

WELL SERVICE SEATS				
Roughneck	Ser. Master	SPM	MacClatchie	Novatech
HF-1A-S01	1A-WG-4			NF-1A-S1
HF-1A-S02	1A-WG-6			
HF-1A-S03	1A-WG-7			
HF-2-S01	2-WG-3	P101724		NF-2-S1
HF-2-S02	2-WG-8			NF-2-S2
HF-2-S03	2-WG-10			
HF-2-S04	2-WG-11			
HF-2-S05	2-WG-13			NF-2-S5
HF-2-S06	17001	P102199		NF-2-S6
HF-2-S07	16470			NF-2-S7
HF-2-S08	2-WG-5			NF-2-S8
HF-2-S09				NF-2-S9
HF-3-S02				
HF-3-S03	3-WG-4	P102204		NF-3-S3
HF-3-S04	15669	P102196		NF-3-S4
HF-3-S05	3-WG-3			
HF-3-S06	3-WG-9			NF-3-S6
HF-3-S09			45208	NF-3-S9
HF-3-S10				NF-3-S10
HF-3-S11				NF-3-S11
HF-3-S12				
HF-4-S01	14-WG-25	P101764	45267	NF-4-S1
HF-4-S02	14-WG-10	P101718	45267	NF-4-S2

WELL SERVICE VALVES					
Roughneck	Ser. Mast. II	Ser. Mast. I	SPM	MacClatchie	Novatech
HF-1A-V01	U24839	U6-22			NF-1A-V1
HF-2-V01	U27032	U6-09	P101725		NF-2-V1
HF-2-V02		U16469A	P102198		NF-2-V2
HF-2-V03					NF-2-V3
HF-3-V02					
HF-3-V03	U23617	U6-02	P102195	40176	NF-3-V3
HF-3-V04	U23595	U6-01	P102203	40176	NF-3-V4
HF-3-V05		U6-03			
HF-3-V06		U6-08		40192	NF-3-V6
HF-3-V07					
HF-4-V01	U23317	U6-11	P101766		NF-4-V1
HF-4-V02	U23795F	U6-14	P101719	40271	NF-4-V2
HF-4-V03	U24167	U15665A			NF-4-V3
HF-4-V05	*U23317	U6-10			NF-4-V5
HF-4-V07	*U23795F	U6-13	P101760		NF-4-V7
HD-4-V01		U6-30			ND-4-V1
HD-4-V02					
HF-5-V01	U23318	U6-21	P101765	40537,40254	NF-5-V1
HF-5-V01	U23318	U6-04		40254,40399	NF-5-V1
HF-5-V02		U17989A	P102205		
HF-5-V03					
HF-5-V04	U27005				NF-5-V4
HF-5-V07					

HF-4-S02	14-WG-1 6		45194	NF-4-S2
HF-4-S04	15668	P10220 0		NF-4-S4
HF-4-S05	14-WG-2 0			NF-4-S5
HF-4-S06	14-WG-7		45236	
HF-4-S07	14-WG-2			NF-4-S7
HF-4-S08	14-WG-3		45206	NF-4-S8
HF-4-S10	14-WG-8		45341	NF-4-S1 0
HF-4-S12	14-WG-1 1		45205	NF-4-S1 2
HF-4-S12	14-WG-9		45205	NF-4-S1 2
HF-4-S12	14-WG-1 5		45205	NF-4-S1 2
HF-4-S13	14-WG-1 3		45209	
HF-4-S16	14-WG-1 4		45362	NF-4-S1 6
HF-4-S17	23796-2			NF-4-S1 7
HF-4-S18	23796-1			NF-4-S1 8
	23800			
	24018			
	24020			
HF-5-S01	5-WG-7	P10176 3	45384	NF-5-S1
HF-5-S02	5-WG-1	P10217 2	45346	NF-5-S2
HF-5-S03	16140	P10220 6		
HF-5-S04	27003			NF-5-S4
HF-5-S05	5-WG-4		45356	
HF-5-S05	5-WG-9		45356	
HF-5-S06	5-WG-5		45538	NF-5-S6
HF-5-S07				
HF-5-S08				

HF-5-V09					
HD-5-V01		U6-06			ND-5-V1
HF-6-V01	U23319	U6-20	P10177 0	40289	NF-6-V1
HF-6-V03		U6-38		40181	NF-6-V3
HF-7-V01	U23320	U6-17	P10177 5	40380	NF-7-V1

* Not directly interchangeable but can be used in this service.

WELL SERVICE VALVE INSERTS					
Roughneck	Ser. Mast. II	Ser. Mast. I	SPM	Novatech	Remarks
HF-1A-I	24840	13120-A A		NF-1A-I	Abras. Res.
HF-2-I	27033	13032-A A	P10172 6	NF-2-I	Abras. Res.
HF-2-I-Y					Injection
HF-2-IA				NF-2-IA	Abras. Res.
HF-3-I	23596	12570-A A	P10219 7	NF-3-I	Abras. Res.
HF-3-IA		12570-A A1		NF-3-IA	Abras. Res.
HF-3-IB-NR					Bonded
HF-4-I	23300	13097-A A	P10176 9	NF-4-I	Abras. Res.
HF-4-I-Y					Injection
HF-4-IA	23794	13097-A A1	P10172 0	NF-4-IA	Abras. Res.
HF-4-IA-Y					Injection
HF-4-IA-V					Viton
HF-4-I-BJ					BJ
HF-4-IR					Buna
HTF-4-I					H. Temp
HD-4-I-HA R					Acid Resis.

HF-6-S02	6-WG-1			
HF-6-S03	6-WG-8	P10176 8	45349	NF-6-S3
HF-6-S05	6-WG-9		45230	
HF-7-S01	7-WG-2	P10177 3	45382	NF-7-S1

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HD-4-IA-H AR					Acid Resis.
HF-5-I	23305	12535-A A	P10176 7	NF-5-I	Abras. Res.
HF-5-I-Y					Injection
HF-5-I-BJ					BJ
HF-5-I-V					Viton
HTF-5-I					H. Temp
HD-5-I-HA R					Acid Resis.
HF-6-I	23310	13992-A A	P10172 2	NF-6-I	Abras. Res.
HF-6-I-HTC R					H. Temp
HF-6-I-Y					Injection
HF-7-I	23315	13142-A A	P10177 7	NF-7-I	Abras. Res.
HF-7-I-Y					Injection