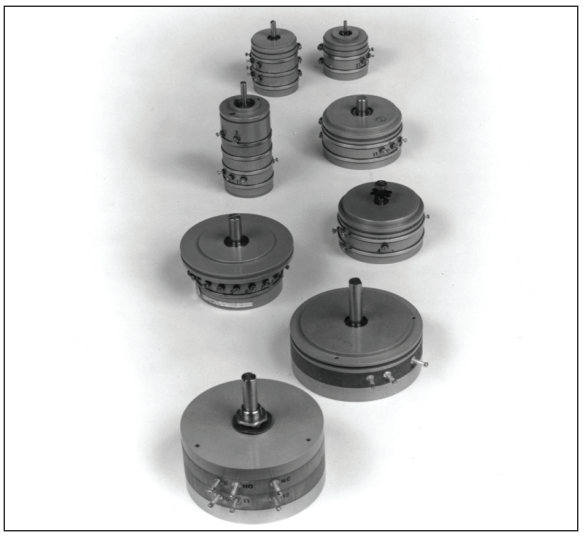
Penny & Giles

Wirewound Rotary Potentiometers

Nuclear Power Parts and Services



About P&G

Penny & Giles (P&G) was founded in 1956 out of a partnership between Professor William Penny and James Giles who identified a demand for instrumentation in the aviation industry and sought to deliver a solution.

The resulting P&G legacy product line of high-precision, high-reliability wirewound potentiometric devices for use in aircraft flight testing was acquired by Curtiss-Wright in 2002.

As of 2019, Curtiss-Wright Nuclear Canada (CWNC), located in Newmarket, Ontario, Canada became the exclusive distributor to the global nuclear market. With expert in-house testing and qualification services, CWNC supplies safety related potentiometers with commercial grade dedication. CWNC can supply these potentiometers meeting the quality assurance requirements of an N299 Quality Program or 10 CFR 50 Appendix B requirements where necessary.

About Wire Wound Potentiometers

Rotary potentiometer design includes a low mass rotor assembly which minimises rotational inertia. Low contact noise and low torque are achieved by using twin noble metal wipers and slip ring brushes. A working life of between 20- to 50-million operations can be achieved, depending on options selected. Multiple models that range from 1 to 20 kilo-Ohms, different variations of linear, rotary and rectilinear models are available.

Benefits of P&G Potentiometers

- Built to precise specifications
- High accuracy of voltage
- Operational in variable resistor mode and normal voltage divider mode

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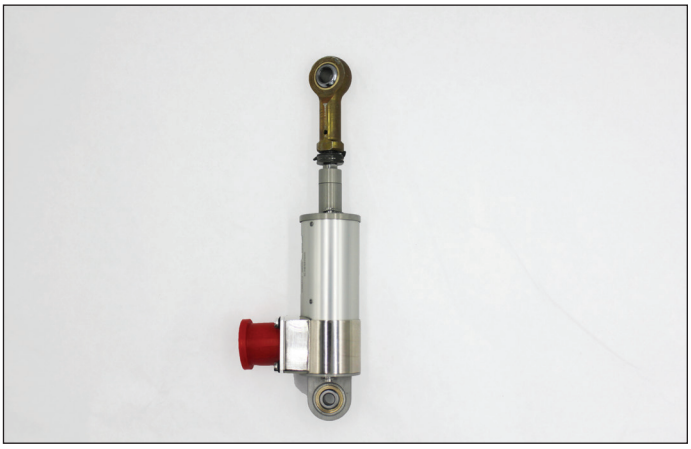
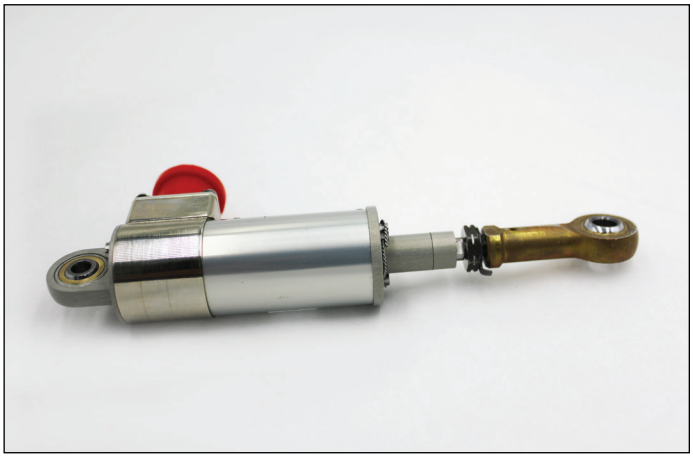
Product Line Specifications

Item	Part Number	Description
1	D12368	2 sections, 5 kOhm, Rotary, RP11/2S
2	D12266	20 kOhm, Rectilinear, 2-Inch Stroke Length, LP2B
3	D13023	2 sections, 5 kOhm, Rotary, RP11/2S
4	D13688	2 sections, 10 kOhm, Rotary, RP18/2S
5	D13835	2.5 kOhm, Rotary, RP18/1S
6	D13836	2 sections, 2.5 kOhm, Rotary, RP18/2S
7	D13837	5kOhm, Rectilinear, LP2B/200
8	D13838	2 sections, 5 kOhm, Rectilinear, LP2C/200
9	D13840	2 sections, 5 kOhm, Rectilinear, LP2C/200,
10	D14141	2 sections, 10 kOhm, Rectilinear
11	D14770	2 sections with 12 switches, 2 sections, 10 kOhm, Rotary, RP18/4S
12	D14771	2 sections with 16 switches, 2 sections, 10 kOhm, Rotary, RP18/4S
13	D14782	2 sections, 5 kOhm, Rectilinear, LP2C/200
14	D15385	4 kOhm, Rectilinear, LP2B/200
15	D15836	2 kOhm, Rectilinear, LP2B/200
16	D15835	1 kOhm, Rectilinear, LP2B/200
17	D40625	4 kOhm, Rotary, RP25/1S
18	D41902	3 kOhm, Rectilinear, LP2B/85
19	D44045	2 sections, 5 kOhm, Rectilinear, LP2C/200
20	D45149	2 sections, 10 kOhm, Rectilinear, LP2C/110





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