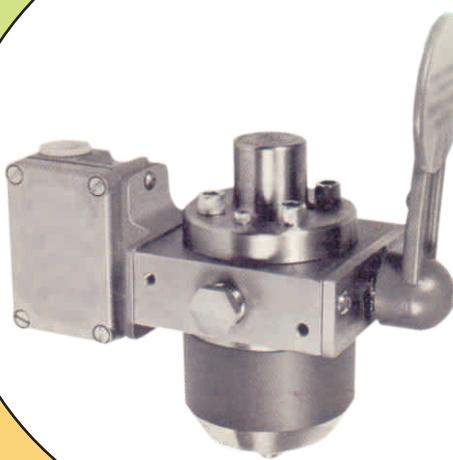
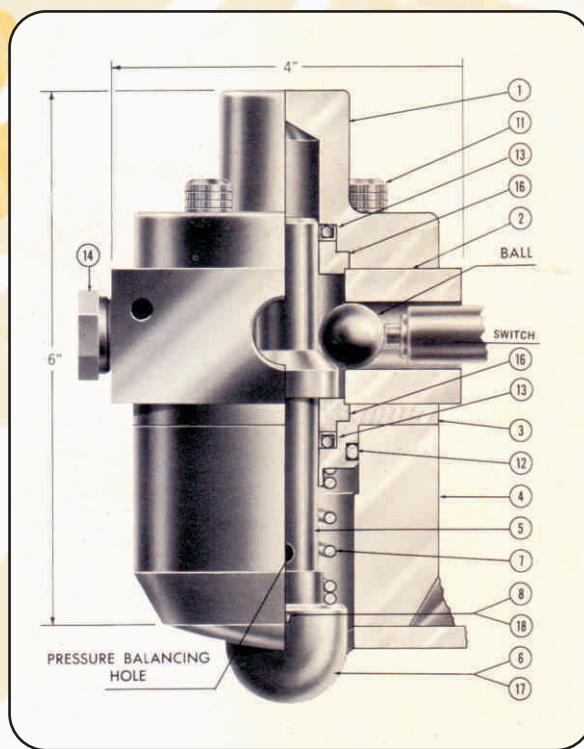


BINA PIG SIGNALER



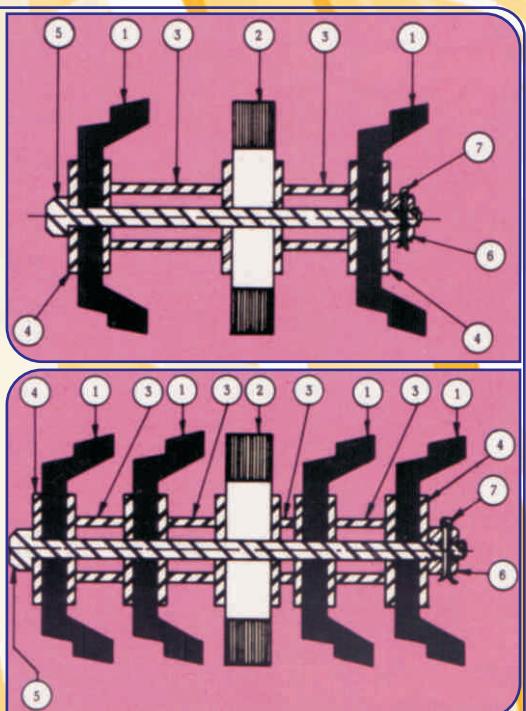
MARK X BASIC ASSEMBLY			
ITEM NO.	PART NO.	QUANTITY	DESCRIPTION
1	SH68-1	1	CAP
2	SH68-2	1	ACCESSORY PLATE
3	SH68-3	1	FLANGE
4	SH68-4	1	BASE
5	SH68-5	1	SHAFT
6	SH68-6	1	SMALL SHAFT END METER PROVER SERVICE
17	SH68-17	1	LARGE SHAFT END GENERAL PIPELINE SERVICE
7	SH68-7	1	SHAFT SPRING
8	SH68-8	1	SPRING PIN SMALL SHAFT END
18	SH68-18	1	SPRING PIN LARGE SHAFT END
9	SH68-9	2	CAP SCREW 10-24 NC X 1 1/2" (not shown)
10	SH68-10	2	CAP SCREW 10-24 NC X 7/8" (not shown)
11	SH68-11	4	CAP SCREW 3/8 - 24 NF X 3"
*12	SH68-12	1	"O" RING
*13	SH68-13	2	SHAFT SEALS
14	SH68-14	as req.	1/2" NPT HEX HEAD PIPE PLUG
15	SH68-15	1	5/16 ALLEN WRENCH FOR 3/8" SOCKET HEAD
			CAP SCREW (not shown) (to be used for pipeline installation)
16	SH68-16	2	RETAINER SEAL RING



BINA ENGINEERING COMPANY

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 Mob: 09757019234 / 9561748879 / 9004398305 • Tel.: 022-25946855
 E-mail: binaengineering1@gmail.com, bina_company2010@rediffmail.com

CLEANING PIG (2 Cups)



CLEANING PIG (4 Cups)

No.	DESCRIPTION
1	CUP
2	CIRCULAR STEEL WIRE BRUSH
3	SPACER SPOOL
4	BACK UP DISC
5	MANDREL
6	LOCK NUT
7	SPLIT PIN

BINA

BI-DIRECTIONAL CLEANING PIG

No.	DESCRIPTION
1	GUIDING DISC
2	SEALING DISCS
3	CIRCULAR STEEL WIRE BRUSH
4	SPACER SPOOL
5	MANDREL
6	LOCK NUT
7	SPLIT PIN
8	BACK UP DISCS



PIPELINE PIGS

GAUGING PIG (4 Cups)

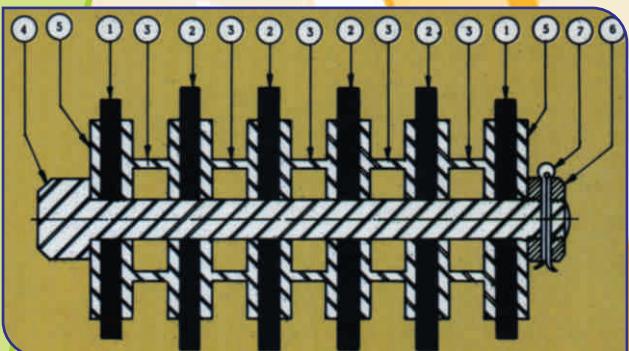
BATCHING PIG (2 Cups)

GAUGING PIG (2 Cups)

BATCHING PIG (4 Cups)

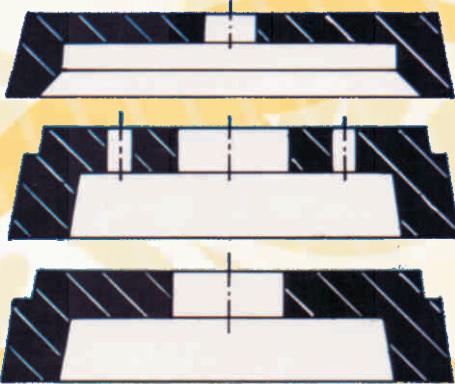
No.	DESCRIPTION
1	CUP
2	SPACER SPOOL
3	GUAGE PLATE
4	MANDREL
5	BACK UP DISC
6	LOCK NUT

No.	DESCRIPTION
1	CUP
2	CIRCULAR STEEL WIRE BRUSH
3	SPACER SPOOL
4	BACK UP DISC
5	MANDREL
6	LOCK NUT

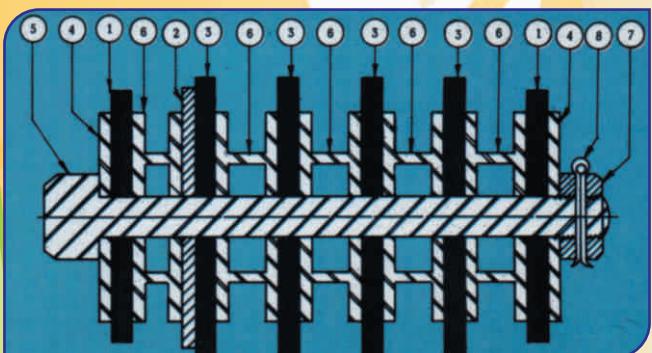


BI-DIRECTIONAL BATCHING PIG

No.	DESCRIPTION
1	GUIDING DISCS
2	SEALING DISCS
3	SPACER SPOOL
4	MANDREL
5	BACK UP DISCS
6	LOCK NUT
7	SPLIT PIN

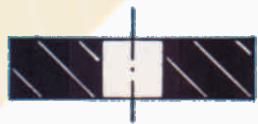


CUPS FOR PIGS



BI-DIRECTIONAL GAUGING PIG

No.	DESCRIPTION
1	GUIDING DISCS
2	GUAGE PLATE
3	SEALING DISCS
4	BACK UP DISCS
5	MANDREL
6	SPACER SPOOL
7	LOCK NUT
8	SPLIT PIN



DISCS FOR BI-DIRECTIONAL PIGS



Type P.S.C. (Polyurethane Scraper Cups) 2" - 48"

These cups, made of resilient wear resistant polyurethane, are designed to fit on standard types of pigs for pipeline cleaning. Upon request the cups can be supplied with other bolt circle and/or center hold to fit non-standard pipeline pigs.



Type SEP-3 (Separation Pigs) 16" - 48"

Description: Welded steel body with 4 polyurethane scraper cups.
Function: Designed for separation, swabbing or displacement operations.
Bends: 1.5 D radius bends. Full diameter branches.
Remarks: Can be fitted with a gauging plate and/or discs.
Can be equipped with a polyurethane protection nose.



Type P.C.C. (Polyurethane Conical Cups) 4" - 48"

These polyurethane conical cups are made of a special designed polyester polyurethane compound, with very high physical properties. The very special design with large wear surface promotes longer cup life compared to standard scraper cups. The polyurethane conical cups are easy to assemble and maintain. The 4"-14" (100mm - 350mm) range are extra equipped with cast external ribs.



Type GAU-1 (Gauging Pigs) 2" - 14"

Description: Welded steel body with 2 polyurethane scraper cups and a hard faced gauging plate
Function: Designed for construction testing and commissioning.
Bends: 1.5 D radius bends.
Remarks: Can be fitted with a steel or aluminium gauging plate
Can be equipped with a polyurethane protection nose.



Type P.S.R.D. (Polyurethane Scraper Discs) 4" - 48"

These bidirectional scraper discs, made of resilient wear resistant polyurethane, are designed to fit on standard types of pipeline bi-directional pigs. The reinforced middle center of the scraper discs prevents the active working part from tearing during the runs. Upon request the discs can be supplied with different outside diameter other bolt circle and/or center hole.



Type GAU-2 (Gauging Pigs) 16" - 48"

Description: Welded steel body with 2 polyurethane scraper cups and a hard faced gauging plate
Function: Designed for construction testing and commissioning.
Bends: 1.5 D radius bends.
Remarks: Can be fitted with a steel or aluminium gauging plate
Can be equipped with a polyurethane protection nose.



Type CLE-1 (Cleaning Pigs) 4" - 14"

Description: Welded steel body with 2 polyurethane scraper cups and 2 circular crimped wire bristle brushes.
Function: Designed for in service cleaning.
Bends: 1.5 D radius bends.
Remarks: Can be fitted with steel or nylon brushes.
Can be equipped with a polyurethane protection nose.



Type SEP-1 (Separation Pigs) 2" - 8"

Description: Compact short steel body equipped with 4 polyurethane scraper cups.
Function: Designed for separation, swabbing or displacement operations.
Bends: 4"-8" 1.5 D radius bends. Full diameter branches.
2"-3" 3 D radius bends. Full diameter branches.
Remarks: Can be fitted with a gauging plate and/or discs.
Can be equipped with a polyurethane protection nose.



Type CLE-2 (Cleaning Pigs) 16" - 48"

Description: Welded steel body with 2 polyurethane scraper cups and with brushes, either steel wire or nylon bristles.
The brush-unit are placed on spring saddles which cover 360 degrees inside pipewall and guarantee superior cleaning
Function: Designed for in service cleaning.
Bends: Most effective in lines with 3D radius bends
Remarks: Can be equipped with a polyurethane protection nose.



Type SEP-2 (Separation Pigs) 10" - 14"

Description: Welded steel body with 4 polyurethane scraper cups.
Function: Designed for separation, swabbing or displacement operations.
Bends: 1.5 D radius bends. Full diameter branches.
Remarks: Can be fitted with a gauging plate and/or discs.
Can be equipped with a polyurethane protection nose.





Type CLE-2 (Cleaning Pigs) 16" - 48"

Description:

Welded steel body with 3 polyurethane scraper cups and with brushes, either steel wire or nylon bristles. The brush-unit are placed on spring saddles which cover 360 degrees inside pipewall and guarantee superior cleaning

Function:

Designed for in service cleaning.

Bends:

Most effective in lines with 3D radius bends

Remarks:

Can be equipped with a polyurethane protection nose.



Type C.S.P. 2 (Long run conical separation Pigs) 16" - 48"

Description:

Welded steel body with a polyurethane protection nose equipped with 2 polyurethane conical drive cups. These conical pigs are equipped with spring steel fingers on the inside of the cups which assures that no bypass occurs between pipewall and the cuplips. They also provides tighter wall seal and continued wall contact.

Function:

Designed to operate for long distance runs either separation, swabbing or displacement and testing.

Will seal in, out of round pipe, providing a continuous seal.

Bends: 1.5 D radius bends.

Remarks: Can be fitted with a gauging plate.



Type C.C.P. 1 (Long run conical cleaning pigs) 4" - 14"

Description:

Welded steel body with a polyurethane protection nose equipped with 2 polyurethane conical drive cups and 2 circular crimped wire bristle brushes.

Function:

Designed to operate for long distance cleaning runs

Bends:

Most effective in lines with 3D radius bends

Remarks:

Can be equipped with steel wire or nylon brushes.



Type C.C.P. 2 (Long run conical cleaning pigs) 16" - 48"

Description:

Welded steel body with a polyurethane protection nose equipped with 2 polyurethane conical drive cups and with brushes, either steel wire or nylon bristles.

The brush-units are placed on spring saddles which cover 360 degrees inside pipewall and guarantee an utmost cleaning

Function:

Designed to operate for long distance cleaning runs

Bends:

Most effective in lines with 3D radius bends.



Type C.C.P. 3 (Long run conical cleaning pigs) 16" - 48"

Description:

Welded steel body with a polyurethane protection nose equipped with 2 polyurethane conical drive cups and with brushes, either steel wire or nylon bristles.

The blade-units are placed on spring saddles which cover 360 degrees inside pipewall and guarantee an utmost cleaning

Function:

Designed to operate for long distance cleaning runs

Bends:

Most effective in lines with 3D radius bends.



Type BID-1 (Bi-directional Pigs) 4" - 14"

Description:

Welded steel body with 4 polyurethane scraper disc.

Function:

Filling and emptying, hydrostatic testing and special bi-directional applications.

Bends:

3 D radius bends.

Remarks:

Can be equipped with a polyurethane protection nose.



Type N.M.F. 4 (Non Metallic Flexipig) 3" - 16"

Description:

Casted polyurethane body equipped with 4 polyurethane scraper cups

Function:

Designed for special separation, swabbing and displacement operations whereby metal to metal contact must be prevented.

Bends:

1.5 D radius bends. Full diameter branches.

Remarks:

Can be fitted with nylon brushes.



Type N.M.F. 6 (Non Metallic Flexipig) 3" - 16"

Description:

Casted polyurethane body equipped with 6 polyurethane scraper cups

Function:

Designed for special separation, swabbing and displacement operations whereby metal to metal contact must be prevented.

Bends:

1.5 D radius bends. Full diameter branches.

Remarks:

Can be fitted with nylon brushes.



Type C.S.P. 1 (Long run conical separation Pigs) 4" - 14"

Description:

Welded steel body with a polyurethane protection nose equipped with 2 polyurethane conical drive cups

Function:

Designed to operate for long distance runs either separation, swabbing or displacement and testing.

Will seal in, out of round pipe, providing a continuous seal.

Bends:

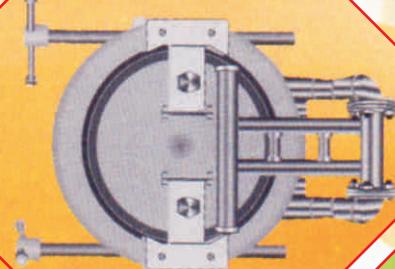
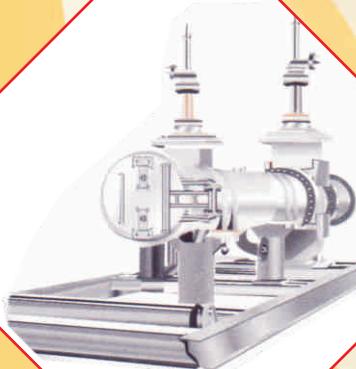
1.5 D radius bends.

Remarks:

Can be fitted with a gauging plate.

BINA

PIG LAUNCHER AND RECEIVERS



PIG LAUNCHER AND RECEIVERS

BINA Pig Launchers and Receivers are simple in design, safe in operation and made from field proven equipment.

The Receivers can be designed to facilitate receipt of two or more pigs simultaneously without having to open the barrel. From our experience this becomes necessary at time during batching operations.

BINA BRAND END CLOSURES

BINA end closures are designed to accommodate dual clamp lock with tell-tale port for detection of leakage if any. The safety feature incorporate a mechanical locking device which prevents the operator from opening the barrel till it is completely depressurised. The Opening and closing of the barrel is easy, smooth and quick. The mechanism incorporates two square threaded studs made of alloy steel for strength and long life

BINA WIRELINE TOOLS



PEAR DROP
ROPE SOCKET



BLIND BOX



IMPRESSION
BOX



TUBING END
LOCATOR



DISC & SPRING
ROPE SOCKET



STEM BAR



LEAD FILLED
BAR



TUBING
SWAGE



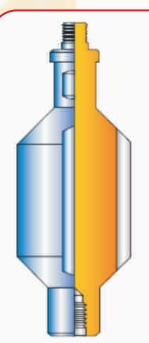
TUBING
BROACH



SAMPLE BAILER
(FLAPPER TYPE)



SAMPLE BAILER
(BALL TYPE)



FLUTED
CENTRALISER

Sometimes referred to as sinker bar, stem is used to provide additional weight to the tool string which may be required to run into the well bore against high-pressure and stuffing box friction.

Increasing the stem weight increases the impact force delivered by a jar.

Flats for wrenches are provided and should be used, never grip on the fishing neck or this will damage the sharp edges.

All connections should be clean and dry. Do not lubricate down hole threads since they may unscrew down hole during extended jarring.

The stem is available in standard lengths of 2 ft, 3 ft and 5 ft.

BINA ENGINEERING COMPANY

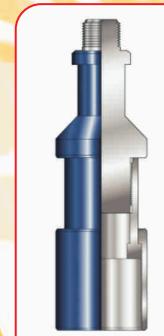
P-1, Ghosh Niwas, Pandavkund, Nardas Nagar, Bhandup (W), Mumbai - 400 078

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E-mail: bina_company2010@rediffmail.com



SKIRTED MAGNET



SKIRTED MAGNET



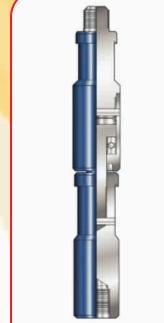
QUICK CONNECT



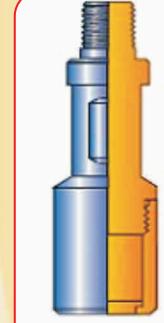
WIRE FINDER



SOLID FINDER



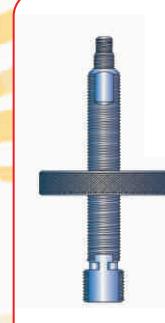
SWIVEL JOINT



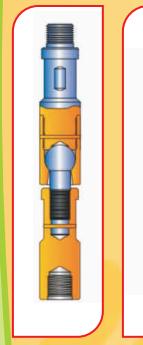
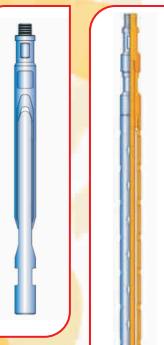
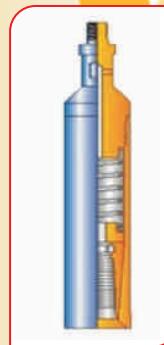
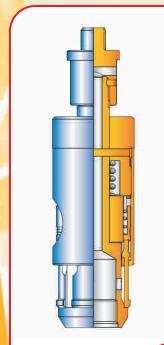
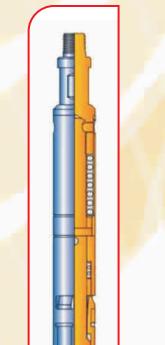
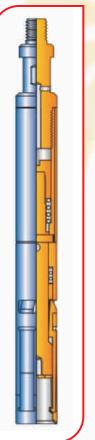
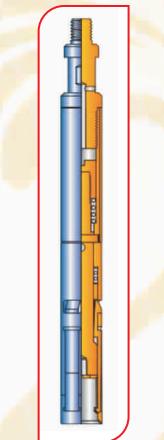
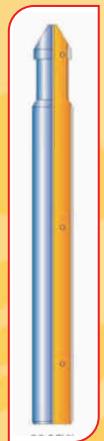
FISHING MAGNET



CROSSOVER

PINNING
TOOLSRELEASING
TOOLS

GU ADAPTER

KNUCKLE
JOINT
(THREAD
TYPE)KNUCKLE
JAR
(FORGED
TYPE)ROLLER
STEMSPANG
JARTABULAR
JARWIRELINE
OVERSHOTGS PULLING
TOOLR PULLING
TOOLS PULLING
TOOLUNIVERSAL
PULLING
TOOLFLAT
BOTTOM
GO DEVILANGLE
BOTTOM
GO DEVILROLLER
GO DEVILWIRELINE
GRABCENTER
SPEARWIRE
FINDER
GRAB