

IBG

SERIES

IBG SERIES means IMPULSE BASE. This series is organized by each pressure level and size.

Therefore it is easy to select the suitable hose with various conditions.

This series will be perfect for general purpose hose for the Construction and Industrial machineries.

IBG SERIES is based on the impulse pressure through the hydraulic line.

Impulse pressure is 1.5times by working pressure.

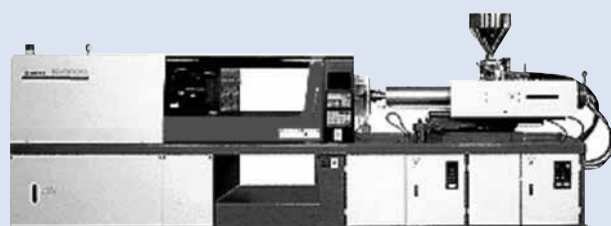
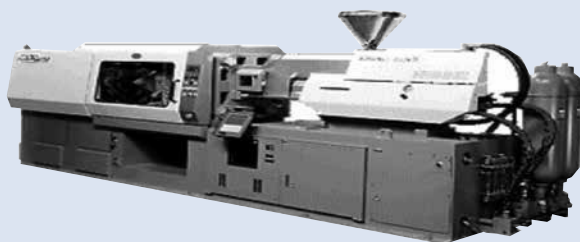
IBG SERIES can be trusted to use the hydraulic line.

The structure of the hose reinforcement is the tensile-steel wire according to the various pressure condition.

The structure type is wire braiding or wire spiral.

IBG SERIES principally aims at the durability of the hose,

It is easy to select the hose under various conditions.



IBG SERIES

IBG35/IBG70

HOSE STRUCTURE

INNER COVER: OIL RESISTANT SYNTHETIC RUBBER
 REINFORCEMENT: STEEL WIRE
 OUTER COVER: OIL&OZONE RESISTANT SYNTHETIC RUBBER

RECOMMENDED FLUIDS

MINERAL SYNTHETIC OIL

OPERATING TEMPERATURE

-40°C~+100°C(-40°F~+212°F)

HOSE STRUCTURE&REINFORCEMENT

1W/B



2W/B



IBG 35

SIZE	REINFORCEMENT	INNER DIAMETER mm (inch)	OUTER DIAMETER mm	MAX WORKING PRESSURE MPa (bar)	MIN. BURST PRESSURE MPa (bar)	MIN. BEND RADIUS mm	WEIGHT g/m
32	1W/B	31.8(1¼)	41.1	3.5(35)	14(140)	210	945
38	1W/B	38.1(1½)	47.4	3.5(35)	14(140)	240	1,160
50	1W/B	50.8(2)	61.0	3.5(35)	14(140)	310	1,700

IBG 70

SIZE	REINFORCEMENT	INNER DIAMETER mm	OUTER DIAMETER mm	MAX WORKING PRESSURE MPa (bar)	MIN. BURST PRESSURE MPa (bar)	MIN. BEND RADIUS mm	WEIGHT g/m
32	2W/B	31.8(1¼)	43.2	7(70)	28(280)	220	1,485
38	2W/B	38.1(1½)	50.1	7(70)	28(280)	260	1,850
50	2W/B	50.8(2)	63.3	7(70)	28(280)	320	2,580

IBG SERIES

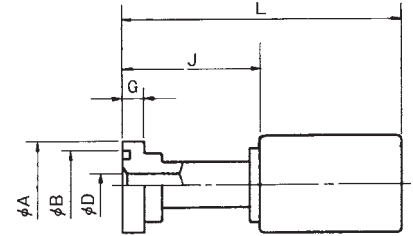
IBG35/IBG70

SIZE	A	B	D	G	J			L	WT
32	50.8	44.51	26.0	8.0	68			110	670
38	60.3	53.84	31.8	8.0	70			119	820
50	71.4	63.37	42.0	9.5	80			134	1,450

SIZE	A	B	D	F	G	J		L	WT
32	50.8	44.51	27.0	71	8.0	91		134	790
38	60.3	53.84	32.5	92	8.0	117		166	1,240
50	71.4	63.37	43.5	125	9.5	151		205	3,250

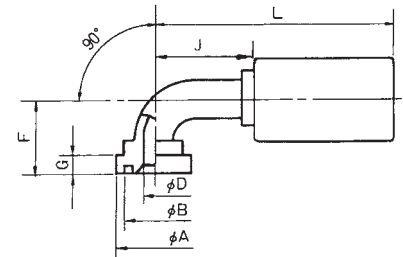
SIZE	A	B	D	F	G	J		L	WT
32	50.8	44.51	27.0	32	8.0	90		133	660
38	60.3	53.84	32.5	43	8.0	108		157	1,000
50	71.4	63.37	43.5	55	9.5	156		210	1,950

PART NO.3F



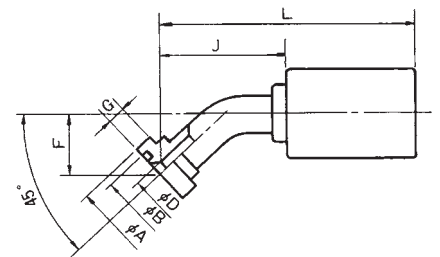
SAE standard pressure type flange (3000PSI)
(straight type)

PART NO.903F



SAE standard pressure type flange (3000PSI)
(90° bend fitting)

PART NO.453F



SAE standard pressure type flange (3000PSI)
(45° bend fitting)

IBG SERIES

IBG140

HOSE STRUCTURE

INNER COVER: OIL RESISTANT SYNTHETIC RUBBER
 REINFORCEMENT: STEEL WIRE
 OUTER COVER: OIL&OZONE RESISTANT SYNTHETIC RUBBER

RECOMMENDED FLUIDS

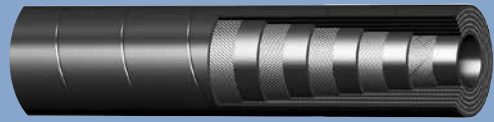
MINERAL SYNTHETIC OIL

OPERATING TEMPERATURE

-40°C~+100°C(-40°F~+212°F)

HOSE STRUCTURE&REINFORCEMENT

4W/S

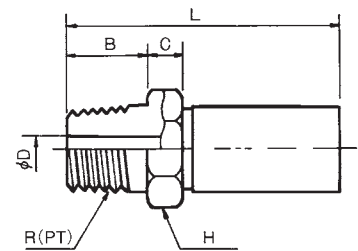


IBG 140

SIZE	REINFORCEMENT	INNER DIAMETER mm (inch)	OUTER DIAMETER mm	MAX WORKING PRESSURE MPa (bar)	MIN.BURST PRESSURE MPa (bar)	MIN.BEND RADIUS mm	WEIGHT g/m
32	4W/S	31.8(1¼)	44.5	14 (140)	56 (560)	230	2,470
38	4W/S	38.1 (1½)	53.6	14 (140)	56 (560)	270	3,245
50	4W/S	50.8(2)	66.7	14 (140)	56 (560)	350	4,530

SIZE	B	C	D	H	R(PT)	L	WT
32	25	13	27.0	46	1 ¼	108	720
38	25	14	31.8	50	1 ½	119	1,150
50	30	19	42.0	65	2	143	2,100

PART NO. 1

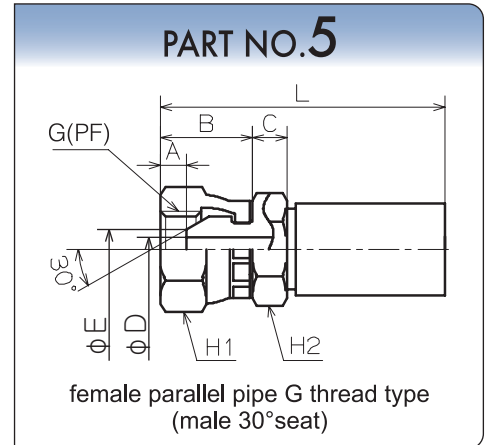


male tapered pipe R thread type

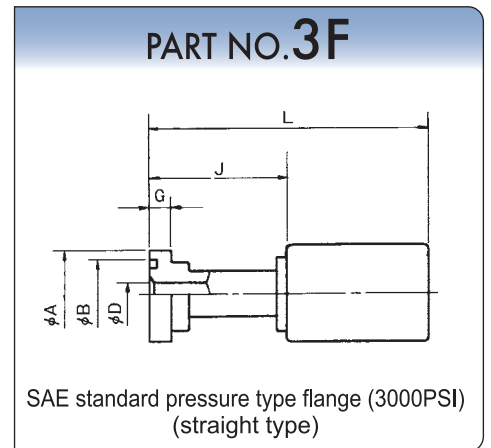
IBG SERIES

IBG140

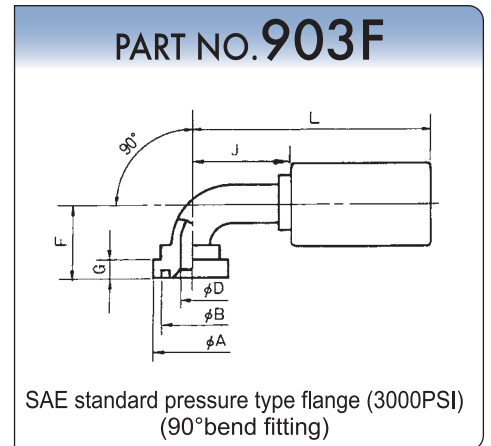
SIZE	A	B	C	D	E	H1	H2	G(PF)	L	WT
32	12.5	30.5	13	27.0	32.0	50	46	1 1/4	114	780
38	12.5	33.5	14	31.8	38.0	55	50	1 1/2	128	1,250
50	15.0	37.0	19	42.0	49.0	70	65	2	150	2,200



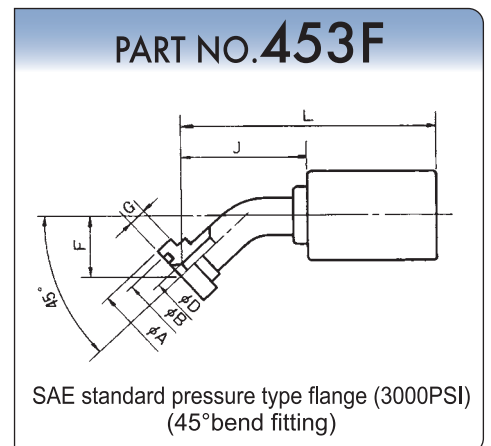
SIZE	A	B	D	G	J	L	WT
32	50.8	44.51	26.0	8.0	85	153	900
38	60.3	53.84	31.8	8.0	87	165	1,500
50	71.4	63.37	42.0	9.5	101	193	2,600



SIZE	A	B	D	F	G	J	L	WT
32	50.8	44.51	27.0	71	8.0	91	159	1,000
38	60.3	53.84	32.5	112	8.0	115	193	1,800
50	71.4	63.37	43.5	127	9.5	140	232	3,900



SIZE	A	B	D	F	G	J	L	WT
32	50.8	44.51	27.0	32	8.0	91	159	700
38	60.3	53.84	32.5	52	8.0	140	218	1,500
50	71.4	63.37	43.5	58	9.5	148	240	2,800



IBG SERIES

IBG210

HOSE STRUCTURE

INNER COVER: OIL RESISTANT SYNTHETIC RUBBER
 REINFORCEMENT: STEEL WIRE
 OUTER COVER: OIL&OZONE RESISTANT SYNTHETIC RUBBER

RECOMMENDED FLUIDS

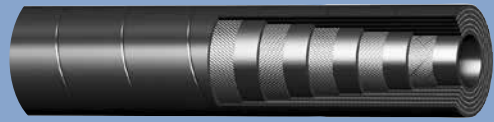
MINERAL SYNTHETIC OIL

OPERATING TEMPERATURE

-40°C~+100°C(-40°F~+212°F)

HOSE STRUCTURE&REINFORCEMENT

4W/S

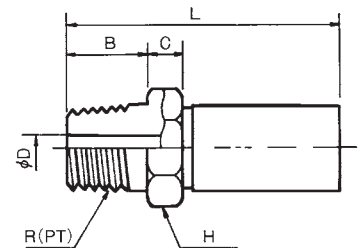


IBG 210

SIZE	REINFORCEMENT	INNER DIAMETER mm (inch)	OUTER DIAMETER mm	MAX WORKING PRESSURE MPa (bar)	MIN.BURST PRESSURE MPa (bar)	MIN.BEND RADIUS mm	WEIGHT g/m
32	4W/S	31.8(1¼)	44.5	21 (210)	84 (840)	230	2,485
38	4W/S	38.1 (1½)	53.6	21 (210)	84 (840)	310	3,265
50	4W/S	50.8(2)	66.7	21 (210)	84 (840)	430	4,560

SIZE	B	C	D	H	R(PT)	L	WT
32	25	13	27.0	46	1 ¼	108	720
38	25	14	31.8	50	1 ½	119	1,150
50	30	19	42.0	65	2	143	2,100

PART NO. 1

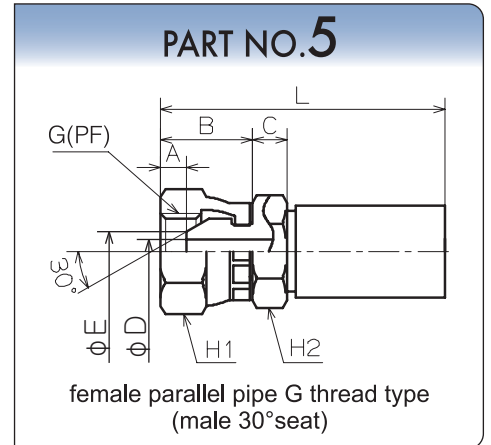


male tapered pipe R thread type

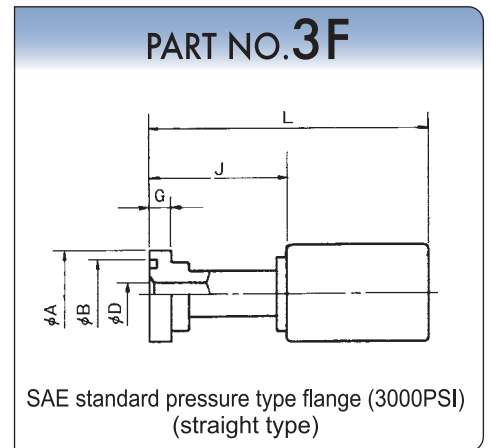
IBG SERIES

IBG210

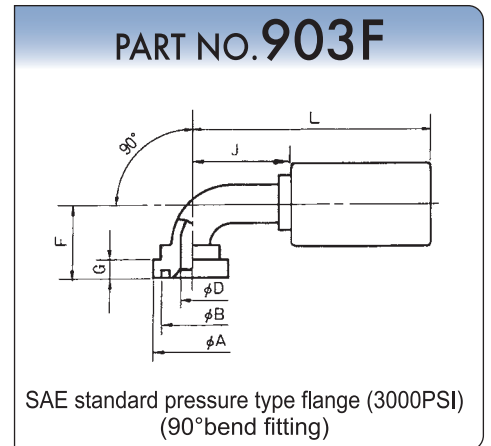
SIZE	A	B	C	D	E	H1	H2	G(PF)	L	WT
32	12.5	30.5	13	27.0	32.0	50	46	1 1/4	114	780
38	12.5	33.5	14	31.8	38.0	55	50	1 1/2	128	1,250
50	15.0	37.0	19	42.0	49.0	70	65	2	150	2,200



SIZE	A	B	D	G	J	L	WT
32	50.8	44.51	26.0	8.0	85	153	900
38	60.3	53.84	31.8	8.0	87	165	1,500
50	71.4	63.37	42.0	9.5	101	193	2,600



SIZE	A	B	D	F	G	J	L	WT
32	50.8	44.51	27.0	71	8.0	91	159	1,000
38	60.3	53.84	32.5	112	8.0	115	193	1,800
50	71.4	63.37	43.5	127	9.5	140	232	3,900



SIZE	A	B	D	F	G	J	L	WT
32	50.8	44.51	27.0	32	8.0	91	159	700
38	60.3	53.84	32.5	52	8.0	140	218	1,500
50	71.4	63.37	43.5	58	9.5	148	240	2,800

