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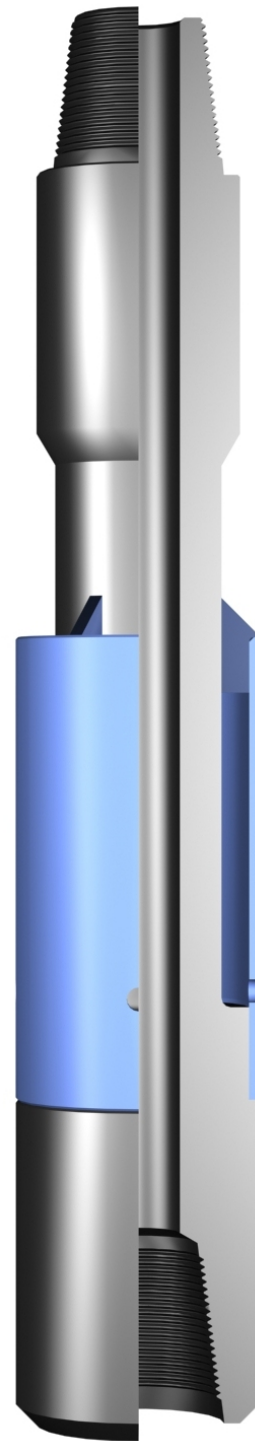
## **PIONEER JUNK SUBS**

Pioneer Junk Subs are designed to remove debris too heavy to be circulated out of the hole and are normally positioned in the drill string, just above the drill bit or mill.

In operation, the debris is brought up from the bottom by this circulation and drops over the lip into the cup as the circulation slows, allowing the denser material to drop back.

The Pioneer Junk Sub is fabricated from high quality steel, incorporating Rib Guides to prevent the cup being crushed.

Pioneer Junks Subs are available in three different cup lengths, the selection depending on the capacity required. If increased capacity is required several Junk Subs can be made up above the drill bit or mill.



**“QUALITY + DELIVERY IS OUR PRIORITY”**

### Hole Size – 4.1/4” – 7.1/2” inclusive

Hole Size		4.1/4” – 4.5/8”	4.5/8” – 4.7/8”	5.1/8” – 5.7/8”	6” – 6.3/8”	6.1/2” – 7.1/2”
Standard Top Connection API Reg.		2.3/8”	2.7/8”	3.1/2”	3.1/2”	3.1/2”
Dia. of Bore		3/4”	1.1/4”	1.1/2”	1.1/2”	1.1/2”
OD of Body (Top Connection)		3.1/8”	3.3/4”	4.1/4”	4.1/4”	4.1/4”
OD of Body (Under Cup)		2”	2.5/8”	3.1/8”	3.1/4”	3.1/4”
ID of Cup		3.5/16”	3.5/8”	4.1/4”	4.9/16”	4.7/8”
OD of Cup		3.11/16”	4”	4.1/2”	5”	5.1/2”
Complete Assy. Standard Type	Part No.	<b>JS 036910</b>	<b>JS 040010</b>	<b>JS 045010</b>	<b>JS 050010</b>	<b>JS 055010</b>
	Weight	55 lbs.	63 lbs.	80 lbs.	83 lbs.	97 lbs.
	Length of Cup	10”	10”	10”	10”	10”
	Total Length	34.1/2”	35”	35.1/2”	36.1/2”	30.1/2”
Complete Assy. Long Type	Part No.	<b>JS 036920</b>	<b>JS 040020</b>	<b>JS 045020</b>	<b>JS 050020</b>	<b>JS 055020</b>
	Weight	65 lbs.	87 lbs.	105 lbs.	120 lbs.	136 lbs.
	Length of Cup	20”	20”	20”	20”	20”
	Total Length	43.1/2”	45”	45.1/2”	46.1/2”	45”
Complete Assy. Extra Long Type	Part No.	<b>JS 036930</b>	<b>JS 040030</b>	<b>JS 045030</b>	<b>JS 050030</b>	<b>JS 055030</b>
	Weight	80 lbs.	108 lbs.	128 lbs.	156 lbs.	183 lbs.
	Length of Cup	30”	30”	30”	30”	30”
	Total Length	53.1/2”	55”	55.1/2”	56.1/2”	55”

### Hole Size – 7.1/2” – 17.1/2” inclusive

Hole Size		7.1/2” – 8.1/2”	8.5/8” – 9.5/8”	9.5/8” – 11.3/8”	11.1/2” – 13”	14.3/4” – 17.1/2”
Standard Top Connection API Reg.		4.1/2”	4.1/2”	6.5/8”	6.5/8”	7.5/8”
Dia. of Bore		2.1/4”	2.1/4”	3.1/2”	3.1/2”	4”
OD of Body (Top Connection)		5.1/2”	5.1/2”	7.3/4”	7.3/4”	8.7/8”
OD of Body (Under Cup)		4.1/2”	4.1/2”	5.3/4”	5.3/4”	7.5/8”
ID of Cup		5.15/16”	6.9/32”	7.15/16”	8.17/32”	11.5/8”
OD of Cup		6.5/8”	7”	8.5/8”	9.5/8”	12.7/8”
Complete Assy. Standard Type	Part No.	<b>JS 066310</b>	<b>JS 070010</b>	<b>JS 086310</b>	<b>JS 096310</b>	<b>JS 128810</b>
	Weight	160 lbs.	168 lbs.	255 lbs.	285 lbs.	628 lbs.
	Length of Cup	10”	10”	10”	10”	10”
	Total Length	38”	31.1/2”	40”	40”	43”
Complete Assy. Long Type	Part No.	<b>JS 066320</b>	<b>JS 070020</b>	<b>JS 086320</b>	<b>JS 096320</b>	<b>JS 128820</b>
	Weight	235 lbs.	246 lbs.	342 lbs.	420 lbs.	827 lbs.
	Length of Cup	20”	20”	20”	20”	20”
	Total Length	48”	46”	50”	50”	50”
Complete Assy. Extra Long Type	Part No.	<b>JS 066330</b>	<b>JS 070030</b>	<b>JS 086330</b>	<b>JS 096330</b>	<b>JS 128830</b>
	Weight	285 lbs.	302 lbs.	430 lbs.	530 lbs.	988 lbs.
	Length of Cup	30”	30”	30”	30”	30”
	Total Length	58”	56”	60”	60”	63”

When ordering, please specify :-

1. Name and Number of Assembly.
2. Size and Type of Connection if other than standard.

**As the policy of Pioneer Oil Tools is one of continual product improvement, we reserve the right to change designs or specifications without notice.**