



Heavy Weight Drill Pipe Specifications

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 HWDP Specifications

SPECIFICATION	OUTER DIAMETER		INNER DIAMETER		STYLE	CONNECTION OUTER DIAMETER			BODY UPSETTING SIZES		W/P KG
	MM	IN	MM	IN		MM	IN	MM	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 5/8 FH	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 1/2 FH	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	NC 8	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 (1350mm/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-ZJ45-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 HWDP

YEILD STRENGTH	TENSILE STRENGTH	ELONGATION	HARDNESS (BRINELL)	IMPACT VALUE (CHARPY-V)
>758	>964	>13	285- 341	>54

Tolerances of HWDP

OUTER DIAMETER	INNER DIAMETER	LENGTH	CHAMFER	INNER & OUTER THREAD CONNECTION	UPSETTING	D	B
±0.8	±1.60	±150	±0.4	±0.8	±0.75%D		0.8

