BRASS SUPER-RAPID FITTINGS FOR LUBRICATION APPLICATIONS

SERIES HP6000

News

Tube external diameters: 4, 6 mm ; Fittings threads: metric M5, M6x0,75, M6, M8x1, M10x1, M10, M12x1, M14x1.
ISO7 (BSPT): R1/8, R1/4. ISO-228 (BSPP): G1/8, G1/4



Series HP6000 is designed with a special collet that provides a long service life for lubrication and greasing systems for industrial and transportation applications.
Thanks to its easy connection and disconnection capability, robust and compact design as well as the materials used in its construction, these quick-connect fittings are ideal for high pressures up to 150bar.
The range is available with different threads (metric, ISO7 and ISO-228) and is suitable for use with rigid and semi-rigid tubes to meet different application needs.

Tubing used

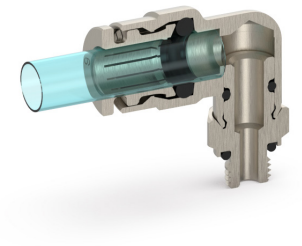
- Polyamide tube PA 12 HL - PA 12 PHL
- High pressure hose with smooth grooved metal end

Series HP6000 are used in centralized lubrication systems:

- Manufacturing equipment
- Construction machinery
- Industrial automation
- Transportation
- Wind power generation
- Maintenance, repair and overhaul

General Data

Temperature	- 30°C ÷ 80°C (see the technical data of tubing used)
Working pressure	0 ÷ 150 bar with oil and grease 0,9 ÷ 60 bar with air (see the technical data of tubing used) 3 ÷ 150 bar for VNR version (for upper pressure range contact our engineers)
Diameters	Ø 4 - 6 mm
Threads	M5, M6x0,75, M6, M8x1, M10x1, M10, M12x1, M14x1. ISO7 (BSPT): R1/8, R1/4. ISO-228 (BSPP): G1/8, G1/4
Fluid	Oil and grease for lubrification, compressed air
Tube to connect	Oil and grease: PA 12 HL - PA 12 PHL Rigid metal pipe with smooth grooved metal end (tolerance of PA tubing in compliance to ISO14743) Compressed air: Polyammide (PA) 6 - 11 - 12, Polyurethane (PU), Polyethylene (PE), Polyester hytrel
Materials	- standard models: body and collet in nickel-plated brass, O-Ring in NBR, thread seals in NBR - models with VNR: body and collet in nickel-plated brass, spring and ball in stainless steel, O-Ring in NBR



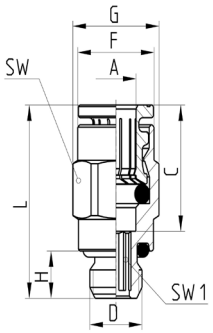
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BRASS SUPER-RAPID FITTINGS FOR LUBRICATION APPLICATIONS
SERIES HP6000 - DIMENSIONS

Male connector Mod. HP6512

Thread Metric parallel and BSPP ISO-228



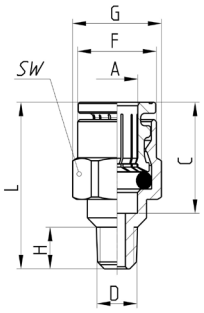


Mod.	A	D	C	F	G	H	L	SW	SW1	Weight [g]
HP6512 4-M5	4	M5x0,8	14	7,8	8,8	4	20	8	2	4
HP6512 4-M6	4	M6	14	8,8	9,9	4,5	20,5	9	2,5	6
HP6512 4-M8x1	4	M8x1	14	8,8	11,5	6	19	10	2,5	8
HP6512 4-M10x1	4	M10x1	14	8,8	13,5	6	19	12	2,5	10
HP6512 4-M12x1	4	M12x1	14	8,8	15,4	7	20	14	2,5	14
HP6512 4-1/8	4	G1/8	14	8,8	13,5	6	19	12	2,5	10
HP6512 4-1/4	4	G1/4	14	8,8	16,4	7	20,5	15	2,5	14
HP6512 6-M5	6	M5x0,8	16	11,7	13,2	4	22	12	2	8
HP6512 6-M6	6	M6	16	11,7	13,2	7	25	12	2,5	8
HP6512 6-M8x1	6	M8x1	16	11,7	13,2	6	24,5	12	4	8
HP6512 6-M10x1	6	M10x1	16	11,7	13,5	6	21	12	4	10
HP6512 6-M12x1	6	M12x1	16	11,7	15,4	7	22	14	4	13
HP6512 6-1/8	6	G1/8	16	11,7	13,5	6	21	12	4	10
HP6512 6-1/4	6	G1/4	16	11,7	16,4	7	22	15	4	13

Male connector Mod. HP6510

Thread Metric tapered and BSPT ISO-7





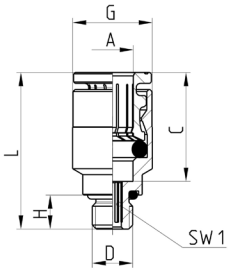
Mod.	A	D	C	F	G	H	L	SW	Weight [g]
HP6510 4-M6x0,75	4	M6x0,75	14	8,8	10,9	6	21	10	6
HP6510 4-M6	4	M6	14	8,8	10,9	6	21	10	6
HP6510 4-M8x1	4	M8x1	14	8,8	10,9	6	18	10	8
HP6510 4-M10x1	4	M10x1	14	8,8	13,2	6	18	12	10
HP6510 4-1/8	4	R1/8	14	8,8	13,2	7,5	18,5	12	10
HP6510 6-M6x0,75	6	M6x0,75	16	11,7	13,2	6	24	12	8
HP6510 6-M6	6	M6	16	11,7	13,2	6	24	12	8
HP6510 6-M8x1	6	M8x1	16	11,7	13,2	6	23,5	12	8
HP6510 6-M10x1	6	M10x1	16	11,7	13,2	6	21,5	12	10
HP6510 6-1/8	6	R1/8	16	11,7	13,2	7,5	22	12	10

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Male connector Mod. HPR6512

Thread metric parallel



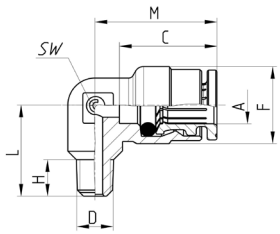


Mod.	A	D	C	G	H	L	SW1	Weight [g]
HPR6512 4-M5	4	M5x0,8	14	8,8	4	20	2	4
HPR6512 4-M6	4	M6	14	8,8	4,5	20,5	2,5	6
HPR6512 4-M6x0,75	4	M6x0,75	14	8,8	4,5	20,5	2,5	6
HPR6512 6-M5	6	M5x0,8	16	11,7	4	22	2	8
HPR6512 6-M6	6	M6	16	11,7	4,5	22,5	2,5	8
HPR6512 6-M6x0,75	6	M6x0,75	16	11,7	4,5	22,5	2,5	8

Fixed male elbow Mod. HP6500

Thread metric tapered and BSPT ISO-7





Mod.	A	D	C	F	H	L	M	SW	Weight [g]
HP6500 4-M6x0,75	4	M6x0,75	14	9	6	13,5	17,5	8	6
HP6500 4-M6	4	M6	14	9	6	13,5	17,5	8	6
HP6500 4-M8x1	4	M8x1	14	9	6	13,5	17,5	8	8
HP6500 4-M10x1	4	M10x1	14	9	6	13,5	17,5	8	10
HP6500 4-M10	4	M10	14	9	7,5	15	17,5	8	10
HP6500 4-M12x1	4	M12x1	14	10	7	15	19	10	15
HP6500 4-1/8	4	R1/8	14	9	7,5	15	17,5	8	10
HP6500 4-1/4	4	R1/4	14	10	11,5	19,5	19	10	15
HP6500 6-M6x0,75	6	M6x0,75	16	12,7	6	15	20	9	8
HP6500 6-M6	6	M6	16	12,7	6	15	20	9	8
HP6500 6-M8x1	6	M8x1	16	12,7	6,5	14	20	9	10
HP6500 6-M10x1	6	M10x1	16	12,7	6	14	20	9	11
HP6500 6-M10	6	M10	16	12,7	7	15,5	20	9	11
HP6500 6-M12x1	6	M12x1	16	12,7	7	14,5	20	9	11
HP6500 6-1/8	6	R1/8	16	12,7	7,5	15,5	20	9	11
HP6500 6-1/4	6	R1/4	16	12,7	12	19,5	20	9	11

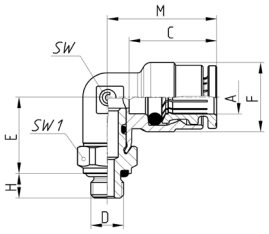
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BRASS SUPER-RAPID FITTINGS FOR LUBRICATION APPLICATIONS
SERIES HP6000 - DIMENSIONS

Swivel male elbow Mod. HP6522

Thread metric parallel and BSPP ISO-228



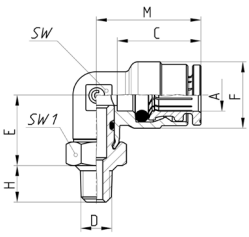


Mod.	A	D	C	E	F	H	M	SW	SW1	Weight [g]
HP6522 4-M5	4	M5x0,8	14	13	9	4	17,5	8	8	12
HP6522 4-M6	4	M6	14	13	9	4,5	17,5	8	9	14
HP6522 4-M6x0,75	4	M6x0,75	14	13	9	4,5	17,5	8	9	14
HP6522 4-M8x1	4	M8x1	14	14,5	9	6	17,5	8	10	15
HP6522 4-M10x1	4	M10x1	14	14,5	9	6	17,5	8	12	23
HP6522 4-1/8	4	G1/8	14	14,5	9	6	17,5	8	12	15
HP6522 4-1/4	4	G1/4	14	15,5	9	7	17,5	8	15	25
HP6522 6-M5	6	M5x0,8	16	13,5	12,7	4	20	9	10	14
HP6522 6-M6	6	M6	16	14	12,7	4,5	20	9	10	16
HP6522 6-M6x0,75	6	M6x0,75	16	14	12,7	4,5	20	9	10	16
HP6522 6-M8x1	6	M8x1	16	15	12,7	6	20	9	10	19
HP6522 6-M10x1	6	M10x1	16	15	12,7	6	20	9	12	25
HP6522 6-1/8	6	G1/8	16	15	12,7	6	20	9	12	19
HP6522 6-1/4	6	G1/4	16	15,9	12,7	7	20	9	15	29

Swivel male elbow Mod. HP6520

Thread metric tapered and BSPT ISO-7





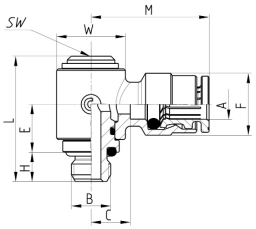
Mod.	A	D	C	E	F	H	M	SW	SW1	Weight [g]
HP6520 4-M6	4	M6	14	13	9	6	17,5	8	10	10
HP6520 4-M8x1	4	M8x1	14	14	9	6	17,5	8	10	12
HP6520 4-M10x1	4	M10x1	14	14	9	6	17,5	8	12	15
HP6520 4-M12x1	4	M12x1	14	14	9	6	17,5	8	14	20
HP6520 4-1/8	4	R1/8	14	13	9	7,5	17,5	8	12	15
HP6520 4-1/4	4	R1/4	14	13	9	11	17,5	8	14	25
HP6520 6-M6	6	M6	16	13,5	12,7	6	20	9	10	14
HP6520 6-M8x1	6	M8x1	16	14,5	12,7	6	20	9	10	17
HP6520 6-M10x1	6	M10x1	16	14,5	12,7	6	20	9	12	21
HP6520 6-M12x1	6	M12x1	16	14,5	12,7	6	20	9	14	23
HP6520 6-1/8	6	R1/8	16	13,5	12,7	7,5	20	9	12	21
HP6520 6-1/4	6	R1/4	16	13,5	12,7	11	20	9	14	28

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Swivel single banjo Mod. HP6622

Thread metric parallel and BSPP ISO-228

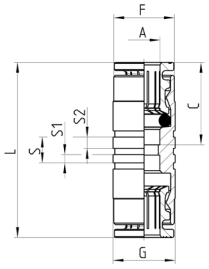




Mod.	A	B	C	E	F	H	L	M	SW	W	Weight [g]
HP6622 6-M6	6,17	M6	8	11,5	12,7	4,5	25,8	24	5	13,9	27
HP6622 6-M8x1	6,17	M8x1	8	9,75	12,7	6	25,7	24	5	13,9	29
HP6622 6-1/8	6,17	G1/8	8	9,75	12,7	6	25,7	24	5	13,9	32

Union connector Mod. HP6580



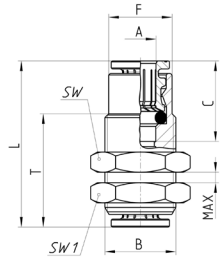


Mod.	A	C	F	G	L	S	S1	S2	Weight [g]
HP6580 4	4	14	8,4	9	29	5	1,6	2,2	14
HP6580 6	6	16	11,7	12	34	5	1,6	2,2	20

Bulkhead connector Mod. HP6590

Thread metric parallel





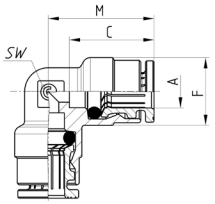
Mod.	A	B	C	F	L	MAX	SW	SW1	T	Weight [g]
HP6590 6	6	M14x1	16	12,5	33	2,12	17	17	22,5	34

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SERIES HP6000 - DIMENSIONS

Elbow connector Mod. HP6550

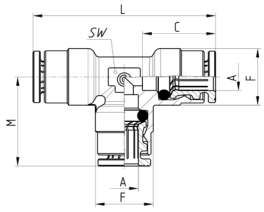




Mod.	A	C	F	M	SW	Weight [g]
HP6550 4	4	14	9	17,5	8	15
HP6550 6	6	16	12,7	20	9	21

Tee connector Mod. HP6540

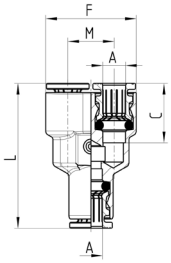




Mod.	A	C	F	L	M	SW	Weight [g]
HP6540 4	4	14	9	35	17,5	8	20
HP6540 6	6	16	12,7	40	20	9	30

Y-shaped connector Mod. HP6560





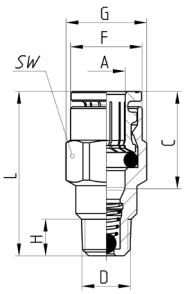
Mod.	A	C	F	L	M	Weight [g]
HP6560 6	6	16	24,4	39	12,5	34

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Male connector Mod. HP6510 VNR

Thread metric tapered and BSPT ISO-7



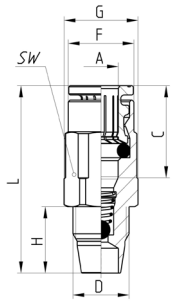


Mod.	A	D	C	F	G	H	L	SW	Weight [g]
HP6510 4-M8x1-VNR	4	M8x1	14	8,8	10,9	6	27,5	10	13,5
HP6510 4-M10x1-VNR	4	M10x1	14	8,8	11	6	27,5	10	17,5
HP6510 4-1/8-VNR	4	R1/8	14	8,8	11	7,5	27,5	10	17,5
HP6510 6-M8x1-VNR	6	M8x1	16	11,7	13,2	6	27	12	14,5
HP6510 6-M10x1-VNR	6	M10x1	16	11,7	13,2	6	27	12	16,5
HP6510 6-1/8-VNR	6	R1/8	16	11,7	13,2	7,5	27	12	16,5

Male connector Mod. HP6511 VNR

Thread metric parallel





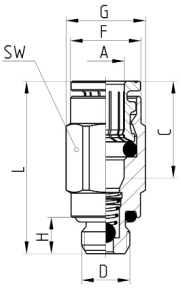
Mod.	A	D	C	F	G	H	L	SW	Weight [g]
HP6511 4-M10x1-VNR	4	M10x1	14	8,8	13,2	11,5	33	12	22
HP6511 6-M10x1-VNR	6	M10x1	16	11,7	13,2	11,5	32,5	12	19

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Male connector Mod. HP6512 VNR

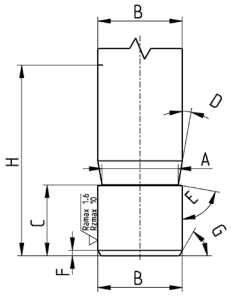
Thread metric parallel and BSPP ISO-228

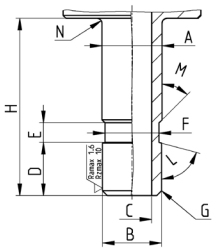




Mod.	A	D	C	F	G	H	L	SW	Weight [g]
HP6512 4-M8x1-VNR	4	M8x1	14	8,8	11,5	6	27,5	10	16
HP6512 4-M10x1-VNR	4	M10x1	14	8,8	11,5	6	27,5	10	18
HP6512 4-1/8-VNR	4	G1/8	14	8,8	11,5	6	27,5	10	18
HP6512 6-M8x1-VNR	6	M8x1	16	11,7	13,2	6	28,5	12	17
HP6512 6-M10x1-VNR	6	M10x1	16	11,7	13,5	6	27	12	21,5
HP6512 6-1/8-VNR	6	G1/8	16	11,7	13,5	6	27	12	21,5

Groove for metal pipe





Made by Camozzi grooving tool 8TRT (or machining)

Code	A	B	C	D	E	F	G	H
_	3,4	4	5,3	10°	80°	0,5	45°	16,5
__	5,2	6	6,25	10°	80°	0,5	45°	18

Made by machining

Code	A	B	C	D	E	F	G	H	L	M	N
_	4,1	4	2	5,3	2	3,5	0,5x45°	16,5	75°	45°	0,5
__	6,1	6	4	5,4	2	5,5	0,5x45°	18	75°	45°	0,5

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Tube cutter tool Mod. PNZ



Mod.		Package [pcs]
PNZ-12	able to cut tubes with Ø up to 12 mm	1
PNZ-25	able to cut tubes with Ø up to 25 mm	1

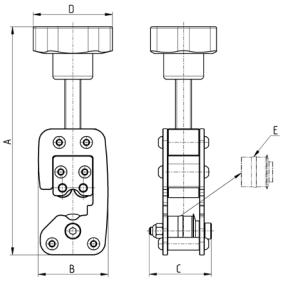
Tube cutter tool Mod. PNZP



Mod.	
PNZP-12	able to cut tubes with Ø up to 12 mm

Grooving tool for metallic tubes





Mod.	Tube Ø	A [max]	B	C	D	Weight [g]	E [spare wheel]
8TRT 4	4	138	43,5	39	50	450	RTRT 4
8TRT 6	6	140	43,5	39	50	450	RTRT 6
8TRT 8	8	143	43,5	39	50	450	RTRT 8
8TRT 10	10	145	44	39	50	450	RTRT 10
8TRT 12	12	147	44,5	39	50	450	RTRT 12
8TRT 14	14	149	45	39	50	450	RTRT 14
8TRT 16	16	151	45	39	50	450	RTRT 16

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