



Industrial Hose, Fittings & Rubber Specialists



Powell Industrial Guide

Drilling & Mining

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WE'VE BEEN HELPING AUSTRALIAN DRILLING COMPANIES WITH THEIR DRILLING FOR OVER 40 YEARS

From the supply of specialised PVC and Rubber Suction and Delivery Hoses, Bore Casings and UPVC Pipes to Drilling Fluids, Grouts and Sealants, Polymers and Additives along with various types of industry related valves and fittings. Powell Industrial have gone to great depths to ensure a complete range of the very best industrial drilling products that can be readily sourced all in the one place.

Proud stockist of a large range of high quality and state of the art Goodyear®, Manuli®, Optima®, Parker® and Kanaflex® Drilling industry specific hoses, which have proven themselves in Australian and overseas drilling operations for many years, you will not find a more extensive and innovative range of hose options from the one supplier. We also run our very own Hose Management Program (HMP) to assist with the upkeep and monitoring of all hoses that are in use powered by INFOCHIP.

We also carry a large range of Drilling Mud Industry related valves and fittings, including Camlocks, Bauer and Claw Couplings, Expansion Joints and Butterfly, Ball, Gate, Spring and Swing Check valves. We have many different types of rubber sheet and matting solutions should you have a need or requirement. We truly are a 'one stop shop' for many of the Drilling Industry operational consumables.

Call your nearest Powell Industrial Branch today to be put in touch with one of our Drilling Industry product specialists who can assist you with your requirements and help dig the dirt on the latest product solutions.



WHY IT PAYS TO BUY YOUR DRILLING HOSES, CASINGS, FITTINGS AND ACCESSORIES FROM POWELL INDUSTRIAL

Apart from the many years of experience dealing with leading Australian drilling companies, we are also represented across Australia by our twelve branches, making us the largest Australian family owned industrial hose, fittings and rubber products supplier in the country. This means buying from us can reduce your risks, reduce your costs and save you time and money.

Before you make that all important decision on which products and who you'll buy from, consider giving us a call – we know the drill on what it takes to supply your drilling business and the solutions that can make your next drilling project a financial success from the top to the bottom.

DRILLING, SECONDARY, TERTIARY RUBBER, PVC DELIVERY AND SUCTION HOSES

Whether it be for gas and oil exploration or one of the many different mining operations carried out on land and at sea we can assist you with the ideal Rubber and PVC drilling hose or hoses for your application. Also available is a range of quality secondary and tertiary support hoses for either simple or complex fluid and material transfers related to drilling operations. All these options can be explored in the following pages of this industry guide or in further depth on our website and in dedicated specifications sheets.



Optima PPI004 Air/Water

Designed for pneumatic machines tools, such as rock drills, grinding machines, rivet and chipping hammers.

REINFORCEMENT: High tensile textile cord.
INNER TUBE: Black NR/SBR blend.
COVER: Black SBR blend.
BRANDING: Blue stripe, green lettering.
TEMPERATURE: -25°C to +85°C
STANDARDS: AS2554 Type B.

ADVANTAGES:

- Good cold flexibility
- Good resistance to fatigue, bending & twisting
- Good resistance to abrasion and atmospheric conditions

Part Number	ID	Nom. OD	Max. WP	Weight	Bend Radius	Lengths
	mm	mm	psi (mPa)	kg/m	mm	metres
10-000-012-***	13.0	23.0	300 (2.07)	0.490	190	20
10-000-019-***	19.0	30.0	300 (2.07)	0.720	220	20
10-000-025-***	25.0	36.0	300 (2.07)	0.870	310	20
10-000-032-***	32.0	45.0	300 (2.07)	1.240	360	20
10-000-038-***	38.0	51.0	300 (2.07)	1.680	470	20
10-000-051-***	51.0	66.0	300 (2.07)	2.000	600	20
10-000-076-***	76.0	92.0	300 (2.07)	3.090	836	20
10-000-102-***	102.0	120.0	300 (2.07)	4.120	1122	20



Optima PPI1000 Mad Max II™

Mandrel built high tensile wire reinforced air hose. For drill rigs where a high pressure and temperature air hose is required.

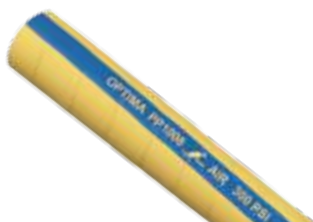
REINFORCEMENT: High tensile steel cord.
INNER TUBE: Black synthetic compound.
COVER: Yellow synthetic compound.
BRANDING: Red stripe, yellow lettering.
TEMPERATURE: -35°C to +122°C
STANDARDS: Manufactured in accordance with MSHA specifications.

ADVANTAGES:

- Heat and oil resistant
- Good abrasion resistance
- Four spiral piles of steel reinforcement

Part Number	ID	Nom. OD	Max. WP	Weight	Lengths
	mm	mm	psi (mPa)	kg/m	metres
10-042-051-***	51.0	66.0	1000 (6.89)	2.400	20
10-042-076-***	76.0	94.0	1000 (6.89)	4.680	20
10-042-102-***	102.0	122.0	1000 (6.89)	7.340	20

Whipchecks and Socks available. See Accessories & Consumables – Hose Protectors Section.



Optima PPI008
Heavy Duty Air

Designed for heavy duty pneumatic machines tools, such as rock drills, grinding machines, rivet and chipping hammers.

REINFORCEMENT: High tensile textile cord.
INNER TUBE: Synthetic black, oil mist resistant NR/SBR blend.
COVER: Yellow synthetic blend.
BRANDING: Blue stripe, yellow lettering.
TEMPERATURE: -25°C to +85°C
STANDARDS: AS2554 Type B.

- ADVANTAGES:**
- Good cold flexibility
 - Highly resistant to fatigue, bending & twisting
 - Highly visible safety yellow outer cover
 - Excellent resistance to abrasion and atmospheric conditions

Part Number	ID	Nom. OD	Max. WP	Weight	Bend Radius	Lengths
	mm	mm	psi (mPa)	kg/m	mm	metres
10-030-012-***	13.0	23.0	290 (2.00)	0.900	150	20
10-030-019-***	19.0	30.0	290 (2.00)	0.900	220	20
10-030-025-***	25.0	38.0	290 (2.00)	1.280	310	20
10-030-032-***	32.0	45.0	290 (2.00)	1.240	360	20
10-030-038-***	38.0	51.0	290 (2.00)	1.680	470	20
10-030-051-***	51.0	67.0	290 (2.00)	2.730	600	20
10-030-063-***	63.0	82.0	290 (2.00)	3.600	750	20
10-030-076-***	76.0	95.0	290 (2.00)	4.050	910	20
10-030-102-***	102.0	123.0	290 (2.00)	6.040	1230	20

Part Number (Pre-made hose assemblies)	ID	Lengths	End I	Attachment method
	mm	metres		
10-030-9025-020BPA	25	20	1" Type A Claw Coupling	BAND-IT
10-030-9051-020BPA	51	20	2" Type S Claw Coupling	BAND-IT

*Whipchecks and Socks available. See Accessories & Consumables – Hose Protectors Section.



Goodyear G820
Super Concrete

Premium quality hose for heavy duty/high pressure concrete placement applications in concrete structures, dams, tunnel faces etc. Ideal for use as a flexible connection between pumping equipment and hard piping.

REINFORCEMENT: Six Spiral-plies of high-strength fabric.
INNER TUBE: 6.4 mm Black Tufsyn® synthetic rubber.
COVER: 2.4 mm Black Tufsyn synthetic rubber.
BRANDING: Continuous yellow spiral brand.
TEMPERATURE: -32°C to +82°C

- ADVANTAGES:**
- Highly flexible
 - Heavy duty construction for longevity
 - High pressure rating

Part Number	ID	Nom. OD	Max. WP	Weight	Lengths
	mm	mm	psi (mPa)	kg/m	metres
10-820-051-***	51.0	79.8	1233 (8.50)	3.280	20
10-820-063-***	63.0	92.3	1233 (8.50)	3.910	20
10-820-076-***	76.0	104.8	1233 (8.50)	4.530	20
10-820-102-***	102.0	130.8	1233 (8.50)	5.830	20

Part Number	ID	Lengths	End I	Attachment method
	mm	metres		
10-820-9076-010GSE	76	10	Single End	Swaged
10-820-9076-010GDE	76	10	Double End	Swaged
10-820-9088-010GSE	88	10	Single End	Swaged
10-820-9088-010GDE	88	10	Double End	Swaged
10-820-9102-004GSE	102	4	Single End	Swaged
10-820-9102-010GSE	102	10	Single End	Swaged
10-820-9102-010GDE	102	10	Double End	Swaged



FRAS Mining Hose
Air/Water - P.V.C

FRAS Mining Hose made from a lightweight, highly abrasion resistant, high technology thermoplastic polymer which was developed especially for use in the mining industry. FRAS conforms to AS 2660 and AS/NZS 2554 and is suitable for the most arduous mining and industrial applications. The product is flame resistant and anti-static.

REINFORCEMENT:
INNER TUBE:
COVER: Virgin PVC.
BRANDING: –
TEMPERATURE: -10°C to +60°C

- ADVANTAGES:**
- Good flexibility
 - Factory coiled for effective display and storage
 - High pressure rating, fire resistant
 - Australian made
 - 25mm pre-fitted assemblies available if required

Part Number	ID	Nom. OD	Max. WP	Weight	Bend Radius	Lengths
	mm	mm	psi (mPa)	kg/m	mm	metres
00-070-010-***	10.0	17.0	305psi	0.20	85	20,100
00-070-012-***	12.5	22.0	305psi	0.30	100	20,100
00-070-019-***	20.0	30.0	305psi	0.51	150	20,100
00-070-025-***	25.0	34.0	305psi	0.61	180	20,33,100
00-075-025-***	25.0	34.0	500psi	0.60	180	20,33,100
00-070-032-***	32.0	44.0	305psi	0.98	220	20,100
00-070-038-***	38.0	50.0	305psi	1.04	250	20,40
00-070-051-***	50.0	63.0	305psi	1.47	320	20,40

NB: 25mm has 500psi working pressure.



Kanaflex® 180AR Abrasive
Suction & Delivery

Heavy duty abrasion resistance suction hose for vacuum trucks or handling abrasives such as crushed rock, sand, pea gravel, cement powder, dry fertiliser, iron ore and grains.

REINFORCEMENT: Rigid PVC helix.
INNER TUBE: Black SBR rubber blended with static carbon.
COVER: Corrugated.
BRANDING: –
TEMPERATURE: -40°C to +60°C

- ADVANTAGES:**
- Light weight and flexible
 - Extremely abrasion resistant
 - Static dissipating with no grounding wire

Part Number	ID	Nom. OD	Max. WP	Weight	Vacuum Rating	Bend Radius	Lengths
	mm	mm	psi (mPa)	kg/m	mm/Hg	mm	metres
10-845-038-***	38.0	46.2	40	0.550	756.9	51	30.5
10-845-051-***	51.0	59.7	35	0.740	756.9	63	30.5
10-845-063-***	63.0	74.9	35	1.310	756.9	63	30.5
10-845-076-***	76.0	88.9	30	1.640	756.9	76	30.5
10-845-102-***	102.0	117.6	30	2.630	756.9	114	30.5
10-845-127-***	125.0	146.3	30	3.680	711.2	127	12, 30.5
10-845-152-***	152.0	173.4	30	4.580	711.2	233.7	30.5
10-845-203-***	203.0	229.6	205	8.410	685.8	381	15.2

NB: Full vacuum in extreme ground high temperatures is not recommended. Refer to Kanflex 180HR.



Optima PP8005
Muff Coupling

Materials handling hose designed to be used in conjunction with split aluminium couplings. Specifically designed for the hydraulic suction or discharge of abrasive materials.

REINFORCEMENT: High tensile textile cord with wire helix.
INNER TUBE: Black NR/SBR blend.
COVER: Black NR/SBR blend.
BRANDING: Yellow stripe, black lettering.
TEMPERATURE: -25°C to +85°C

- ADVANTAGES:**
- Excellent resistance to abrasion
 - Quick and easy to install
 - Excellent resistance to ozone and atmospheric conditions

Part Number	ID	Nom. OD	Max. WP	Weight	Lengths
	mm	mm	psi (mPa)	kg/m	metres
10-800-051-***	51.0	71.0	100 (0.7)	2.920	20
10-800-063-***	63.0	81.0	100 (0.7)	3.300	20
10-800-076-***	76.0	103.0	100 (0.7)	5.440	20
10-800-102-***	102.0	128.0	100 (0.7)	7.400	20
10-800-127-***	127.0	157.0	100 (0.7)	9.950	20
10-800-152-***	152.0	182.0	100 (0.7)	12.400	20
10-800-203-***	203.0	235.0	100 (0.7)	17.030	20
10-800-254-***	254.0	287.0	100 (0.7)	22.250	10
10-800-305-***	305.0	344.0	100 (0.7)	30.900	10

Other sizes made to order.



Optima FRAS Air/Water Delivery

Designed for air, water and stone dust applications in underground mines.

REINFORCEMENT: Synthetic fabric plies.
INNER TUBE: NR / SBR Blended, anti-static.
COVER: NBR / EPDM Blended FRAS.
BRANDING:
TEMPERATURE: -20°C to +70°C
STANDARDS: AS2660

ADVANTAGES:

- Fire resistant and anti-static.
- Excellent abrasion resistance.

Part Number	ID mm	Nom. OD mm	Max. WP psi (mPa)	Weight kg/m	Lengths metres
10-080-012-***	12.0	23.0	300 (2.07)	0.400	20
10-080-019-***	19.0	29.0	300 (2.07)	0.540	20
10-080-025-***	25.0	37.0	300 (2.07)	0.860	20
10-080-032-***	32.0	46.0	300 (2.07)	1.160	20
10-080-038-***	38.0	52.0	300 (2.07)	1.380	20
10-080-051-***	50.0	66.0	300 (2.07)	1.890	20
10-080-063-***	63.0	80.0	300 (2.07)	2.360	20
10-080-076-***	76.0	92.0	300 (2.07)	3.090	20
10-080-102-***	102.0	124.0	300 (2.07)	4.320	20

FRAS Cable Trailing hose also available to order. Part Number Prefix 10-090



Optima FRAS Suction

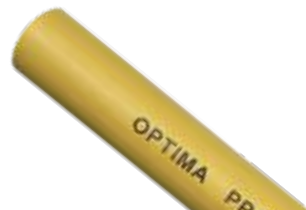
Suction and delivery hose ideally suited for the conveyance of air/water in the coal mining industry. Meets FRAS AS 2660.

REINFORCEMENT: High tensile textile cord with wire helix.
INNER TUBE: Black FRAS rubber.
COVER: Black Rubber.
BRANDING: Orange Stripe, black lettering.
TEMPERATURE: -25°C to +80°C

ADVANTAGES:

- Meets AS2660 Class C
- Designed specifically for the Coal mining industry
- Weather resistant cover
- FRAS inner tube

Part Number	ID mm	Nom. OD mm	Max. WP psi (mPa)	Weight kg/m	Bend Radius mm	Lengths metres
10-290-038-***	38.0	48.0	145 (1.00)	1.280	225	20
10-290-051-***	51.0	62.0	145 (1.00)	1.900	320	20
10-290-063-***	63.0	76.0	145 (1.00)	2.520	410	20
10-290-076-***	76.0	88.0	145 (1.00)	3.050	470	20
10-290-102-***	102.0	116.0	145 (1.00)	4.250	660	20
10-290-152-***	152.0	170.0	145 (1.00)	8.990	1200	20



Optima PPI500 Yellow Pneumatic Air

High pressure compressed air service line hose. For stationary or mobile compressors operating pneumatic tools in quarries, mining civil and road construction.



REINFORCEMENT: High tensile textile cord.
INNER TUBE: Black NR/SBR blend.
COVER: Yellow NR/SBR blend.
BRANDING: Black lettering.
TEMPERATURE: -25°C to +85°C

ADVANTAGES:

- Very flexible at low temperatures
- Highly visible safety yellow outer cover
- Good resistance to abrasion and atmospheric conditions

Part Number	ID mm	Nom. OD mm	Max. WP psi (mPa)	Weight kg/m	Bend Radius mm	Lengths metres
08-000-012-***	13.0	22.0	290 (2.00)	0.320	85	20, 100
08-000-019-***	19.0	30.0	290 (2.00)	0.710	125	20, 100
08-000-025-***	25.0	36.0	290 (2.00)	0.870	160	20, 80
Part Number (Pre-made hose assemblies)	ID mm	Lengths metres	End I	Attachment method		
08-000-9019-020AS	19.0	20	I" Type A Claw	Safety Interlocking Claw Clamp		
08-000-9025-020AS	25.0	20	I" Type A Claw	Safety Interlocking Claw Clamp		



Optima PP8020 Reverse Cycle Drilling

Designed for use with reverse cycle drill rigs, where excellent abrasion resistance and high working pressures are required.

REINFORCEMENT: High tensile wire helix and high tensile textile cord.
INNER TUBE: Black Nitrile (NBR).
COVER: Black synthetic.
BRANDING: Yellow stripe, black lettering
TEMPERATURE: -35°C to +122°C

STANDARDS: Manufactured in accordance with MSHA specifications.
ADVANTAGES:

- Excellent abrasion, oil and ozone resistant cover and inner tube

Part Number	ID mm	Nom. OD mm	Max. WP psi (mPa)	Weight kg/m	Bend Radius mm	Lengths metres
10-835-051-***	51.0	83.0	500 (3.45)	3.240	561	20
10-835-063-***	63.0	96.0	500 (3.45)	3.750	693	20
10-835-076-***	76.0	106.0	375 (2.59)	4.800	920	20
10-835-102-***	102.0	134.0	375 (2.59)	6.500	1240	20



Goodyear Plicord Blast Loading

Ideal for the delivery of Ammonia Nitrate materials into blast holes. Specifically designed for use in reeling applications that require longitudinal tensile strength.

REINFORCEMENT: 2, 4 fabric plies and twin wire helix with boot straps.
INNER TUBE: Black conductive Nitrile.
COVER: Black conductive Nitrile.
BRANDING: Red continuous spiral brand.
TEMPERATURE: -32°C to +93°C

ADVANTAGES:

- Reeling application use
- Excellent longitudinal tensile strength

Part Number	ID mm	Nom. OD mm	Max. WP psi (mPa)	Weight kg/m	Bend Radius mm	Lengths metres
10-960-051-***	51.0	69.3	300	-	-	40, 122

*Also available in 63mm.



Aluminium Muff Couplings

Full integrated sleeve with standard Table D flanges. Sleeve bore is specifically roughened to give exceptional grip on the hose. This technique avoids the need for rings, ridges or spikes in the bore of the coupling, which can depress the hose causing high wear on the inner tube and premature failing at the hose end. Can also be drilled to other tables. Maximum working pressure 100psi (0.69 Mpa)

ADVANTAGES:

- Split Muff Coupling suit PP8005 Muff Coupling Hose.
- High strength alloy - standard Aluminium (other materials available on request).

Part Number	Hose Size		Flange			Bolts		Approx Weight
	in	mm	no of holes in	bolt size mm	p.c.d mm	number	bolt size mm	2 halves, bolts kg
21-400-032	2	50	4	M16 x 70	114	8	M12 x 70	2.9
21-400-048	3	75	4	M16 x 70	146	8	M12 x 70	3.6
21-400-064	4	100	8	M16 x 70	178	8	M12 x 70	4.5
21-400-080	5	125	8	M16 x 70	210	8	M12 x 70	5.9
21-400-096	6	150	8	M16 x 70	235	8	M12 x 70	6.8
21-400-128	8	200	8	M16 x 80	292	8	M16 x 80	10.8
21-400-160	10	250	8	M16 x 80	356	8	M20 x 100	16.6
21-400-192	12	300	12	M16 x 80	406	8	M20 x 100	21.2



REINFORCEMENT: High strength circular woven textile braid.
INNER TUBE: Black nitrile.
COVER: Black nitrile.
BRANDING: –
TEMPERATURE: -25°C to +80°C

- ADVANTAGES:**
- Abrasion resistant
 - UV stabilised
 - Minimal friction loss
 - Non-conductive

Long length Layflat (200mt) in large bore sizes coming soon!!

Heavy Duty Black Layflat

General purpose rubber layflat hose for air and water delivery.

Part Number	ID mm	Wall Thickness mm	Max. WP psi (mPa)	Weight kg/m	Bend Radius mm	Lengths metres
04-800-038-***	38.0	2.0	145 (1.00)	0.310	700	100
04-800-051-***	51.0	2.0	145 (1.00)	0.450	1100	100
04-800-076-***	65.0	2.5	145 (1.00)	0.680	1450	100
04-800-102-***	102.0	2.5	145 (1.00)	0.950	1700	100
04-800-152-***	152.0	3.0	145 (1.00)	1.650	2250	100
04-800-203-***	203.0	3.0	145 (1.00)	2.250	3000	100
04-800-255-***	254.0	3.0	145 (1.00)	3.250	3300	100

Pre-made hose assemblies



New attachment method: Wire Whipping coming.

Part Number	ID mm	Lengths metres	End I	Attachment method
04-800-9076-020MF	76mm	20m	Bauer Type B Male & Female	BAND-IT
04-800-9102-020MF	102mm	20m	Bauer Type B Male & Female	BAND-IT
04-800-9102-025MF	102mm	25m	Bauer Type B Male & Female	BAND-IT
04-800-9152-020MF	152mm	20m	Bauer Type B Male & Female	BAND-IT
04-800-9152-025MF	152mm	25m	Bauer Type B Male & Female	BAND-IT
04-800-9203-020MF	203mm	20m	Bauer Type B Male & Female	BAND-IT
04-800-9203-025MF	203mm	25m	Bauer Type B Male & Female	BAND-IT

REINFORCEMENT: High strength yarn.
INNER TUBE: PVC compound.
COVER: PVC compound.
BRANDING: Lettering.
TEMPERATURE: -10°C to +60°C

- ADVANTAGES:**
- Light weight
 - High quality
 - For low working pressure

Sunnyhose® Light Duty Blue Layflat

Light duty general purpose hose made of synthetic fibers and soft PVC in a continuous/one process production method. Especially suitable for temporary water supply or drainage of locations with relatively small differences in elevation.

Part Number	ID mm	Wall Thickness mm	Max. WP psi (mPa)	Weight kg/m	Lengths metres
04-000-025-***	25.0	1.25	75 (0.50)	0.160	100
04-000-032-***	32.0	1.25	75 (0.50)	0.200	100
04-000-038-***	40.0	1.25	73 (0.50)	0.205	100
04-000-051-***	50.0	1.30	65 (0.45)	0.270	100
04-000-063-***	65.0	1.50	58 (0.40)	0.380	100
04-000-076-***	75.0	1.70	58 (0.40)	0.530	100
04-000-102-***	100.0	1.75	58 (0.40)	0.705	100
04-000-127-***	125.0	1.85	44 (0.30)	0.935	100
04-000-152-***	150.0	1.95	44 (0.30)	1.175	100
04-000-203-***	200.0	2.20	44 (0.30)	1.785	100
04-000-252-***	250.0	2.65	36 (0.25)	2.650	100
04-000-305-***	300.0	2.55	30 (0.20)	2.910	100
04-000-355-***	350.0	2.70	30 (0.20)	3.650	100
04-000-400-***	400.0	2.70	30 (0.20)	4.287	100

Part Number	ID mm	Lengths metres	End I	Attachment method
04-000-9050-020CEW	50	20	Male & Female Alum. Camlock	Wormdrives & Boxed
04-000-9076-020CEB	76	20	Male & Female Alum. Camlock	BAND-IT Clamps
04-000-9076-020CEB	76	20	Male & Female Alum. Camlock	BAND-IT Clamps

*Sunnyhose® Heavy Duty Red Layflat also available.

MUNRO SKIRTING RUBBER

We appreciate it is important to have a skirting rubber that will not negatively impact on your investment in conveyors.

Quality rubber, coupled with the facility to cut mounting slots to your requirements, means you will have the right product in place and secure.

TEMPERATURE RANGE: -20°C TO +70°C
HARDNESS: SHORE A 65+/-5
ELONGATION: 350%
TENSILE STRENGTH: 55 kg/cm²

FEATURES:

- Excellent abrasion & low temperature resistance
- Excellent flexibility

Skirting Rubber – Natural

General purpose natural rubber with good all round properties. Used for many application but mainly in mining and quarrying for dust and spillage applications. Not recommended where oil, petroleum or organic solvents are present.

* 50mm wide Skirting also available in Neoprene Rubber

3mm thickness: 75-060-030003-CUT
6mm thickness: 75-060-050006-CUT

Part Number	Width mm	Thickness mm	Colour -	Roll Length metres
75-050-005006-030	50*	6.0	Black	30
75-050-007506-030	75	6.0	Black	30
75-050-007509-030	75	9.0	Black	30
75-050-007512-030	75	12.0	Black	30
75-050-007519-030	75	19.0	Black	30
75-050-007525-030	75	25.0	Black	30
75-050-010003-030	100	3.0	Black	30
75-050-010006-030	100	6.0	Black	30
75-050-010009-030	100	9.0	Black	30
75-050-010012-030	100	12.0	Black	30
75-050-010019-030	100	19.0	Black	30
75-050-010025-030	100	25.0	Black	30
75-050-015003-030	150	3.0	Black	30
75-050-015006-030	150	6.0	Black	30
75-050-015009-030	150	9.0	Black	30
75-050-015012-030	150	12.0	Black	30
75-050-015019-030	150	19.0	Black	30
75-050-015025-030	150	25.0	Black	30
75-050-020003-030	200	3.0	Black	30
75-050-020006-030	200	6.0	Black	30
75-050-020009-030	200	9.0	Black	30
75-050-020012-030	200	12.0	Black	30
75-050-020019-030	200	19.0	Black	30
75-050-020025-030	200	25.0	Black	30
75-050-025006-030	250	6.0	Black	30
75-050-025009-030	250	9.0	Black	30
75-050-025012-030	250	12.0	Black	30
75-050-025019-030	250	19.0	Black	30
75-050-025025-030	250	25.0	Black	30
75-050-030003-030	300	3.0	Black	30
75-050-030006-030	300	6.0	Black	30
75-050-030009-030	300	9.0	Black	30
75-050-030012-030	300	12.0	Black	30
75-050-030019-030	300	19.0	Black	30
75-050-030025-030	300	25.0	Black	30
75-050-075019-030	750	19.0	Black	12
75-050-150006-030	1500	6.0	Black	30
75-050-150009-030	1500	9.0	Black	30
75-050-150012-030	1500	12.0	Black	30
75-050-150019-030	1500	19.0	Black	30
75-050-150025-030	1500	25.0	Black	30



DRILLING FLUIDS, GROUTS AND SEALANTS, POLYMERS AND ADDITIVES



CETCO professional products are specially designed to enhance the cost-effectiveness of drilling operations by controlling and improving drilling fluid properties.



DRILLING FLUIDS

CETCO has consistently provided the drilling industry with the highest quality drilling fluids that keep operators running at peak efficiency. Their Bentonite based Drilling Fluids are made from the highest quality Sodium Bentonite mined from Wyoming, United States and here in Australia.



CETCO Bentonite Volclay 180 (Australian)

Volclay 180 is made from Bentonite mined in Queensland, Australia.

FUNCTIONAL USE: Bentonite and polymer additives manufactured for drilling and Civil Engineering.

PURITY: Hydrous Aluminium Silicate comprised principally of the clay mineral Montmorillonite. Montmorillonite content 94% minimum.

PACK SIZE: 25 kg

PART NUMBER: 24-000-005



CETCO Bentonite Super Gel-X® High Yield

Super Gel-X is an easy mixing, high viscosity 200 bbl yield freshwater drilling fluid produced from the highest grade Wyoming Sodium Bentonite. May be used for all types of freshwater mud rotary drilling.

PACK SIZE: 22.7 kg

PART NUMBER: 24-000-010



CETCO Bentonite Hydraul-EZ® Horizontal Directional

Hydraul-EZ is a high-yield, 200 mesh Sodium Bentonite with a special dry polymer additive. It is designed to maintain borehole integrity in horizontally drilled bore holes. Specially designed for conditions encountered in angle and horizontal drilling it can be used for all types of freshwater mud rotary drilling and as a jacking lubricant.

PACK SIZE: 22.7 kg

PART NUMBER: 24-000-015

Note: The CETCO product ranges (Drilling Fluids, Drilling Grouts and Sealants) are readily available from selected Powell Industrial branches. Please contact your local Powell Industrial branch for more information.



DRILLING GROUTS & SEALANTS

CETCO Grouts and Sealants provide for the grouting of newly constructed wells and of the decommissioning of abandoned wells and boreholes. In addition to traditional grouts and sealants, CETCO offers specialty grouts for Ground Source Heat Pump (GSHP) Systems and Utility & Telecommunications grounding.

CETCO Tablets

DESCRIPTION: CETCO Tablets are organic free, high-swelling pure Sodium Bentonite. Compressed into 1/4 (0.63 cm), 3/8" (0.95 cm), and 1/2" (1.27 cm) diameters, they are certified to NSF/ANSI Standard 60, Drinking Water Treatment Chemicals – Health Effects.

RECOMMENDED USE: Designed for use in the groundwater monitoring industry to form a chemically resilient, low-permeability, flexible seal. Tablets isolate screened intervals of monitoring wells and provide an excellent seal for abandoned bore holes.

MIXING AND APPLICATIONS: For shallow applications, add tablets slowly and steadily to prevent blocking and bridging. For deep applications, tablets may be tremied into place. Tablets are added and water or air is pumped down the tremie pipe, delivering it to the desired depth quickly and accurately.



Bentonite Tablets - 1/4 Inch

PACK SIZE: 22.7 kg

PART NUMBER: 24-100-100



Bentonite Tablets - 1/4 Inch Coated

PACK SIZE: 22.7 kg

PART NUMBER: 24-100-101



Bentonite Tablets - 3/8 Inch

PACK SIZE: 22.7 kg

PART NUMBER: 24-100-102



Bentonite Tablets - 3/8 Inch Coated

PACK SIZE: 22.7 kg

PART NUMBER: 24-100-103



DRILLING POLYMERS & ADDITIVES

Able to handle any complex drilling conditions, the diverse line of polymers and additives from CETCO continue to assist contractors in the most difficult soil conditions. CETCO polymers and additives consistently deliver the highest performance therefore adding significant value.



CETCO Insta-Vis™ Plus

INSTA-VIS™ PLUS (PHPA, 38% Active) is a multi-functional liquid polymer designed to improve drilling efficiency in both horizontal and vertically drilled boreholes through its rapid field mixing, viscosity development and clay and shale inhibition. NSF/ANSI Standard 60 Certified.

PACK SIZE: 25 kg
PART NUMBER: 24-000-200



CETCO Drill-Terge™

DRILL-TERGE™ is a liquid solution of non-ionic surfactants formulated to increase detergency and wetting properties of drilling fluids.

PACK SIZE: 25 kg
PART NUMBER: 24-000-204



CETCO X-Torque Drilling Lubricant

X-TORQUE is a new generation, environmentally friendly drilling lubricant with enhanced corrosion protection. It is a concentrated aqueous solution that mixes well in most water types and is capable of delivering superior performance at lower dosages than competitive products.

PACK SIZE: 25 kg
PART NUMBER: 24-000-215



CETCO Suspend-IT™ Suspension Enhancer

Suspend-IT is an easy mixing biopolymer additive used to control drilling fluid rheology.

PACK SIZE: 25 kg
PART NUMBER: 24-000-230



CETCO Super Thin™ Drilling Fluid Thinner/Defloculant

Highly concentrated additive engineered to reduce drilling fluid viscosity, assist in settling solids, and disperse the filter cake created by a Bentonite drilling fluid. It offers immediate thinning action, reduces gel strength, and is more cost-effective than traditional thinners.

PACK SIZE: 25 litre
PART NUMBER: 24-000-250



CETCO Macro-Fill-Acid Soluble LCM & Sweep Material

A granular, advanced super-absorbent loss circulation material that rapidly absorbs and retains large volumes of water from aqueous solutions.

PACK SIZE: 15 kg
PART NUMBER: 24-000-260



CETCO Shore Pac® Viscous Soil Stabilising Polymer

An easy mixing, water soluble, polymer supplied as a granular powder. Shore Pac is designed for preparation of viscous earth-reinforcing fluids or slurries for a variety of drilling, trenching and walling applications in the geo-construction industry.

PACK SIZE: 15 kg
PART NUMBER: 24-000-220



CETCO Soda Ash - Sodium Carbonate

Soda Ash is the common name for Sodium Carbonate, which separates calcium into Sodium and Carbonate ions in solution.

PACK SIZE: 25 kg
PART NUMBER: 24-000-222



CETCO Rel-Pac Natural Cellulosic Polymer

Rel-Pac is a non-fermenting granular polymer designed for building a low solids drilling fluid with increased borehole stability. Rel-Pac is a highly dispersible polymer, which prevents the formation of hard lumps or fish eyes, for maximum product efficiency.

PACK SIZE: 25 kg
PART NUMBER: 24-000-225



CETCO Magma Fiber - Acid Soluble LCM & Sweep Material

Specially formulated, extrusion spun mineral fibre loss circulation material. This coarse, long and flexible fibre will give increased circulation by bridging and plugging off voids, fractures and all types of permeable formations.

PACK SIZE: 11.25 kg
PART NUMBER: 24-000-262



CETCO Clay Cutter™ Drilling Fluid Polymer

Clay Cutter is a concentrated, non-hazardous, proprietary clay inhibitor that can be used with either polymer or bentonite drilling fluid systems. Clay Cutter is an ideal additive for HDD bores in reactive clay soils.

PACK SIZE: 18.9 kg
PART NUMBER: 24-000-280

NEED SPECIFIC INFORMATION ABOUT ANY OF THE PRODUCTS MENTIONED IN THIS GUIDE?

Call your nearest Powell Industrial Branch and an expert representative can forward you a detailed information sheet for the product you are needing to know more about.

FITTINGS

Keeping a hose attached to its fitting is extremely important, not only for safety reasons but because when you're in charge of supplying a drilling site with fittings, you want to ensure they are the best available or close too and offer cost-efficiencies. The last thing you want to see or hear about are failures in these products, which inevitably adds to costs and losses associated through down time.



Camlocks & Goodyear Instalocks

All Powell Industrial camlocks are produced to the NATO Standard, unless specified, and are interchangeable with each other.

Available in a range of sizes including all the standard and hard to find variations, they are ideal for various applications including conveying liquids, dry bulk materials, petroleum products, dyes and adhesives. Whether they are Polypropylene, Aluminium (die or gravity cast), 316 Stainless Steel, Nyglass or Brass you'll find it hard to beat their quality construction and consistency of manufacture.



Couplings Bauer Couplings

Available in sets or as individual parts, our extensive range of Zinc Alloy (also available in Stainless Steel) Bauer Couplings are stocked in sizes ranged from 2 to 8 inches and can be ordered up to a larger 12 inch size. Along with the standard parts we also offer Bauer female and male connections, flanges, end caps, weld-ons, strainers and reducers. The ideal leak-proof joint under either suction or pressure (150 psi working pressure) applications, its spherical construction of the ball and socket ensures the seal is equally efficient at coupling angles up to 30 degrees in most cases.



Claw Couplings Type A, B & S

Available in Zinc Plated Carbon Steel or 316 Stainless Steel with recommended maximum working pressures of 500 psi (for Type A) and 1000 psi (for Type S) our range of Claw Couplings are also NATA tested and certified* and meet various Australian Standards for construction. They are also interchangeable between most sizes. Recommended attachment for these is using interlocking Claw Clamps – Once fitted you are ready to get stuck into the toughest of drilling operations.

*Not applicable for Type B.

Hose Protectors Whipcheck & Whipsocks

The whipping nature of a failed hose or connection can result in serious personal injury and property damage. Powell Industrial recommends the use of Whipchecks and Whipsocks on any hose assemblies under pressure that pose a potential risk to users or nearby equipment. Easy to attach, the Twin Eye Open Ended Cable Stocking Hose Restraint (Whipsock) and Hose to Hose Whipcheck options we stock should not be overlooked by those who value safety.



Valves Butterfly Valves (Manual, S/Return & Double Action), Ball Valves, Gate Valves, Spring & Swing Check Valves

When you need to get things flowing or stopped, you can do it with confidence to our superb range of valves. Available in various materials, dependant on the type, we offer an extensive range of high quality valves in a long list of sizes that suit many of the different applications found in and around a drilling site.



Pipe Fittings Carbon Steel & Buttwelds, Expansion Joints & Pipe Flanges

Along with our standard Galvanised Malleable Iron Pipe Fittings used for water transfer, we also stock an extensive range of Carbon Steel (Black Carbon or Black Steel) Pipe Fittings in BSP and NPT 3000 lbs thread types for use on your drilling site. Available in an extensive range of sizes these quality pipe fittings are also be complimented with our ranges of Carbon Steel Buttwelds, Expansion Joints and various Pipe Flanges and their accompanying rubber gaskets.



Powell Industrial Product Range

HOSES

- Rubber
- PVC Pressure
- PVC Suction
- Layflat
- Ducting
- Composite

FITTINGS

- Camlocks
- Hose Tails
- Couplings
- Clamps
- Valves
- Brass Screwed
- Pipe Fittings
- Stainless Steel Screwed
- Polypropylene/Nylon
- Guns & Nozzles
- Domestic Garden

PNEUMATICS

- Pneumatic Tube & Air Pipe
- Pneumatic Push-In
- Pneumatic Quick Couplings
- Pneumatic Accessories

HOSE REELS

- Manual & Automatic Rewind

RUBBER

- Rubber Sheet
- Matting
- Rubber Profiles
- Foam Tapes
- Skirting Rubber

HYDRAULICS

- Hydraulic Hoses
- Hydraulic Hose Tails
- Hydraulic Adaptors
- Hydraulic Quick Couplings
- Hydraulic Accessories

ACCESSORIES & CONSUMABLES

- Spill Control
- Thread Tapes, Adhesives
- Pastes & Sealants
- Hose Protectors
- Mesh
- V-Belts
- Drilling Mud & Accessories

For more detailed information on the individual products associated with each category and sub-group listed above, along with all the great industrial brands you can find at Powell Industrial, please contact your local branch for assistance or visit our website www.powellindustrial.com.au

Contact details for each branch are located below.

Powell Industrial Branches

Coopers Plains

phone 07 3722 3722
fax 07 3722 3733
Unit 1, 76 Postle Street
Coopers Plains QLD 4108
brissales@powellindustrial.com.au

Newcastle

phone 02 4028 6810
fax 02 4028 6835
Unit 6, 26 Balook Drive
Beresfield NSW 2322
newsales@powellindustrial.com.au

Derrimut

phone 03 8353 2835
fax 03 8353 2879
Unit 1, 2 Derrimut Drive
Derrimut VIC 3030
derrimut@powellindustrial.com.au

Geebung

phone 07 3722 3722
fax 07 3722 3733
238 Robinson Road
Geebung QLD 4034
brissales@powellindustrial.com.au

Wetherill Park

phone 02 9756 1244
fax 02 9756 1534
Unit 2, 1269 The Horsley Drive,
Wetherill Park NSW 2164
sydsales@powellindustrial.com.au

Burnie

phone 03 6431 4068
fax 03 6431 6727
6-8 Wellington Street,
South Burnie TAS 7320
burnie@powellindustrial.com.au

Mackay

phone 07 4952 1666
fax 07 4952 1133
Unit 2, 3 Ginger Street
Mackay QLD 4740
msales@powellindustrial.com.au

Kilsyth

phone 03 9588 1440
fax 03 9588 1441
Unit 3, 120 Canterbury Road
Kilsyth South VIC 3137
melsales@powellindustrial.com.au

Hobart

phone 03 6272 1055
fax 03 6272 1485
8A Lampton Avenue,
Derwent Park TAS 7009
hobart@powellindustrial.com.au

Townsville

phone 07 4775 4855
fax 07 4775 4766
77 Pilkington Street
Garbutt QLD 4814
tsales@powellindustrial.com.au

Braeside

phone 03 9588 1440
fax 03 9588 1441
Factory 1, 252 Governor Road
Braeside VIC 3195
melsales@powellindustrial.com.au

Welshpool

phone 08 9358 5900
fax 08 9358 5911
Unit 6, 16-18 Kewdale Road,
Welshpool WA 6106
welshpool@powellindustrial.com.au