

PAMEC

CONCRETE PUMPING & PLACING SYSTEMS

SISTEMI DI DISTRIBUZIONE E POMPAGGIO CALCESTRUZZO *CONCRETE PUMPING & PLACING SYSTEMS*



www.pamec.com



GIUNTI *COUPLINGS*

SISTEMI DI COLLEGAMENTO • *CONNECTING SYSTEMS*



> Sistema **GU** con guarnizione a doppio labbro

> **GU System** with double lipped gasket

> Sistema **OR** con guarnizione a sezione piena

> **OR System** with full section gasket



Giunti in acciaio stampato a caldo, da 1" a 8" in esecuzione a leva, a bulloni o a cuneo, adatti per tutti i sistemi di collegamento.

Drop-forged steel couplings from 1" to 8", lever, bolt or wedge versions, suitable for all connecting systems.

GUARNIZIONI *RUBBER GASKETS*

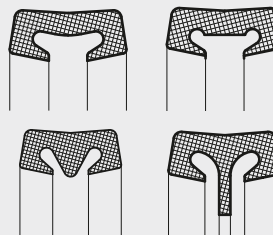
Nel collegamento delle tubazioni con i giunti, la tenuta è assicurata da una guarnizione in gomma, che varia in funzione del tipo di collegamento stesso: guarnizioni a doppio labbro, tipo "GU", e a sezione piena, tipo "OR". Misure da 1" a 8".

When pipes are joined with couplings, the seal is assured by a rubber gasket, which varies according to the type of connection: double lipped gasket, type "GU", and full section gasket, type "OR". Size from 1" to 8".

> Sistema **OR**
> **OR System**



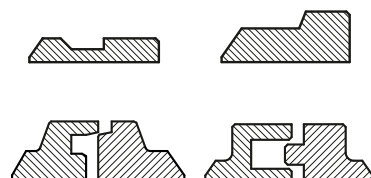
> Sistema **GU**
> **GU System**



COLLARINI *WELD-ON COLLARS*

Vari tipi di collarini da saldare alle estremità delle tubazioni, per permettere il collegamento delle stesse con i giunti.

Different types of collars which are welded to the ends of pipes, so that they can be joined together with couplings.





TUBI TEMPRATI AD INDUZIONE INDUCTION HARDENED PIPES

Tubi in acciaio temprati ad induzione, a singola e a doppia parete, particolarmente indicati per i bracci di distribuzione calcestruzzo.

Riduzioni a doppia parete, temprate ad induzione, nei vari diametri e lunghezze.

Curve a doppia parete temprate ad induzione, nei vari diametri e raggi richiesti sul mercato.

Single and double wall induction hardened steel pipes, especially suitable for boom pipeline.

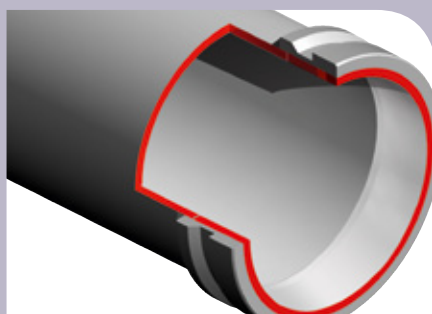
Double wall induction hardened reducers, various diameters and lengths.

Double wall induction hardened elbows, various sizes and radius.



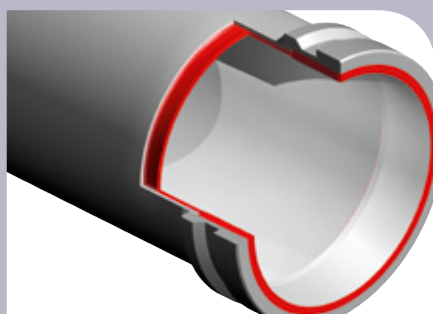
XWP

Singola parete-extra temprato
Single wall-extra hardened



DWP

Doppia parete
Double wall



TUBAZIONI PIPES

Tubi in acciaio, saldati e senza saldatura, nei diversi diametri e spessori richiesti sul mercato.

Riduzioni in acciaio senza saldatura, con spessori da 5 mm a 9.5 mm, diametri e lunghezze a richiesta del cliente.

Curve in acciaio ST 52 ed in acciaio al manganese. Curve ridotte in acciaio al manganese.

Welded and seamless steel pipes, diameters and wall thicknesses according to the market requirements.

Seamless reducers, wall thickness from 5mm to 9.5 mm, diameters and lengths on request.

Elbows and bends in ST 52, cast elbows in manganese steel. Cast reduced elbows in manganese steel.



TUBI GOMMA *RUBBER HOSES*



Tubi in gomma per calcestruzzo e malta, con inserti tessili e metallici, per medie ed alte pressioni, da 1" a 6". Raccordi portagomma e fascette stringitubo da 1" a 6".

Rubber hoses for concrete and mortar, with fabric and metal layer reinforcement, for medium and high pressures, from 1" to 6". Hose fittings and clamps from 1" to 6".

ARTICOLI PER LA PULIZIA DELLE TUBAZIONI *ITEMS FOR CLEANING PIPES*



Palle in gomma spugna in esecuzione morbida, media e dura. Tamponi in gomma. Teste di lavaggio. Cestelli di raccolta palle spugna.

Sponge rubber balls supplied in soft, medium and hard versions. Rubber plugs. Cleaning heads and catching baskets for sponge balls.



BRACCI DI DISTRIBUZIONE CALCESTRUZZO CONCRETE PLACEMENT BOOMS



Bracci PAMEC per la distribuzione del calcestruzzo, in esecuzione orizzontale e verticale, montati su basamento, su colonna, a parete o su carrello cingolato. Comando manuale, elettro-idraulico o con radiocomando. Tubazioni da 3"-75 mm – 4"-100 mm – 5"-125 mm. Raggio di azione da 6 a 16 metri, secondo il modello di braccio.

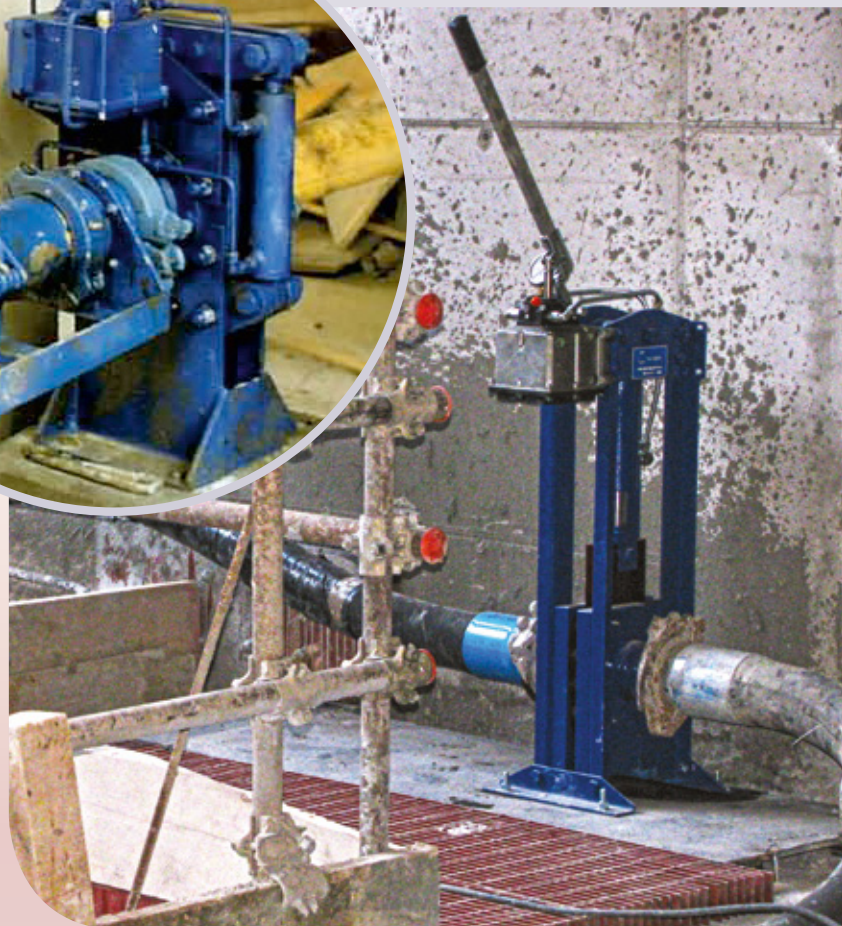
PAMEC concrete placement booms, for horizontal and vertical operation, mounted on base, on column, on wall or on a motorized track driver unit. Manually, electro-hydraulically or by radio control operated. Pipes: 3"-75 mm – 4"-100 mm – 5"-125 mm. Radius reach: from 6 m to 16 m, according to the boom model.



SARACINESCHE SHUT-OFF VALVES

Le saracinesche servono per intercettare il flusso del calcestruzzo, permettendo in tal modo di intervenire sulla linea o sulla pompa in caso di necessità. Comando manuale, con pompa a mano o con centralina oleodinamica. Dimensioni da 2" a 8".

The shut-off valves are used to stop the concrete flow and allow maintenance on the pipeline or on the pump. Manually, by hand pump or electro-hydraulically operated. Sizes: from 2" to 8" .



DEVIATORI DIVERSION VALVES

I deviatori sono attrezzature adatte per deviare il flusso del calcestruzzo nel punto di getto desiderato.

Possono essere a 2, 3, 4 o più vie, con comando manuale, con pompa a mano o con centralina oleodinamica.

Dimensioni da 2" a 6" .

The diversion valves are devices suitable to divert the concrete flow to the casting point required. They can be made in 2, 3, 4 or more ways, manually operated or by hand pump or by hydraulic power-pack. Sizes: from 2" to 6" .





SUPPORTI *SUPPORTS*



Supporti sostegno tubi acciaio, esecuzione standard oppure a sbloccaggio rapido. Supporto di ancoraggio tubo gomma terminale.

Supports for steel pipes, bolted or quick release versions. Anchor support for end hose.

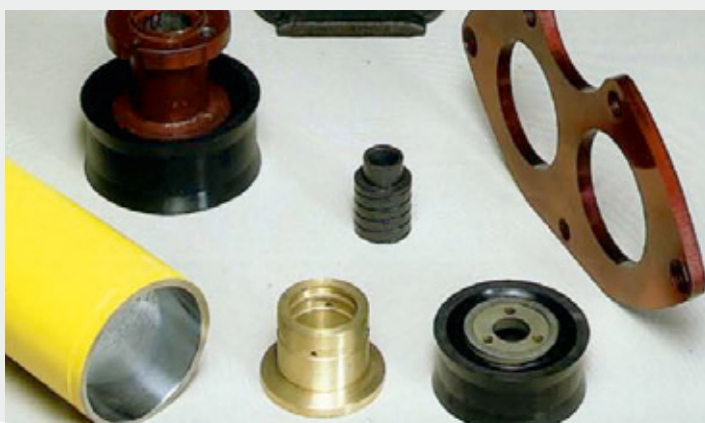
LANCE *NOZZLES*



Lance per "spritz-beton" con vari tipi di attacco, DN 38, DN 50, DN 65 e DN 75.

Shot-crete nozzles complete with different types of ends, DN 1½", 2", 2½" and 3".

RICAMBI *SPARE PARTS*



Ricambi vari per pompe calcestruzzo.

Range of spare parts for concrete pumps.

PAMEC

CONCRETE PUMPING & PLACING SYSTEMS



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SMALL LINE



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NOZZLE

Shot-crete nozzles complete with different types of weld-on ends.

Three elements go to make up the PAMEC shot-crete nozzles: housing made out of aluminium or polyamide for less weight, body spreader in hardened steel and rubber or polyurethane tip. The rubber tip can be made in soft or hard version. Large air holes for better flow.

The PAMEC shot-crete nozzles can be customized according to the customer requirements.

DN		INLET Ø		Type	Code No.	TIP Code	
in.	mm	in.	mm				



GN 3815 ■ GN 5020

1.½"	38	1,496	38	GN 3815 S – 15G	8072381501	8072380041	Grooved end
1.½"	38	1,496	38	GN 3815 S – 15R	8072381601	8072380041	Raised end
1.½"	38	1,496	38	GN 3815 S – 15T	8072381801	8072380041	Threaded end
2"	50	1,968	50	GN 5020 S – 20G	8072552001	8072550041	Grooved end
2"	50	1,968	50	GN 5020 S – 20R	8072552101	8072550041	Raised end
2"	50	1,968	50	GN 5020 S – 20T	8072552301	8072550041	Threaded end

Fittings: S₁ - S₂



GN 3815 CL ■ GN 5020 CL

1.½"	38	1,299	33	GN 3815 S – CL	8072381901	8072380041	Cam-arm end
2"	50	1,772	45	GN 5020 S – CL	8072552401	8072550041	Cam-arm end
2"	50	1,772	45	GN 5020 P – CL	8072552409	8072550049	Cam-arm end

Fittings: S₁ - S₂



GN 6525

2.½"	65	2,559	65	GN 6525 S – 25G	8072652501	8072650041	Grooved end
2.½"	65	2,480	63	GN 6525 S – 25R	8072652601	8072650041	Raised end
3"	75	2,559	65	GN 6525 S – 30G	8072653001	8072650041	Grooved end

Fittings: S₃



GN 6525 P

2.½"	65	2,559	65	GN 6525 P – 25G	8072652509	8072700049	Grooved end
2.½"	65	2,480	63	GN 6525 P – 25R	8072652609	8072700049	Raised end
3"	75	2,559	65	GN 6525 P – 30G	8072653009	8072700049	Grooved end

Fittings: S₃

DN		INLET Ø		Type	Code No.	TIP Code	
in.	mm	in.	mm				



GN 6630

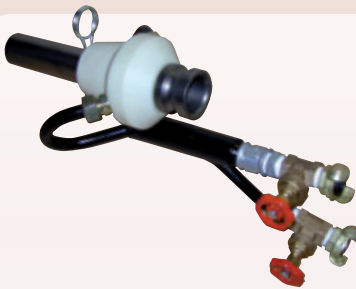
2.1/2"	65	2,559	65	GN 6630 S - 25 R	8072662609	8072650041	Raised end
3"	75	2,559	65	GN 6630 S - 30 G	8072663001	8072650041	Grooved end
3"	75	2,559	65	GN 6630 S - 34 M	8072663401	8072650041	Metric end
3"	75	2,480	63	GN 6630 S - 30 R	8072663101	8072650041	Raised end

Fittings: S₃

GN 6630 P

2.1/2"	65	2,559	65	GN 6630 P - 25 R	8072662609	8072700049	Raised end
3"	75	2,559	65	GN 6630 P - 30 G	8072663009	8072700049	Grooved end
3 1/4"	80	2,559	65	GN 6630 P - 34 M	8072663409	8072700049	Metric end
3"	75	2,480	63	GN 6630 P - 30 R	8072663109	8072700049	Raised end

Fittings: S₃



LC 50-CL

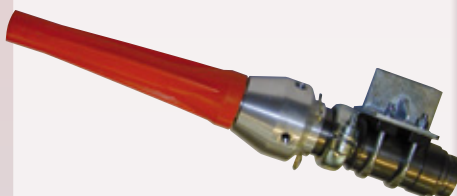
2"	50	1,772	45	LC 50 - CL	8072501050		Cam-arm end
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LC 7530

3 1/4"	80	2,953	75	LC 7530 34M	8072753400		Metric end
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Fittings: S₃

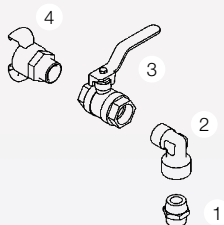


LC 7230 P

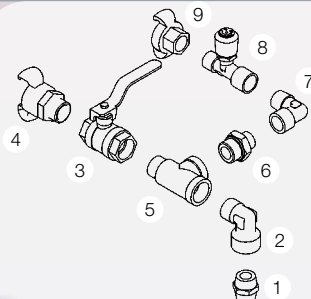
3"	75	2,952	75	LC 7230 P - 30G	8072703009S	8072700049	Grooved end
3 1/4"	80	3,031	77	LC 7230 P - 34M	8072703409S	8072700049	Metric end
3"	75	2,952	75	LC 7230 P - 30R	8072703109S	8072700049	Metric end

Fittings: S₃

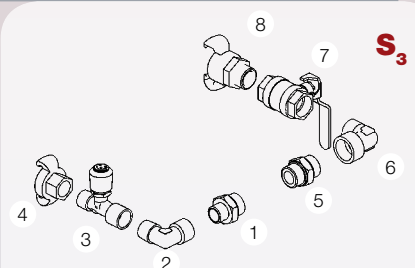
Fittings



S₁



S₂



S₃



RUBBER HOSES

Rubber hoses for placement of concrete, mortar and abrasive material. The inner hose is made of wear resistant rubber, the outer cover is weather and abrasion resistant. The rubber hoses are reinforced with high strength syntetic cord (TT) or steel wire cord (TM)

Temperature: -40°C +70°C

Fittings: according to the customer requirements.

DN		I.D./O.D.	Type	Code Number	W.P.		B.P.	
in.	mm	mm		(*)	Bar	psi	Bar	psi

TT - Rubber hoses with fabric layer reinforcements, suitable for sand, pea gravel etc.

2.362"	60	60/80	TT 60 A	TT 23 A ----	12	174	36	522
2.1/2"	65	65/85	TT 65 A	TT 25 A ----	12	174	36	522

TT - Rubber hoses with fabric layer reinforcements, suitable for concrete, mortar, plaster etc.

2.362"	60	60/80	TT 60 B	TT 23 B ----	12	174	36	522
2.1/2"	65	65/85	TT 65 B	TT 25 B ----	12	174	36	522
1.1/2"	38	38/54	TT 38 L	TT 15 L ----	40	580	120	1.740
2"	51	51/68	TT 50 L	TT 20 L ----	40	580	120	1.740
2.1/2"	65	65/85	TT 65 L	TT 25 L ----	40	580	120	1.740
3"	75	76/98	TT 75 L	TT 30 L ----	40	580	120	1.740
2.1/2"	65	65/87	TT 65 X	TT 25 X ----	85	1.232	170	2.465
3"	75	76/101	TT 75 X	TT 30 X ----	85	1.232	170	2.465



TM - Rubber hoses with metal layer reinforcements, suitable for concrete, mortar, plaster etc.

1.1/2"	38	38/51	TM 38 X	TM 15 X ----	85	1.232	170	2.466
2"	50	51/70	TM 50 X	TM 20 X ----	85	1.232	170	2.466
2.1/2"	65	65/87	TM 65 X	TM 25 X ----	85	1.232	170	2.466
3"	75	76/101	TM 75 X	TM 30 X ----	85	1.232	170	2.466
4"	100	101/128	TM 100 X	TM 40 X ----	85	1.232	170	2.466
2"	50	51/75	TM 50 Y	TM 20 Y ----	100	1.450	200	2.901
2.1/2"	65	65/89	TM 65 Y	TM 25 Y ----	100	1.450	200	2.901
3"	75	75/100	TM 75 Y	TM 30 Y ----	100	1.450	200	2.901
4"	100	100/128	TM 100 Y	TM 40 Y ----	100	1.450	200	2.901



FITTINGS

The above rubber hoses can be equipped with an external spiral, standard length: 1000 mm



(*) Code Number

Other sizes on request

EXAMPLE OF DESIGNATION: **TM 20 X 5000 AA**

TM Rubber hoses with metal layers
20 DN 2" - 50 mm
X W.P. 85 Bar
5000 Length = 5000 mm
AA Weld-on end - Grooved

LENGTH
 0000
 4000 = 4000 mm
 9999 = 9999 mm
 0150 = 15 M
 0310 = 31 M

WELD-ON END
A Grooved
C Metric
D Raised (HD)
 other ends on request

STEEL PIPES

Welded (TAS) and Seamless (TA) steel pipes in different sizes, lengths and wall thicknesses, complete with weld-on ends suitable for all connecting systems: grooved, metric, raised, male-female, etc.

Quality: E355 (ST-52), API 5L-B , **single wall induction hardened**.

DN		O.D.		W/Th		Type	Code Number (*)
in.	mm	in.	mm	in.	mm		



TA-TAS - Steel pipes complete with weld-on ends

2"	50	2,24	57,0	0,126	3,20	TAS 2032	1P20 ---- --
		2,37	60,3	0,154	3,91	TA 2039	2A20 ---- --
2½"	65	2,76	70,0	0,157	4,00	TAS 2540	1P25 ---- --
		2,87	73,0	0,203	5,16	TA 2551	2A25 ---- --
3"	75	3,25	82,5	0,138	3,50	TAS 3035	1P31 ---- --
		3,50	88,9	0,250	6,35	TA 3063	2A30 ---- --
4"	100	4,25	108,0	0,138	3,50	TAS 4035	1P40 ---- --
		4,50	114,3	0,237	6,02	TA 4060	2A40 ---- --



XWP - Induction hardened pipes - single wall complete with weld-on ends

2"	50	2,37	60,3	0,157	4,00	XWP 2040	1J20 ---- --
2½"	65	2,76	70,0	0,157	4,00	XWP 2540	1J25 ---- --
3"	75	3,25	82,5	0,157	4,00	XWP 3040	1J30 ---- --
4"	100	4,25	108,0	0,157	4,00	XWP 4040	1J40 ---- --

(*) Code Number

Other sizes on request

EXAMPLE OF DESIGNATION: 1P 20 3000 AA

1P Steel pipe
20 DN 2" - 50 mm
3000 Length = 3000 mm
AA Weld-on end - Grooved

WELD-ON END

A Grooved
C Metric
D Raised (HD)
 other ends on request



ELBOWS

The elbows are made in various sizes, radius and wall thicknesses, complete with weld-on ends suitable for all connecting systems.

Quality: E355 (ST 52), API 5L-B or manganese steel (MN).

DN		Wall thick.		Aver. radius		Type	Code Number
in.	mm	in.	mm	in.	mm		

C - Steel elbows complete with weld-on ends

2"	50	0,218	5,54	5,98	152	C 2090 R152/55 --	3A211590 --
	50	0,250	6,35	17,72	450	C 2090 R450/63 --	3A224490 --
2½"	65	0,250	6,35	7,48	190	C 2590 R190/63 --	3P261990 --
	65	0,203	5,16	17,72	450	C 2590 R450/51--	3A254490 --
	65	0,250	6,35	39,37	1000	C 2590 R1000/63 --	3P26A190 --
3"	75	0,138	3,50	15,75	400	C 3090 R400/35 --	3P324090 --
	75	0,250	6,35	8,07	205	C 3090 R205/63 --	3A322090 --
	75	0,250	6,35	10,63	270	C 3090 R270/63 --	3A322790 --
	75	0,250	6,35	17,72	450	C 3090 R450/63 --	3A324490 --
	75	0,250	6,35	39,37	1000	C 3090 R1000/63 --	3A32A190 --
	75	0,315	8,00	15,75	400	C 3090 R400/80 --	3P384090 --
4"	100	0,237	6,02	5,95	150	C 4090 R150/60 --	3A401590 --
	100	0,250	6,35	9,84	250	C 4090 R250/63 --	3A422590 --
	100	0,237	6,02	17,72	450	C 4090 R450/60 --	3A404490 --
	100	0,237	6,02	31,50	800	C4090 R800/60 --	3A408090 --
	100	0,142	3,60	39,37	1000	C4090 R1000/36 --	3P40A190 --
	100	0,237	6,02	39,37	1000	C4090 R1000/60 --	3A40A190 --

DN		Weld-on ends		Aver. radius		Type	Code Number	
in.	mm	in.	mm	in.	mm			

C-Mn - Cast elbows complete with weld-on ends

4"	100	4,50	114,3	10,83	275	C 4090 R275 40M MN	88 20 00 81 00	90°
4"	100	4,50	114,3	10,83	275	C 4045 R275 40M MN	88 20 00 80 00	45°
4"	100	5,00	127,0	7,09	180	C 4090 R180 45M MN	88 20 00 86 00	90°
4"	100	5,00	127,0	10,83	275	C 4090 R275 45M MN	88 20 00 76 00	90°
4"	100	5,00	127,0	10,83	275	C 4045 R275 45M MN	88 20 00 84 00	45°

DN		Wall thick.		Aver. radius		Type	Code Number
in.	mm	in.	mm	in.	mm		

CR-Mn - Cast reducing elbows complete with weld-on ends

4"	100	3"	75	8,07	205	CR 4030-90 R205 40R/30R MN	88 20 00 22 00
4"	100	3"	75	8,07	205	CR 4030-90 R205 45M/34M MN	88 20 00 21 00
5"	125	3"	75	8,07	205	CR 5030-90 R205 50R/30R MN	88 20 00 24 00
5"	125	3"	75	7,40	188	CR 5030-90 R188 55M/30G MN	88 20 00 65 00
5"	125	4"	100	9,84	250	CR 5040-90 R250 55M/45M MN	88 20 00 68 00
5"	125	4"	100	9,84	250	CR 5040-90 R250 50R/40R MN	88 20 00 20 00

REDUCERS

The reducers are made to various sizes, lengths and wall thicknesses, complete with weld-on ends suitable for all connecting systems: grooved, metric, raised, male-female, etc.

Quality: E355 (ST 52), API 5L-B.

On request they can be hardened for a longer life. Some sizes can be made in double wall induction hardened steel. We can make any kind of reducer according to the customer specifications.

DN1 - DN2		Wall thick.		Length		Type	Code Number	Weld-on ends
in.	mm	in.	mm	in.	mm			

RC - Reducers

2" - 1½"	50 - 38	0,218	5,54	15	381	RC 2015 381/55 20R-15R	4A210381DD	HD-HD
		0,218	5,54	39,370	1000	RC 2015 1000/55 20R-15R	4A211000DD	HD-HD
2½" - 2"	65 - 50	0,279	7,1	19,685	500	RC 2520 500/71 25G-20G	4D250500AA	Grooved-Grooved
				27,992	711	RC 2520 711/71 25R-20R	4D250711DD	HD-HD
				32,047	814	RC 2520 814/71 25R-20R	4D250814DD	HD-HD
				39,370	1000	RC 2520 1000/71 25G-20G	4D251000AA	Grooved-Grooved
3" - 2"	75 - 50	0,279	7,1	15	381	RC 3020 381/71 30R-20R	4D320381DD	HD-HD
				19,685	500	RC 3020 500/71 30G-20G	4D320500AA	Grooved-Grooved
				27,992	711	RC 3020 711/71 30R-20R	4D320711DD	HD-HD
				32,047	814	RC 3020 814/71 30R-20R	4D320814DD	HD-HD
				35	889	RC 3020 889/71 30R-20R	4D320889DD	HD-HD
				39,370	1000	RC 3020 1000/71 30G-20G	4D321000AA	Grooved-Grooved
3" - 2½"	75 - 65	0,279	7,1	19,685	500	RC 3025 500/71 30G-25G	4D330500AA	Grooved-Grooved
				32,047	814	RC 3025 814/71 30R-25R	4D330814DD	HD-HD
				35	889	RC 3025 889/71 30R-25R	4D330889DD	HD-HD
				39,370	1000	RC 3025 1000/71 30G-25G	4D331000AA	Grooved-Grooved
4" - 2"	100 - 50	0,248	6,3	19,685	500	RC 4020 500/63 45M-30G	4G420500CA	Metric-Grooved
				39,370	1000	RC 4020 1000/63 45M-30G	4G421000CA	Metric-Grooved
4" - 2½"	100 - 65	0,248	6,3	19,685	500	RC 4025 500/63 45M-30G	4G410500CN	Metric-Grooved (3")
				39,370	1000	RC 4025 1000/63 45M-30G	4G411000CN	Metric-Grooved (3")
				59,055	1500	RC 4025 1500/63 45M-30G	4G411500CN	Metric-Grooved (3")
4" - 3"	100 - 75	0,248	6,3	12	305	RC 4030 305/63 40R-30R	4G430305DD	HD-HD
				19,685	500	RC 4030 500/63 45M-30G	4G430500CA	Metric-Grooved
				27,992	711	RC 4030 711/63 40R-30R	4G430711DD	HD-HD
				32,047	814	RC 4030 814/63 40R-30R	4G430814DD	HD-HD
				35	889	RC 4030 889/63 40R-30R	4G430889DD	HD-HD
				39,370	1000	RC 4030 1000/63 45M-30G	4G431000CA	Metric-Grooved
				59,055	1500	RC 4030 1500/63 45M-30G	4G431500CA	Metric-Grooved
4" - 3.15"	100 - 80	0,248	6,3	39,370	1000	RC 4034 1000/63 45M-34M	4G441000CC	Metric-Metric
4" - 3.35"	100 - 85	0,248	6,3	39,370	1000	RC 4035 1000/63 45M-45M	4G451000CC	Metric-Metric
5" - 2½"	125 - 65	0,236	6,0	39,370	1000	RC 5025 1000/60 55M-30G	4J511000CN	Metric-Grooved (3")
5" - 3"	125 - 75	0,236	6,0	39,370	1000	RC 5030 1000/60 55M-30G	4J531000CA	Metric-Grooved
5" - 4"	125 - 100	0,236	6,0	19,685	500	RC 5040 500/60 55M-45M	4J540500CC	Metric-Metric
5" - 4"	125 - 100	0,236	6,0	39,370	1000	RC 5040 1000/60 55M-45M	4J541000CC	Metric-Metric



Other sizes on request



COUPLINGS

Forged steel couplings suitable for all connecting systems: grooved, metric, raised, male-female, etc.

Short and high lever - adjustable and not adjustable version.

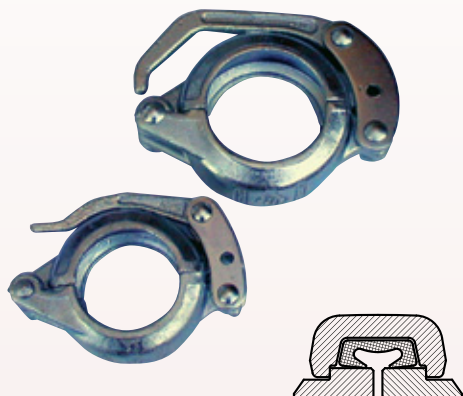
For low, medium and high pressure.

Painted or galvanized.

DN		Type	Code No.	
in.	mm			

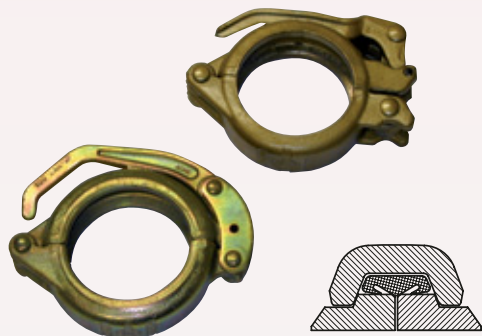
G grooved ■ M metric GU SYSTEM

2"	50	GF 20 G	02 20 3 009 60	Non Adjustable - Grooved
2½"	65	GF 25 G	02 25 3 009 60	Non Adjustable - Grooved
3"	75	GF 30 G	02 30 3 009 60	Non Adjustable - Grooved
4"	100	GF 40 G	02 40 3 009 10	Non Adjustable - Grooved
3¼"	80-97	GF 34 M	02 34 1 001 60	Non Adjustable - Metric
4"	100-114.3	GF 40 M	02 40 1 001 60	Non Adjustable - Metric
4½"	100-127	GF 45 M	02 45 1 001 60	Non Adjustable - Metric
3¼"	80-97	GR 34 M	01 34 1 001 00	Adjustable - Metric
4"	100-114.3	GR 40 M	01 40 1 001 00	Adjustable - Metric
4½"	100-127	GR 45 M	01 45 1 001 00	Adjustable - Metric



R raised GU SYSTEM ■ CONIC

1½"	38	GF 15 R	02 15 5 009 60	Non Adjustable - Raised (HD)
2"	50	GF 20 R	02 20 5 009 60	Non Adjustable - Raised (HD)
2½"	65	GF 25 R	02 25 5 009 60	Non Adjustable - Raised (HD)
3"	75	GF 30 R	02 30 5 009 60	Non Adjustable - Raised (HD)
4"	100	GF 40 R	02 40 5 009 60	Non Adjustable - Raised (HD)
3"	75	GR 30 R	01 30 5 001 00	Adjustable - Raised (HD)
4"	100	GR 40 R	01 40 5 001 00	Adjustable - Raised (HD)



Z M+F conic OR SYSTEM ■ CONIC

1½"	38	GF 15 Z	02 15 7 009 60	Non Adjustable - Male/Female
2"	50	GF 20 Z	02 20 7 009 10	Non Adjustable - Male/Female
2½"	65	GF 25 Z	02 25 7 009 10	Non Adjustable - Male/Female
3"	75	GF 30 Z	02 30 7 009 10	Non Adjustable - Male/Female
4"	100	GF 40 Z	02 40 7 009 10	Non Adjustable - Male/Female
3"	75	GR 30 Z	01 30 7 001 00	Adjustable - Male/Female
4"	100	GR 40 Z	01 40 7 001 00	Adjustable - Male/Female



Other sizes on request

WELD-ON ENDS

Various types of weld-on ends, which are welded to the end of the pipes, elbows and reducers, so that they can be joined together with couplings

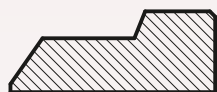
DN		Type	Code No.	
in.	mm			



GU SYSTEM ■ grooved & metric

COD G/M - Weld-on ends

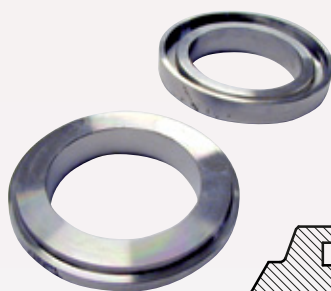
2"	50	COD 20 G	A 110 20 00	Grooved
2½"	65	COD 25 G	A 110 25 00	Grooved
3"	75	COD 30 G	A 110 30 00	Grooved
4"	100	COD 40 G	A 110 40 00	Grooved
3¼"	80-97	COD 34 M	A111 34 00	Metric
4"	100-114.3	COD 40 M	A 111 40 00	Metric
4½"	100-127	COD 45 M	A 111 45 00	Metric



GU SYSTEM ■ raised

COS R - Weld-on ends

1½"	38	COS 15 R	A 127 15 30	Raised (HD)
2"	50	COS 20 R	A 127 20 30	Raised (HD)
2½"	65	COS 25 R	A 127 25 30	Raised (HD)
3"	75	COS 30 R	A 127 30 30	Raised (HD)
4"	100	COS 40 R	A 127 40 30	Raised (HD)



OR SYSTEM ■ M+F conic

ANZ - Weld-on ends

1"	25	ANZ 15.10 P	A 161 15 00	Male/Female
1½"	38	ANZ 15 P	A 161 16 00	Male/Female
2"	50	ANZ 20 P	A 161 20 00	Male/Female
2½"	65	ANZ 25 P	A 161 25 00	Male/Female
3"	75	ANZ 30 P	A 161 30 00	Male/Female
4"	100	ANZ 40 P	A 161 40 00	Male/Female

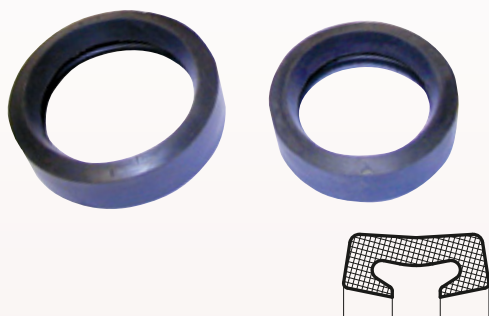
Other sizes on request



GASKETS

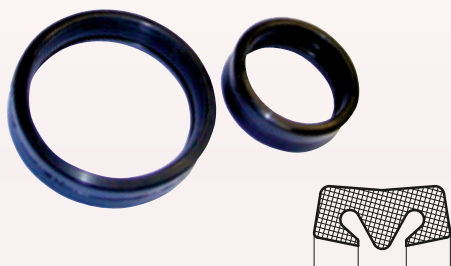
When pipes are joined with couplings, the seal is assured by a rubber gasket, which varies according to the type of connection.

DN		Type	Code No.	
in.	mm			



GU - Rubber gaskets

2"	50	GU 20	63 00 20 00 00	Grooved
2½"	65	GU 25	63 00 25 00 00	Grooved
3"	75	GU 30	63 00 30 00 00	Grooved
3¼"	80 - 97	GU 34	63 00 34 00 00	metric
4"	100 - 114,3	GU 40	63 00 40 00 00	metric
4½"	100 - 127	GU 45	63 00 45 00 00	metric

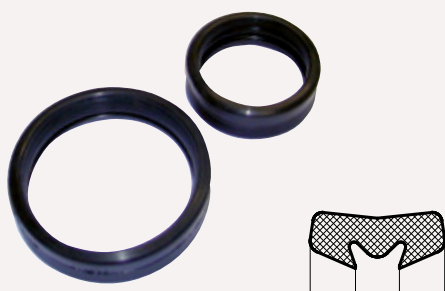


GUV - Rubber gaskets

2"	50	GUV 20	63 10 20 20 00	Grooved
2½"	65	GUV 25	63 10 25 20 00	Grooved
3"	75	GUV 30	63 10 30 20 00	Grooved
4"	100 - 114,3	GUV 40	63 10 40 20 00	metric
4½"	100 - 127	GUV 45	63 10 45 20 00	metric

GU SYSTEM ■ grooved & metric

Other sizes on request

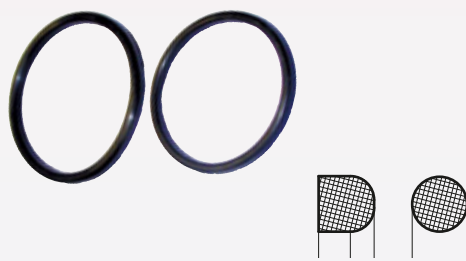


GV - Rubber gaskets

1½"	38	GV 15 R	63 20 15 20 00	Raised (HD)
2"	50	GV 20 R	63 20 20 20 00	Raised (HD)
2½"	65	GV 25 R	63 20 25 20 00	Raised (HD)
3"	75	GV 30 R	63 20 30 20 00	Raised (HD)
4"	100	GV 40 R	63 20 40 20 00	Raised (HD)

GV SYSTEM ■ raised

Other sizes on request



OR - Rubber gaskets

1½"	38	OR 15 Z	63 40 15 20 00	Male/Female
2"	50	OR 20 Z	63 40 20 20 00	Male/Female
2½"	65	OR 25 Z	63 40 25 20 00	Male/Female
3"	75	OR 30 Z	63 40 30 20 00	Male/Female
4"	100	OR 40 Z	63 40 40 20 00	Male/Female

OR SYSTEM ■ M+F conic

Other sizes on request

ITEMS FOR CLEANING PIPES

SPONGE RUBBER BALLS

The sponge rubber balls are used for cleaning pipes. They can be made in soft, medium and hard version.



Ø - O.D.		Ø Pipe		Code No.		
in.	mm	in.	mm	PS-R	PS-RM	PS-RD
				SOFT	MEDIUM	HARD
1,57	40	1,26	32	65 00 0 040 00	65 10 0 040 00	65 20 0 040 00
1,77	45	1,38	35	65 00 0 045 00	65 10 0 045 00	65 20 0 045 00
1,97	50	1,50	38	65 00 0 050 00	65 10 0 050 00	65 20 0 050 00
2,36	60	1,97	50	65 00 0 060 00	65 10 0 060 00	65 20 0 060 00
2,56	65	2,05	52	65 00 0 065 00	65 10 0 065 00	65 20 0 065 00
2,95	75	2,48	63	65 00 0 075 00	65 10 0 075 00	65 20 0 075 00
3,15	80	2,56	65	65 00 0 080 00	65 10 0 080 00	65 20 0 080 00
3,35	85	2,76	70	65 00 0 085 00	65 10 0 085 00	65 20 0 085 00
3,54	90	2,95	75	65 00 0 090 00	65 10 0 090 00	65 20 0 090 00
3,74	95	2,95	75	65 00 0 095 00	65 10 0 095 00	65 20 0 095 00
3,94	100	3,15	80	65 00 0 100 00	65 10 0 100 00	65 20 0 100 00
4,72	120	3,94	100	65 00 0 120 00	65 10 0 120 00	65 20 0 120 00

CLEANING HEADS & catching baskets

DN		Type	Code No.	Kg	LBS
in.	mm				

TDL



TDL - Cleaning heads

3"	75	TDL 30 G	70 15 30 00 1A	4,50	9,92
3.¼"	80	TDL 34 M	70 15 34 00 1C	4,53	9,99
4"	100 - 114,3	TDL 40 M	70 15 40 00 1B	6,90	15,21
4.½"	100 - 127	TDL 45 M	70 15 45 00 1C	7,20	15,87

CDL



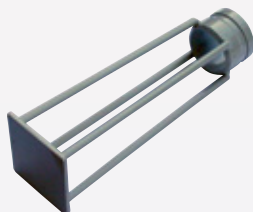
CDL - Cleaning heads

2"	50	CDL 20 G	70 19 20 00 1A	1,10	2,42
2.½"	65	CDL 25 G	70 19 25 00 1A	1,30	2,86
3"	75	CDL 30 G	70 19 30 00 1A	1,54	3,40
3.¼"	80	CDL 34 M	70 19 34 00 1C	1,57	3,46
4"	100 - 114	CDL 40 M	70 19 40 00 1B	1,83	4,03
4.½"	100 - 127	CDL 45 M	70 19 45 00 1C	2,21	4,87

Fittings and valves on request.

Other sizes on request

CST



CST - Catching baskets

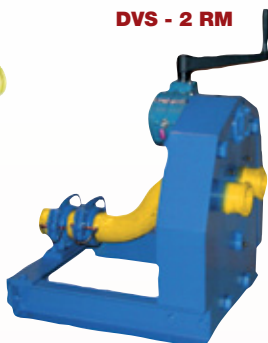
3"	75	CST 30 G	70 00 30 00 0A	5,30	11,70
4"	100 - 114	CST 40 M	70 00 40 00 0B	6,10	13,40
4.½"	100 - 127	CST 45 M	70 00 45 00 0C	7,00	14,40

Other sizes on request

DVS - M 2V



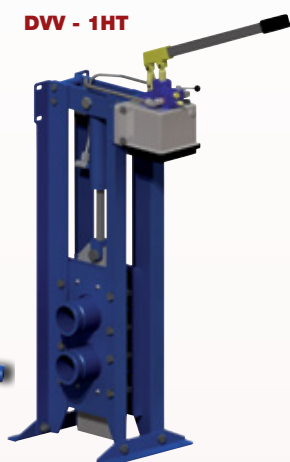
DVS - 2 RM



DVS - 4 RM



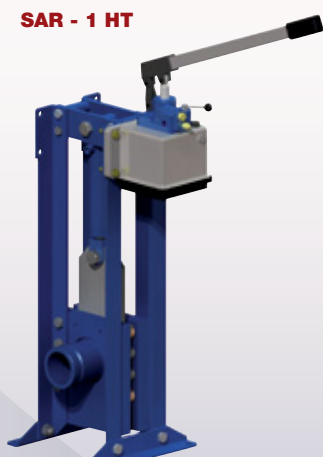
DVV - 1HT



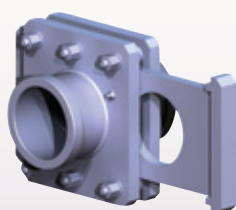
DVY - M



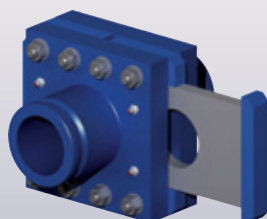
SAR - 1 HT



SAR - MBS



SAR - MT



DIVERSION VALVES SHUT-OFF VALVES

D.N.		Tipo Type	Codice Code No.
in.	mm		
DVS - M 2V			
2"	50/60	DVS 20 G - M 2V	72 00 20 00 AA
2.½"	65/73	DVS 25 G - M 2V	72 00 25 00 AA
3"	75/88.9	DVS 30 G - M 2V	72 00 30 00 AA

DVS - 2 RM		wear ring and seal	
2"	50/60	DVS 20 G - 2 RM	72 17 20 05 AA
2.½"	65/73	DVS 25 G - 2 RM	72 17 25 05 AA
3"	75/88.9	DVS 30 G - 2 RM	72 17 30 05 AA

DVS - 4 RM		wear ring and seal	
2"	50/60	DVS 20 G - 4 RM	72 06 20 05 AA
2.½"	65/73	DVS 25 G - 4 RM	72 06 25 05 AA
3"	75/88.9	DVS 30 G - 4 RM	72 06 30 05 AA

DVV - 1HT		wear ring and seal	
3"	75/88.9	DVV 30 G - 1 HT	72 50 30 20 AA
4.½"	100/127	DVV 45 M - 1 HT	72 50 45 20 CC

DVY - M		hand pump on request	
3"	75/88.9	DVY 30 G - M	72 31 30 00 AA

D.N.		Tipo Type	Codice Code No.
in.	mm		
SAR - 1HT			
3"	75/88.9	SAR 30 G - 1 HT	71 11 30 15 AA
4.½"	100/127	SAR 45 M - 1 HT	71 11 45 15 CC

SAR - MBS		low-medium pressure - wear ring and seal	
2"	50/60	SAR 20 G - MBS	71 02 20 00 AA
2.½"	65/73	SAR 25 G - MBS	71 02 25 00 AA
3"	75/88.9	SAR 30 G - MBS	71 02 30 00 AA
4.½"	100/127	SAR 45 M - MBS	71 02 40 00 CC

SAR - MT		high pressure - wear ring and seal	
2"	50/60	SAR 20 G - MT	71 06 20 00 AA
2.½"	65/73	SAR 25 G - MT	71 06 25 00 AA
3"	75/88.9	SAR 30 G - MT	71 06 30 00 AA
4.½"	100/127	SAR 45 M - MT	71 06 45 00 CC

Other sizes on request

PAMEC S.R.L.

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CALL

+39-0873-310.000

PAMEC

CONCRETE PUMPING & PLACING SYSTEMS

PRECAST CONCRETE SOLUTIONS

CONCRETE PUMPING & PLACING SYSTEMS



www.pamec.com

PLACEMENT BOOMS FOR PRECAST CONCRETE APPLICATION

Acme has been producing and innovating building machinery and equipment since 1973, quickly becoming a world leader in concrete pumping and placing technology.

Acme has also innovated solutions in the precast concrete production field, developing different models of concrete placement booms suitable for this application.

Together with standard production, Acme can also offer job-specific modifications to its machinery and equipment to custom fit any customer requirements.

DR/B – horizontal boom, fixed onto the wall or on column. It can be easily operated by hand because the two sections rotate on thrust bearings. The boom can also be operated electro-hydraulically or by remote control.

Pipeline: DN 75 (3") – DN 100 (4") – DN 125 (5")

Radius reach: 10, 12 & 16 meters.

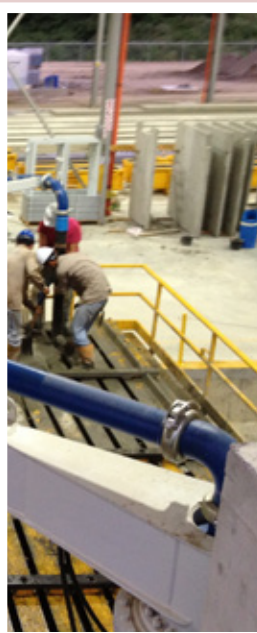
DRV/B – this boom is the evolution of the previous model and it also allows the vertical movement of the second arm.

Dimensions, radius reach and operation as for DR/B model.

BVZ & BVR – universal three arms boom, mounted on a structural steel base or on column, electro-hydraulically or by radio control operated.

Pipeline: DN 100 (4") – DN 125 (5")

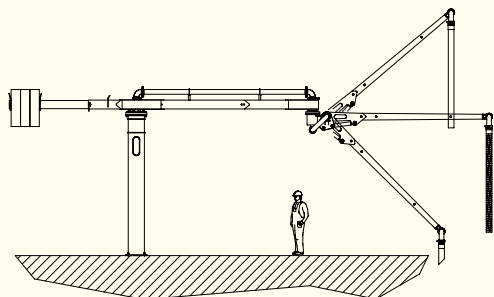
Radius reach: 10, 11 & 13 meters.



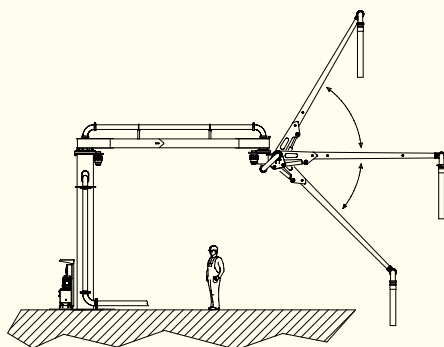


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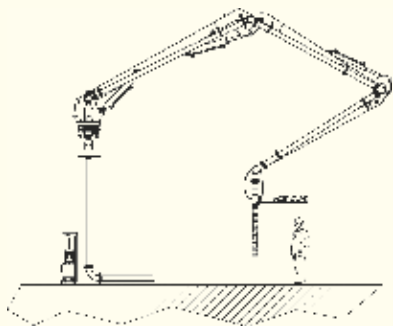
CONCRETE PUMPING & PLACING SYSTEMS



DRV 12 C with counter-weight mounted on column

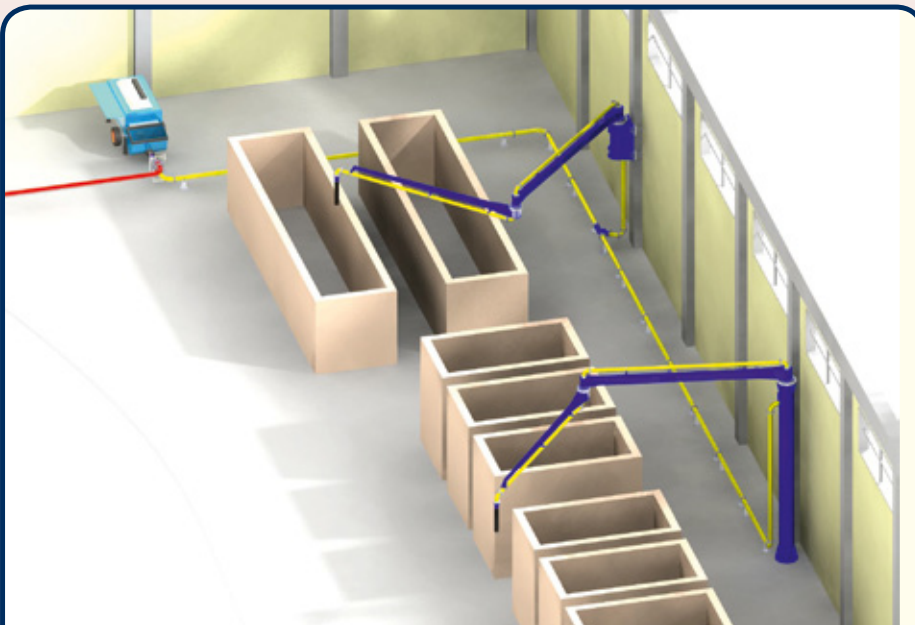


DRV 12 C with out counter-weight mounted on column



BVR 12 with out counter-weight mounted on column

Concrete casting with DR/B placing boom



Concrete placement layout in a precast concrete factory

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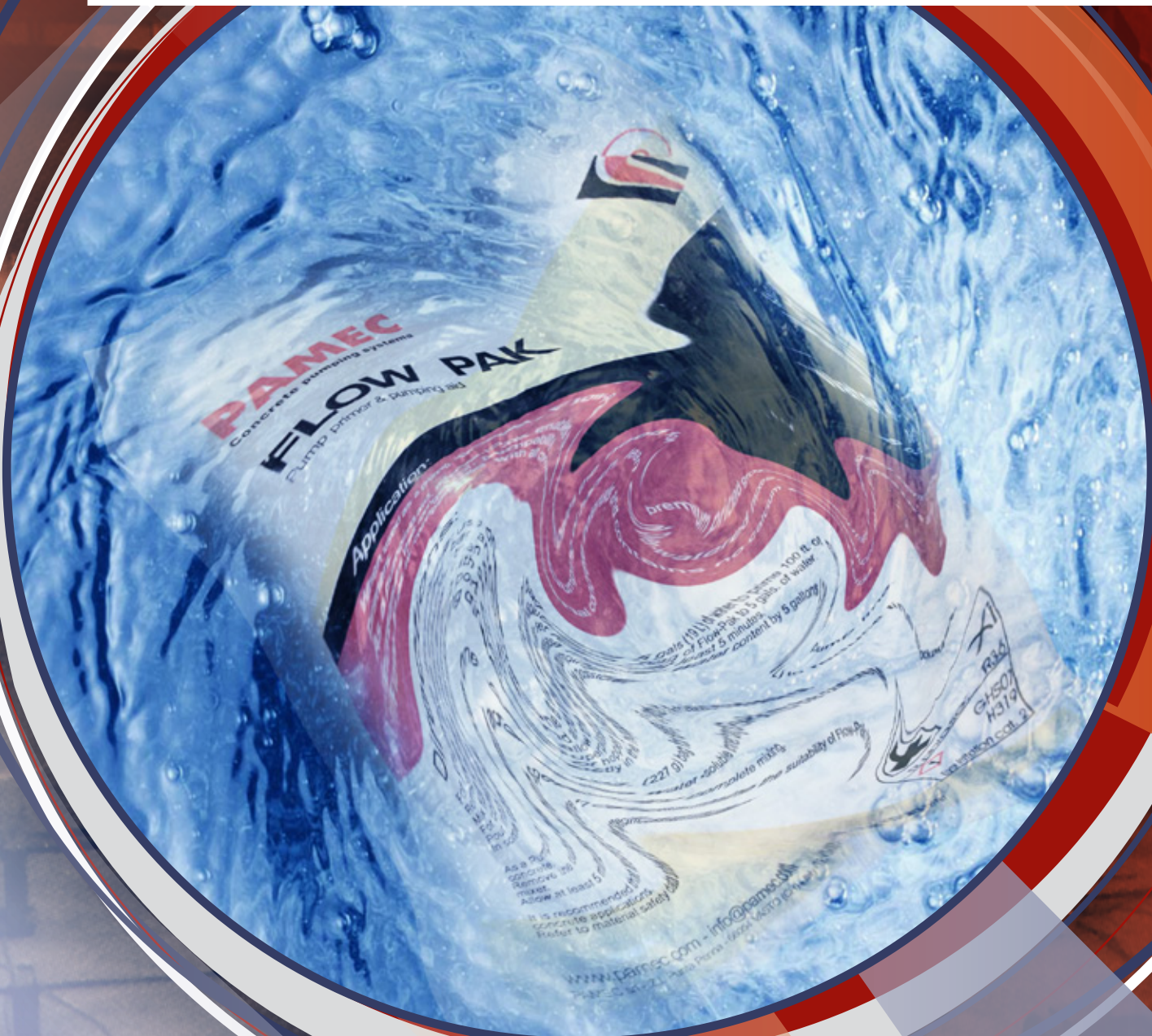
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CONCRETE PUMPING & PLACING SYSTEMS

FLOW-PAK

LUBRIFICA LA CONDOTTA E FACILITA IL POMPAGGIO
PUMP PRIMER AND PUMPING AID



www.pamec.com



IL PRODOTTO

Il Flow-Pak è una sostanza in polvere, che ha la funzione di favorire il pompaggio del calcestruzzo. Il prodotto contiene sostanze addensanti e lubrificanti e, quando viene a contatto con le pareti dei tubi, lascia su di esse un velo di acqua e di sostanze lubrificanti.

Di conseguenza, il calcestruzzo, pompato dopo il passaggio del Flow-Pak, non si disidrata e la lubrificazione delle tubazioni ne favorisce il passaggio.

Il Flow-Pak viene utilizzato sia come "pump primer", ovvero per la lubrificazione preventiva delle condotte, atta a ridurre resistenze e attriti all'inizio dei lavori, sia come sostegno al pompaggio, cioè come additivo.

È utilizzabile con i più diversi tipi di calcestruzzo, riduce la pressione lungo la linea e aumenta le prestazioni di pompaggio.

Il Flow-Pak è compatibile con tutti i componenti utilizzati nelle miscele di calcestruzzo ed è ben tollerato dall'ambiente. Non contiene né cloruro di calcio né bentonite.

È un prodotto subito pronto all'uso. È solubile in acqua ed è confezionato in buste, anch'esse solubili.

L'UTILIZZO

Come "Pump Primer".

Usare un sacchetto di Flow-Pak (227 g) e 19 litri d'acqua per lubrificare circa 32 metri di condotta Ø 125 mm.

Rimuovere l'imballo esterno e lasciare che il Flow-Pak si scioglia nel contenitore di 19 litri d'acqua, miscelando per un minuto e lasciando riposare il tutto per almeno 5 minuti.

Versare la miscela nel bocchello della curva a valle della tramoggia o nella tramoggia stessa.

Come "Additivo" e supporto al pompaggio.

Usare un sacchetto (227 g) per ogni 1-4 metri cubi pompati.

Rimuovere l'imballo esterno e aggiungere la busta solubile del Flow-Pak direttamente nella betoniera.

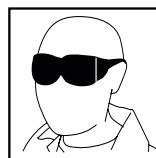
Operare 5 minuti di miscelazione veloce per permettere la corretta diffusione del prodotto.



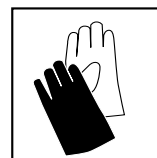
Protezioni Personali *Personal Protections*



Mascherina Antispruzzo
Dust Respirator



Occhiali Antispruzzo
Splash Goggles



Guanti
Gloves



DESCRIPTION

Flow-Pak is a dry powdered pump primer and pumping aid. It contains water thickeners and lubricating agents. As it goes through the pipes and hoses it leaves a coat of water and lubricating agents and effectively wets all surfaces.

As concrete comes behind the Flow-Pak it does not lose water and the lubrication allows it to slip through the pipe.

Flow-Pak is used both as a pump primer (it reduces wear on equipment when starting a job by lubricating the pipeline) or as a pumping aid when mixed with concrete.

It can be used with different types of concrete, reduces line pressure and increases the range of pumpability.

Flow-Pak is also environmentally safe and compatible with all conventional concrete materials. It contains no bentonite or calcium chloride.

It is a ready-to-use product. It is water-soluble and packaged in water-soluble bag.

DIRECTIONS

For Pump Priming.

Use one 8 oz. (227 g) bag in 5 gals (19 litres) of water to prime 100 ft. of 5" pump line.

Remove the outer bag and add the water-soluble bag of Flow-Pak to 5 gals. of water. Mix for one minute, then allow the mixture to set for at least 5 minutes.

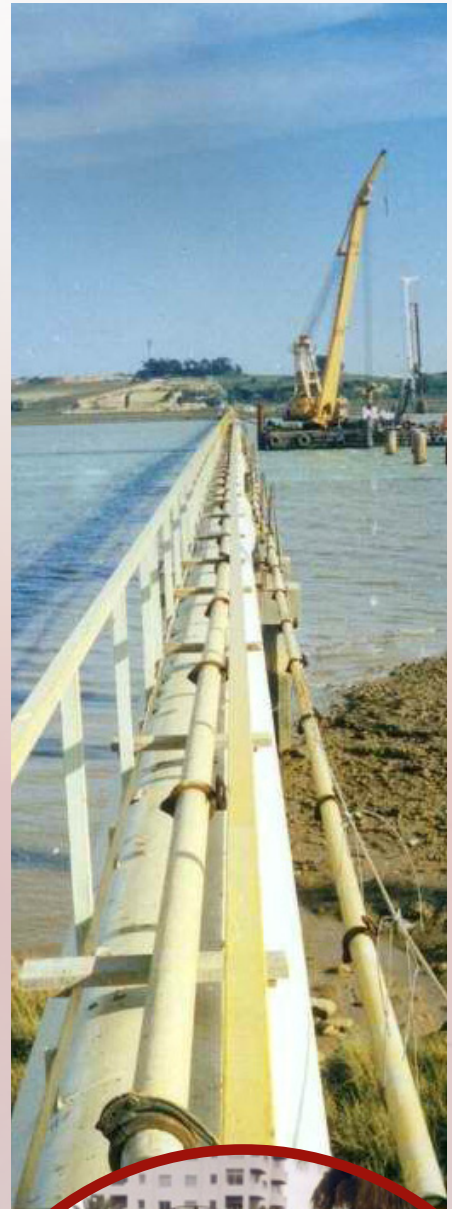
Pour Flow-Pak slurry directly into the hopper or into the intake port just prior to pumping.

As a Pumping Aid.

Use one 8 oz. (227 g) bag for every 1-5 yards (1-4 cubic meters) of concrete.

Remove the outer bag and add the water-soluble inner bag of Flow-Pak into the concrete mixer.

Allow at least 5 minutes at high speed for complete mixing.



Health Hazard: *1	<div style="display: inline-block; vertical-align: middle;"> <div style="font-size: 48pt; font-weight: bold; margin: 0;">Xi</div> <div style="display: inline-block; width: 40px; height: 40px; background-color: orange; border: 2px solid black; margin: 0 10px; text-align: center; line-height: 40px;"> <div style="font-size: 36pt; font-weight: bold; color: black; margin: 0;">X</div> </div> </div>	
Fire Hazard: 1		
Physical Hazard : 0		
	<div style="display: inline-block; vertical-align: middle;"> <div style="font-weight: bold; margin: 0;">R36 S 2</div> <div style="font-weight: bold; margin: 0;">S22 S26</div> </div>	

PAMEC

CONCRETE PUMPING & PLACING SYSTEMS



RACCOMANDAZIONI

Si raccomanda di testare preventivamente il Flow-Pak prima di utilizzarlo in specifiche applicazioni. Fare riferimento alla scheda di sicurezza materiale per ulteriori specifiche.

Quando bisogna pompare il calcestruzzo in una linea di tubazioni molto lunga, non bisogna aumentare la quantità di Flow-Pak per favorire la lubrificazione della condotta. Difatti un'alta concentrazione del prodotto potrebbe disidratare localmente il calcestruzzo e provocare l'intasamento della linea.

In questi casi si consiglia invece di aumentare la quantità d'acqua, fino a 60/80 litri per sacchetto di Flow-Pak, assicurando ugualmente sufficiente lubrificazione nella linea.

Inoltre, una semplice accortezza operativa permette di avere migliori risultati, come viene mostrato nello schema.

RECOMMENDATIONS

It is recommended that testing be done to determine the suitability of Flow-Pak to your concrete applications. Refer to material safety data sheet for other specifications

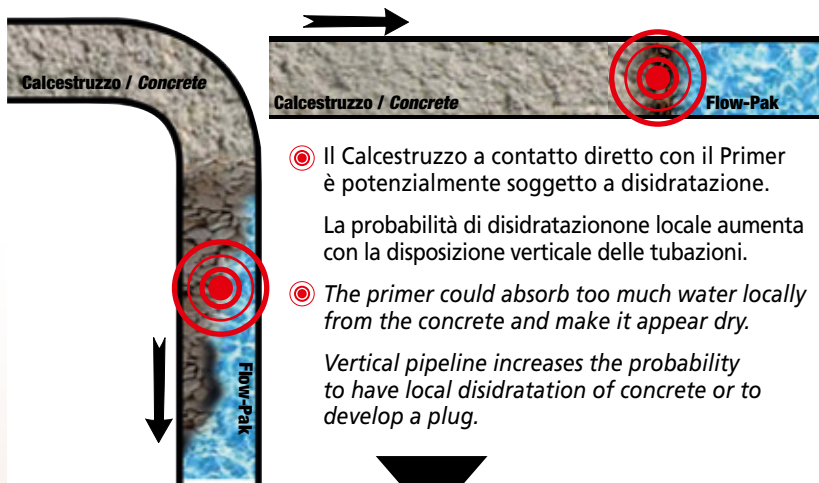
For long runs of pipe is better to have the Flow-Pak made with more water for a better lubrication.

In facts, Flow-Pak requires water to hydrate and develop lubricating thickness. If the Flow-Pak is concentrated, then it could absorb water from the concrete and make it appear dry or it could develop a plug.

With long pipelines it is better to use Flow-Pak with more water: you can use as much as 60-80 liters of water for each bag of Flow-Pak.

The following drawing also suggests a useful tip for better results when using the primer.

PROBLEMI IN CONDOTTE MOLTO LUNGHE POTENTIAL ISSUE WITH LONG PIPELINES



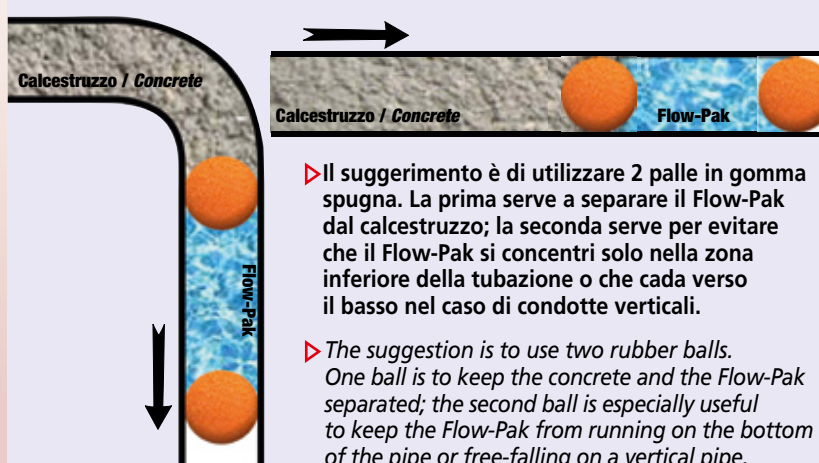
- Il Calcestruzzo a contatto diretto con il Primer è potenzialmente soggetto a disidratazione.

La probabilità di disidratazione locale aumenta con la disposizione verticale delle tubazioni.

- The primer could absorb too much water locally from the concrete and make it appear dry.

Vertical pipeline increases the probability to have local disidratazione of concrete or to develop a plug.

SOLUZIONE SOLUTION



- Il suggerimento è di utilizzare 2 palle in gomma spugna. La prima serve a separare il Flow-Pak dal calcestruzzo; la seconda serve per evitare che il Flow-Pak si concentri solo nella zona inferiore della tubazione o che cada verso il basso nel caso di condotte verticali.

- The suggestion is to use two rubber balls. One ball is to keep the concrete and the Flow-Pak separated; the second ball is especially useful to keep the Flow-Pak from running on the bottom of the pipe or free-falling on a vertical pipe.

FLOW-PAK

Tipo Type	Codice Code No.	Confezione Packing	Peso Weight
FLOW-PAK 1	99 20 10 10 15	sacchetto bag	0.227 g 8 oz.
FLOW-PAK 1S	99 20 10 10 90	secchio bucket	11.30 kg 25 lbs

Altre versioni a richiesta. Other versions on request.

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CONCRETE PUMPING & PLACING SYSTEMS

BV 08 TR MINI-BOOM

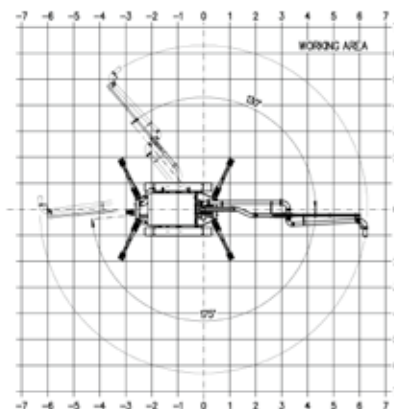
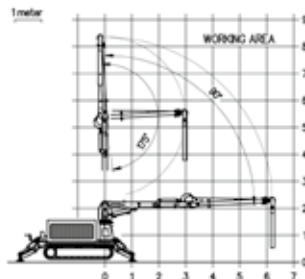
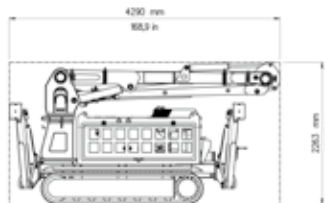
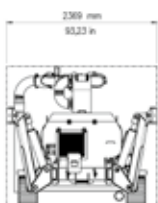
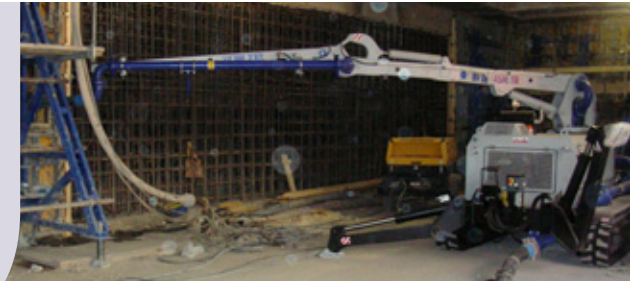
FULLY POWERED CONCRETE PLACEMENT BOOM



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CONCRETE PUMPING & PLACING SYSTEMS



BV 08 TR

Type	Code No.	Piping		R		Weight			
		D.N.				Boom only		Concrete	
		mm	in.	M	ft	Kg	Lbs	KG	Lbs
BV 08 TR - 45M	73 0 78 70 1 45 9	100/127	4,1/2"	8	26,24	4.340	9.568	250	551
BV 08 TR - 55M	73 0 78 70 1 55 9	125/148	5,1/2"	8	26,24	4.400	9.700	385	849

The boom is equipped by a gasoline engine with 31 HP power rating. Always use gasoline with a minimum of 87 octane. The boom works through a radio remote control.

By request, we could also supply the remote control cable to be used in emergency case.

Other versions on request.



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CONCRETE PUMPING & PLACING SYSTEMS

DRP 06 TR MINI-BOOM

FULLY POWERED CONCRETE PLACEMENT BOOM



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DRP 06 TR Mini-boom

The DRP 06 TR is ideal for concrete distribution over large areas, even indoors, where traditional booms have difficulty gaining access.

Mounted on a track carriage, this new type of equipment, fully powered, is operated by remote control.

The operator is able to choose the best position to maneuver the equipment in absolute safety for himself as well as for other workers in the construction area. In fact, since it is radio controlled, it is possible to move the tracks and the two boom sections autonomously.





ADVANTAGES

The track system allows the operator to move the equipment without a lifting device or crane during the placing operations.

The operator has a free range of movement and is able to choose the position offering the best visibility and greatest safety for himself and others.

The rubber hoses do not require manual handling. Mounted on the slides provided, they are dragged by the device itself.

Faster placement thanks to its 5" diameter pipeline.

Necessitates fewer workers in the operational area.

Better ergonomics for users.



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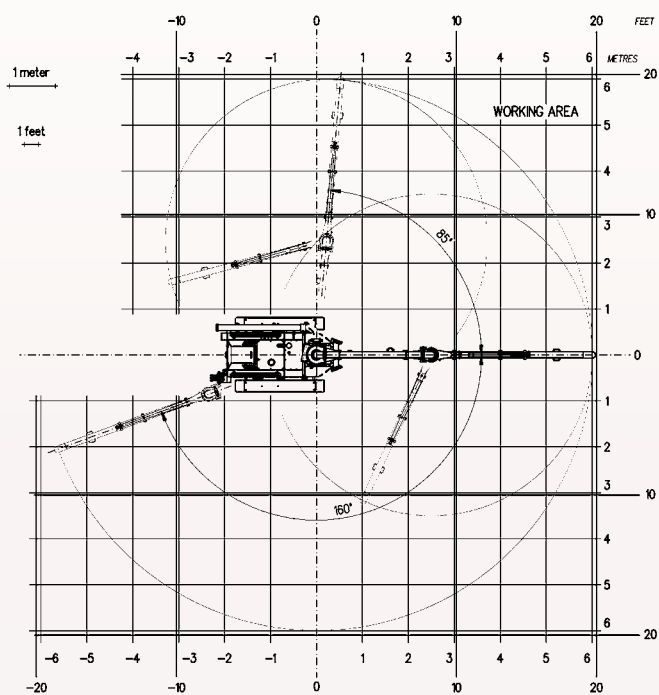
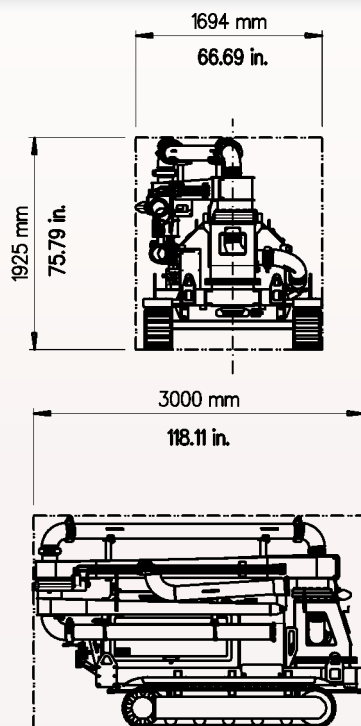
CONCRETE PUMPING & PLACING SYSTEMS

DRP 06 TR

Type	Code No.	Piping		R		Weight			
		D.N.				Boom only		Concrete	
		mm	in.	M	ft	Kg	Lbs	Kg	Lbs
DRP 06 TR - 45M	73 0 56 50 1 45 9	100/127	4,1/2"	6	19,7	2.990	6.591	195	430
DRP 06 TR - 55M	73 0 56 50 1 55 9	125/148	5,1/2"	6	19,7	3.040	6.702	300	661

The boom is equipped with a 22 hp gasoline engine. Always use 87 octane gasoline minimum.
The boom is radio remote control operated.
By request, we can also supply an additional wired control to be used in case of emergency.

Other versions on request.



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