	Nitrile butadiene rubber	SG	-20℃ ~ +80℃	Standard material
Type of connection	Inlet	Rubber hose piping connected with 400SH		
	Outlet	1/2" and 3/4" rubber hose piping		



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COUPLERS, PLUG, SOCKET

Normal Steel Hi-Coupler

NORMAL STEEL PLUG

PH (for hose connection)



For Hose	Weight (g)			Dimensions (mm)						
	Steel	Brass	Stainless	Lp	øIp	A	C	øT	øBp	øBd
1/4"	28	30	26	57	16	30	20	9	5	7.5
3/8"	31	34	27	61	16	34	20	11.3	7.5	7.5
1/2"	53	58	47	63	20	36	20	15	7.5	7.5
3/4"	66	72	67	66	22	36	23	15	9	13
1"	121	132	129	77	30	45	23	21	13	13
1 1/2"	152	167	150	85	34	55	23.5	27	20	13

NORMAL STEEL

PM (for female thread connection)



PT	Weight (g)			Dimensions (mm)						
	Steel	Brass	Stainless	Lp	Hp	A	C	T	øBp	øBd
1/4"	26	28	27	41	Hex.14	13	20	PT1/4"	7.5	7.5
3/8"	46	50	45	42	Hex.19	14	20	PT3/8"	7.5	7.5
1/2"	61	66	62	46	Hex.22	16	20	PT1/2"	12	7.5
3/4"	71	77	70	50	Hex.22	16	23	PT3/4"	13	13
1"	116	126	115	55	Hex.32	18	23	PT1"	19	13
1 1/2"	152	167	198	63	Hex.35	23	23	PT1 1/2"	22	13

NORMAL STEEL SOCKET

SH (for hose connection)



For Hose	Weight (g)			Dimensions (mm)						
	Steel	Brass	Stainless	Ls	øD	Hs	A	øT	øBs	
1/4"	98	107	100	72.5	26.5	Hex.19	30	9	5	
3/8"	102	111	101	76.5	26.5	Hex.19	34	11.3	7.5	
1/2"	117	124	118	78.5	26.5	Hex.19	36	15	9	
3/4"	220	240	218	83	35	Hex.29	36	15	9	
1"	251	273	242	92	35	Hex.29	45	21	14	
1 1/2"	273	299	272	102	35	Hex.29	55	27	20	

NORMAL STEEL

SM (for female thread connection)



PT	Weight (g)			Dimensions (mm)						
	Steel	Brass	Stainless	Ls	øD	Hs	A	T	øBs	
PT1/4"	95	103	96	55.5	26.5	Hex.19	13	PT1/4"	7	
PT3/8"	109	119	105	56.5	26.5	Hex.19	14	PT3/8"	8	
PT1/2"	116	126	120	59.5	26.5	Hex.22	16	PT1/2"	9	
PT3/4"	213	232	207	63	35	Hex.29	16	PT3/4"	13	
PT1"	260	283	241	67	35	Hex.32	19	PT1"	16	
PT1 1/2"	288	317	303	72	35	Hex.36	22	PT1 1/2"	22	

Normal Steel Hi-Coupler

PF (for male thread connection)



PT	Weight (g)			Dimensions (mm)						
	Steel	Brass	Stainless	Lp	Hp	A	C	T	øBp	
1/4"	28	30	30	36	Hex.17	13	20	PT1/4"	7.5	
3/8"	38	41	41	37	Hex.17	14	20	PT3/8"	7.5	
1/2"	71	77	69	38	Hex.29	15	20	PT1/2"	7.5	
3/4"	82	89	81	41	Hex.29	15	23	PT3/4"	13	
1"	116	126	118	45	Hex.35	17	23	PT1"	13	
1 1/2"	186	202	192	54	Hex.41	22	23.5	PT1 1/2"	13	

NORMAL STEEL

SF (for male thread connection)



PT	Weight (g)			Dimensions (mm)						
	Steel	Brass	Stainless	Ls	øD	Hs	A	T		
1/4"	95	103	98	49.5	26.5	Hex.19	13	PT1/4"		
3/8"	96	105	99	50.5	26.5	Hex.21	14	PT3/8"		
1/2"	137	149	138	52.5	26.5	Hex.29	15	PT1/2"		
3/4"	216	235	216	57	35	Hex.29	15	PT3/4"		
1"	260	283	258	61	35	Hex.35	17	PT1"		
1 1/2"	343	353	327	68	35	Hex.41	22	PT1 1/2"		

Line Coupler L Type



Line Coupler S Type



SPECIFICATIONS...

Material Size	Body: Aluminum Coupler: Steel (chrome-plated)			
	Inlet	1/2" Hi coupler (400PM)		
Working pressure (kg/cm ²)	Outlet	1/2" Hi coupler (20SM)		
Maximum pressure (kg/cm ²)	15			
Packing material/ operating temperature	20			
	Rubber material	Nitril symbol	Operating temperature	Remarks
	Nitrile butadiene rubber	SC	-20°C ~ +80°C	Standard material
Type of connected	Inlet	Rubber hose piping connected with 400SH		
	Outlet	1/2" and 3/8" rubber hose piping		



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COUPLERS, PLUG, SOCKET

PLUG

PF (for male thread connection)



	Lp	C	Dimensions (mm)	T	Weight (g)	Applications
For oxygen	43.5	24	Hex.19	M16 x 1.5	35	For oxygen torch
For acetylene	44.5	25.5	Hex.19	M16 x 1.5 left	32	For gas torch

PH (for hose connection)



	Lp	C	Dimensions (mm)	T	Weight (g)	Applications
For oxygen	58	24	28 11 6.7	9.5 4.5	17	For 1/4", 3/16" hose
For acetylene	59.5	25.5	30 14 7.5	11 6	22	For 5/16", 3/8" hose

SM (for centralized piping)



	Ls	Dimensions (mm)	T	Weight (g)	Applications
For oxygen	48.5	19.5 Hex.18	PT 1/4"	58	PT 1/4"
For acetylene	52.5	22 Hex.21	PT 3/8"	85	PT 3/8"

SOCKET

SF (for tank connection)



	Ls	Dimensions (mm)	T	Weight (g)	Applications
For oxygen	52.5	19.5	M16 x 1.5	74	For oxygen gauge
For acetylene	58	22	M16 x 1.5 left	97	For gas gauge

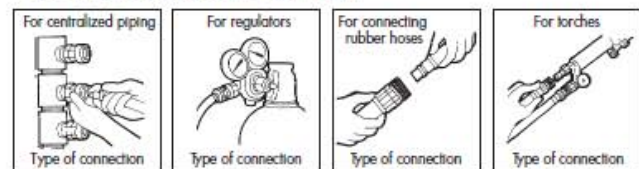
SH (for hose connection)



	Lp	Dimensions (mm)	T	Weight (g)	Applications
For oxygen	64.5	19.5 30 6.7	9.5 4.5	50	For 1/4", 3/16" hose
For acetylene	68.5	22 30 7.5	11 6	73	For 5/16", 3/8" hose

How To Use

• Use proper Mini Coupler in accordance with application.



Plastic HI- Coupler (PN)



Application	Weight (g)	LP	HA	HB
For ø5xø8 hose	16	47.5	21	Hex.19
For ø6.5xø10 hose	18	47.5	21	Hex.19
For ø8xø12 hose	20	48	24	Hex.22

Plastic HI- Coupler (SN)



Application	Weight (g)	LS	HA	HB
For ø5xø8 hose	32	65.5	28	Hex.19
For ø6.5xø10 hose	35	65.5	28	Hex.19
For ø8xø12 hose	38	66	28	Hex.22

Hi- Coupler



Application	Weight (g)
PT 1/4"	225
PT 3/8"	229
PT 1/2"	235
PT 3/4"	411
PT 1"	424

How To Use



1. Connection is completed in one touch by inserting the plug into the socket. (however, at this point, the valve is not open.)



2. When the lever is turned down, the valve opens and fluid flows. (The lowered lever becomes a stopper for the sleeve and prevents separation.)



3. When the lever is raised, the air on the plug side is purged, eliminating unpleasant shock and noise when the coupler is disconnected. (In this condition, the socket valve is closed)



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