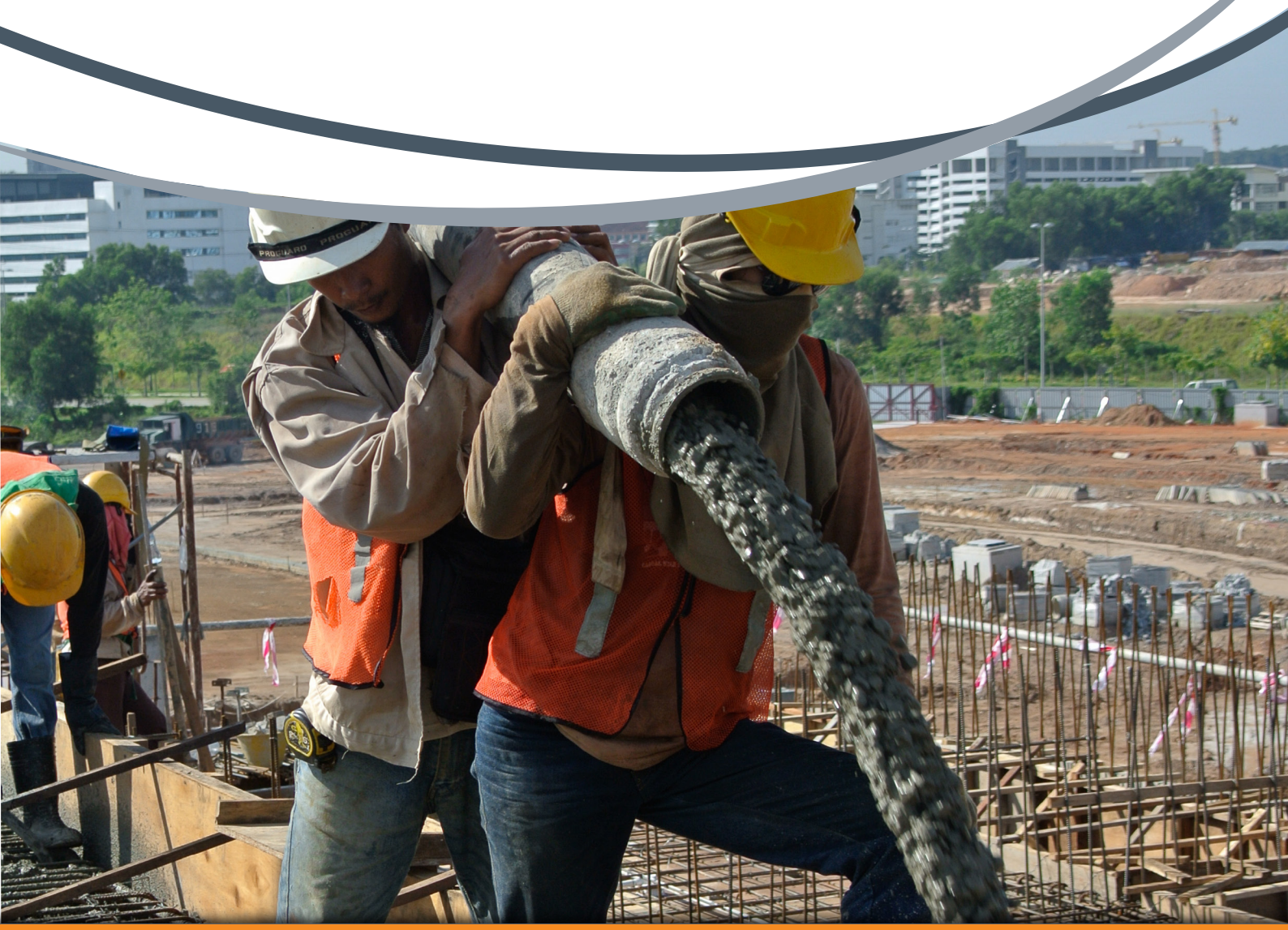
Rapid®
HYDRAULICS & PNEUMATICS



Concrete Hose & Fittings

Market Brochure

rapidhydraulics.com.au

CONCRETE PUMPING HOSE

INNER TUBE: Black smooth conductive NR

REINFORCEMENT: High tensile steel braid

COVER: Black wrapped conductive SBR

TEMPERATURE: -30°C to +70°C

BRANDING: Example: EXITFLEX® EF8505 HEAVY DUTY CONCRETE PUMPING HOSE 85 BAR (1235PSI) DN 102 - 4"

SAFETY FACTOR: 2 : 1

ADVANTAGES:

- Excellent resistance to ageing, atmospheric conditions and ozone
- Flexible and easy to handle
- Extreme resistance to abrasion giving extended service life
- Robust construction to withstand heavy compressive loads and guarantee maximum safety
- Construction eliminates kinking and allows easy cleaning by reverse pumping

EXITFLEX® EF8505 Heavy Duty Steel Concrete Pumping Hose

The EXITFLEX® EF8505 is a high pressure steel reinforced concrete pumping hose suitable for boom transfer/pumping applications up to 85 bar in concrete structures, dams, tunnel faces etc. Also suitable for pneumatic discharge of cement and minerals, plaster, grout, slurry and abrasive materials with small granulometry.

Part Number	ID	Nom. OD	Working Pressure		Weight	Vacuum Rating	Bend Radius	Lengths
	mm	mm	psi	bar	kg/m	in/Hg	mm	metres
10-830-051-***	51	69	1235	85	2.7	-	305	30
10-830-063-***	63	85	1235	85	4.2	-	380	30
10-830-076-***	76	100	1235	85	5.2	-	400	30
10-830-088-***	88	116	1235	85	6.2	-	500	30
10-830-102-***	102	132	1235	85	8	-	550	30
10-830-127-***	127	155	1235	85	9.9	-	700	30

Hose Assemblies

The EXITFLEX® EF8505 steel reinforced concrete pumping hose is also available to order as complete assemblies fitted by one of our fully equipped Powell Industrial workshop facilities strategically located across the country.

A wide variety of hose assembly lengths are available pre-fitted with both single and double ends off the shelf.

Our national workshops also have the flexibility to make custom specific lengths for that one off project.

NB: Pre-made hose assemblies available on request.

CONTACT YOUR LOCAL POWELL INDUSTRIAL BRANCH FOR YOUR CONCRETE HOSE ASSEMBLIES.

INNER TUBE: Black smooth NR blend

REINFORCEMENT: High tensile textile cord with two cross anti-static wire

COVER: Black wrapped synthetic

TEMPERATURE: -30°C to +70°C

BRANDING: Example: EXITFLEX® >>> EF649 - CONCRETE DELIVERY HOSE >>> 85 BAR (1235PSI) DN 88 - 3-1/2"

SAFETY FACTOR: 2 : 1

ADVANTAGES:

- Excellent resistance to ageing, atmospheric conditions and ozone
- Flexible and easy to handle
- Extreme resistance to abrasion giving extended service life

EXITFLEX® EF649 Heavy Duty Fabric Concrete Delivery Hose

The EXITFLEX® EF649 is a high pressure concrete delivery hose suitable for pumping applications up to 85 bar in concrete structures, dams, tunnel faces etc. Ideal for use as a flexible connection between pumping equipment and hard piping.

Part Number	ID	Nom. OD	Working Pressure		Weight	Vacuum Rating	Bend Radius	Lengths
	mm	mm	psi	bar	kg/m	in/Hg	mm	metres
10-825-051-***	51	71	1235	85	3	-	500	10 / 20 / 30
10-825-063-***	63	87	1235	85	3.77	-	600	20 / 30
10-825-076-***	76	102	1235	85	4.9	-	750	4 / 10 / 20 / 30
10-825-088-***	88	115	1235	85	5.66	-	850	4 / 10 / 20 / 30
10-825-102-***	102	132	1235	85	7.36	-	1000	4 / 10 / 20 / 30

Hose Assemblies

The EXITFLEX® EF649 fabric reinforced concrete delivery hose is also available to order as complete assemblies fitted by one of our fully equipped Powell Industrial workshop facilities strategically located across the country.

A wide variety of hose assembly lengths are available pre-fitted with both single and double ends off the shelf.

Our national workshops also have the flexibility to make custom specific lengths for that one off project.

NB: Pre-made hose assemblies available on request.

CONCRETE HOSE FITTINGS

OPTIMA® Victaulic Shoulderd Quick Release Clamp 130BAR W.P

NB: Coupling Safety Pin included.

The OPTIMA® Victaulic Shoulderd Quick Release Clamp is manufactured to comply with Australian Standard AS1418.15 from high quality carbon steel Grade AS 1030-1040 which has been heat treated to give added strength.

These clamps have been designed with a working pressure of 130bar and have a 2:1 safety factor.

Code	Size	Head Dimension A	Head Dimension B	Working Pressure	
		mm	mm	psi	bar
59-607-067	2"	67	59.5	1900	130
59-607-097	3"	97	88.5	1900	130
59-607-122	4"	122	115.0	1900	130
59-607-127	4-1/2"	127	115.0	1900	130
59-607-148	5"	148	139.0	1900	130

Case Hardened Steel Concrete Hose Stems

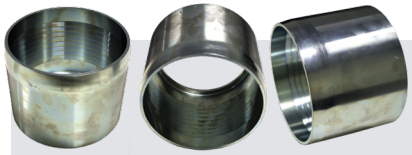
ADVANTAGES:

- Case hardened steel
- Oversized hose tail allowing for optimum flow
- Black Electroplated surface finish to minimise corrosion & extend the life of the hose tail

Product Number	Hose ID	Hose ID	Head	Head DN	Head Dimensions				Weight
					A	B	C	D	kg/m
	mm	inch	style	inch	mm	mm	mm	mm	
22-050-051-067	51	2	Shouldered	2	66.5	59.5	16.0	20.0	0.84
22-050-063-089	63	2-1/2	Victaulic	3	88.9	84.9	16.0	20.0	1.76
22-050-063-097	63	2-1/2	Shouldered	3	97.0	88.5	16.0	20.0	1.95
22-050-076-097	76	3	Shouldered	3	97.0	88.5	16.0	20.0	2.10
22-050-076-127	76	3	Victaulic	4-1/2	127.0	115.0	17.0	20.0	3.21
22-050-088-122	88	3-1/2	Shouldered	4	122.0	115.0	17.5	20.0	3.03
22-050-088-122T	88	3-1/2	Shouldered	4	122.0	115.0	17.5	20.0	3.03
22-050-088-127	88	3-1/2	Victaulic	4-1/2	127.0	115.0	17.0	20.0	3.23
22-050-102-122	102	4	Shouldered	4	122.0	115.0	17.5	20.0	3.43
22-050-102-127	102	4	Victaulic	4-1/2	127.0	115.0	17.0	20.0	3.44
22-050-127-148	127	5	Victaulic	5-1/2	148.0	139.0	17.0	20.0	4.54

Case Hardened Steel Concrete Hose Stems - Female

Code	Hose ID	Hose ID	Head	Thread Size		Weight
	mm	inch	style	inch	type	kg / m
22-050-051-032F	51	2	Threaded	2	BSPP	1.15



Steel Plated Concrete Hose Ferrules

Code	Hose ID	Hose ID	Hose OD (min)	Hose OD (max)	Weight	Material
	mm	inch	inch	inch	kg / m	grade
19-390-032	51	2	62.0	71.0	0.89	Plated Steel
19-390-040	63	2-1/2	74.0	87.0	0.85	Plated Steel
19-390-048	76	3	90.0	106.0	1.40	Plated Steel
19-390-056	88	3-1/2	102.0	120.0	2.20	Plated Steel
19-390-064	102	4	116.0	132.0	2.86	Plated Steel
19-390-080	127	5	143.0	159.0	3.90	Plated Steel

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