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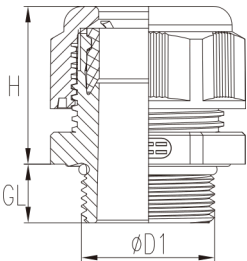


Metric Type Breathable Glands

Metric Type Waterproof, Dustproof and Breathable Glands

RoHS
Compliant

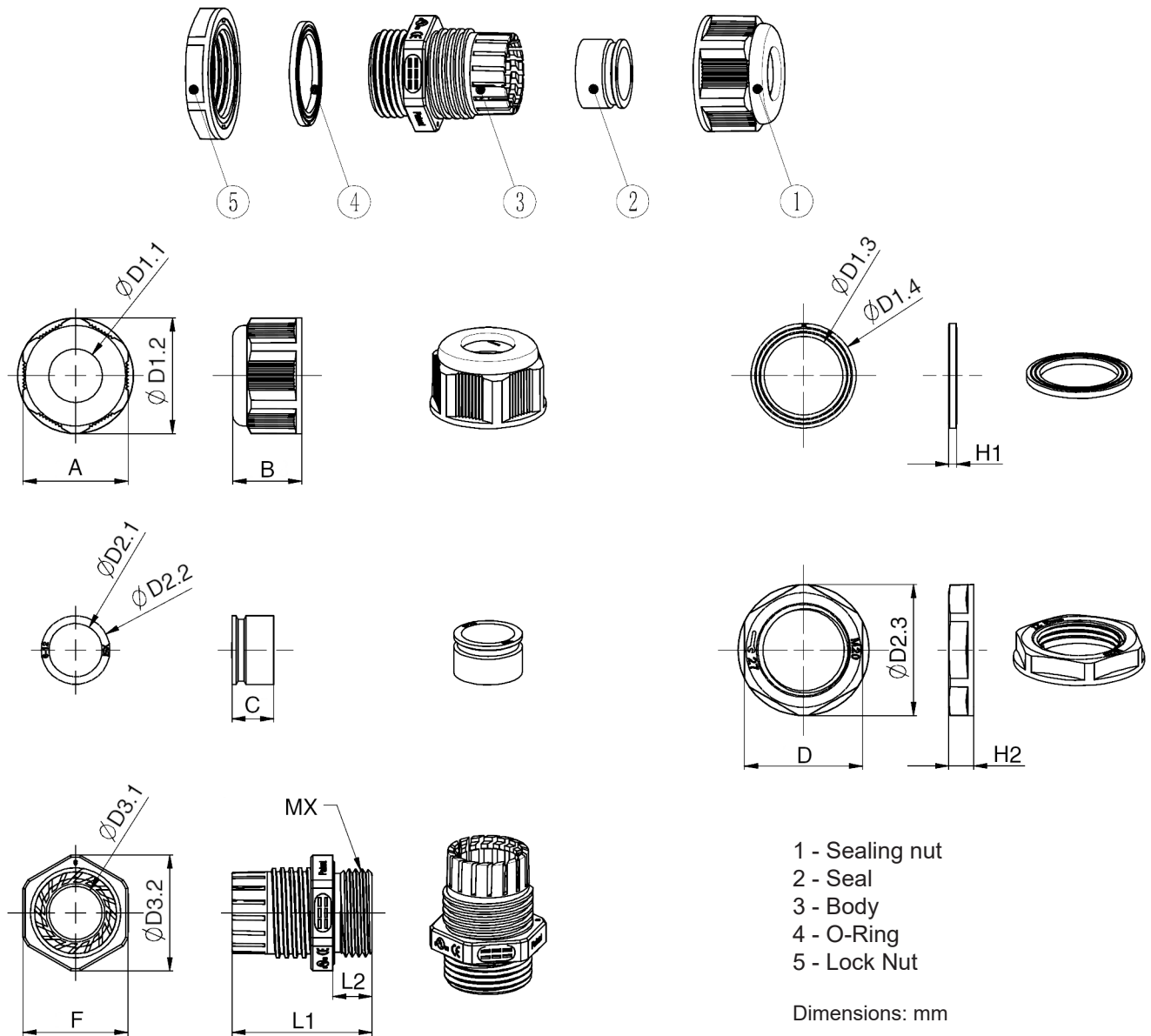
Material: PA(NYLON), UL94V-2
Seal: EPDM
O-Ring: EPDM
Working temperature: -40 °C to 100 °C
Color: Grey, Black



MPN Black colour	MPN Grey colour	Thread Ø D1	Ø mm	H mm	GL mm	Wrench mm	Air Volume ml/min@70mbar
MP010321	MP010327	M12 x 1.5	4-8	22	8	19	450
MP010322	MP010328	M16 x 1.5	3-7	25	8	22	200/300
MP010323	MP010329	M16 x 1.5	5-10	25	8	22	450
MP010324	MP010330	M20 x 1.5	6-12	27	9	24	450/900
MP010325	MP010331	M20 x 1.5	10-14	32	10	27	450/900
MP010326	MP010332	M25 x 1.5	13-18	31	11	33	450/900



Metric Type Waterproof, Dustproof and Breathable Glands



MPN Black colour	MPN Grey colour	D1.1	D1.2	D1.3	D1.4	D2.1	D2.2	D2.3	D3.1	D3.2	A	B	C	D	F	H1	H2	L1	L2	MX
MP010321	MP010327	8.1	21.1	10.2	15.0	8.2	11.2	18.8	8.0	21.0	19.0	12.9	8.5	17.0	19.0	1.8	5.0	27.0	8.0	M12X1.5-6g
MP010323	MP010329	10.5	24.5	14.0	22.0	10.2	14.0	24.5	10.3	24.5	22.0	15.0	10.5	22.0	22.0	1.8	5.0	29.8	8.0	M16X1.5-6g
MP010324	MP010330	12.3	26.5	18.0	24.0	12.2	15.7	30.0	12.2	26.5	24.0	15.8	9.5	27.0	24.0	1.8	5.7	32.0	9.0	M20X1.5-6g
MP010325	MP010331	14.2	30.0	18.0	24.0	14.3	18.0	30.0	14.3	30.0	27.0	16.5	10.0	27.0	27.0	1.8	5.7	33.3	9.0	M20X1.5-6g
MP010326	MP010332	18.5	36.7	23.0	33.0	18.3	23.0	35.0	18.3	36.6	33.0	19.2	12.0	32.0	33.0	1.8	6.0	36.5	11.0	M25X1.5-6g

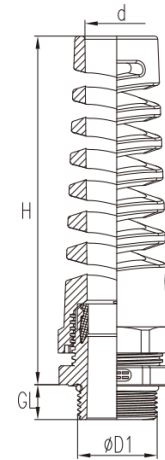
Metric Type Breathable Glands

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Metric Type Waterproof, Dustproof and Breathable Glands with Strain Relief

**RoHS
Compliant**

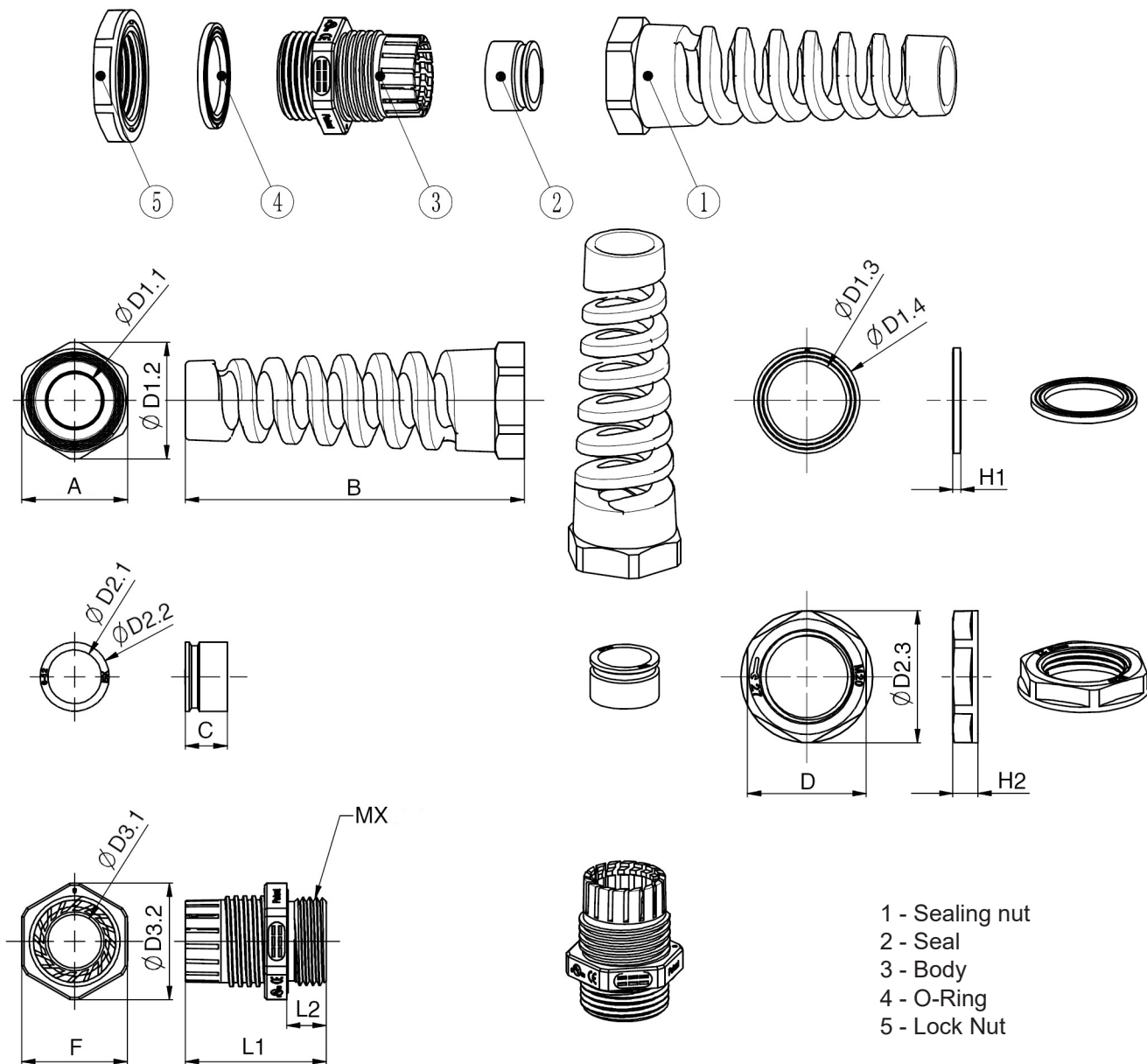
Material: PA(NYLON), UL94V-2
Seal: EPDM
O-Ring: EPDM
Working temperature: -40 °C to 100 °C
Color: Grey, Black



MPN Black colour	MPN Grey colour	Thread Ø D1	Ø mm	H mm	GL mm	Wrench mm	Air Volume ml/min@70mbar
MP010333	MP010339	M12 x 1.5	4-8	63	8	19	450
MP010334	MP010340	M16 x 1.5	3-7	78	8	22	200/300
MP010335	MP010341	M16 x 1.5	5-10	78	8	22	450
MP010336	MP010342	M20 x 1.5	6-12	90	9	24	450/900
MP010337	MP010343	M20 x 1.5	10-14	100	9	27	450/900
MP010338	MP010344	M25 x 1.5	13-18	114	11	33	450/900



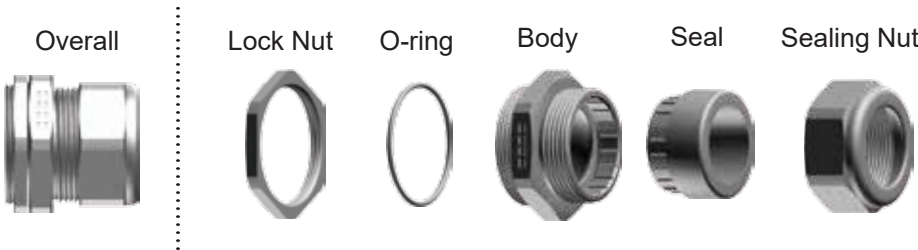
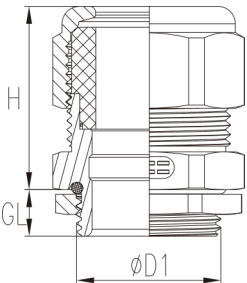
Metric Type Waterproof, Dustproof and Breathable Glands with Strain Relief



MPN Black colour	MPN Grey colour	D1.1	D1.2	D1.3	D1.4	D2.1	D2.2	D2.3	D3.1	D3.2	A	B	C	D	F	H1	H2	L1	L2	MX
MP010333	MP010339	8.3	21.1	10.2	15.0	8.2	11.2	18.8	8.0	21.0	19.0	52.8	8.5	17.0	19.0	1.8	5.0	27.0	8.0	M12X1.5-6g
MP010335	MP010341	10.2	24.5	14.0	22.0	10.2	14.0	24.5	10.3	24.5	22.0	68.0	10.5	22.0	22.0	1.8	5.0	29.8	8.0	M16X1.5-6g
MP010336	MP010342	12.3	26.5	18.0	24.0	12.2	15.7	30.0	12.2	26.5	24.0	77.0	9.5	27.0	24.0	1.8	5.7	32.0	9.0	M20X1.5-6g
MP010337	MP010343	14.2	30.0	18.0	24.0	14.3	18.0	30.0	14.3	30.0	27.0	87.0	10.0	27.0	27.0	1.8	5.7	33.3	9.0	M20X1.5-6g
MP010338	MP010344	18.3	36.5	23.0	33.0	18.3	23.0	35.0	18.3	36.6	33.0	100.0	12.0	32.0	33.0	1.8	6.0	36.5	11.0	M25X1.5-6g

Metric Type Waterproof, Dustproof and Breathable Metal Glands

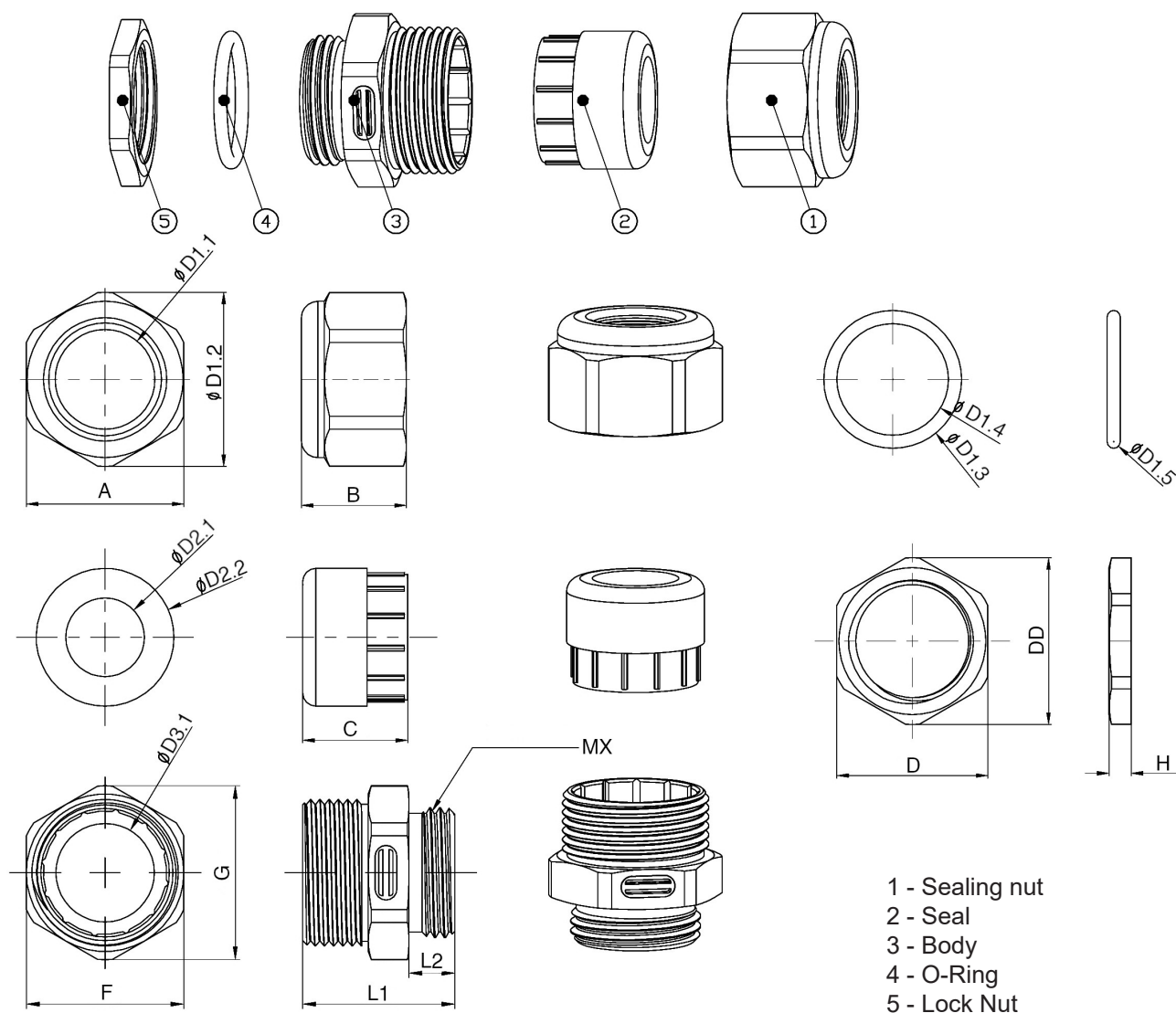
Material: Nickel-plated brass, Aluminum, Stainless steel
Seal: EPDM
O-Ring: EPDM
Working temperature: -40 °C to 100 °C



MPN	Thread Ø D1	Ø mm	H mm	GL mm	Wrench mm	Air Volume ml/min@70mbar
MP010345	M12 x 1.5	4-6.5	21	6.5	17	450
MP010346	M16 x 1.5	7-10	24	7	20	450
MP010347	M20 x 1.5	8-12	28.5	7	24	450/900
MP010348	M20 x 1.5	11-14	29	7	24	300/400
MP010349	M25 x 1.5	14-18	30	8	30	450/900
MP010350	M32 x 1.5	17-21	32	8	36	1500/3000



Metric Type Waterproof, Dustproof and Breathable Metal Glands



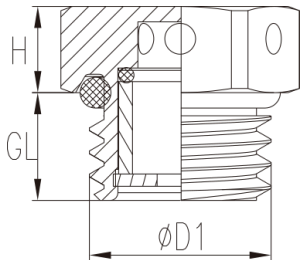
Dimensions: mm

MPN Metal	D1.1	D1.2	D1.3	D1.4	D1.5	D2.1	D2.2	D3.1	A	B	C	D	DD	F	G	H	L1	L2	MX
MP010345	7.3	18.8	13.0	9.0	2.0	6.7	13.9	8.0	17.0	12.2	12.0	15.0	16.5	20.0	22.0	2.6	21.5	6.5	M12X1.5-6g
MP010346	10.3	22.2	17.0	13.0	2.0	10.2	17.1	11.5	20.0	14.0	14.0	19.0	21.0	20.0	22.0	2.8	22.5	7.0	M16X1.5-6g
MP010347	15.2	26.5	20.6	17.0	1.8	12.0	21.0	15.0	24.0	16.0	16.0	23.0	25.5	24.0	26.5	3.0	23.2	7.0	M20X1.5-6g
MP010349	18.3	33.0	26.0	22.0	2.0	18.2	26.5	19.5	30.0	17.5	17.5	29.0	32.0	30.0	33.0	3.5	24.5	8.0	M25X1.5-6g

Metal Ventilation Plugs

RoHS
Compliant

Material: Nickel-plated brass, Aluminum, Stainless steel
O-Ring: EPDM
Working temperature: -40 °C to 100 °C



All O rings are pre-assembled and standard.

MPN Metal	Thread Ø D1	H mm	GL mm	Wrench mm	Air Volume ml/min@70mbar
MP010351	M5 x 0.8	3.5	4	8	≥100
MP010352	M12 x 1.5	5.6	7	14	≥2500
MP010353	M20 x 1.5	7	10	22	≥3000



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Dimensions in millimeters

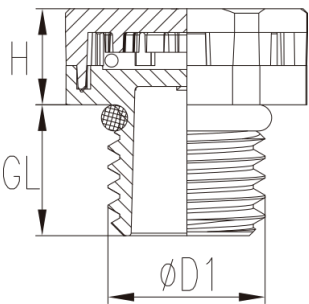
Exploded view diagram of the M12X1.5-6g assembly. The components and their dimensions are as follows:

- Component 1:** Hexagonal nut with dimensions $\varnothing 24.5$ and 22.0.
- Component 2:** Washer with dimensions $\varnothing 20.6$ and $\varnothing 17.0$.
- Component 3:** Washer with dimensions $\varnothing 20.6$ and $\varnothing 17.0$.
- Component 4:** Washer with dimensions $\varnothing 20.6$ and $\varnothing 17.0$.
- Component 5:** Washer with dimensions $\varnothing 20.6$ and $\varnothing 17.0$.
- Component 6:** Washer with dimensions $\varnothing 20.6$ and $\varnothing 17.0$.

Nylon Ventilation Plugs

RoHS
Compliant

Material: PA (NYLON), UL94V-2
Seal: EPDM
O-Ring: EPDM
Working temperature: -40 °C to 100 °C
Color: Grey, Black



All O rings are pre-assembled and standard.

MPN Nylon Black	MPN Nylon Grey	Thread Ø D1	H mm	GL mm	Wrench mm	Air Volume ml/min@70mbar
MP010354	MP010356	M12 x 1.5	7.3	10	17	≥1600
MP010355	MP010357	M24 x 1.5	8.8	12	30	≥13000



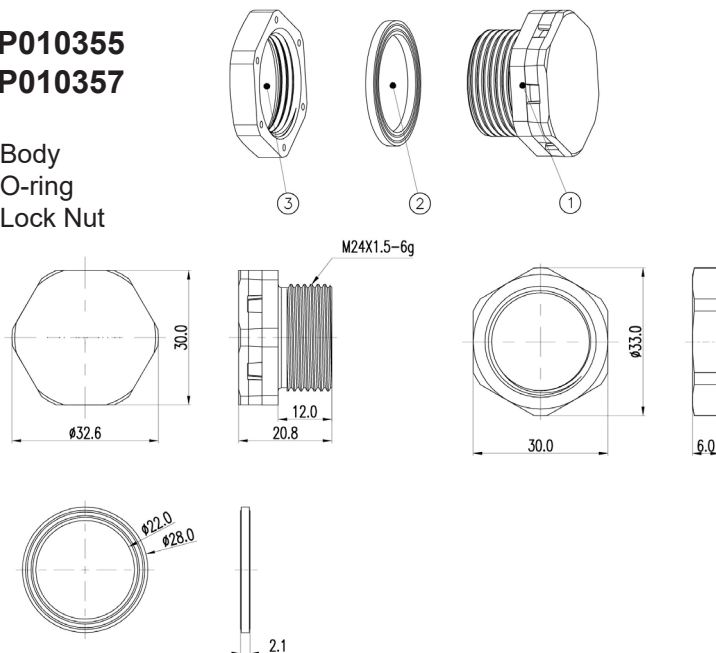
Nylon Ventilation Plugs

Drawings

Dimensions in millimeters

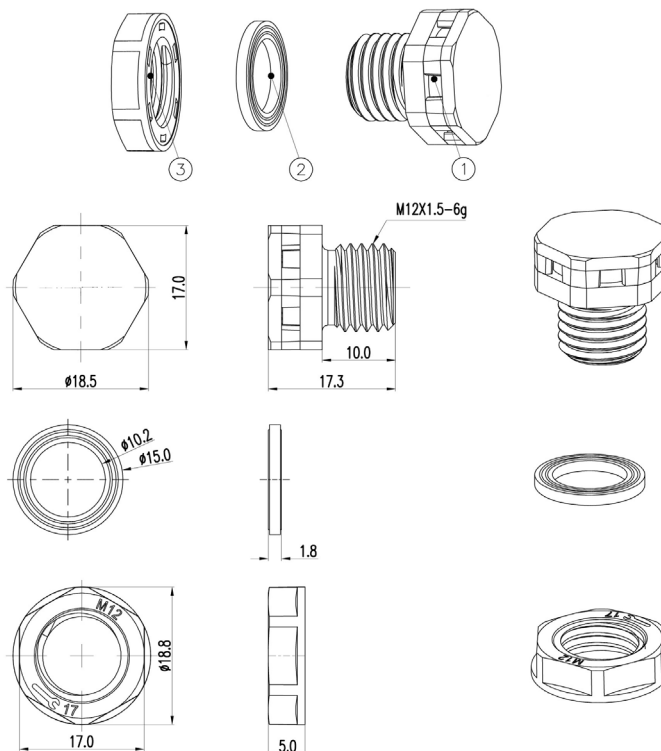
MP010355 MP010357

1. Body
2. O-ring
3. Lock Nut



MP010354 MP010356

1. Body
2. O-ring
3. Lock Nut



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