



## INTEGRAL HEAVY WEIGHT DRILL PIPE

Integral Heavy Weight Drill Pipe is made from AISI 4145H alloy steel. Acc. To API Spec.7 and SY / T5144. It is formed by hot forged and fully heat-treated. There is wear resistance hard banding on tool joints connections and central upset. The types of hard banding include Arnco 100XT and 300XT. All treads are phosphate, copperized or cold worked. All Connections are equipped with pressed steel thread protectors. All threads are machined with CNC Lathes-Double-shouldered and special threads.



### INTEGRAL HEAVY WEIGHT DRILL PIPE SPECIFICATIONS

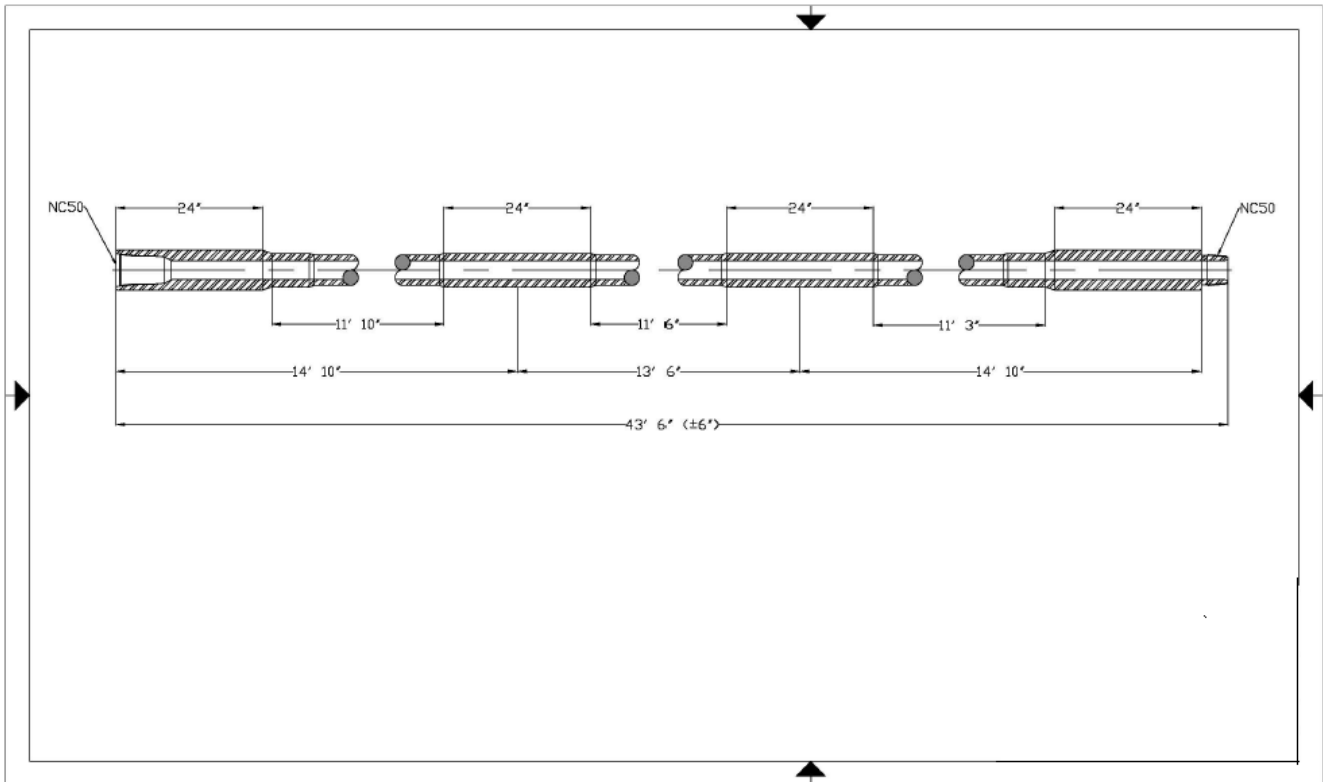
Specification	Outer diameter		Inner diameter		Style	connection			body		W/p Kg
	mm	in	mm	in		Outer diameter		mm	Upsetting sizes		
						mm	in		Center area mm	Bottom area mm	
Type I ( 9300mm/p in length)											
CPS-JZ66-6 5/8F H-I	168.3	6 5/8	114.3	4 1/2	6 5/8FH	209.6	8 1/4	195.7	184.2	176.2	965
CPS-JZ55-5 1/2F H-I	139.7	5 1/2	92.1	3 5/8	5 1/2FH	177.8	7	170.7	152.4	144.5	730
CPS-JZ50-NC50-I	127	5	76.2	3	NC50	168.3	6 5/8	154	139.7	130.2	700
CPS-JZ45-NC46-I	114.3	4 1/2	71.4	2 13/16	NC46	158.8	6 1/4	145.3	127	117.5	585
CPS-JZ35-NC38-I	88.9	3 1/2	52.39	2 1/16	NC8	120.7	4 3/4	116.3	101.6	92.1	370
CPS-JZ29-NC31-I	73.03	2 7/8	50.8	2	NC31	104.8	4 1/8	100.4	84.1	81	220
Type II (13500mm/p in length)											
CPS-JZ50-NC50-II	127	5	76.2	3	NC50	168.3	6 5/8	154	139.7	130.2	945
CPS-JZ45-NC46-II	114.3	4 1/2	71.4	2 13/16	NC31	158.8	6 1/4	145.3	127	117.5	790

**MECHANICAL PROPERTIES OF HEAVY WEIGHT DRILL PIPE**

Yield strength	Tensile strength	Elongation	Hardness (Brinell)	Impact value (Charpy-v)
≥758	≥964	≥13	285-341	≥54

**TOLERANCES OF HEAVY WEIGHT DRILL PIPE**

Outer diameter	Inner diameter	Length	Chamfer	Inner and outer thread connection	upsetting	
					D	B
±0.8	±1.60	±150	±0.4	±0.8	±0.75%D	0.8 0



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