LEADING THE WAY IN CONCRETE PUMPING SYSTEMS





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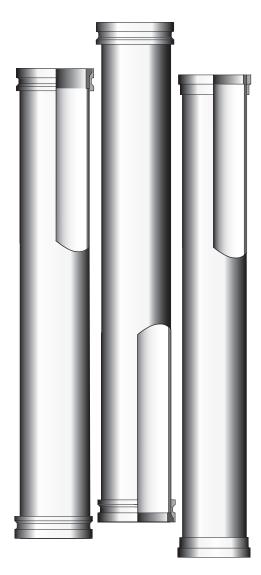
## XL-92

## **TOTAL SYSTEM PERFORMANCE**

To view complete systems solutions. refer to the colored tabs throughout this catalog.

Your concrete pumping system is only as strong as its parts. So be sure that every component – from the backend kit to the tip hose – is consistent Con Forms quality. We've made it easy by developing eight complete, performance-matched systems keyed to the boom pipe. And all components meet or exceed CPMA standards.

Whether your need is for maximum performance, lowest purchase cost, or any intermediate cost / performance combination, Con Forms has the ideal system for you!



TW325 Our longest lasting 4.8" ID Twin-Wall™ System features a 3.25mm wear-resistant boom pipe liner (the industry's thickest by a full 30%), chrome carbide insert (CCI) weld ends, elbows, reducers and backend kit. Meets weight requirements for standard booms.

TW275 Our most versatile 4.8" ID Twin-Wall™ System utilizes a 2.75mm wear-resistant boom pipe liner and meets weight requirements for 4.8" ID weight restricted booms.

TW462 Our 4.6" ID Twin-Wall™ System utilizes a 2.0 mm wearresistant boom pipe liner and meets weight requirements for 4.6" ID weight restricted booms.

TW250 Features the industry's thickest liner in a 4.4" ID system for weight restricted booms.

ULTRA PLUS Our extended life single-wall system. Ultra Plus boom and deck pipe is hardened through a multiple heat treating process and offers CCI weld ends, elbows, reducers and backend kit. Available in 4.8" or 4.4" diameter.

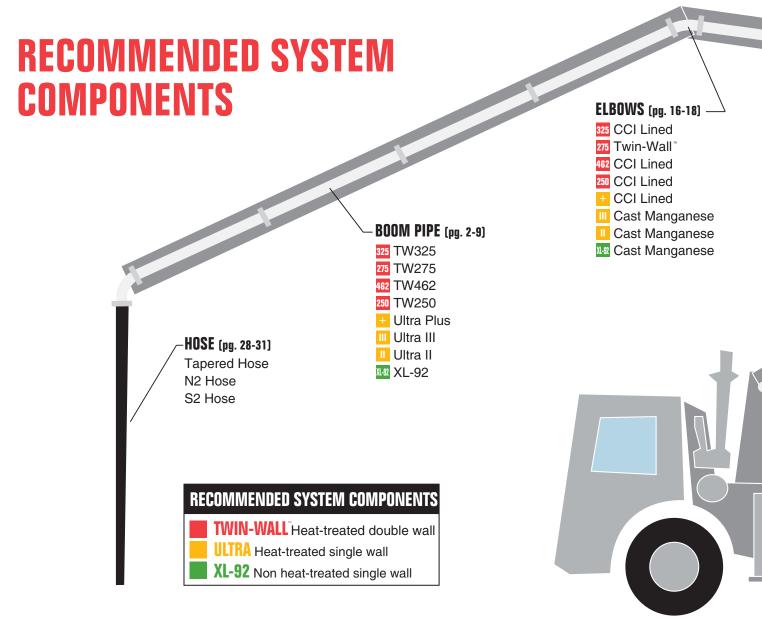
ULTRA III Heat treated single-wall system in 4.8" diameter, utilizing CCI weld ends with cast manganese elbows, backend kit and hardened steel reducers.

ULIRA II Similar to Ultra III system, except with hardened steel lined weld ends. Available in 4.8" diameter.

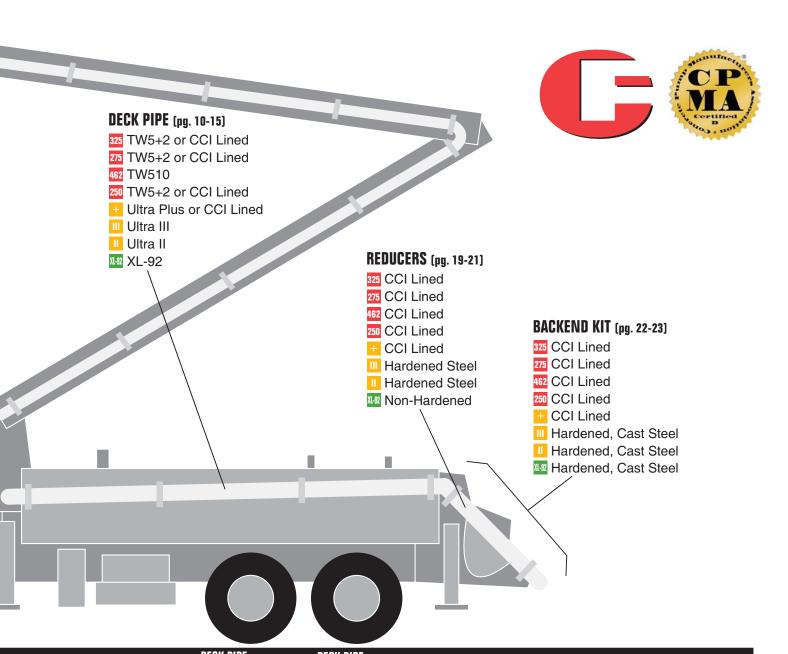
**XL-92** Our least expensive, non-heat treated 4.8" ID system. Not designed for demanding applications or long life requirements.







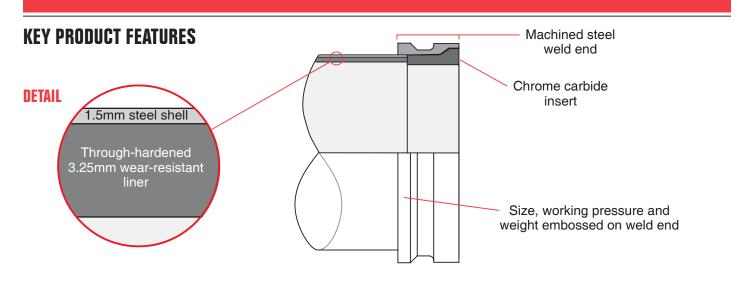
SYSTEM	WALL TYPE	HEAT TREATING	SYSTEM SIZE	BOOM PIPE	BOOM PIPE Wall Thickness	BOOM PIPE Weld ENDS	
TW325	Twin-Wall	Induction Heat Treated	4.8" ID	TW325	3.25mm + 1.5mm	*CCI Lined	
TW275	Twin-Wall	Induction Heat Treated	4.8" ID	TW275	2.75mm + 1.5mm	CCI Lined	
TW462	Twin-Wall	Induction Heat Treated	4.6" ID	TW462	2.0mm + 1.5mm	CCI Lined	
TW250	Twin-Wall	Induction Heat Treated	4.4" ID	TW250	2.50mm + 1.5mm	CCI Lined	
Ultra Plus	Single-Wall	Multiple Heat Treating Process	4.8" ID	Ultra Plus	.194" Wall (4.9mm)	CCI Lined	
oitia rius	Single-Wall	Multiple Heat Treating Process	4.4" ID	Ultra Plus	.177" Wall (4.5mm)	CCI Lined	
Ultra III	Single-Wall	Induction Heat Treated	4.8" ID	Ultra III	.194" Wall (4.9mm)	CCI Lined	
Ultra II	Single-Wall	Induction Heat Treated	4.8" ID	Ultra II	.194" Wall (4.9mm)	Hardened Steel Lined	
XL-92	Single-Wall	Non-Heat-Treated	4.8" ID	XL-92	7 gauge (.180 / 4.6mm)	Steel Ends	



DECK PIPE	WALL THICKNESS	WELD ENDS	ELBOWS	REDUCERS	BACKEND KIT	
TW5+2 (4.8" ID)	5.0mm + 2.0mm	*CCI Lined	*CCI Lined	*CCI Lined	*CCI Lined	
CCI Lined (4.8" ID)	7.5mm	COI LINEU	GOI Lilled	COI Lilled	COLLINEA	
TW5+2 (4.8" ID) 5.0mm + 2.0mm		CCI Lined	CCI Lined			
CCI Lined (4.8" ID)	7.5mm	CCI Lined	i wiii-vvaii	COI LINE	Corcined	
TW510 (4.6" ID)	5.1mm + 2.0mm	CCI Lined	CCI Lined	CCI Lined	CCI Lined	
TW5+2 (4.8" ID)	5.0mm + 2.0mm	CCI Lined	CCI Lined	CCI Lined	CCI Lined	
CCI Lined (4.8" ID)	7.5mm	CCI Lined	COI Lilled	COI Linea	OOI LIIIeu	
Ultra Plus (4.8" ID)	.261" (6.6mm)	CCI Lined	CCI Lined	CCI Lined	CCI Lined	
CCI Lined (4.8" ID)	7.5mm	OOI EIIICU	OOI LINEG	OOI LING	OOI LINEU	
Ultra Plus (4.8" ID)	.261" (6.6mm)	CCI Lined	CCI Lined	CCI Lined	CCI Lined	
CCI Lined (4.8" ID)	7.5mm	OOI Lilled	COI Lilled COI Lilled		OOI LINEU	
Ultra III (4.8" ID)	.261" (6.6mm)	CCI Lined	Cast Manganese	Hardened Steel	Hardened, Cast Steel	
Ultra II (4.8" ID)	.261" (6.6mm)	Hardened Steel Lined	Cast Manganese	Hardened Steel	Hardened, Cast Steel	
XL-92 (4.8" ID)	.261" (6.6mm)	Steel Ends	Cast Manganese	Steel	Hardened, Cast Steel	

## TW325 BOOM PIPE

Heat Treated Twin-Wall™ Boom Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe TW325

Heat Treatment Induction hardened

System ID 4.8" ID boom system

Wall Thickness 3.25mm + 1.5mm

Hardness Up to 68HRc

Weld Ends Steel with chrome carbide insert

Pipe Weight 29.5 lbs/ft

(Filled with concrete) Meets weight requirements for standard booms.

## OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TW325 SYSTEM

CCI Lined Deck Pipe (see page 10) or TW5+2 Deck Pipe (see page 11)

CCI Lined Elbows (see page 16)

CCI Lined Reducers (see page 19)

CCI Backend Kit (see page 22)

Refer to the hardness profile chart on back inside cover for more information.

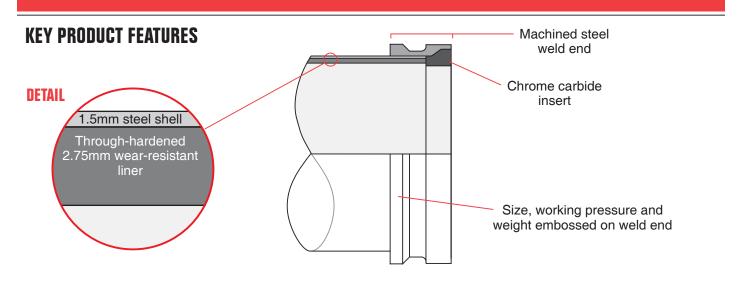
#### TWIN-WALL™ BOOM TUBE (3.25mm + 1.5mm)

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	35	B48TW3937M
4.8	78.75	2000	71	B48TW7875M
4.8	118.12	3000	106	B48TWB812M
4.8	157.50	4000	142	B48TWF750M
4.8	Make up length	(consult factory)		B48TWM

## TW275 BOOM PIPE

Heat Treated Twin-Wall™ Boom Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe TW275

Heat Treatment Induction hardened

System ID 4.8" ID boom system

Wall Thickness 2.75mm + 1.5mm

Hardness Up to 68HRc

Weld Ends Steel with chrome carbide insert

Pipe Weight 28.3 lbs/ft

(Filled with concrete) Meets weight requirements for 4.8" ID weight restricted booms.

#### TWIN-WALL™ BOOM TUBE (2.75mm + 1.5mm)

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	32	B48TWL3937M
4.8	78.75	2000	63	B48TWL7875M
4.8	118.12	3000	95	B48TWLB812M
4.8	157.50	4000	126	B48TWLF750M
4.8	Make up length	(consult factory)		B48TWLM

Other lengths are available upon request. Consult factory. Refer to page 46 for part number guide.

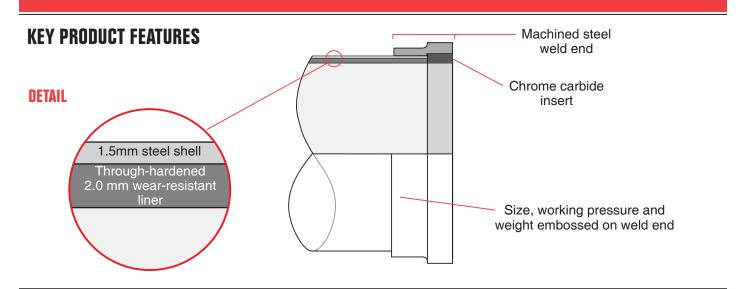
#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TW275 SYSTEM

CCI Lined Deck Pipe (see page 10) or TW5+2 Deck Pipe (see page 11) Twin Wall™ 275 Elbows (see page 17) CCI Lined Reducers (see page 19) CCI Backend Kit (see page 22)

Refer to the hardness profile chart on back inside cover for more information.

# TW462 BOOM PIPE

Heat Treated Twin-Wall™ Boom Pipe for 4.6" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe TW462 **Heat Treatment** Induction hardened System ID 4.6" ID boom system Wall Thickness 2.0 mm + 1.5mm Hardness Up to 68HRc Weld Ends Steel with chrome carbide insert 24.5 lbs/ft Pipe Weight (Filled with concrete) Meets weight requirements for

some weight restricted booms.

Check OEM system requirements.

#### OTHER RECOMMENDED COMPONENTS **FOR A COMPLETE TW462 SYSTEM**

CCI Lined Deck Pipe (see page 10) or TW5+2 Deck Pipe (see page 11) or TW510 Deck Pipe (see page 11) CCI Lined Elbows (see page 16) CCI Lined Reducers (see page 19) CCI Backend Kit (see page 22)

Refer to the hardness profile chart on back inside cover for more information.

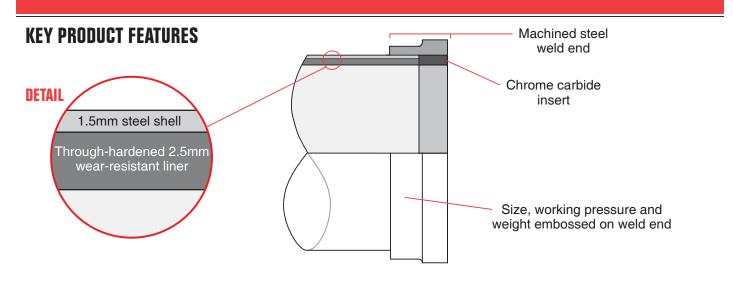
#### TWIN-WALL™ BOOM TUBE (2.0mm + 1.5mm)

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.6	39.37	1000	27	B46TWUL3937M
4.6	78.75	2000	52	B46TWUL7875M
4.6	118.12	3000	75	B46TWULB812M
4.6	157.50	4000	99	B46TWULF750M
4.6	Make up length	(consult factory)		B46TWULM

## TW250 BOOM PIPE

Heat Treated Twin-Wall™ Boom Pipe for 4.4" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

TW250 Pipe **Heat Treatment** Induction hardened System ID 4.4" ID boom system Wall Thickness 2.50mm + 1.5mm Hardness Up to 68HRc Weld Ends Steel with chrome carbide insert Pipe Weight 24.5 lbs/ft

(Filled with concrete) Meets weight requirements for

4.4" ID weight restricted booms.

#### **OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TW250 SYSTEM**

CCI Lined Deck Pipe (see page 10) or TW5+2 Deck Pipe (see page 11)

CCI Lined Elbows (see page 16)

CCI Lined Reducers (see page 19)

CCI Backend Kit (see page 22)

Refer to the hardness profile chart on back inside cover for more information.

#### TWIN-WALL™ BOOM TUBE (2.50mm + 1.5mm)

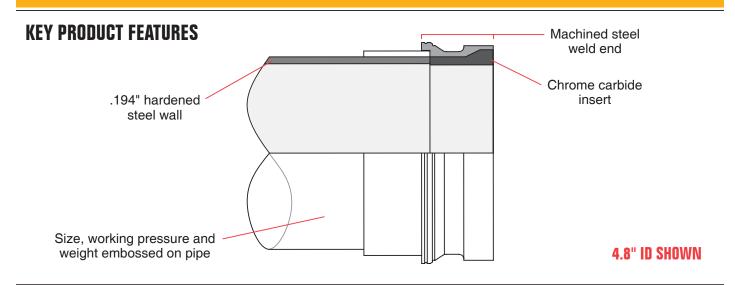
with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.4	39.37	1000	28	B44TW3937M
4.4	78.75	2000	56	B44TW7875M
4.4	118.12	3000	85	B44TWB812M
4.4	157.50	4000	112	B44TWF750M
4.4	Make up length	(consult factory)		B44TWM



## ULTRA PLUS BOOM PIPE

Heat Treated Single-Wall Boom Pipe for 4.8" and 4.4" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe Ultra Plus

Heat Treatment Multiple heat treating process

System ID 4.8" and 4.4" ID boom systems

Well Thickness 4.8" – 104" well

Wall Thickness 4.8" = .194" wall (nominal) 4.4" = .177" wall (nominal)

Hardness Up to 68HRc

Weld Ends 4.8" = Steel with chrome

carbide insert

4.4" = Steel with chrome

carbide insert

Pipe Weight 4.8" = 29.5 lbs/ft(Filled with concrete) 4.4" = 24.5 lbs/ft

## OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA PLUS SYSTEM

CCI Lined Deck Pipe (see page 10) Ultra Plus Deck Pipe (see page 12) CCI Lined Elbows (see page 16) CCI Lined Reducers (see page 19) CCI Backend Kit (see page 22)

Refer to the hardness profile chart on back inside cover for more information.

#### **ULTRA PLUS 4.8" ID BOOM TUBE**

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	37	BC573937MH
4.8	78.75	2000	73	BC577875MH
4.8	118.12	3000	110	BC57B812MH
4.8	157.50	4000	147	BC57F750MH
4.8	Make up length	(consult factory)		BC57MH

Other lengths are available upon request. Consult factory. Refer to page 46 for part number guide.

#### **ULTRA PLUS 4.4" ID BOOM TUBE**

with 148mm chrome carbide insert (CCI) ends

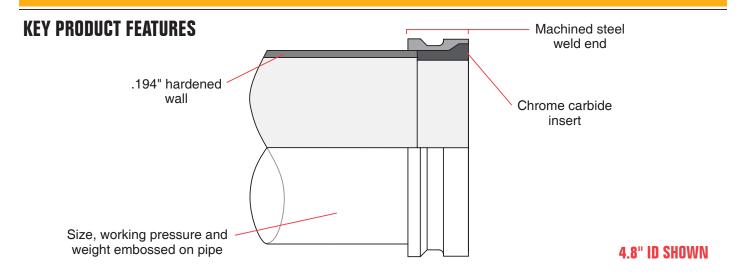
ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.4	39.37	1000	30	BC4473937MH
4.4	78.75	2000	60	BC4477875MH
4.4	118.12	3000	91	BC447B812MH
4.4	157.50	4000	121	BC447F750MH
4.4	Make up length	(consult factory)		BC447MH

Other lengths are available upon request. Consult factory. Refer to page 46 for part number guide.

Representative parts indicated. For additional information or to place an order, please call **800-223-3676** 

## ULTRA III BOOM PIPE

Heat Treated Single Wall Boom Pipe 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe Ultra III

Heat Treatment Induction hardened

System ID 4.8" ID boom system

Wall Thickness .194" wall (nominal)

Hardness Up to 57HRc

Weld Ends Steel with chrome carbide insert

Pipe Weight 29.5 lbs/ft

(Filled with concrete)

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA III SYSTEM

Ultra III Deck Pipe (see page 13)
Cast Manganese Elbows (see page 18)
Hardened Steel Reducers (see page 20)
Hardened, Cast Steel Backend Kit
(see page 23)

Refer to the hardness profile chart on back inside cover for more information.

#### **ULTRA III 4.8" ID BOOM TUBE**

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (Ibs)	Part Number
4.8	39.37	1000	35	B4873937MH
4.8	78.75	2000	71	B4877875MH
4.8	118.12	3000	106	B487B812MH
4.8	157.50	4000	141	B487F750MH
4.8	Make up length	(consult factory)		B487MH

Other lengths are available upon request. Consult factory. Refer to page 46 for part number guide.

#### ULTRA III 4.4" ID BOOM TUBE

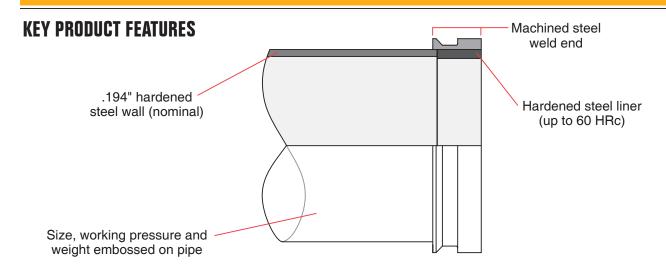
with 148mm Slip-over weld ends

Shippi ID (in)	ng Length (in)	Length (mm)	Weight (lbs)	Part Number
4.4	39.37	1000	30	B4473937MH
4.4	78.75	2000	60	B4477875MH
4.4	118.12	3000	91	B447B812MH
4.4	157.50	4000	121	B447F750MH
4.4	Make up length	(consult factory)		B447MH



## **ULTRA II** BOOM PIPE

Heat Treated Single-Wall Boom Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe Ultra II

Heat Treatment Heat treated

System ID 4.8" ID boom system Wall Thickness .194" wall (nominal)

Hardness Up to 57HRc

Weld Ends Steel with hardened

steel liner (up to 60 HRc)

Pipe Weight 29.5 lbs/ft

(Filled with concrete)

### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA II SYSTEM

Ultra II Deck Pipe (see page 14)
Cast Manganese Elbows (see page 18)
Hardened Steel Reducers (see page 20)
Hardened, Cast Steel Backend Kit
(see page 23)

Refer to the hardness profile chart on back inside cover for more information.

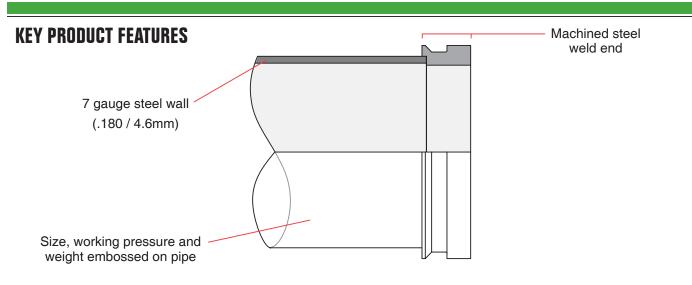
#### **ULTRA II 4.8" ID BOOM TUBE**

with 148mm hardened steel liner ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	35	B5073937MH
4.8	78.75	2000	71	B5077875MH
4.8	118.12	3000	106	B507B812MH
4.8	157.50	4000	141	B507F750MH
4.8	Make up length	(consult factory)		B507MH

## XL-92 BOOM PIPE

Single-Wall Boom Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe XL-92

Heat Treatment Non-heat-treated
System ID 4.8" ID boom system
Wall Thickness 7 gauge (.180 / 4.6mm)

Weld Ends Steel ends
Pipe Weight 29.5 lbs/ft

(Filled with concrete)

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE XL-92 SYSTEM

XL-92 Deck Pipe (see page 15)
Cast Manganese Elbows (see page 18)
Hardened Steel Reducers (see page 20)
Hardened, Cast Steel Backend Kit
(see page 23)

Refer to the hardness profile chart on back inside cover for more information.

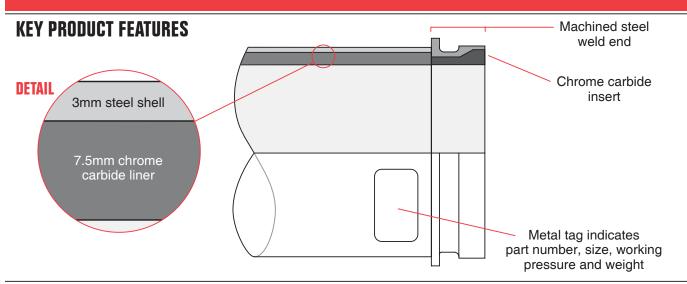
#### **XL-92 4.8" ID BOOM TUBE**

with 148mm steel ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	36	B5073937M
4.8	78.75	2000	72	B5077875M
4.8	118.12	3000	108	B507B812M
4.8	157.50	4000	144	B507F750M
4.8	Make up length	(consult factory)		B507M

## CCI-LINED DECK PIPE

4.8" Deck Pipe Lined with Chrome Carbide for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe CCI lined deck pipe
System ID 4.8" ID deck pipe
Wall Thickness 7.5mm chrome
carbide insert
Weld Ends Steel with chrome
carbide insert

Pipe Weight 42.2 lbs/ft

(Filled with concrete)

## OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TW SYSTEM

Twin-Wall™ Boom Pipe (see pages 2-5)
UltraPlus Boom Pipe (see pages 6)
CCI Lined Elbows (see page 16)
CCI Lined Reducers (see page 19)
CCI Backend Kit (see page 22)

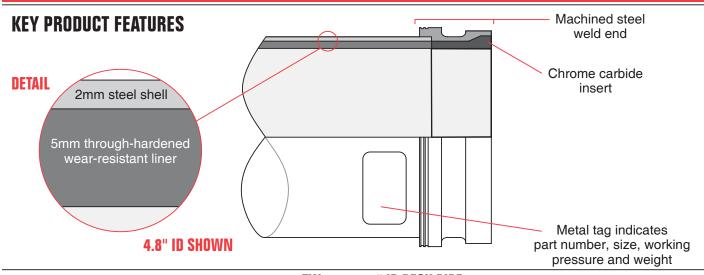
#### **CCI LINED 4.8" ID DECK PIPE**

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	77	BCC543937M
4.8	78.75	2000	153	BCC547875M
4.8	118.12	3000	230	BCC54B812M
4.8	157.50	4000	308	BCC54F750M
4.8	Make up length	(consult factory)		BCC54M

# TWIN-WALL DECK PIPE

Heat Treated Twin-Wall™ Deck Pipe for 4.8", 4.6" and 4.4" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe	TW5+2/ TW510 /TW530
Heat Treatment	Induction hardened
System ID	4.8", 4.6" and 4.4"
Wall Thickness	4.8" = 5mm + 2mm
	4.6" = 5.1mm + 2mm
	4.4" = 5.3mm + 2mm
Hardness	Up to 68HRc

Weld Ends Steel with chrome carbide insert

Pipe Weight 4.8" = 37.0 lbs/ft (Filled with concrete) 4.6" = 32.2 lbs/ft 4.4" = 29.5 lbs/ft

## OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TW SYSTEM

Twin-Wall™ Boom Pipe (see pages 2-5) CCI Lined Elbows (see page 16) CCI Lined Reducers (see page 19) CCI Backend Kit (see page 22)

#### TW5+2 4.8" ID DECK PIPE

with	with 148mm chrome carbide insert (CCI) ends					
ID (in)	Length (in)	Length (mm)	Weight (lbs)	Part Number		
4.8	39.37	1000	65	B5XW3937M		
4.8	78.75	2000	131	B5XW7875M		
4.8	118.12	3000	196	B5XWB812M		
4.8	157.50	4000	261	B5XWF750M		
4.8	Make up length	(consult factory)		B5XWM		

#### TW510 4.6" ID DECK PIPE

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Weight (lbs)	Part Number
4.6	39.37	1000	54	B46XW3937M
4.6	78.75	2000	102	B46XW7875M
4.6	118.12	3000	151	B46XWB812M
4.6	157.50	4000	199	B46XWF750M
4.6	Make up length	(consult factory)		B46XWM

#### TW530 4.4" ID DECK PIPE

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Weight (lbs)	Part Number
4.4	39.37	1000	47	B44XW3937M
4.4	78.75	2000	94	B44XW7875M
4.4	118.12	3000	141	B44XWB812M
4.4	157.50	4000	188	B44XWF750M
4.4	Make up length	(consult factory)		B44XWM

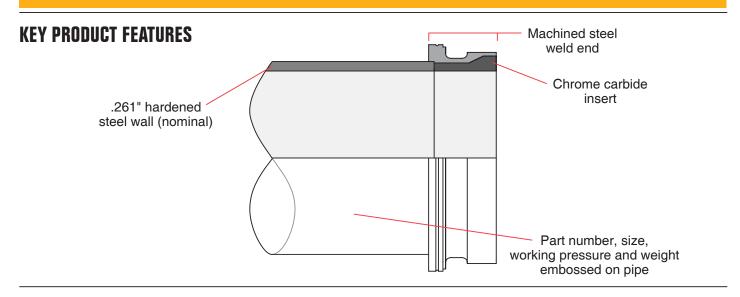
Other ends and lengths are available upon request. Consult factory. Refer to page 46 for part number guide.



Representative parts indicated.

# ULTRA PLUS DECK PIPE

Heat Treated Single-Wall Deck Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe Ultra Plus

**Heat Treatment** Multiple heat treating

process

System ID 4.8" ID deck pipe

.261" wall Wall Thickness Hardness Up to 68HRc Weld Ends Steel with chrome

carbide insert

Pipe Weight 33.5 lbs/ft

(Filled with concrete)

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA PLUS SYSTEM

Ultra Plus Boom Pipe (see page 6) CCI Lined Elbows (see page 16) CCI Lined Reducers (see page 19) CCI Backend Kit (see page 22)

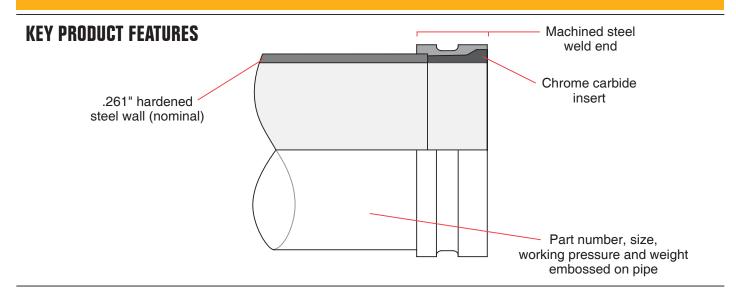
#### **ULTRA PLUS 4.8" ID DECK PIPE**

with 148mm metric chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	52	BC543937MH
4.8	78.75	2000	104	BC547875MH
4.8	118.12	3000	156	BC54B812MH
4.8	157.50	4000	208	BC54F750MH
4.8	Make up length	(consult factory)		BC54MH

## **ULTRA III** DECK PIPE

Heat Treated Single-Wall Deck Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe Ultra III

Heat Treatment Induction hardened System ID 4.8" ID deck pipe

Wall Thickness .261" wall
Hardness Up to 57HRc
Weld Ends Steel with chrome carbide insert

Pipe Weight 33.5 lbs/ft

(Filled with concrete)

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA III SYSTEM

Ultra III Boom Pipe (see page 7)
Cast Manganese Elbows (see page 18)
Hardened Steel Reducers (see page 20)
Hardened, Cast Steel Backend Kit
(see page 23)

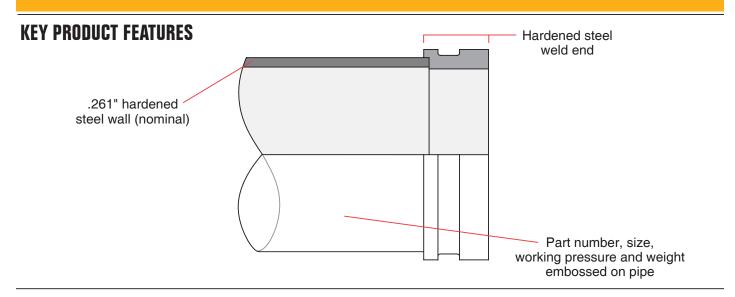
#### **ULTRA III 4.8" ID DECK PIPE**

with 148mm chrome carbide insert (CCI) ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	52	B4843937MH
4.8	78.75	2000	104	B4847875MH
4.8	118.12	3000	156	B484B812MH
4.8	157.50	4000	208	B484F750MH
4.8	Make up length	(consult factory)		B484MH

## ULTRA II DECK PIPE

Heat Treated Single-Wall Deck Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe Ultra II

Heat Treatment Induction hardened System ID 4.8" ID deck pipe

System ID 4.8" ID deck pipe
Wall Thickness .261" wall
Hardness Up to 57HRc
Weld Ends Hardened steel
Pipe Weight 33.5 lbs/ft

(Filled with concrete)

### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA II SYSTEM

Ultra II Boom Pipe (see page 8)
Cast Manganese Elbows (see page 18)
Hardened Steel Reducers (see page 20)
Hardened, Cast Steel Backend Kit
(see page 23)

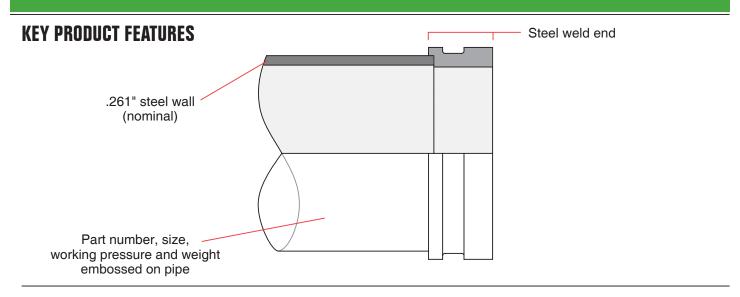
#### **ULTRA II 4.8" ID DECK PIPE**

with 148mm hardened steel ends

ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	52	B5043937MH
4.8	78.75	2000	104	B5047875MH
4.8	118.12	3000	156	B504B812MH
4.8	157.50	4000	208	B504F750MH
4.8	Make up length	(consult factory)		B504MH

## XL-92 DECK PIPE

Single-Wall Deck Pipe for 4.8" Concrete Pumping Systems



#### **KEY PIPE SPECIFICATIONS AT A GLANCE**

Pipe XL-92

Heat Treatment Non-heat-treated System ID 4.8" ID deck pipe

Wall Thickness .261" wall
Weld Ends Steel weld ends

Pipe Weight 33.5 lbs/ft

(Filled with concrete)

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE XL-92 SYSTEM

XL-92 Boom Pipe (see page 9)
Cast Manganese Elbows (see page 18)
Hardened Steel Reducers (see page 20)
Hardened, Cast Steel Backend Kit
(see page 23)

#### XL-92 4.8" ID DECK PIPE

with 148mm steel ends

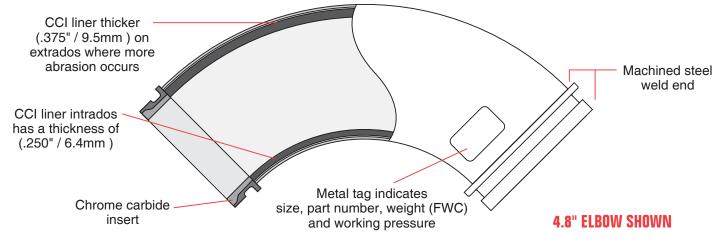
ID (in)	Length (in)	Length (mm)	Shipping Weight (lbs)	Part Number
4.8	39.37	1000	52	B5043937M
4.8	78.75	2000	104	B5047875M
4.8	118.12	3000	156	B504B812M
4.8	157.50	4000	208	B504F750M
4.8	Make up length	(consult factory)		B504M



## CCI LINED ELBOWS

Steel Elbows Lined with a Chrome Carbide Insert





#### **KEY ELBOW SPECIFICATIONS AT A GLANCE**

Elbow CCI lined
Hardness 600 to 650 Brinell
System ID 4.8", 4.6" and 4.4"
Wall Thickness 4.8" Biased toward
highest wear areas
Elbow Bend Angles From 5° to 90°
Weight Varies depending
on degree of bend

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TWIN-WALL™ OR ULTRA PLUS SYSTEM

Twin-Wall™ Boom Pipe (see pages 2-5) or Ultra Plus Boom Pipe (see page 6)
CCI Lined Deck Pipe (see page10) or Twin-Wall™ Deck Pipe (see page 11) or Ultra Plus Deck Pipe (see page 12)

CCI Lined Reducers (see page 19) CCI Backend Kit (see page 22)

#### 4.8" ID BOOM ELBOWS - CHROME CARBIDE LINED

with chrome carbide insert (CCI) ends

Degree of Angle	ID (in)	Shipping Weight (lbs)	Part Number
15	4.8	10	265M09564
20	4.8	11	265M11123
30	4.8	13	265M11012
32.5	4.8	17	265M11753
45	4.8	17	265M10491
90	4.8	34	265M09166

#### 4.6" ID BOOM ELBOWS — CHROME CARBIDE LINED

with chrome carbide insert (CCI) ends

Degree of Angle	ID (in)	Shipping Weight (lbs)	Part Number
15	4.6	11	265M16603
20	4.6	11.5	265M16447
30	4.6	13.5	265M16446
45	4.6	19	265M17062
90	4.6	30.5	265M16442

#### 4.4" ID BOOM ELBOWS — CHROME CARBIDE LINED

with chrome carbide insert (CCI) ends

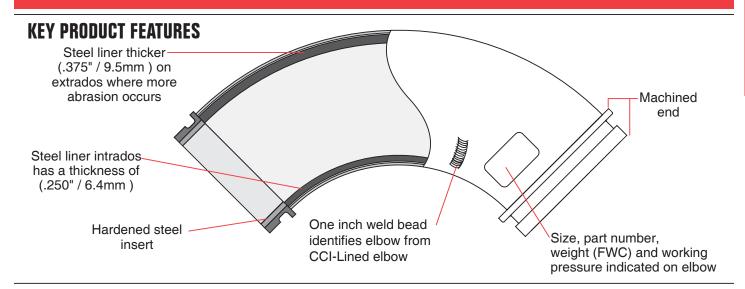
Degree of Angle	ID (in)	Shipping Weight (lbs)	Part Number
30	4.4	13	265M16304
32.5	4.4	17	265M16387
45	4.4	16	265M12522
90	4.4	28	265M12518

Other weld ends and bend angles are available upon request. Consult factory.

Representative parts indicated. For additional information or to place an order, please call **800-223-3676** 

## TWIN-WALL 275 ELBOWS

Steel Elbows lined with a Hardened Steel insert for 4.8" ID systems



#### **KEY ELBOW SPECIFICATIONS AT A GLANCE**

Elbow Cast Alloy Steel Lined Hardness Up to 55-60 HRc

System ID 4.8"

Elbow Bend Angles From 5° to 90° Weight Varies depending on

degree of bend

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TW275 SYSTEM

TW275 Boom Pipe (see page 3)
Deck Pipe (see page 11)
CCI Lined Reducers (see page 19)
CCI Backend Kit (see page 22)

#### 4.8" ID BOOM ELBOWS — HARDENED CAST STEEL LINER

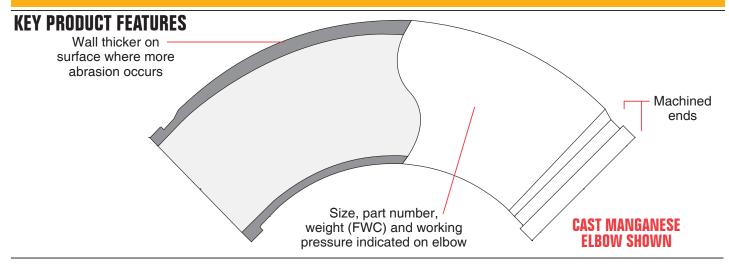
with hardened steel insert ends

Degree of Angle	e ID (in)	Shipping Weight (lbs)	Part Number
10	4.8	8	275M11157
15	4.8	10	275M09564
20	4.8	11	275M11123
30	4.8	13	275M11012
32.5	4.8	17	275M11753
45	4.8	17	275M10491
90	4.8	34	275M09166

Other weld ends and bend angles are available upon request. Consult factory.

## SINGLE-WALL ELBOWS

Cast Manganese Elbows and Hardened Cast Steel Elbows for 4.8" ID Systems



#### **KEY ELBOW SPECIFICATIONS AT A GLANCE**

Elbow Cast manganese /

Cast steel

System ID 4.8"

Wall Thickness Biased toward highest

wear areas

Elbow Bend Angles From  $5^{\circ}$  to  $90^{\circ}$ 

Weight Varies depending

on degree of bend

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA III, ULTRA II OR XL-92 SYSTEM

Boom Pipe (see pages 7-9) Deck Pipe (see pages 12-15)

Hardened Steel Reducers (see page 20) Hardened, Cast Steel Backend Kit

(see page 23)

#### 4.8" ID BOOM ELBOWS — HEAT TREATED CAST MANGANESE

with machined Metric ends

Degree of Angle	ID (in)	Shipping Weight (lbs)	Part Number
15	4.8	9	127P09564
20	4.8	11	127P11123
30	4.8	11.5	127P11012
32.5	4.8	18	127P11753
45	4.8	18	127P11136
90	4.8	34	127P09166

Other weld ends and bend angles are available upon request. Consult factory.

#### 4.8" ID BOOM ELBOWS — HEAT TREATED CAST MANGANESE

with machined ends

Degree of Angle	ID (in)	Shipping Weight	Part Number	
90	4.8	Hevi-Duty ends	37	127P11050
90	4.8	Short Radius / Metric ends	27	127P11158

#### 4.8" ID BOOM ELBOWS — HARDENED CAST STEEL

with chrome carbide insert (CCI) ends

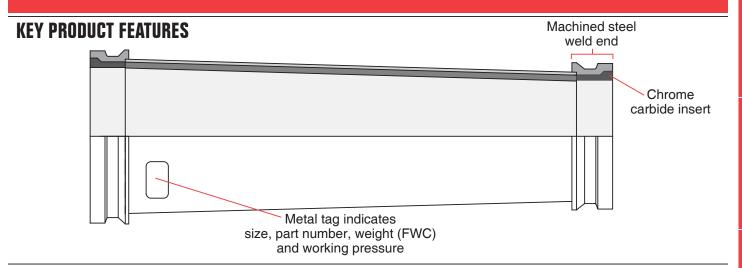
Degree of Angle	ID (in)	Shipping Weight (lbs)	Part Number
15	4.8	10	127M09564H
20	4.8	11	127M11123H
30	4.8	15	127M11012H
32.5	4.8	23	127M11753H
45	4.8	19	127M10491H

Other weld ends and bend angles are available upon request. Consult factory.

Representative parts indicated. For additional information or to place an order, please call **800-223-3676** 

# CCI LINED BOOM REDUCERS

5.75" to 4.8", 5.75" to 4.6" and 4.8" to 4.4" Reducers Lined with a Chrome Carbide Insert



#### **KEY REDUCER SPECIFICATIONS AT A GLANCE**

CCI lined Reducer

Hardness 600 to 650 Brinell Weld Ends Steel with chrome

carbide insert

Reducer Lengths Varies Weight Varies

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TWIN-WALL™ OR **ULTRA PLUS SYSTEM**

Twin-Wall™ Boom Pipe (see pages 2-5) or Ultra Plus Boom Pipe (see page 6)

CCI Lined Deck Pipe (see page 10) or Twin-Wall™ Deck Pipe (see page 11) or Ultra Plus Deck Pipe (see page 12)

CCI Lined Elbows (see page 16)

CCI Backend Kit (see page 22)

#### 5.75" TO 4.8" CCI LINED REDUCERS

with 148mm metric chrome carbide insert (CCI) ends

Length (in)	Length (mm)	Inlet End (5.75" ID)	Outlet End (4.8" ID)	Shipping Weight (lbs)	Part Number
47.25	1200	Male ZX	Metric	96	120-11673
48.81	1240	Female Euro	Metric	97	120-09494
50.75	1290	Female Euro	Metric	101	120-14218
52.37	1330	Female Euro	Metric	104	120-09959
63.0	1600	Female Euro	Metric	124	120-11475
118.12	3000	Female Euro	Metric	239	120-09113

#### 5.75" TO 4.6" CCI LINED REDUCERS

with 148mm metric chrome carbide insert (CCI) ends

Length	Length	Inlet End	Outlet End	Shipping	
(in)	(mm)	(5.75" ID)	(4.6" ID)	Weight (lbs)	Part Number
47.25	1200	Male ZX	Metric	98	120-16611

#### 4.8" TO 4.4" CCI LINED REDUCERS

with 148mm metric chrome carbide insert (CCI) ends

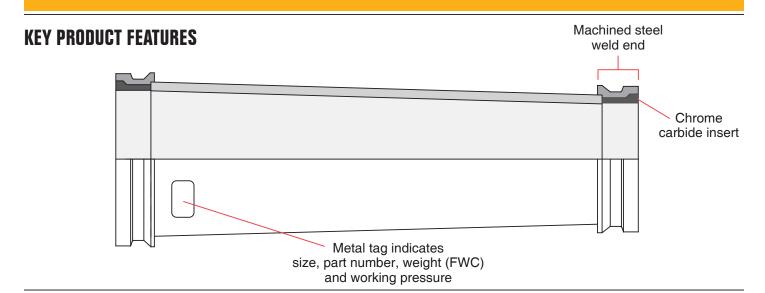
Length (in)	Length (mm)	Inlet End (4.8" ID)	Outlet End (4.4" ID)	Shipping Weight (lbs)	Part Number
39.37	1000	Metric	Metric	75.5	120-11971
118.12	3000	Metric	Metric	147	120-13169

Other diameters, end styles and lengths are available upon request. Consult factory.



## HARDENED STEEL REDUCERS

5.75" to 4.8" Reducers Made from Induction Hardened Steel



#### **KEY REDUCER SPECIFICATIONS AT A GLANCE**

Reducer Hardened steel
Heat Treatment Heat treated
Weld Ends Steel with chrome
carbide insert

Reducer Lengths Varies Weight Varies

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA III, ULTRA II OR XL-92 SYSTEM SYSTEM

Boom Pipe (see pages 7-9)
Deck Pipe (see pages 13-15)
Cast Manganese Elbows (see page 18)
Hardened, Cast Steel Backend Kit
(see page 23)

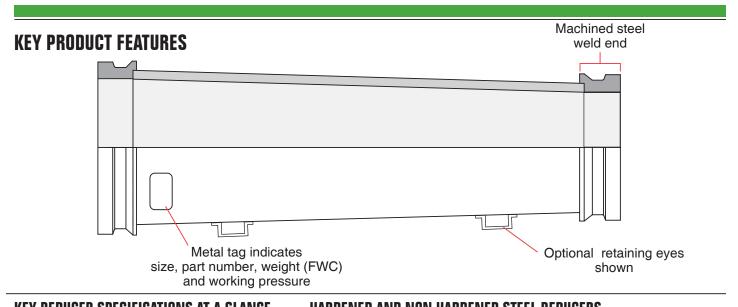
#### 5.75" TO 4.8" HARDENED STEEL REDUCERS

Length (in)	Length (mm)	Inlet End (5.75" ID)	Outlet End (4.8" ID)	Shipping Weight (lbs)	Part Number
47.25	1200	SK	148mm Metric	86	115-10858H
47.25	1200	Male ZX	148mm Metric	81	115-11673H
48.81	1240	Female Euro	148mm Metric	85	115-09494H
50.75	1290	Female Euro	148mm Metric	88	115-14218H
52.37	1330	Female Euro	148mm Metric	90	115-09959H
63.00	1600	Female Euro	148mm Metric	108	115-11475H
65.00	1651	Female Euro	148mm Metric	110	115-13369H
100.00	2540	Female Euro	148mm Metric	135	115-10078H
118.12	3000	Female Euro	148mm Metric	164	115-09113H

Other ends and lengths are available upon request. Consult factory.

## PLACING LINE REDUCERS

Reducer made from Single Wall material



#### **KEY REDUCER SPECIFICATIONS AT A GLANCE**

Reducer Single Wall Steel
Heat Treatment Heat treated (and

Heat treated (and non-heat-treated for

XL-92 system)

Weld Ends Machined Steel

Reducer Lengths Varies Weight Varies

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA III, ULTRA II OR XL-92 SYSTEM SYSTEM

Boom Pipe (see pages 7-9)
Deck Pipe (see pages 13-15)
Cast Manganese Elbows (see page 18)
Hardened, Cast Steel Backend Kit
(see page 23)

HARDEN	HARDENED AND NON HARDENED STEEL REDUCERS					
Inlet End (ID)	Outlet End (ID)	Length (IN.)	Length (mm)	Weight (lbs)	Shipping Part Number	
2.5	2.0	28.0	711	17.5	R252028	
3.0	2.0	28.0	711	17	R302028	
3.0	2.0	36.0	914	22	R302036	
3.0	2.5	28.0	711	22	R302528	
4.0	3.0	28.0	711	25	R403028	
4.0	3.0	36.0	914	32	R403036	
4.0	3.5	12.0	305	14	R403512	
5.0	3.0	28.0	711	28	R503028	
5.0	4.0	30.0	762	38	R504030	
5.0	4.0	36.0	914	43	R504036	
5.0	4.0	40.0	1016	64	R504040	
5.0	4.0	53.0	1346	64	R504053	
6.0	4.0	36.0	914	41	R604036	
6.0	4.0	53.0	1346	58	R604053	
6.0	5.0	36.0	914	46	R605036	
6.0	5.0	53.0	1346	95	R605053	
6.0	5.0	63.0	1600	114	R605063	

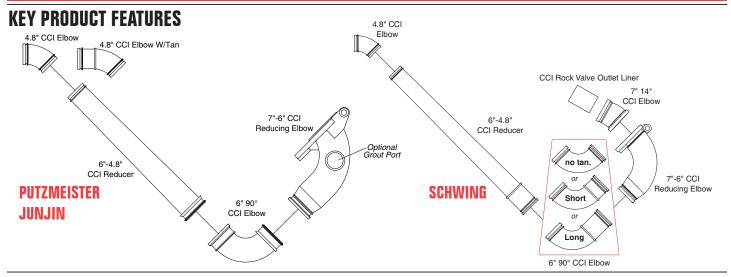
Specify end type & add suffix of "H" to part number for heat treated versions.

Specify retaining eyes with an "S" after the "R" in the part number (RS). Retaining eyes are standard on 5" reducers. Other ends, lengths and reductions are available upon request.



## **CCI** BACKEND KITS

Complete Backend Kits Consisting of CCI Lined Components



#### **KEY BACKEND KIT SPECIFICATIONS** AT A GLANCE

Components: • 4.8" ID CCI lined elbow

- 5.75"-4.8" ID CCI lined reducer
- 6" 90-degree CCI lined elbow
- 7"-6" CCI lined reducing elbow

Weld Ends · Steel with chrome carbide insert

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE TWIN-WALL OR **ULTRA PLUS SYSTEM**

Twin-Wall™ Boom Pipe (see pages 2-5) or Ultra Plus Boom Pipe (see page 6)

CCI Lined Deck Pipe (see page 10)

or Twin-Wall™ Deck Pipe (see page 11)

or Ultra Plus Deck Pipe (see page 12)

CCI Lined Elbows (see page 16)

CCI Lined Reducers (see page 19)

#### PUTZMEISTER / JUNJIN BACKEND KIT

Part Number
265M10491
265M15238
120-11673
265-11675
265-13350
265-13646

#### **SCHWING BACKEND KIT**

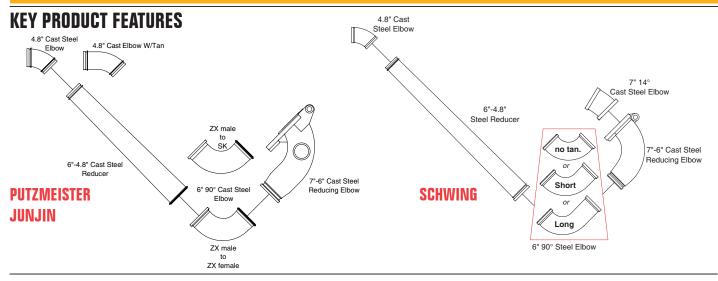
Component	Part Number
4.8" ID x 45 degree CCI Lined Elbow	265M10491
5.75"-4.8" ID x 63.0" lg. (1600mm) CCI Reducer	120-11475
6" 90-degree CCI Lined Elbow  long tangent short tangent no tangent	265-11045 265-10549 265-09505
7"- 6" CCI Lined Reducing Elbow	265-13351
7" 14-degree Elbow	265-11019
CCI Rock Valve Outlet Liner	187P15197

Other reducer lengths and end configurations are available upon request. Other elbow degrees and end configurations are available upon request. Harsh Mix configurations are available upon request. Consult factory.

Representative parts indicated. For additional information or to place an order, please call 800-223-3676

## CAST STEEL BACKEND KITS

Complete Backend Kits Consisting of Hardened, Cast Steel Components



## KEY BACKEND KIT SPECIFICATIONS AT A GLANCE

**Heat Treated** 

Components: • 4.8" ID cast steel elbow

- 4.8" ID cast manganese elbow
- 5.75"-4.8" ID steel reducer
- 6" 90-degree cas steel elbow
- 7"- 6" cast steel reducing elbow

#### OTHER RECOMMENDED COMPONENTS FOR A COMPLETE ULTRA III, ULTRA II OR XL-92 SYSTEM SYSTEM

Ultra III, Ultra II or XL-92 Boom Pipe (see page 7-9)

Ultra III, Ultra II or XL-92 Deck Pipe (see page 13-15)

Cast Manganese Elbows (see page 18) Hardened Steel Reducers (see page 20)

#### **PUTZMEISTER / JUNJIN BACKEND KIT**

Part Number
127M10491H
127P15238
127M15238H
115-11673H
115-10858H
127P11675
127P11676
215-13646H

#### **SCHWING BACKEND KIT**

Component	Part Number
4.8" ID x 45 degree Cast Steel Elbow	127M10491H
5.75"-4.8" ID x 63"lg. (1600mm) Steel Reducer	115-11475H
6" 90-degree Cast Steel Elbow	
long tangent	127P11677
short tangent	204-10549H
no tangent	127P09505
7"- 6" Cast Steel Reducing Elbow	127P02368
7" 14-degree Elbow	204-11019

Other reducer lengths and end configurations are available upon request. Other elbow degrees and end configurations are available upon request. Harsh Mix configurations are available upon request. Consult factory.

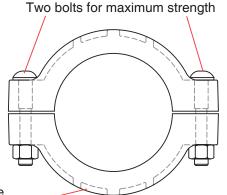


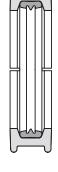
Representative parts indicated.

## COUPLINGS TWO-BOLT AND SWIVEL

Strongest Available Couplings for Applications Not Requiring Quick Release

#### **KEY PRODUCT FEATURES**





Weight, working pressure, manufacturer and size cast into coupling

#### TWO-BOLT COUPLINGS

Size	End Type	Shipping Weight (lbs)	Part Number
3"	Hevi-Duty	7.0	C30BBD
4"	Hevi-Duty	13.0	C40BBD
5"	Hevi-Duty	15.0	C50BBD
148mm	Metric	15.0	C148BBM
6"	Hevi-Dutv	17.0	C60BBD

#### **SWIVEL COUPLINGS**

Size	End Type	Shipping Weight (lbs)	Part Number
4"	.500" Swivel	14.0	SW40
4"	.600" Hevi-Duty	14.0	DSW40
5"	.500" Swivel	16.0	SW50
5"	.600" Hevi-Duty	16.0	DSW50
148mm	Metric	13.5	CSW148BM
6"	.500" Swivel	18.0	SW60
6"	.600" Hevi-Duty	18.0	DSW60

#### SWIVEL COUPLINGS WITH MOUNTING BRACKETS

Size	End Type	Bracket Type	Type Coupling	Part Number
5"	.600" Hevi-Duty	Foot Bracket	Socket Head	217-10592
148mm	Metric	Foot Bracket	Socket Head	217-10860
5"	.600" Hevi-Duty	Foot Bracket	Snap Coupling	215-11222
148mm	Metric	Foot Bracket	Snap Coupling	215-11357

#### RESTRICTED ACCESS SWIVEL COUPLINGS

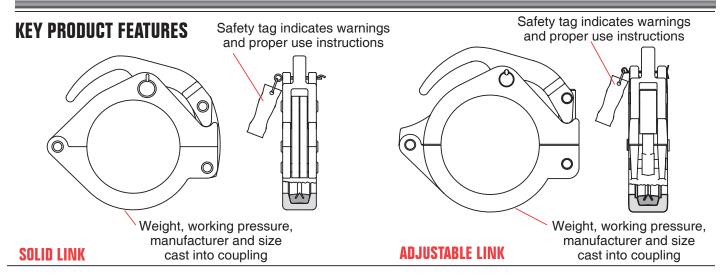
Size	Reference End Type	Type Coupling	Part Number
5"	.600" Hevi-Duty	Socket Head 2-Bolt	C50SSD
148mm	Metric	Socket Head 2-Bolt	C148BBM
5"	.600" Hevi-Duty	Hex Head 4-Bolt	200-10501
148mm	Metric	Hex Head 4-Bolt	550-10667

THRUST WASHERS		Shipping Weight	Part Number
4"	Thrust Steel Washer	.6	410-17271
5"	Thrust Steel Washer	.8	410-04645
6"	Thrust Steel Washer	1.0	410-04979

Representative parts indicated. For additional information

# **COUPLINGS** SNAP

Solid Link, Limited Adjustment and Adjustable Couplings for Quick Release Applications



#### SOLID LINK NON-ADJUSTABLE SNAP COUPLINGS

Size	End Type	Shipping Weight (lbs)	Part Number		
1.5"	Hevi-Duty	3.0	C15SD		
2"	Hevi-Duty	4.8	C20SD		
2.5"	Hevi-Duty	5.0	C25SD		
3"	Hevi-Duty	8.5	C30SDL		
4"	Hevi-Duty	11.0	C40SDL		
148mm	Metric	6.5	CA148SML		
148mm	Metric	9.2	C148SMLLW		
148mm	Metric	14.0	C148SML		
5"	Hevi-Duty	13.8	C50SDL		
5"	148mm/Hevi-Duty	14.0	C148SMD		
6"	Hevi-Duty	16.0	C60SDL		

#### LIMITED ADJUSTMENT SNAP COUPLINGS

ID In.	End Type	Shipping Weight (lbs)	Part Number
4"	Hevi-Duty	11.0	C40SDLA
5"	Hevi-Duty	13.8	C50SDLA
148mm	Metric	14.0	C148SMLA

#### **ADJUSTABLE SNAP COUPLINGS**

ID In.	End Type	Shipping Weight (lbs)	Part Number
3"	Hevi-Duty	8.5	C30SD
4"	Hevi-Duty	11.0	C40SD
5"	Hevi-Duty	13.8	C50SD
148mm	Metric	14.0	C148SM
6"	Hevi-Duty	16.5	C60SD
7"	Hevi-Duty	19.5	C70SD



## **COUPLING PARTS**

Replacement Parts and Repair Kits Available for All Couplings

#### COUPLING HARDWARE REPAIR KITS - TWO-BOLT COUPLINGS

Size	End Type	Kit Part Number	Contents of Kit
3"	Hevi-Duty	CB30BBD	(1) Bolt, (1) Nut
4"	Hevi-Duty	CB40BBD	(1) 040P04139 Bolt, (1) 040P07870 Nut
5"	Hevi-Duty	CB50BBD	(1) 040P04139 Bolt, (1) 040P07870 Nut
6"	Hevi-Duty	CB60BBD	(1) 040P04139 Bolt, (1) 040P07870 Nut

#### REPLACEMENT HANDLE KITS - SNAP COUPLINGS (ALL TYPES)

Size	End Type	Kit Part Number	Contents of Kit
1.5"	Hevi-Duty	CH15SD	(1) 403P10603 Handle, (1) 040P04738 Pin
2"	Hevi-Duty	CH20SD	(1) 403P01503 Handle, (1) 040P04665 Pin
2.5"	Hevi-Duty	CH25SD	(1) 403P01503 Handle, (1) 040P04739 Pin
3"	Hevi-Duty	CH30SD	(1) 403P05596 Handle, (1) 040P04662 Pin
4"	Hevi-Duty	CH40SD	(1) 403P01506 Handle, (1) 040P06322 Pin
5"	Hevi-Duty	CH50SD	(1) 403P01508 Handle, (1) 040P06322 Pin
148mm	Metric	CH148SM	(1) 403P01507 Handle, (1) 040P04663 Pin
6"	Hevi-Duty	CH60SD	(1) 403P01508 Handle, (1) 040P04663 Pin
7"	Hevi-Duty	CH70SD	(1) 403P01509 Handle, (1) 040P06975 Pin

#### REPLACEMENT SNAP HANDLE SAFETY PINS - SNAP COUPLINGS (ALL TYPES)

Size	End Type	Kit Part Number	Contents of Kit
1.5"	All	HAIRPIN	(1) Hairpin Clip, (1) Warning Label
2"	All	HAIRPIN	(1) Hairpin Clip, (1) Warning Label
2.5"	All	HAIRPIN	(1) Hairpin Clip, (1) Warning Label
3"	All	SAFETYPINS (short)	(1) Clinch Pin, (1) Key Ring, (1) Warning Label
4"	All	SAFETYPINL (long)	(1) Clinch Pin, (1) Key Ring, (1) Warning Label
5"	All	SAFETYPINL	(1) Clinch Pin, (1) Key Ring, (1) Warning Label
6"	All	SAFETYPINL	(1) Clinch Pin, (1) Key Ring, (1) Warning Label
7"	All	SAFETYPINL	(1) Clinch Pin, (1) Key Ring, (1) Warning Label

#### COUPLING HARDWARE REPAIR KITS - SOLID LINK NON-ADJUSTABLE SNAP COUPLINGS

Size	End Type	Kit Part Number	Contents of Kit
1.5"	Hevi-Duty	CB15SD	(2) 500P01519 Links, (1) 040P04738 Pin
2"	Hevi-Duty	CB20SD	(2) 500P01518 Links, (1) 040P04739 Pin
2.5"	Hevi-Duty	CB25SD	(2) 500P01518 Links, (2) 040P04739 Pin
3"	Hevi-Duty	CB30SDL	(2) 401-11176 Links, (2) 500-11112 Spacers, (2) 040P04662 Pins
4"	Hevi-Duty	CB40SDL	(2) 500-11184 Links, (2) 040P06322 Pins
5"	Hevi-Duty	CB50SDL	(2) 500-11177 Links, (2) 040P06322 Pins
148mm	Metric	CB148SML	(2) 500-11177 Links, (2) 040P06322 Pins
6"	Hevi-Duty	CB60SDL	(2) 500-11196 Links, (2) 040P07819 Pins

#### COUPLING HARDWARE REPAIR KITS - LIMITED ADJUSTMENT SNAP COUPLINGS

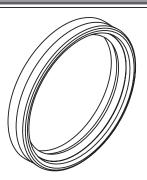
Size	End Type	Kit Part Number	Contents of Kit
4"	Hevi-Duty	CB40SDLA	(1) 500-10193 Bolt & Nut, (2) 040P06322 Pins
5"	Hevi-Duty	CB50SDLA	(1) 500-09502 Bolt & Nut, (2) 040P06322 Pins
148mm	Metric	CB148SMLA	(1) 500-09502 Bolt & Nut, (2) 040P06322 Pins

#### COUPLING HARDWARE REPAIR KITS — ADJUSTABLE SNAP COUPLINGS

ID In.	End Type	Kit Part Number	Contents of Kit
3"	Hevi-Duty	CB30SD	(1) 401P01516 Nut, (1) 400P01511 Bolt, (2) 040P06322 Pins
4"	Hevi-Duty	CB40SD	(1) 401P01516 Nut, (1) 400P01512 Bolt, (2) 040P06322 Pins
148mm	Metric	CB148SM	(1) 401P05138 Nut, (1) 400P01512 Bolt, (2) 040P06322 Pins
5"	Hevi-Duty	CB50SD	(1) 401P05138 Nut, (1) 400P01512 Bolt, (2) 040P06322 Pins
6"	Hevi-Duty	CB60SD	(1) 401P05138 Nut, (1) 400P01512 Bolt, (2) 040P04663 Pins
7"	Hevi-Duty	CB70SD	(1) 401P01515 Nut, (1) 400P01512 Bolt, (2) 040P04663 Pins

# **GASKETS**

#### Gaskets for All Available Couplings













GASKETS		
Size	Style	Part Number
1.5	Flared	CG15J
1.5	Hevi-Duty	CG15D
2.0	Flared	CG20J
2.0	Hevi-Duty	CG20D
2.5	Hevi-Duty	CG25D
3.0	Hevi-Duty	CG30D
4.0	Hevi-Duty	CG40D
4.0	Swivel with Steel Ring	SWG40
4.0	Hevi-Duty Swivel Hard Plastic	CSWG40D
5.0	Hevi-Duty	CG50D
5.0	Hevi-Duty Cavity	CVG50D
5.0	Hevi-Duty Lubed with Tee Lip	529P09787L
5.0	Swivel with Steel Ring	SWG50
5.0	Hevi-Duty Swivel Hard Plastic	CSWG50D
6.0	Hevi-Duty	CG60D
6.0	Swivel with Steel Ring	SWG60
6.0	Hevi-Duty Swivel Hard Plastic	CSWG60D
7.0	Hevi-Duty	CG70D
8.0	Hevi-Duty	CG80DX
148mm	Metric	CG148M
148mm	Metric Cavity	CVG148M
148mm	Metric Swivel Lubed	529P09346X

#### **GASKETS, BOX QUANTITIES**

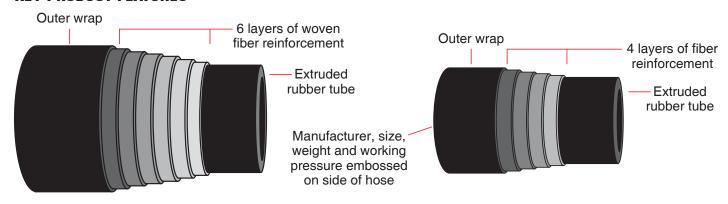
, 2011						
Style	Units Per Box	Part Number				
Hevi-Duty	100	CG15D-BX				
Hevi-Duty	100	CG20D-BX				
Hevi-Duty	100	CG25D-BX				
Hevi-Duty	100	CG30D-BX				
Hevi-Duty	100	CG40D-BX				
Hevi-Duty	100	CG50D-BX				
Hevi-Duty	50	CG60D-BX				
Metric	50	CG148M-BX				
Metric Cavity	50	CVG148M-BX				
Metric Swivel Lubed	50	529P09346X-BX				
	Hevi-Duty Hevi-Duty Hevi-Duty Hevi-Duty Hevi-Duty Hevi-Duty Hevi-Duty Metric Metric Cavity	Hevi-Duty 100 Hevi-Duty 100 Hevi-Duty 100 Hevi-Duty 100 Hevi-Duty 100 Hevi-Duty 100 Hevi-Duty 50 Metric 50 Metric 50				



## DISCHARGE HOSE FB

Flex-Bond Textile Reinforced Hose

#### **KEY PRODUCT FEATURES**



3" TO 6" HOSE 1" TO 2.5" HOSE

# Hevi-Duty End Metric End

Other ends are available upon request. Consult factory

#### **FLEX-BOND DISCHARGE HOSE (FB)**

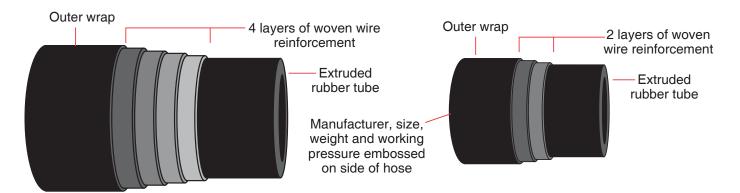
Mfg. Min. Burst (BAR/PSI)	Working Pressure (BAR/PSI)	Shipping Weight (lbs/ft)	F.W.C. (lbs/ft)	Part Num	ber
275/4000	68/1000	0.65	1.4	H10FB	C
165/2400	55/800	0.77	2.1	H12FB_	C
165/2400	55/800	0.9	2.7	H15FB	C
165/2400	55/800	1.2	4.5	H20FB_	C
165/2400	55/800	1.7	6.8	H25FB_	C
138/2000	45/666	2.5	9.9	H30FB	C
138/2000	45/666	2.9	12.9	H35FB	C
138/2000	45/666	3.3	16.4	H40FB	C
138/2000	45/666	3.8	20.4	H45FB	C
97/1400	35/500	4.5	25.0	H50FB	c
	(BAR/PSI) 275/4000 165/2400 165/2400 165/2400 165/2400 138/2000 138/2000 138/2000	275/4000 68/1000 165/2400 55/800 165/2400 55/800 165/2400 55/800 165/2400 55/800 165/2400 55/800 138/2000 45/666 138/2000 45/666 138/2000 45/666	(BAR/PSI)         (BAR/PSI)         Weight (Ibs/ft)           275/4000         68/1000         0.65           165/2400         55/800         0.77           165/2400         55/800         0.9           165/2400         55/800         1.2           165/2400         55/800         1.7           138/2000         45/666         2.5           138/2000         45/666         2.9           138/2000         45/666         3.3           138/2000         45/666         3.8	(BAR/PSI)         (BAR/PSI)         Weight (lbs/ft)         (lbs/ft)           275/4000         68/1000         0.65         1.4           165/2400         55/800         0.77         2.1           165/2400         55/800         0.9         2.7           165/2400         55/800         1.2         4.5           165/2400         55/800         1.7         6.8           138/2000         45/666         2.5         9.9           138/2000         45/666         2.9         12.9           138/2000         45/666         3.3         16.4           138/2000         45/666         3.8         20.4	(BAR/PSI)         (BAR/PSI)         Weight (Ibs/ft)         (Ibs/ft)         Part Number           275/4000         68/1000         0.65         1.4         H10FB

Specify ends and lengths. Refer to page 46 for part number guide.

# DISCHARGE HOSE S1 & N1

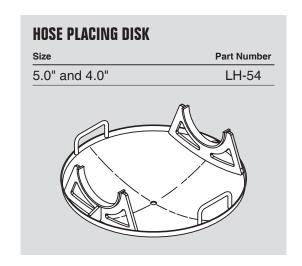
Steel Reinforced Hose

#### **KEY PRODUCT FEATURES**



3" TO 6" S1 HOSE (IVG) AND N1 (TRELLEBORG)

1.5" TO 2.5" S1 HOSE (IVG) AND N1 (TRELLBORG)



#### S1 DISCHARGE HOSE (IVG)

Size	Mfg. Min. Burst (BAR/PSI)	Working Pressure (BAR/PSI)	Shipping Weight (lbs/ft)	F.W.C. (lbs/ft)	Part Num	ber
1.5"	165/2400	55/800	1.2	3.1	H15S1	C
2"	165/2400	55/800	1.6	4.8	H20S1_	C
2.5"	165/2400	55/800	2.3	7.4	H25S1	C
3"	165/2400	55/800	4.3	11.7	H30S1	C
3.5"	165/2400	55/800	5.0	15.0	H35S1	C
4"	165/2400	55/800	5.4	18.5	H40S1	C
4.5"	165/2400	55/800	5.9	22.5	H45S1	C
5"	165/2400	55/800	6.6	27.1	H50S1	C

Specify ends and lengths. Refer to page 46 for part number guide.

#### **N1 DISCHARGE HOSE (TRELLEBORG)**

Size	Mfg. Min. Burst (BAR/PSI)	Working Pressure (BAR/PSI)	Shipping Weight (lbs/ft)	F.W.C. (lbs/ft)	Part Number
1.25"	200/2940	68/1000	0.6	1.9	H12N1K
1.5"	200/2940	68/1000	0.8	2.7	H15N1K
2"	200/2940	68/1000	1.5	4.7	H20N1K
2.5"	200/2940	68/1000	2.6	7.9	H25N1K
3"	125/1838	41/600	3.3	10.7	H30N1K
4"	125/1838	41/600	4.7	17.8	H40N1K
5"	125/1838	41/600	6.6	26.4	H50N1K
6"	125/1838	41/600	8.9	37.5	H60N1K

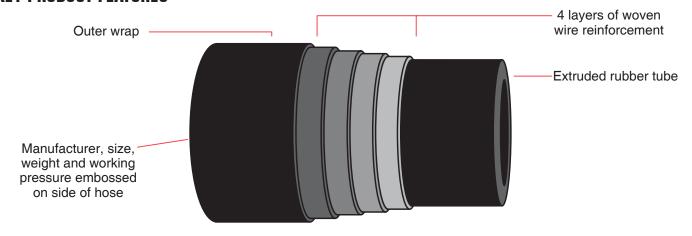
Specify ends and lengths. Refer to page 46 for part number guide.



## BOOM HOSE S2 & N2

Woven Wire-Reinforced Hose

#### **KEY PRODUCT FEATURES**



# Hevi-Duty End Metric End

Other ends are available upon request. Consult factory

#### **S2 STEELBOND BOOM HOSE (IVG)**

Size	Mfg. Min. Burst (BAR/PSI)	Working Pressure (BAR/PSI)	Shipping Weight (lbs/ft)	F.W.C. (lbs/ft)	Part Numbe	er
2"	275/4000	68/1000	2.6	5.9	H20HW	_C
3"	200/2940	85/1250	4.8	12.2	H30S2	_C
4"	200/2940	85/1250	6.1	19.2	H40S2	_C
5"	200/2940	85/1250	7.6	28.1	H50S2	_C

Specify ends and lengths. Refer to page 46 for part number guide.

#### **N2 BOOM HOSE (TRELLEBORG)**

Size	Mfg. Min. Burst (BAR/PSI)	Working Pressure (BAR/PSI)	Shipping Weight (lbs/ft)	F.W.C. (lbs/ft)	Part Number
3"	200/2940	85/1250	3.7	11.1	H30N2K
3.5"	200/2940	85/1250	4.8	15.1	H35N2K
4"	200/2940	85/1250	5.4	18.5	H40N2K
4.5"	200/2940	85/1250	6.1	22.9	H45N2K
5"	200/2940	85/1250	7.6	27.4	H50N2K
6"	200/2940	85/1250	9.9	38.5	H60N2K

Specify ends and lengths. Refer to page 46 for part number guide.

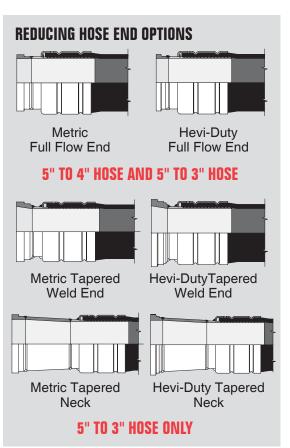
## REDUCING HOSE

Patented Steel Reinforced Reducing Boom Hoses from 5" to 4" or from 5" to 3"

#### **KEY PRODUCT FEATURES**



5" TO 3" HOSE



#### **REDUCING HOSE**

Size	End VI	BAR/PSI	re Part Number
5" to 4"	Hevi-Duty Full Flow End	85/1250	H5040RND1K
5" to 4"	Metric Full Flow End	85/1250	H5040RNM1K
5" to 3"	Hevi-Duty Full Flow End	85/1250	H4530RND1K
5" to 3"	Metric Full Flow End	85/1250	H4530RNM1K
5" to 3"	Hevi-Duty Tapered Weld End	85/1250	H4530RNTD1K
5" to 3"	Metric Tapered Weld End	85/1250	H4530RNTM1K
5" to 3"	Hevi-Duty Tapered Neck	85/1250	H4530RNRD1K
5" to 3"	Metric Tapered Neck	85/1250	H4530RNRM1K
	· · · · · · · · · · · · · · · · · · ·		

Refer to page 46 for part number guide.

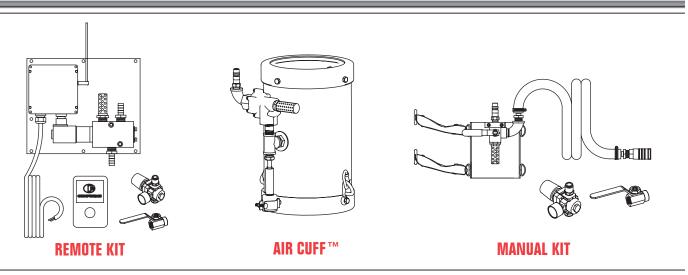
#### **KEY PRODUCT CHARACTERISTICS**

- · Maintains air entrainment within concrete
- No exposed wire reinforcement on hose tip
- 5" to 3" hose ideal for ICF, block and form filling applications
- Smooth, controlled concrete flow virtually eliminates splatter and reduces boom bounce
- Eliminates need for steel reducer and couplings, Ram's Horn or double 90-degree elbows
- · Less weight at boom tip



# AIR CUFF® SLINGS

Manual or Remote-Operated Valve. Controls the Flow of Concrete



#### **KEY PRODUCT SPECIFICATIONS AT A GLANCE**

Length: 15"
Diameter: 9.5"
Weight: 21 lbs
Max. Air Pressure: 90 PSI
Cycle Time: 4 seconds

#### **KEY PRODUCT CHARACTERISTICS**

Cycle time of 4 seconds, eliminates spill and waste

Fits all 3" through 5" diameter discharge hose

Eliminates the need to kink and wire hose at the tip

Operates from truck's air supply

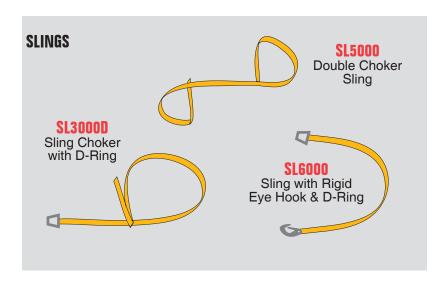
Can be operated by hand held remote control or integrated into pumps control box. Consult factory for details.

Includes Air Cuff™, remote and fittings for complete installation

Safe alternative to the double 90°

#### AIR-CUFF SHUT-OFF VALVE

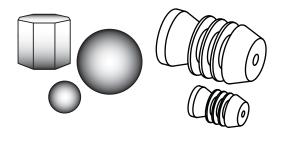
Product Description	Part No.
Manual Air Cuff™ Kit	V50ASC-MAN
Remote Control Kits	
Universal Kits	
12-Volt Air Cuff™ Kit	V50ASC-12R
24-Volt Air Cuff™ Kit	V50ASC-24R



# **CLEANOUT** ACCESSORIES

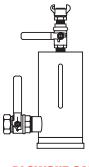
Full Selection of Cleanout Balls, Go-Devils, Pump Primer and Other Cleanout Accessories

### **KEY PRODUCT FEATURES**









**CLEANOUT BALLS** 

**GO-DEVILS** 

**PUMP PRIMER** 

**DEVIL CATCHERS** 

**BLOWOUT CAPS** 

### **BALL. SPONGES. GO-DEVILS**

,						
			Part Number			
Size	Boom Go-Devil	Go-Devil	Cleanout Cubes	Foam Boom Ball	Sponge Cleanout Ball – Hard	Sponge Cleanout Ball - Soft
2.0	N/A	GO-D20	N/A	N/A	COBH20	COBS20
2.5	N/A	GO-D25	N/A	N/A	COBH25	COBS25
3.0	N/A	GO-D30	N/A	N/A	COBH30	COBS30
4.0	BGO-D40	GO-D40	N/A	BB40	COBH40	COBS40
5.0	BGO-D50	GO-D50	COCM-50	BB50	COBH50	COBS50
6.0	N/A	GO-D60	COCM-60	BB60	COBH60	COBS60
7.0	N/A	GO-D70	N/A	N/A	N/A	N/A
8.0	N/A	GO-D80	N/A	N/A	N/A	N/A

### **BALL, SPONGES – BOX QUANTITIES**

	Part Number			Part Number	
Size	Foam Boom Ball	Units Per Box	Sponge Cleanout Ball – Hard	Sponge Cleanout Ball – Soft	Units Per Box
2.0	N/A	_	COBH20-BX	COBS20-BX	12
2.5	N/A	-	COBH25-BX	COBS25-BX	20
3.0	N/A	_	COBH30-BX	COBS30-BX	20
4.0	BB40-BX	12	COBH40-BX	COBS40-BX	25
5.0	BB50-BX	8	COBH50-BX	COBS50-BX	50
6.0	BB60-BX	4	COBH60-BX	COBS60-BX	32

### **CONCRETE PUMP PRIMER**

Product	Kit Contents	Part Number	
Prime Time II	1 Pail / with 60 - 8oz.bags	PTPII	
Prime Time II	Skid of 36 Pails	PTPII-S	

### **DEVIL CATCHERS. BLOW-OUT CAPS. END CAPS**

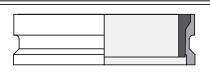
		Part Nu	ımber	
Size	Devil Catcher	Air Blowout Cap	Water Blowout Cap	End Cap
3.0	DC30D	BOC30_A	BOC30D	EC30D
4.0	DC40D	BOC40_A	BOC40D	EC40D
5.0	DC50D	BOC50_A	BOC50D	EC50D
6.0	DC60D	BOC60_A	BOC60D	EC60D
148mm	DC50M	BOC50MA	BOC50M	EC148M

Specify types of ends required.

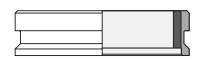


# WELD ENDS

Wide Selection of Counter Bored & Chamfered Weld Ends for Pumping Applications



148mm CCI-LINED **BOOM PIPE WELD END / ULTRA III** 



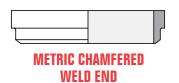
**148mm DOUBLE WALL BOOM PIPE WELD END / ULTRA II** 



148mm STEEL **BOOM PIPE WELD END / XL-92** 



**HEVI-DUTY CHAMFERED WELD END** 



### **BOOM PIPE WELD ENDS**

			Part Number		
Related Pipe	End Type	Length (in)	148mm	Hevi-Duty	
Ultra III	CCI-Lined	1.38	158-11774	158-11903	
Ultra II	Double Wall	1.25	WE47M125U7	WE47D125U7	
XL-92	Steel	1.25	WE48M125S7	WE48D125S7	

### **DECK PIPE WELD ENDS**

			Part N	umber
Related Pipe	End Type	Length (in)	148mm	Hevi-Duty
Ultra III	CCI-Lined	1.38	158-12982	158-12990
Ultra II	Steel	1.38	WE48M137U4	WE48D137U4
XL-92	Steel	1.38	WE48M137S4	WE48D137S4

### **HEVI-DUTY CHAMFERED WELD ENDS**

		Part	Part Number	
Size	Length (in)	Non-Hardened	Hardened	
1.5"	1.12	WE15D112C	WE15D112CH	
2.0"	1.12	WE20D112C	WE20D112CH	
2.5"	1.12	WE25D112C	WE25D112CH	
3.0"	1.12	WE30D112C	WE30D112CH	
4.0"	1.25	WE40D125C	WE40D125CH	
4.8"	1.25	WE48D125C	WE48D125CH	
5.0"	1.25	WE50D125C	WE50D125CH	
6.0"	1.25	WE60D125C	WE60D125CH	

### **METRIC CHAMFERED WELD ENDS**

		Part	Number
Size	Length (in)	Non-Hardened	Hardened
4.0"	1.25	WE40M125C	WE40M125CH
4.8"	1.25	WE48M125C	WE48M125CH
5.0"	1.25	WE50M125C	WE50M125CH
6.0"	1.25	WE60M125C	WE60M125CH

Representative parts indicated. For additional information or to place an order, please call 800-223-3676

### **ADAPTORS**

Machined Steel Adaptors for Joining Dissimilar End Types

### **KEY PRODUCT FEATURES**



**FLARED** 



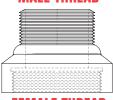






**HEVI-DUTY** 





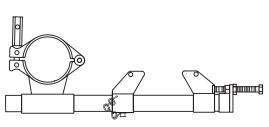
**FEMALE THREAD** 

<b>ADAPTORS</b>		
Size	Style	Part Number
1.50	Hevi-Duty to Female Thread	AD15DF
1.50	Hevi-Duty to Male Thread	AD15DM
2.00	Hevi-Duty to Female Thread	AD20DF
2.00	Flared to Female Thread	AD20JF
2.00	Flared to Male Thread	AD20JM
2.00	Grooved to Hevi-Duty	AD20GD
2.00	Grooved to Male Thread	AD20GM
2.00	Grooved to Female Thread	AD20GF
2.00	Hevi-Duty to Flared	AD20DJ
2.00	Hevi-Duty to Female Thread	AD20DF
2.50	Hevi-Duty to Female Thread	AD25DF
2.50	Hevi-Duty to Male Thread	AD25DM
2.50	Grooved to Hevi-Duty	AD25GD
3.00	Hevi-Duty to Female Thread	AD30DF
3.00	Hevi-Duty to Male Thread	AD30DM
3.00	Grooved to Hevi-Duty	AD30GD
5.00	Hevi-Duty to Metric	AD50DM
5.00	Hevi-Duty to Female Euro	AD50DF
6.00	Hevi-Duty to Metric	AD60DM
6.00	Hevi-Duty to Female Euro	AD60DF
6.00	Hevi-Duty to Male Euro	AD60DE
6.00	Putz. Metric to Hevi-Duty	AD60PD
6.00	Putz. ZX Male to Hevi-Duty	AD60ZED
7.00	Female Euro to Hevi-duty	AD70FDH

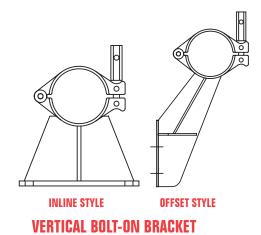
Some adaptors are available heat treated. Others available upon request. Consult factory.

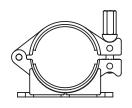
### **BRACKETS**

Brackets and Clamps for High-Rise and Line Pumping Applications



#### **COLUMN SUPPORT BRACKET**





### **5" BOOM TUBE CLAMP**



#### Part Number **Part Number** Complete Bracket Pipe O.D. Tube Clamp Only FWall Thickness 3.0" 3.25 CSB30 170-01455 11 Gauge 3.0" 3.50 CSB30P 170-14103 .250 Wall 4.0" 4.25 CSB40 170-01456 11 Gauge

#### 5.0" 9 or 11 Gauge 5.25 CSB50T 170-01429 5.0" 5.50 CSB50P 170-07503 .250" Wall 5.0" 6.00 CSB50XP 170-10741 .500" Wall 6.0" 6.25 CSB60 170-05406 9 Gauge 6.0" 6.63 CSB60P 170-11017 .312 Wall

### **VERTICAL BOLT-ON TYPE**

**COLUMN SUPPORT BRACKET** 

Part Number		
Offset Right Angle Type	Inline Type	
199-07281	199-07280	
199-07255	199-07254	
199-07283	199-07282	
	Offset Right Angle Type 199-07281 199-07255	

### **5" BOOM TUBE CLAMP**

		Part Number		
Size	Pipe O.D.	With Flex Nut	With Long Nut	
5.0"	5.25"	170-09838R	170-09838LR	
5.0"	5.50"	170-09838	170-09838L	

### **5" BOOM TUBE CLAMP WIDE BASE PLATE**

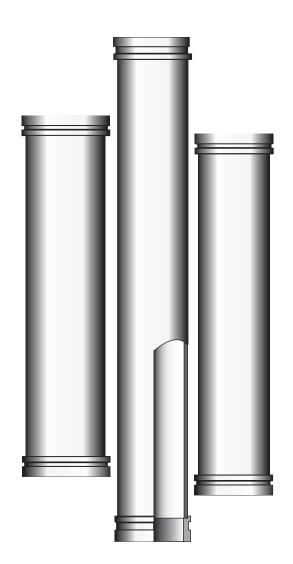
		Part NU	ımber
Size	Pipe O.D.	With Flex Nut	With Long Nut
5.0"	5.25"	170-16481R	170-16481LR
5.0"	5.50"	170-16481	170-16481L

### **5" HOLD DOWN CLAMP**

		Part N	umber
Size	Pipe O.D.	Standard Leg	Extended Leg
4.0"	4.25"	4UC	N/A
5.0"	5.00"	5UC	5UCL
5.0"	6.00"	5XUC	5XUCL

### LAY-DOWN LINE

Steel Placing Line for High-Rise and Lay-Down Applications



11 GAU	11 GAUGE (NOMINAL) .120" / 3mm				
ID	Length (in)	Shipping Weight (lbs)	Part Number Hardened	Part Number Non-hardened	
2.0"	120.0	29	NA	T2011A10D	
2.5"	120.0	32	NA	T2511A10D	
3.0"	120.0	43	NA	T3011A10D	
4.0"	120.0	55	NA	T4011A10D	
5.0"	120.0	67	NA	T5011A10D	

### **9 GAUGE (NOMINAL)** .150" / 3.8mm

ID	Length (in)	Shipping Weight (lbs)	Part Number Hardened	Part Number Non-hardened
4.0"	120.0	68	NA	T4009A10D
5.0"	120.0	82	NA	T5009A10D
6.0"	120.0	99	NA	T6009A10D

### **7 GAUGE (NOMINAL)** (0.180 NON-HARDENED) \* (0.194 HARDENED) \*

ID	Length (in)	Shipping Weight (lbs)	Part Number Hardened	Part Number Non-hardened
4.84"	120.0	105	N/A	T5007A10D*
4.84"	120.0	109	T5007A10DH*	N/A

### .250" WALL / 6.35mm

ID	Length (in)	Shipping Weight (lbs)	Part Number Hardened	Part Number Non-hardened
4.0"	120.0	91	T4025A10DH	T4025A10D
5.0"	120.0	116	T5025A10DH	T5025A10D

### .312" WALL / 7.9mm

ID	Length (in)	Shipping Weight (lbs)	Part Number Hardened	Part Number Non-hardened	
6.0"	120.0	215	T6031A10DH	T6031A10D	

### .500" WALL / 12.7mm

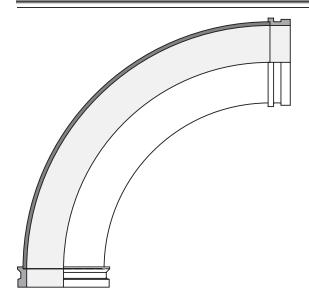
ID	Length (in)	Shipping Weight (lbs)	Part Number Hardened	Part Number Non-hardened
5.0"	120.0	297	T5050A10DH	T5050A10D

Other end types available. Other lengths are available upon request. Consult factory.



### **ELBOWS** PLACING

Placing Elbows for High-Rise and Line Pumping Applications



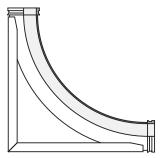
**PLACING ELBOW** 

PLAC	ING ELBOWS –	HEAVY WALL		
ID In.	Degree of Angle	Center Line Radius	Shipping Weight (lbs)	Part Number
2.0 2.0 2.0 2.0	90 45 90 45	48 48 16 16	27 12 11 6	PB209048 PB204548 PB209016 PB204516
2.5 2.5 2.5 2.5	90 45 90 45	48 48 16 16	40 25 14 9	PB259048 PB254548 PB259016 PB254516
3.0 3.0 3.0 3.0 3.0 3.0	90 45 90 45 90 45	48 48 16 16 7.5 7.5	58 29 23 13 13	PB309048 PB304548 PB309016 PB304516 PB309007 PB304507
4.0 4.0 4.0 4.0 4.0 4.0 4.0	90 45 90 45 90 45	48 48 32 32 18 18	72 42 53 30 30 18	PB409048 PB404548 PB409032 PB404532 PB409018 PB404518
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	90 45 90 45 90 45 90 45 90 45	48 48 36 36 24 24 18 18 14	89 48 79 39 48 27 37 22 28	PB509048 PB504548 PB509036 PB504536 PB509024 PB504524 PB509018 PB504518 PB509014 PB504514
6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 7.0	90 45 90 45 90 45 90 45	48 48 30 30 18 18 14 14	142 76 90 42 56 29 46 24	PB609048 PB604548 PB609030 PB604530 PB609018 PB604518 PB609014 PB604514
7.0	90 45 90	14 14 42	27	PB709014 PB704514 PB809042

Specify end type and add suffix of "H" for heat treated versions. Other elbow angles and radii available. Consult factory.

### **ELBOWS** PLACING AND REDUCING

Bracketed Placing Elbows, Reducing Elbows, Wall Hooks for High-Rise and Line Pumping Applications



### 90° PLACING ELBOW — WITH OUTSIDE BRACKET

### 90 DEGREE PLACING ELBOWS - WITH OUTSIDE BRACKETS

ID In.	Cente	er Line Radius	Shipping Weight (lbs)	Part Number
3.0		16	34	SBO30
4.0		18	48	SBO40
5.0		24	78	SBO50
5.0	Hevi-Duty Ends	48	147	169-05965
5.0	Hevi-Duty Ends Heat Treated version	48	147	169-08716
6.0		30	120	SBO60

Specify end type and add suffix of "H" to part number for heat treated versions. Bracketed elbows are also available in other center line radii. Consult factory.

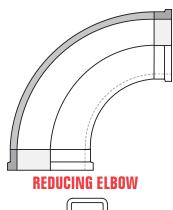


### 90° PLACING ELBOW — WITH INSIDE BRACKET

### 90 DEGREE PLACING ELBOWS - WITH INSIDE BRACKETS

ID In.	Center Line Radius	Shipping Weight (lbs)	Part Number
3.0	16	42	SBI30
4.0	18	53	SBI40
5.0	24	75	SBI50
6.0	30	120	SBI60

Specify end type and add suffix of "H" to part number for heat treated versions. Bracketed elbows are also available in other center line radii. Consult factory.



**WALL HOOK** 

### **REDUCING ELBOWS**

ID (Inlet Side) In.	ID (Outlet Side) In.	Shipping Weight (lbs)	Part Number
3.0	2.0	6	RE3020
4.0	3.0	15	RE4030
5.0	3.0	20	RE5030
5.0	4.0	22	RE5040
6.0	3.0	24	RE6030
6.0	4.0	27	RE6040
6.0	5.0	31	RE6050

Specify end type and add suffix of "H" to part number for heat treated versions. Other reducing elbow assemblies are also available. Consult factory.

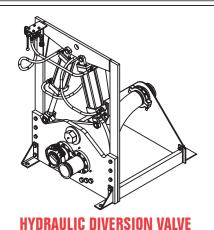
### **WALL HOOKS**

ID In.	Hevi-Duty	Male Thread
2.0	199-05563	199-06692
2.5	199D05708	
3.0	199-05709	
4.0	199D06432	



### VALVES HYDRAULIC

Hydraulic Diversion and Shut-Off Valves for High-Rise and Line Pumping Applications

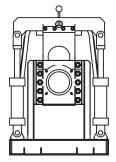


### HYDRAULIC DOUBLE DIVERSION VALVE

Size	Part Number
5.0"	V50HYDDD

### **HYDRAULIC DIVERSION VALVE**

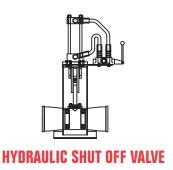
Size		Part Number
5.0"	1500 PSI working pressure (standard)	V50HYD
5.0"	2500 PSI working pressure (high pressure)	V50HYD-HP
6.0"		V60HYD



### HYDRAULIC SHUT OFF VALVE — TWIN CYLINDER

### **HYDRAULIC SHUT-OFF VALVE - TWIN CYLINDER**

Size	Part Number
2.5"	V25HST_
5.0"	V50HST_



# HYDRAULIC POWER PACK

### **HYDRAULIC SHUT-OFF VALVE**

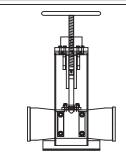
Size	Part Number
5.0"	V50HSB_
6.0"	V60HSB_

### **HYDRAULIC POWER PACK**

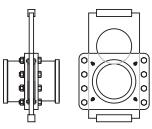
Size		Part Number
2.0 HP 115/230V		VHYPP
2.0 HP 115/230V	50Hz. Pkg.	VHYPP-50Hz

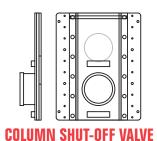
### VALVES MANUAL

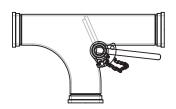
Manual Shut-Off and Diversion Valves for High-Rise and Line Pumping Applications



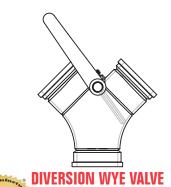
### **MANUAL SHUT-OFF VALVE**







**DIVERSION DISCHARGE VALVE** 



### **MANUAL SHUT-OFF VALVE**

Size	Part Number
4.0"	V40SB_
5.0"	V50SB_
6.0"	V60SB_

Specify type of ends required.

### HAMMER SHUT-OFF VALVE

	Part Number	
<b>Dual Seals</b>	Single Seal	No Seal
V20XHS_	N/A	V20HS_
N/A	N/A	V25HS_
V30XHS_	V30HSS	V30HS_
V40XHS_	V40HSS	V40HS_
V50XHS_	V50HSS	V50HS_
V60XHS_	V60HSS	V60HS_
	V20XHS_ N/A V30XHS_ V40XHS_ V50XHS_	Dual Seals         Single Seal           V20XHS_         N/A           N/A         N/A           V30XHS_         V30HSS           V40XHS_         V40HSS           V50XHS_         V50HSS

Specify type of ends required.

### **COLUMN SHUT-OFF VALVE**

	Part Number	
Size	Hevi-Duty	Metric
2.5"	V25CSD	
3.0"	V30CSD	
4.0"	V40CSD	
5.0"	V50CSD	V50CSM
6.0"	V60CSD	

### **DIVERSION DISCHARGE VALVE**

Size	Part Number
4.0"	V40DD02_
5.0"	V50DD02_
6.0"	V60DD02_

Specify type of ends required.

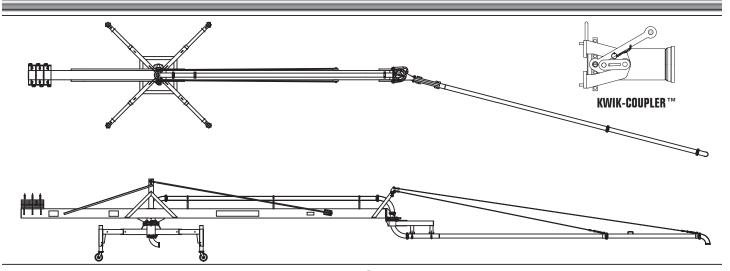
### **DIVERSION WYE VALVE**

Size	Part Number
3.0"	V30DY_
4.0"	V40DY_
5.0"	V50DY_
6.0"	V60DY_

Specify type of ends required.

### PLACERS KRETE

Custom Designed Krete Placers for Deck Spreading Applications



### **KEY PLACER SPECIFICATIONS AT A GLANCE**

Con Forms Krete Placers are specifically designed for placing concrete on decks. Standard units are available with boom reach radii of 32', 40', 60' and 70'. Custom placers are available upon request. Please consult factory.

### **FEATURES**

Standard Features

- · Heavy duty swivel bearing
- Double swivel boom for precise concrete placement
- · Manufactured counterweights
- · Pin type vertical leg adjustments
- 5" Hevi-Duty delivery system

#### **Options**

- Elevated tower mounts
- · Aluminum light rail mount
- · Variety of caster styles
- Leg extensions

#### **Power Options**

- Manual or Remote controlled
- 1st stage power (rotational)
- 1st and 2nd stage power (rotational)
- 1st, 2nd, and 3rd stage power (rotational with elevation jib)

### KRETE PLACER (Manual version)

Description	Part Number
32' Deck Placer	DP5032
40' Deck Placer	DP5040
40' Deck Placer	DP5040-STD
60' Deck Placer	DP5060-STD
70' Deck Placer	DP5070-STD

For replacement parts. Consult factory.

### KRETE PLACER (Hydraulic powered version)

Description	Part Number
40' Deck Placer	DP5040HYD-2-COM
40' Deck Placer	DP5040HYD-3-COM
60' Deck Placer	DP5060HYD-2-COM
60' Deck Placer	DP5060HYD-3-COM
70' Deck Placer	DP5070HYD-2-COM

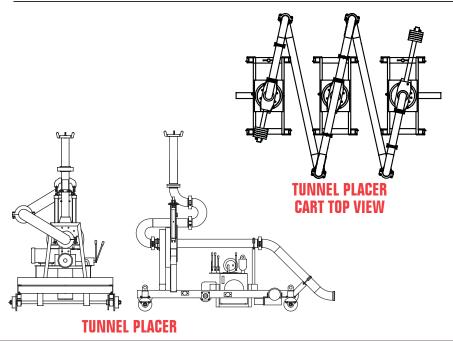
For replacement parts. Consult factory.

#### **KWIK-COUPLER**™

Size	Kwik-Coupler	Gasket	
4.0"	KC40DD	KCG40D	
5.0"	KC50DD	KCG50D	

### PLACERS TUNNEL & BRIDGE DECK

Custom Designed Placers for Tunnel and Bridge Deck Spreading Applications



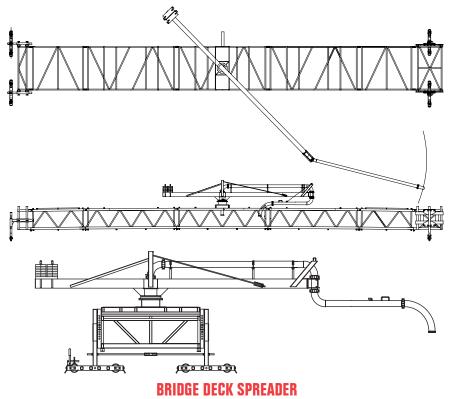
#### **TUNNEL PLACER**

Con Forms Tunnel Placers are designed to meet specific requirements which are unique to each project. The boom jib rotates, retracts & extends hydraulically in order to accommodate the various injection ports located on the tunnel form. Units can be supplied with various power options. Electro-hydraulic is standard.

Please consult factory.

#### Available features

- Hose or steel scissor pipe expansion
- Made to order connecting fittings
- Hardened system
- Horizontally and vertically oriented scissor systems
- Hydraulic powered bogies



### **BRIDGE DECK SPREADER**

Con Forms Bridge Deck Spreaders are designed expressly for placing concrete on bridge decks. Sectional truss systems are available in width combinations from 43' to 60' with standard boom reach of 32'. Custom placers for specific applications are available upon request. *Please consult factory.* 

#### Available features:

- Heavy duty swivel bearing
- 24" CLR boom elbows
- Roller bearing bogies
- Legs can be reversed for parapet mounted rails
- Horizontally and vertically adjustable
- Can be transported via conventional trailers

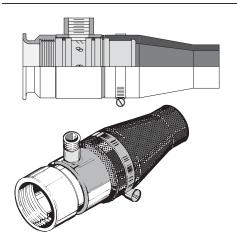
#### Options:

- Hydraulic powered bogies
- · Hydraulic boom pivot



### SHOTCRETE NOZZLES & ACCESSORIES

Lightweight, Small-Line Accessories in Diameters as Small as 1.25"



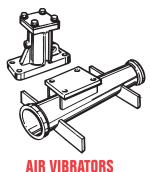
### **SHOTCRETE ASSEMBLY**





**SMALL-LINE REDUCERS** 





### **SHOTCRETE NOZZLES**

Size	Replacement Tip Only	Part Number
1.25	194-11385	194-11387_
1.50	194P11869	194-15274_
2.00	194P09797	194-10499_
2.50	194P10512	194-15264_
2.50 with 2" Inlet	194P10512	194-10671_
3.00	N/A	194-11091_

Specify end type required.

End Types: D = Hevi-Duty J = Flared F = Female M = Male G = Grooved

### **ADAPTORS**

Size	End Style	Part Number
1.5"	Hevi-Duty	194-15272
1.5"	Flared	194-15292
2.0"	Grooved	194-15126
2.0"	Female NPT	194-15308
2.5"	Hevi-Duty	194-15262

See additional adaptors for additional connection options on page 35.

### HARDENED AND NON HARDENED STEEL REDUCERS

Inlet End (ID)	Outlet End (ID)	Length ( IN.)	Length (mm)	Weight (lbs)	Shipping Part Number
2.0	1.13	24.0	609	7.7	R201224
2.0	1.5	12.0	304	5.0	R201512
2.0	1.5	18.0	457	6.1	R201518

See additional reducers on page 21.

### HOSE

See Small Line Hose options on page 28  $\it thru$  30

#### **AIR VIBRATORS**

Size	Description	Part Number
2.5 - 2.0	2.5" to 2" x 28" Lg. Reducer with Mount	194-09551_
N/A	Air Impacting Vibrator Only	194P07896

Representative parts indicated. For additional information or to place an order, please call **800-223-3676** 

## REFERENCE GUIDE

Field Measuring of Elbows & Weight per foot of Pipe

CF = CENTER TO FACE

CL = CHORD LENGTH

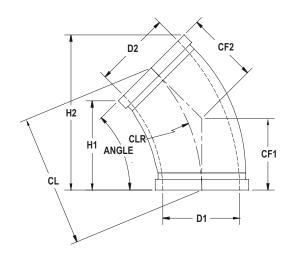
CLR = CENTER LINE RADIUS

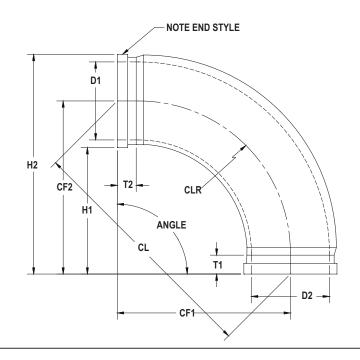
ANGLE = BEND ANGLE

T = TANGENT LENGTH ON BEND

D = DIAMETER

H = HEIGHT FROM FACE





### **CONCRETE PLACING LINE WEIGHTS**

Inside Diameter	Wall Thickness	Line Empty	Concrete Only	Total	Total Weight per 10 ft. Sections
2"	11ga./3mm	2.9	3.3	6.2	62
3"	11 ga./3mm	4.1	7.4	11.5	115
4"	11 ga./3mm	5.5	13.1	18.6	186
5"	11 ga./3mm	6.9	20.5	27.4	274
5"	9 ga./3.8mm	7.4	20.5	27.9	279
5"	7 ga./4.6mm	10.4	20.5	30.9	309
5"	.250	14.0	20.5	34.5	345
5"	.500	29.4	20.5	49.9	498
6"	11 ga./3mm	8.5	29.5	38.0	380
6"	9 ga./3.8mm	10.0	29.5	39.5	395
6"	.250	16.7	29.5	46.2	461

Note: 11 ga. = .120" / 3.0mm Wall 9 ga. = .150" / 3.8mm Wall 7 ga. = .180" / 4.6mm Wall

### **CONCRETE PLACING SYSTEM ENGINEERING DATA**

PIPE DIAMETER (INSIDE)	ln.	2	3	4	5	6	7
Cross-Sectional Area	ln.²	3.1	7.1	12.6	19.6	28.3	38.5
(Inside the Pipe)	Ft.²	.02	.05	.09	.14	.20	.27
Volume of Concrete Per 100 ft. section	Ft.³	2.0	5.0	9.0	14.0	20.0	27.0
of Pipe	Yd.³	.07	.19	.33	.52	.74	1.00
Weight of Concrete per 10 ft. Section of Pipe at 150 lb. per cu. ft.	Lbs.	30	75	135	210	300	405
Pipe Length Per Yd. <sup>3</sup> of Concrete	Ft.	1,350	540	300	193	135	100



### **PIPE**

### **SAMPLE PART NUMBER:**



48
SECTION 2









\*B48TWB812M = a 118.12" (3 meter) section of 4.8" I.D. TW325 Boom Pipe with Metric Ends

### **SECTION 1**

B = Boom truck
BC = Ultra Plus product
BCC = Chrome Carbide Insert (CCI)

### **SECTION 2: INSIDE DIAMETER**

4 = 4.00" 44 = 4.4" 46 = 4.6" 48 = 4.8" 50 = 5.0" 60 = 6.0"

### **SECTION 3: WALL TYPE**

TW = Standard Weight
TWL = Light Weight
TWUL = Ultra Light Weight
CC = (Chrome Carbide)
XW = Heavy Weight
9 = 9 Gauge
7 = 7 Gauge

### **SECTION 4: OVERALL LENGTH (INCHES)**







0 = 0"	H = 170"	0 = 0"	$06 = \frac{1}{16}$ "
1 = 10"	J = 180"	1 = 1"	12 = 1/8"
2 = 20"	K = 190"	2 = 2"	25 = 1/4"
3 = 30"	L = 200"	3 = 3"	31 = 5/16"
4 = 40"	M = 210"	4 = 4"	37 = 3/8"
5 = 50"	N = 220"	5 = 5"	43 = 1/16"
6 = 60"	P = 230"	6 = 6"	50 = ½"
7 = 70"	Q = 240"	7 = 7"	56 = <sup>9</sup> / <sub>16</sub> "
8 = 80"	R = 250"	8 = 8"	62 = 5/8"
9 = 90"	S = 260"	9 = 9"	68 = 11/16"
A = 100"	T = 270"		75 = <sup>3</sup> / <sub>4</sub> "
B = 110"	U = 280"		81 = <sup>13</sup> / <sub>16</sub> "
C = 120"	V = 290"		87 = <sup>7</sup> / <sub>8</sub> "
D = 130"	W = 300"		93 = 15/16"
E = 140"	X = 310"		
F = 150"	Y = 320"		

### SECTION 5: END STYLE

D = Hevi-Duty M = Metric

#### **SECTION 6**

H = Hardened (blank) = Non-hardened

\*only used for products that have both a hardened and a non-hardened option. Leave blank for TW and CCI products.

### **HOSE**SAMPLE PART NUMBER:



Z = 330"











\*H50S110D2C = a 10' length of 5.0" I.D. Steelbond Discharge Hose with 2 Hevi-Duty Ends

### SECTION 1 H = Hose

### SECTION 2: INSIDE DIAMETER

10 = 1" 12 = 1.25" 15 = 1.5" 20 = 2" 25 = 2.5" 30 = 3" 35 = 3.5" 40 = 4" 45 = 4.5" 50 = 5" 60 = 6"

### **SECTION 3: HOSE TYPE**

G = 160"

FB = Flexbond Discharge S1 = Steelbond Discharge

S2 = Steelbond Boom

N1 = Trelleborg Discharge N2 = Trelleborg Boom

RN = Ruff-Neck Reducing

HW = 2" High Pressure

### SECTION 4: Overall length (feet)

03 = 3' 04 = 4' 05 = 5' 06 = 6' 07 = 7' 08 = 8' 09 = 9' 10 = 10' 11 = 11' 12 = 12' 99 = 99'

100 = 100'

### SECTION 5: END STYLE

M1 = Metric (1 end) D1 = Hevi-Duty (1 end)

M2 = Metric (2 ends)

D2 = Hevi-Duty (2 ends)

TM = Tapered Metric TD = Tapered Hevi-Duty

RD = Tapered Neck Hevi-Duty

RM = Tapered Metric

### **SECTION 6**

C = Steelbond / Flexbond K = Trelleborg / Kleber

For additional information

### EZEAA I

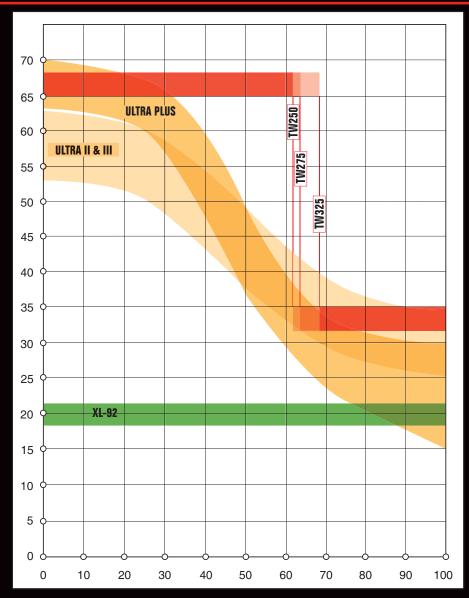
TW275

TW462

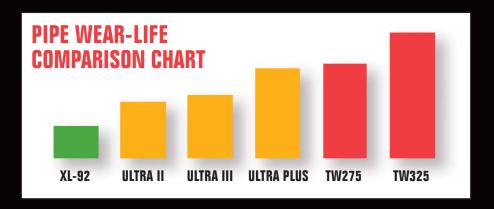
TW250

# HARDNESS PROFILE

Hardness Gradient Through Pipe Wall



% DEPTH THROUGH WALL FROM INSIDE DIAMETER





For over 35 years, Construction Forms, Inc. has been the world leader in developing and supplying induction-hardened, abrasion resistant piping systems to the concrete pumping industry.

### ON THE JOB SITE, SAFETY IS PRIORITY ONE.

That's why it's so important that the concrete pumping systems you use every day are 100% certified to CPMA Safety Standard 27-2000. Within the industry, Con Forms is the first manufacturer to provide this assurance.

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