



# PENGKUN

## CONSTRUCTION MACHINERY

<http://www.pkpumpparts.com>



# I. Straight pipe series

## 1、Concrete pump pipe

### A: Product parameters



Name	Concrete pump pipe
Application	For concrete transportation
Length	1m-6m or according to the customer's requirement
Material	ST52
Thickness	4.0mm/4.5mm/5.0mm/5.5mm.ect.
Capacity	12,000m <sup>3</sup> /15,000m <sup>3</sup> /25,000m <sup>3</sup> /35,000m <sup>3</sup> /50,000m <sup>3</sup>
Collar	SK, ZX, MF, HD flange
Feature	High Wear-resistant, long service life, competitive price

## 2、Concrete wear resistant pipe

### A: Product parameters



Name	Harden pipe
Material	45MN2
Thickness	4.5mm/5.0mm
Capacity	20,000m <sup>3</sup> -80,000m <sup>3</sup>
Weight	43Kg
Length	1-6m, according to customer's requirements
Model	DN125, DN150
Flange	Twin wall flange
Painting	Powder coating
Process	High temperature quenching
Hardness	65 HRC

## 3、Concrete pump reducing pipe



Name	Model	Specifications	Wall thickness	Length		
Concrete pump reducing pipe	DN125	OD175-148	8mm	1.5m		
			8mm	1.2m		
			8mm	1m		
			8mm	0.5m		
			6mm	1.5m		
			6mm	1.2m		
			6mm	1m		
			6mm	0.5m		
			DN150	OD184-157	10mm	1.5m
					10mm	1.2m
	10mm	1m				
	10mm	0.5m				
	8mm	1.5m				
				8mm	1.2m	
				8mm	1m	
			8mm	0.5m		

According to customer needs, can also provide other specifications!

## 4、Concrete pump rubber hose

### A: Product parameters



Name	Rubber hose
Steel wire	2 Layer or 4 Layer
Length	Customized
Material	Natural rubber
Working pressure	50bar-250bar
Size	DN125(5"), DN100(4") etc
Reinforcement	2 or 4 plies of steel wire
Hose Ends	148mm, 157mm
Application Capacity	15,000-20,000 cubic meters

### B: Common specifications introduction



Spec	Inner dia. (mm)	Wall thickness tolerance (mm)	Outer dia. (mm)	Working pressure (bar)	Bursting pressure (bar)	Bend radius (mm)	Weight (kg/m)
2"	50	9±0.75	68±1.5	85	240	200	2.6
2.5"	64	10±0.75	85±1.5	85	240	250	4.3
3"	76.2	12.9±1	102±1.5	85	240	270	6.1
3.5"	89	13.5±1	116±1.5	85	240	290	8
4"	101.6	14.2±1	130±1.75	85	240	300	9
4.5"	115	14±1	143±2	85	240	320	10.2
5.5"	125	16±1	158±2	85	240	360	12.5
6"	150	18±1	168±2	85	240	570	14.85

Other specification upon request

## II. Concrete pipe bending series

### 1、Concrete pump elbow

#### A: Product parameters

Name	Material	Specification	Weight	Capacity	Capacity for two end parts	Max work pressure
Normal bend	ZG40Mn2	DN125*R275*90°	16kgs	6000-8000m <sup>3</sup>	1000-3000m <sup>3</sup>	126 bar
Wear-resistant bend	Mn13-4	DN125*R275*90°	16.5kgs	20000-25000m <sup>3</sup>	2000-7000m <sup>3</sup>	132 bar
Twin wall bend	Cr20NiCu1Mo+G20	DN125*R275*90°	15kgs	60000-80000m <sup>3</sup>	20000-30000m <sup>3</sup>	91 bar
Twin wall bend	GX350+G20	DN125*R275*90°	15kgs	80000-150000m <sup>3</sup>	40000-50000m <sup>3</sup>	98 bar




## B: Common specifications introduction:

	Type	Single wall elbow			Double wall elbow		
	Material	Casting steel, ST52			GX350+ST52		
	Model	DN125	DN150	DN175	DN125	DN125	
	Size	R275*90°	R275*90°+110mm	36°	F2000	R275*90°	R275*90°+110
		R275*45°	R275*90°+211mm	R400*30°	A3000	R275*45°	R275*90°+211
		R275*25°	R275*90°+411mm	R400*45°	471B	R275*25°	R275*90°+411
		R275*20°	R275*90°+424mm	R400*30°	571B	R275*20°	R275*90°+424
		R275*15°	R275*45°+170mm	R488*90°	A1000	R275*15°	R275*45°+170
		R180*90°	R275*45°+310mm	R500*90	C1000	R180*90°	R275*45°+310
		R232*60°	R275*45°+310mm	R280*90°	B2000	R232*60°	R275*45°+310
		R240*36°	20°Lengthen			R240*36°	20°Lengthen
		R240*30°	25°+740mm			R240*30°	25°+740mm
		R240*15°	40°Zoomlion			R240*15°	40°Zoomlion
R385*29°				R385*29°			
R315*33°				R315*33°			
Technology	Casting						
Capacity	25,000 cubic meters			50,000 cubic meters			
Usage	For concrete transport in construction work						

## 2、Concrete pump bend

### A: Product parameters

	Name	Bend
	Color	Customized
	Radius	Customized
	Bend degree	90D, 45D, 30D, 25D, 20D, 15D, 10D etc
	Model Number	DN125, DN150
	Connection	Flange
	Material	Carbon steel

### B: Common specifications introduction

	Specifications	Flange	Material	Thickness	Application PM, Schwing, Sany, Zoomlion, XCMG.
	500 90°, 15°	148	Carbon steel	4.50	
	300 90°	148	Carbon steel	4.50	
	1000 90°, 45°	148	Carbon steel	4.50	
	500 90°, 15°	148	Carbon steel	5.00	
	1000 90°, 45°	148	Carbon steel	5.00	
	1000 45°	148	Carbon steel	6.00	
	500 90°, 15°	157	Carbon steel	6.00	
	1000 90°	157	Carbon steel	6.00	
	1000 45°	157	Carbon steel	6.00	
	500 90°, 15°	157	Carbon steel	5.00	
	1000 90°	157	Carbon steel	5.00	
	1000 45°	157	Carbon steel	5.00	

# III. Connection part

## 1、Flange



Model	DN125, DN150, DN175 (size customized)
Technical	Forging
Application	Connection of concrete pump
Used for	SCHWING, PM, KYOKUTO, SANY, ZOOMLION
Material	16Mn
Capacity	50,000 m <sup>3</sup>
Height (mm)	35, 38, 45.

## 2、Concrete pump clamp

### A: Product parameters



Name	Clamp
Color	Upon request
DN	125mm
Technology	Forging or casting
Flange diameter	148mm/157mm
Style	Fasteners
Structure	Snap clamp
Material	40Cr
Standard or Nonstandard	Standard
Scope of application	Concrete machinery / concrete pump pipe

### B: Common specifications introduction

Product Name	Specification
Bolt clamp	DN50-DN200
Snap clamp	DN50-DN200
Adjustable clamp	DN75-DN125
Non-adjustable clamp	DN100, DN125
Raised lever clamp	DN50-DN125
Mounting clamp	DN125
Conforms clamp	3"HD-5"HD
Wedge clamp	DN125, DN150



## IV. Concrete placing boom

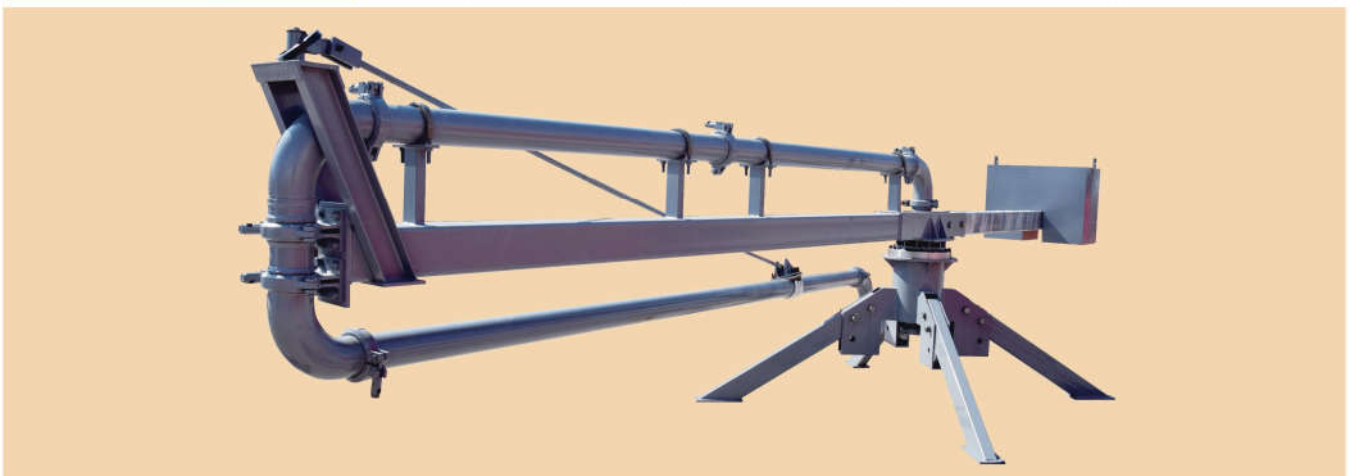
### 1、Manual concrete placing boom



Specification	12m	15m	18m	18m (bearing)
The big arm design	Dual channel	Dual channel	Dual channel	Dual channel
Radius(m)	12	15	18	18
Height	4	4	4	4
Pipe dia. (mm)	125	125	125	125
Leg span (m)	3.2*3.2	4*4	4*4	4*4
Rotation methods	Manual	Manual	Manual	Manual
Total weight (kg)	1100	1500	1600	1600
With weight (kg)	600	800	1000	1000
Slewing bearing type	315	315	380	500
Material	Channel angle	Channel angle	Channel angle	Channel angle
Slewing range	360°	360°	360°	360°

### 2、Manual concrete placing boom

ITEM	UNIT	MODEL			
		HGY13	HGY15	HGY17	HGY18
MAX.Placing radius	m	13	15	17	18
Rotation scope	deg	0-360	0-360	0-360	0-360
Hydraulic system pressure	mpa	24	24	24	24
Concrete delivery pipe inner diameter	mm	Φ 125	Φ 125	Φ 125	Φ 125
Power	kw	4	4	5.5	5.5
Supporting legs span	m	3.15x3.15	4x4	4x4	5x5
Height	m	3.9	2.6	3.2	3.75
Bare machine weight	kg	2700	3230	5000	6700
Balance weight	kg	2x900	2x1100	2200	2200



# V. Other accessories

## 1. Concrete pump pipe cleaning balls



Size	DN100 (4 inch) soft, hard, medium
	DN125(5 inch) soft, hard, medium
	DN150(6 inch) soft, hard, medium
	DN175 or as your requirement
Diameter	45mm-300mm
Density	0.9kg/m <sup>3</sup> -300kg/m <sup>3</sup> , or according to your requirement
Variety	Supply sponge rubber ball, polishing ball, silicone ball
Material	Foam rubber
Application	For cleaning of concrete pump pipe

## 2. Other concrete pump spare parts:

### Wearing parts



### Hydraulic parts



### Electric parts



### Concrete piston



### Others





# COMPANY Introduction

## ● ● ● Cangzhou Pengkun Construction Machinery Pipe Fitting Co.,Ltd

- ◆ Established: in 2007
- ◆ Location: Yanshan county, Hebei Province, China, near to Tianjin Xingang Port
- ◆ Occupy Area: Twenty thousand square meters
- ◆ Market Distribution: America, Korea, the Philippines, Jordan, India, Brazil, the Czech Republic, Singapore, Middle East, Etc
- ◆ Certifications: ISO9001-2000
- ◆ Service Concepts: high efficiency, reliable quality, satisfied service, timely delivery
- ◆ Business Field:

Concrete pump twin wall pipe

Concrete pump single wall pipe

Concrete pump twin wall elbow

Concrete pump casting elbow

Concrete pump flange

Concrete pump reducer

Concrete pump rubber hose

Concrete pump clamp coupling

Concrete pump rubber gasket

Concrete pump pipe cleaning ball

Concrete pump delivery cylinder

Concrete pump piston

Concrete pump wear plate and cutting ring ●●●

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