

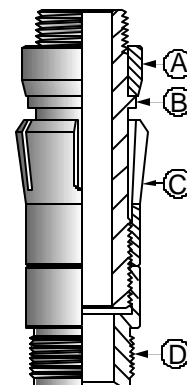


OIL WELL PUMP PARTS AND ACCESSORIES

HOLD-DOWN ASSEMBLY, MECHANICAL, API TYPE TOP LOCK, API S21 (78)

(see notes)

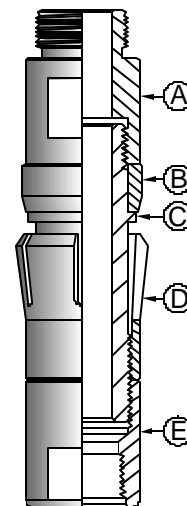
TUBING SIZE		2-3/8"	2-7/8"	3-1/2"	
PUMP BORE	RW	1-1/2"	2"	2-1/2"	
	RH	1-1/4"	1-1/2" & 1-3/4"	2-1/4"	
THREAD SIZE	TOP PIN	1.4704-14	1.8024-14	2.1095-11 1/2	
	BOTTOM PIN	1.5730-16	2.0870-16	2.5730-16	
I.D.		1.000"	1.250"	1.500"	
API NUMBER		S21-20	S21-25	S21-30	
ITEM	NO. REQ'D.	DESCRIPTION	COMPONENT PART NUMBER		
A	1	Seat	78K2	78N2	78Q2
B	1	Mandrel	78K3	78N3	78Q3
C	1	Lock	78K4	78N4	78Q4
D	1	Barrel Bushing	78K6	78N6	78Q6



HOLD-DOWN ASSEMBLY, MECHANICAL API S21 TOP LOCK CONVERTED TO BOTTOM LOCK (78)

(see notes)

TUBING SIZE		2-3/8"	2-7/8"	3-1/2"	
THREAD SIZE	TOP PIN	1.4704-14	1.8024-14	2.1095-11 1/2	
	BOTTOM BOX	1"L.P.	1-1/4"L.P.	1-1/2"L.P.	
ITEM	NO. REQ'D.	DESCRIPTION	COMPONENT PART NUMBER		
A	1	Top Bushing	78K1	78N1	78Q1
B	1	Seat	78K2	78N2	78Q2
C	1	Mandrel	78K3	78N3	78Q3
D	1	Lock	78K4	78N4	78Q4
E	1	Coupling	78K5	78N5	78Q5



Notes:

- 1.) Seat material is Stainless Steel, hardened to 38-42 HRC.
 - 2.) Lock material is Alloy Steel, hardened to 41-45 HRC.
 - 3.) All other component parts are made of Carbon Steel.
 - 4.) These hold-down assemblies are used with **96-series(API N14) Seating Nipples**.
- See 96-series Seating Nipples parts section for complete part number and material availability.