

Threaded Reductions

PG / PG

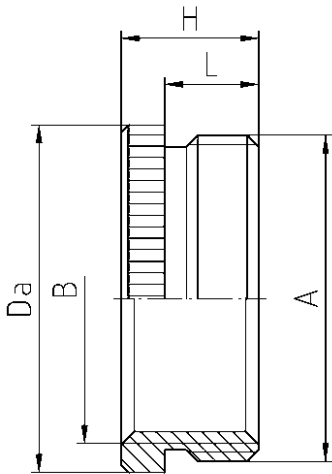

Configuration

Reduction Brass CuZn39Pb3, Nickel-Plated
 External Thread PG as per DIN 40430
 Internal Thread PG as per DIN 40430

Properties

Reduction of threaded or clearance holes to smaller thread size.
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

Catalog Number	A	B	L mm	H mm	Da mm	SW mm
907	PG 9	PG 7	6	8.5	17	—
1107	PG 11	PG 7	6	8.5	20	—
1109	PG 11	PG 9	6	8.5	20	—
1307	PG 13.5	PG 7	6.5	9	22	—
1309	PG 13.5	PG 9	6.5	9	22	—
1311	PG 13.5	PG 11	6.5	9	22	—
1607	PG 16	PG 7	6.5	9.5	24	—
1609	PG 16	PG 9	6.5	9.5	24	—
1611	PG 16	PG 11	6.5	9.5	24	—
1613	PG 16	PG 13.5	6.5	9.5	24	—
2111	PG 21	PG 11	7	10	30	—
2113	PG 21	PG 13.5	7	10	30	—
2116	PG 21	PG 16	7	10	30	—
2916	PG 29	PG 16	8	11.5	39	—
2921	PG 29	PG 21	8	11.5	39	—
3621	PG 36	PG 21	9	12.5	50	—
3629	PG 36	PG 29	9	12.5	50	—
4229	PG 42	PG 29	10	14	57	—
4236	PG 42	PG 36	10	14	57	—
4836	PG 48	PG 36	10	14	64	—
4842	PG 48	PG 42	10	14	64	—



Threaded Reductions

Metric / Metric


Configuration

Reduction Brass CuZn39Pb3, Nickel-Plated
 External Thread Metric as per EN 60423
 Internal Thread Metric as per EN 60423

Properties

Reduction of threaded or clearance holes to smaller thread sizes.
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

	Catalog Number	A	B	L mm	H mm	Da mm	SW mm
	M16M12	M16 x 1.5	M12 x 1.5	6	8.5	20	—
	M20M12	M20 x 1.5	M12 x 1.5	6.5	9	24	—
	M20M16	M20 x 1.5	M16 x 1.5	6.5	9	24	—
	M25M16	M25 x 1.5	M16 x 1.5	7	10	30	—
	M25M20	M25 x 1.5	M20 x 1.5	7	10	30	—
	M32M20	M32 x 1.5	M20 x 1.5	8	11.5	39	—
	M32M25	M32 x 1.5	M25 x 1.5	8	11.5	39	—
	M40M25	M40 x 1.5	M25 x 1.5	9	12.5	50	—
	M40M32	M40 x 1.5	M32 x 1.5	9	12.5	50	—
	M50M32	M50 x 1.5	M32 x 1.5	10	14	57	—
	M50M40	M50 x 1.5	M40 x 1.5	10	14	57	—
	M63M40	M63 x 1.5	M40 x 1.5	10	14	70	—
	M63M50	M63 x 1.5	M50 x 1.5	10	14	70	—

Threaded Reductions

PG / PG



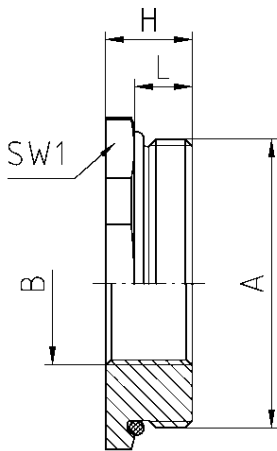
Configuration

Reduction Brass CuZn39Pb3, Nickel-Plated
 O-Ring Nitrile Rubber NBR
 External Thread PG as per DIN 40430
 Internal Thread PG as per DIN 40430

Properties

Reduction of threaded or clearance holes to smaller thread sizes.
 Temperature Range -30°C / +100°C
 Protection Grade max. IP68
 Dependent on the combination with other components.

Catalog Number	A	B	L mm	H mm	Da mm	SW mm
60907/OM	PG 9	PG 7	6	8.5	—	18
61107/OM	PG 11	PG 7	6	8.5	—	20
61109/OM	PG 11	PG 9	6	8.5	—	20
61307/OM	PG 13.5	PG 7	6.5	9.5	—	24
61309/OM	PG 13.5	PG 9	6.5	9.5	—	24
61311/OM	PG 13.5	PG 11	6.5	9.5	—	24
61607/OM	PG 16	PG 7	6.5	9.5	—	24
61609/OM	PG 16	PG 9	6.5	9.5	—	24
61611/OM	PG 16	PG 11	6.5	9.5	—	24
61613/OM	PG 16	PG 13.5	6.5	9.5	—	24
62111/OM	PG 21	PG 11	7	10	—	32
62113/OM	PG 21	PG 13.5	7	10	—	32
62116/OM	PG 21	PG 16	7	10	—	32
62916/OM	PG 29	PG 16	8	11.5	—	41
62921/OM	PG 29	PG 21	8	11.5	—	41
63621/OM	PG 36	PG 21	9	12.5	—	50
63629/OM	PG 36	PG 29	9	12.5	—	50
64236/OM	PG 42	PG 36	10	14	—	60



Threaded Reductions

Metric / Metric



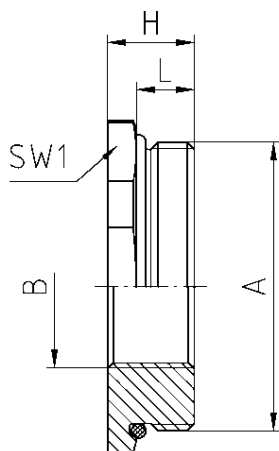
Configuration

Reduction Brass CuZn39Pb3, Nickel-Plated
 O-Ring Nitrile Rubber NBR
 External Thread Metric as per EN 60423
 Internal Thread Metric as per EN 60423

Properties

Reduction of threaded or clearance holes to smaller thread sizes.
 Temperature Range -30°C / +100°C
 Protection Grade max. IP68
 Dependent on the combination with other components.

Catalog Number	A	B	L mm	H mm	Da mm	SW mm
M16M12/6/OM	M16 x 1.5	M12 x 1.5	5	8	—	17
M20M12/6/OM	M20 x 1.5	M12 x 1.5	6	9	—	22
M20M16/6/OM	M20 x 1.5	M16 x 1.5	6	9	—	22
M25M16/6/OM	M25 x 1.5	M16 x 1.5	7	10	—	27
M25M20/6/OM	M25 x 1.5	M20 x 1.5	7	10	—	27
M32M16/6/OM	M32 x 1.5	M16 x 1.5	8	11	—	34
M32M20/6/OM	M32 x 1.5	M20 x 1.5	8	11	—	34
M32M25/6/OM	M32 x 1.5	M25 x 1.5	8	11	—	34
M40M20/6/OM	M40 x 1.5	M20 x 1.5	8	12	—	43
M40M25/6/OM	M40 x 1.5	M25 x 1.5	8	12	—	43
M40M32/6/OM	M40 x 1.5	M32 x 1.5	8	12	—	43
M50M25/6/OM	M50 x 1.5	M25 x 1.5	9	13	—	55
M50M32/6/OM	M50 x 1.5	M32 x 1.5	9	13	—	55
M50M40/6/OM	M50 x 1.5	M40 x 1.5	9	13	—	55
M63M32/6/OM	M63 x 1.5	M32 x 1.5	10	14	—	65
M63M40/6/OM	M63 x 1.5	M40 x 1.5	10	14	—	65
M63M50/6/OM	M63 x 1.5	M50 x 1.5	10	14	—	65



Threaded Adapters

Metric / PG



Configuration

Adapter
O-Ring
External Thread
Internal Thread

Brass CuZn39Pb3, Nickel-Plated
Nitrile Rubber NBR
Metric as per EN 60423
PG as per DIN 40430

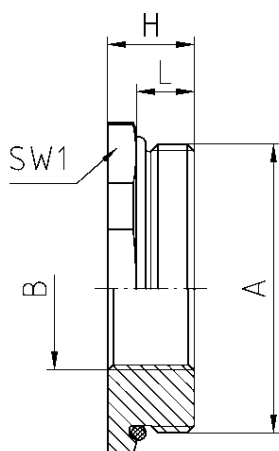
Properties

Adapter for reduction of
Metric to PG-threaded holes.

Temperature Range
Protection Grade

-30°C / +100°C
max. IP68
Dependent on the combination
with other components.

Catalog Number	A	B	L mm	H mm	Da mm	SW mm
M16PG7/OM	M16 x 1.5	PG 7	5	8	—	17
M20PG9/OM	M20 x 1.5	PG 9	6	9	—	22
M25PG9/OM	M25 x 1.5	PG 9	7	10	—	27
M25PG11/OM	M25 x 1.5	PG 11	7	10	—	27
M25PG13/OM	M25 x 1.5	PG 13.5	7	10	—	27
M32PG13/OM	M32 x 1.5	PG 13.5	8	11	—	34
M32PG16/OM	M32 x 1.5	PG 16	8	11	—	34
M32PG21/OM	M32 x 1.5	PG 21	8	11	—	34
M40PG16/OM	M40 x 1.5	PG 16	8	12	—	43
M40PG21/OM	M40 x 1.5	PG 21	8	12	—	43
M40PG29/OM	M40 x 1.5	PG 29	8	12	—	43
M50PG21/OM	M50 x 1.5	PG 21	9	13	—	55
M50PG29/OM	M50 x 1.5	PG 29	9	13	—	55
M50PG36/OM	M50 x 1.5	PG 36	9	13	—	55
M63PG29/OM	M63 x 1.5	PG 29	10	14	—	65
M63PG36/OM	M63 x 1.5	PG 36	10	14	—	65
M63PG42/OM	M63 x 1.5	PG 42	10	14	—	65



Threaded Enlargers

PG / PG


Configuration

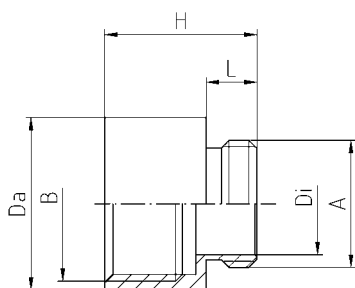
Enlarger Brass CuZn39Pb3, nickel-plated
 External Thread PG as per DIN 40430
 Internal Thread PG as per DIN 40430

Properties

Enlarger of threaded or clearance holes to larger thread sizes.

Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

Catalog Number	A	B	L mm	H mm	Da mm	Di mm
709	PG 7	PG 9	5	15	17	10
911	PG 9	PG 11	6	16.5	20	12
913	PG 9	PG 13.5	6	17.5	22	12
1113	PG 11	PG 13.5	6	17.5	22	15
1116	PG 11	PG 16	6.5	19	24	15
1121	PG 11	PG 21	6.5	21	30	15
1316	PG 13.5	PG 16	6.5	19	24	17
1321	PG 13.5	PG 21	6.5	21	30	17
1621	PG 16	PG 21	6.5	21	30	18.5
1629	PG 16	PG 29	6.5	22.5	39	18.5
2129	PG 21	PG 29	7	23	39	24
2936	PG 29	PG 36	8	27.5	50	32
3642	PG 36	PG 42	9	31	57	42
4248	PG 42	PG 48	10	33	64	48



Threaded Adapters

Metric / PG



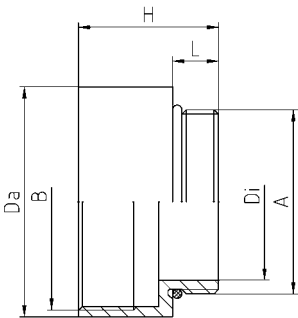
Configuration

Adapter Brass CuZn39Pb3, nickel-plated
 O-Ring Nitrile rubber NBR
 External Thread Metric as per EN 60423
 Internal Thread PG as per DIN 40430

Properties

Adapter for enlarging
 Metric to PG-threaded holes.
 Temperature Range -30°C / +100°C
 Protection Grade max. IP68
 Dependent on the combination
 with other components.

Catalog Number	A	B	L mm	H mm	Da mm	Di mm
M12PG9/OM	M12 x 1.5	PG 9	5	16	17	8
M16PG11/OM	M16 x 1.5	PG 11	5	16.5	20	12
M20PG16/OM	M20 x 1.5	PG 16	6	19.5	24	15
M25PG21/OM	M25 x 1.5	PG 21	7	21.5	30	21
M32PG29/OM	M32 x 1.5	PG 29	8	25	39	26
M40PG36/OM	M40 x 1.5	PG 36	8	28.5	50	34
M50PG42/OM	M50 x 1.5	PG 42	9	32	57	44
M50PG48/OM	M50 x 1.5	PG 48	9	33	64	44



Threaded Enlargers

Metric / Metric



Configuration

Enlarger Brass CuZn39Pb3, nickel-plated
 External Thread Metric as per EN 60423
 Internal Thread Metric as per EN 60423

Properties

Enlarger of threaded or clearance holes to larger thread sizes.
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

	Catalog Number	A	B	L mm	H mm	Di mm	SW mm
	M12M16/FR	M12 x 1.5	M16 x 1.5	5	16	8	18
	M16M20/FR	M16 x 1.5	M20 x 1.5	5	16.5	12	22
	M20M25/FR	M20 x 1.5	M25 x 1.5	6	18.5	15	27
	M25M32/FR	M25 x 1.5	M32 x 1.5	7	20.5	21	34
	M32M40/FR	M32 x 1.5	M40 x 1.5	8	23.5	26	42
	M40M50/FR	M40 x 1.5	M50 x 1.5	8	30	34	52
	M50M63/FR	M50 x 1.5	M63 x 1.5	9	32.5	44	65

Threaded Adapters

Metric / PG



Configuration

Adapter
 External Thread Brass CuZn39Pb3, nickel-plated
 Internal Thread Metric as per EN 60423
 PG as per DIN 40430

Properties

Adapter from Metric to PG-threaded holes
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

	Catalog Number	A	B	L mm	H mm	Di mm	SW mm
	06307M12MU	M12 x 1.5	PG 7	6	16	8	14
	06309M12MU	M12 x 1.5	PG 9	6	16.5	8.2	17
	06311M16MU	M16 x 1.5	PG 11	6	17	12	20
	06311M20MU	M20 x 1.5	PG 11	6.5	17.5	15	22
	06313M20MU	M20 x 1.5	PG 13.5	6.5	19	16	22
	06316M25MU	M25 x 1.5	PG 16	7	20.5	18.5	27
	06321M25MU	M25 x 1.5	PG 21	7	22	21	30
	06329M32MU	M32 x 1.5	PG 29	8	24.5	27.5	40
	06329M40MU	M40 x 1.5	PG 29	8	24.5	32	43
	06336M50MU	M50 x 1.5	PG 36	9	28.5	42	55
	06342M50MU	M50 x 1.5	PG 42	9	31	44	57
06348M63MU	M63 x 1.5	PG 48	10	33	52.5	65	

Threaded Adapters

PG / Metric



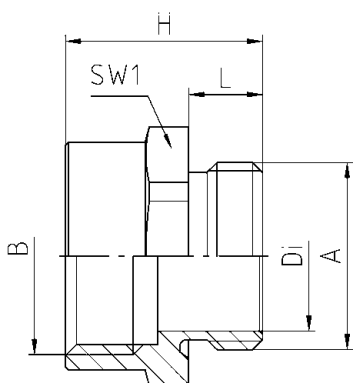
Configuration

Adapter Brass CuZn39Pb3, nickel-plated
 External Thread PG as per DIN 40430
 Internal Thread Metric as per EN 60423

Properties

Adapter from PG to Metric threaded holes
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

Catalog Number	A	B	L mm	H mm	Di mm	SW mm
PG7M12	PG 7	M12 x 1.5	5	15	9	14
PG9M16	PG 9	M16 x 1.5	6	16	12.2	19
PG11M16	PG 11	M16 x 1.5	6	16	13	22
PG13M20	PG 13.5	M20 x 1.5	6.5	17.5	16	24
PG16M20	PG 16	M20 x 1.5	6.5	17.5	18.5	27
PG16M25	PG 16	M25 x 1.5	6.5	18.5	18.5	30
PG21M25	PG 21	M25 x 1.5	7	19	23	32
PG21M32	PG 21	M32 x 1.5	7	20	23	36
PG29M40	PG 29	M40 x 1.5	8	21	32	43
PG36M50	PG 36	M50 x 1.5	9	23	42	55
PG42M63	PG 42	M63 x 1.5	10	25	48	65



Threaded Adapters

PG / Metric



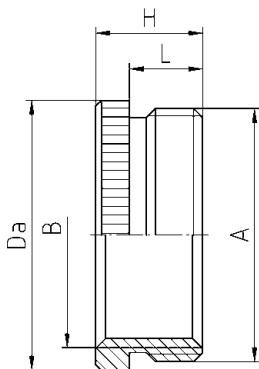
Configuration

Adapter
 External Thread PG as per DIN 40430
 Internal Thread Metric as per EN 60423

Properties

Adapter from PG to Metric threaded holes
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

Catalog Number	A	B	L mm	H mm	Da mm	SW mm
1620	PG 16	M20 x 1.5	6.5	9.5	24	—
2125	PG 21	M25 x 1.5	7	10	30	—
2925	PG 29	M25 x 1.5	8	11.5	39	—



Threaded Adapters

PG / NPT



Configuration

Adapter Brass CuZn39Pb3, Nickel-Plated
 External Thread PG as per DIN 40430
 Internal Thread NPT

Properties

Adapter from PG to NPT-threaded holes
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination with other components.

	Catalog Number	A	B	L mm	H mm	Da mm	Di mm
	11038	PG 11	3/8 NPT	6	20	20	13.5
	11012	PG 11	1/2 NPT	6.5	24.5	24	13
	13012	PG 13.5	1/2 NPT	6.5	24.5	24	17
	16012	PG 16	1/2 NPT	6.5	24.5	24	17
	21034	PG 21	3/4 NPT	7	25	30	22
	29100	PG 29	1 NPT	8	26	39	29
	36114	PG 36	1 1/4 NPT	9	29	50	36
	42112	PG 42	1 1/2 NPT	10	57	57	42.7

Threaded Adapters

Metric / NPT



Configuration

Adapter
 External Thread Brass CuZn39Pb3, Nickel-Plated
 Internal Thread Metric as per EN 60423
 NPT

Properties

Adapter from Metric to
 NPT-threaded holes
 Temperature Range up to +200°C
 Protection Grade Dependent on the combination
 with other components.

	Catalog Number	A	B	L mm	H mm	Da mm	Di mm
	M16NPT1/2	M16 x 1.5	1/2 NPT	6.5	25	24	11
	M20NPT1/2	M20 x 1.5	1/2 NPT	6.5	25	24	15
	M25NPT3/4	M25 x 1.5	3/4 NPT	7	28	30	18
	M32NPT3/4	M32 x 1.5	3/4 NPT	8	26	37	23
	M32NPT1	M32 x 1.5	1 NPT	8	33	38	27
	M40NPT1 1/4	M40 x 1.5	1 1/4 NPT	8	34	46	34