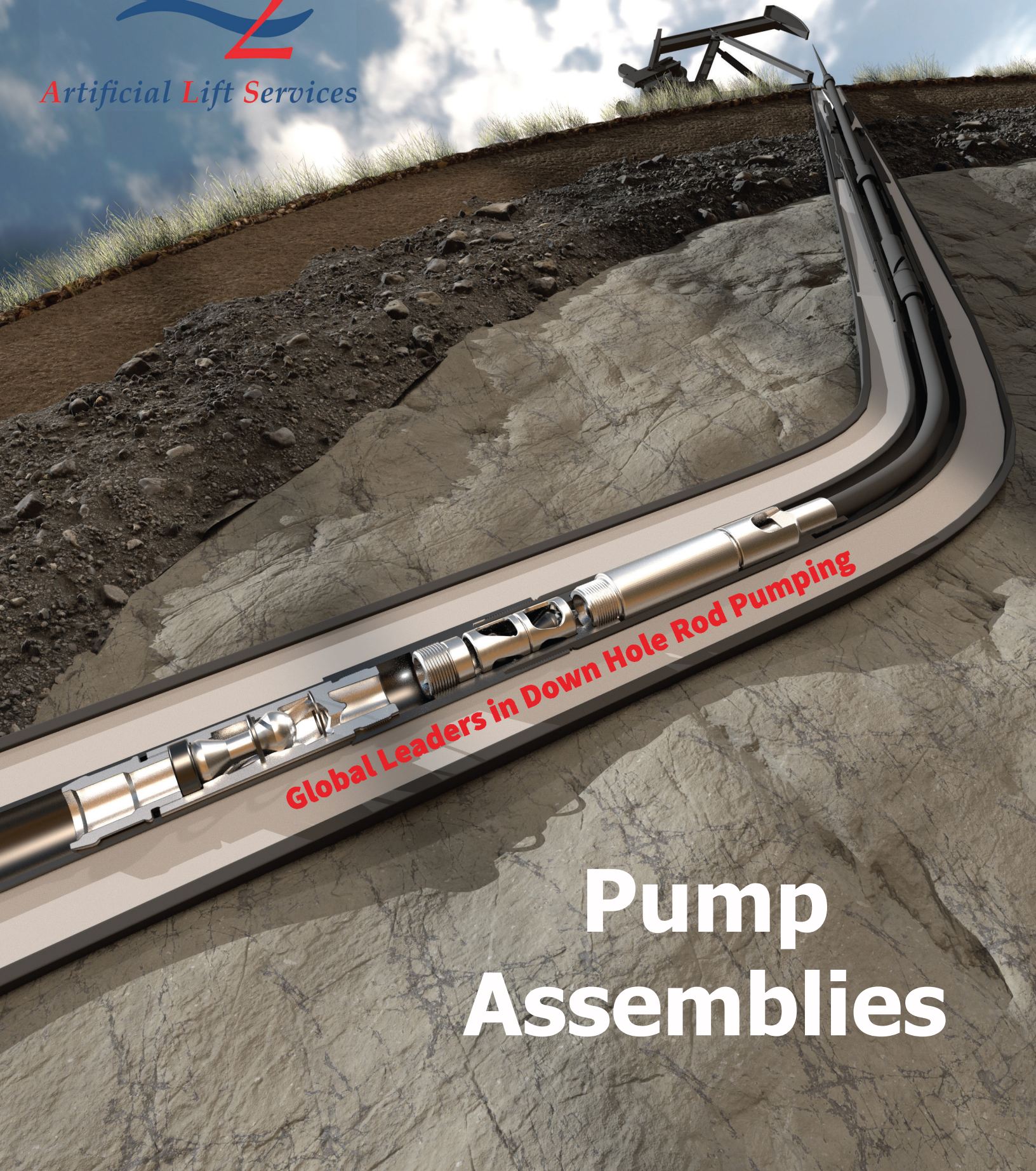




Artificial Lift Services

“Q2 is Technology & Innovation in Motion”



Global Leaders in Down Hole Rod Pumping

Pump Assemblies



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API STANDARD RWAC PUMP

ROD, STATIONARY THIN WALL BARREL, TOP CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-1/4"	2-3/8" x 1-1/2"	2-7/8" x 2"	3-1/2" x 2-1/2"
			API Pump Designation	20-125 RWAC	20-150 RWAC	25-200 RWAC	30-250 RWAC
			Description	Part Number			

Plunger Assembly

1	B21	1	Bushing Valve Rod	U23K	U23K	U23N	U23Q
2	R11	1	Rod, Valve ^A	114FU	114FU	114KU	114NU
3	C12	1	Cage, Top Plunger	U47D	U47F	U47K	U47N
4	P21	1	Plunger, One Piece ^{A, E}	102DCL-F-M-G	102FCL-F-M-G	102KCL-F-M-G	102NCL-F-M-G
5	C13	1	Cage, Closed, Pin Plunger	U39D	U39F	U39K	U39N
6	V11	1	Valve, Ball, and Seat	12DU	12FU	12KU	12PU2
7	P12	1	Plug Seat	U98D	U98F	U98K	U98N

Barrel Assembly

8	G11	1	Guide, Valve Rod	U70K	U70K	U70N	U70Q
9	S15	1	Bushing, Top Anchor	U25KD	U25KF	U25NK	U25QN
10	B11	1	Barrel, Thin Wall ^{A, E}	U15DLP	U15FLP	U15KLP	U15NLP
11	C14	1	Cage, Closed Barrel	U37HD	U37H	U37M	U37P
12	V11	1	Valve, Ball, and Seat	12HU	12HU	12MU	12PU2
13	B22	1	Bushing, Seat, Barrel Cage	U22K	U22K	U22N	U22Q

Hold-Down Assembly

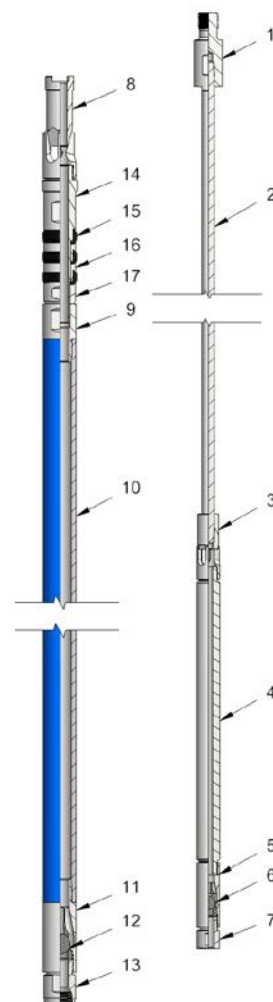
14	S11	1	Seating Mandrel, Cup, RP	U85K	U85K	U85N	U85Q
15	S12	3	Seating Cup, Type HR, RP	625J+30	625J+30	625M+70	625P+70
16	S13	2	Seating Cup Ring, Type HR	U110K	U110K	U110N	U110Q
17	S14	1	Seating Cup Nut, Type HR	U95K	U95K	U95N	U95Q

Seating Nipple

	N11	1	Nipple, Seating, Cup ^B	U89K	U89K	U89N	U89Q
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Fishing Neck Size

			Valve Rod Guide	1.500"	1.500"	1.625"	1.625"
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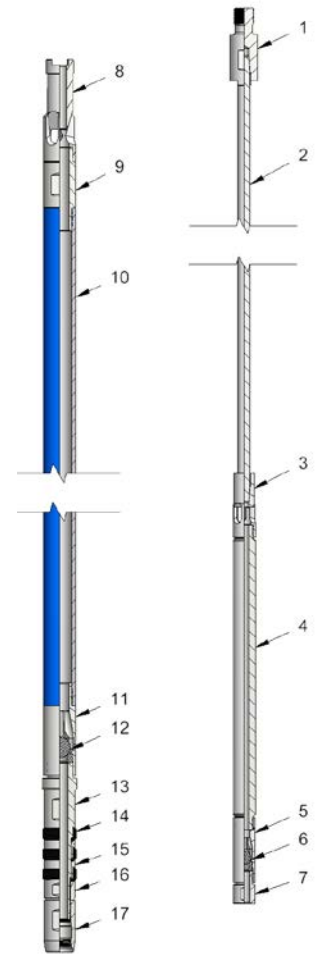
NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available either with Friction Ring Hold-Down (**RWAFR**), Mechanical Hold-Down (**RWAM**) or Combination Cup/Mechanical Hold-Down (**RWACM**).
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: 102DCL-F-M-G, U15DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options

API STANDARD RWBC PUMP

ROD, STATIONARY THIN WALL BARREL, BOTTOM CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-1/4"	2-3/8" x 1-1/2"	2-7/8" x 2"	3-1/2" x 2-1/2"
			API Pump Designation	20-125 RWBC	20-150 RWBC	25-200 RWBC	30-250 RWBC
			Description	Part Number			
Plunger Assembly							
1	B21	1	Bushing Valve Rod	U23K	U23K	U23N	U23Q
2	R11	1	Rod, Valve ^A	114FU	114FU	114KU	114NU
3	C12	1	Cage, Top Plunger	U47D	U47F	U47K	U47N
4	P21	1	Plunger, One Piece ^{A, E}	102DCL-F-M-G	102FCL-F-M-G	102KCL-F-M-G	102NCL-F-M-G
5	C13	1	Cage, Closed, Pin Plunger	U39D	U39F	U39K	U39N
6	V11	1	Valve, Ball, and Seat	12DU	12FU	12KU	12PU
7	P12	1	Plug Seat	U98D	U98F	U98K	U98N
Barrel Assembly							
8	G11	1	Guide, Valve Rod	U70K	U70K	U70N	U70Q
9	C21	1	Connector, Upper Barrel	U41F	U41K	U41N	U41Q
10	B11	1	Barrel, Thin Wall ^{A, E}	U15DLP	U15FLP	U15KLP	U15NLP
11	C14	1	Cage, Closed Barrel	U37HD	U37H	U37M	U37P
12	V11	1	Valve, Ball, and Seat	12HU	12HU	12MU	12PU2
Hold-Down Assembly							
13	S11	1	Seating Mandrel, Cup, RP	U85K	U85K	U85N	U85Q
14	S12	3	Seating Cup, Type HR, RP	625J+30	625J+30	625M+70	625P+70
15	S13	2	Seating Cup Ring, Type HR	U110K	U110K	U110N	U110Q
16	S14	1	Seating Cup Nut, Type HR	U95K	U95K	U95N	U95Q
17	S16	1	Coupling, Bottom Anchor	U50K	U50K	U50N	U50Q
Seating Nipple							
	N11	1	Nipple, Seating, Cup ^B	U89K	U89K	U89N	U89Q
Fishing Neck Size							
			Valve Rod Guide	1.500"	1.500"	1.625"	1.625"



NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available either with Friction Ring Hold-Down (**RWBFR**), Mechanical Hold-Down (**RWBM**) or Combination Cup/Mechanical Hold-Down (**RWBCM**).
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: 102DCL-F-M-G, U15DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options

API STANDARD RHAC PUMP

ROD, STATIONARY HEAVY WALL BARREL, TOP CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-1/4"	2-7/8" x 1-1/2"	2-7/8" x 1-3/4"	3-1/2" x 2-1/4"
			API Pump Designation	20-125 RHAC	25-150 RHAC	25-175 RHAC	30-225 RHAC
			Description	Part Number			

Plunger Assembly

1	B21	1	Bushing Valve Rod	U23K	U23N	U23N	U23Q
2	R11	1	Rod, Valve ^A	114FU	114KU	114KU	114NU
3	C12	1	Cage, Top Plunger	U47D	U47F	U47H	U47M
4	P21	1	Plunger, One Piece ^{A, E}	102DCL-F-M-G	102FCL-F-M-G	102HCL-F-M-G	102MCL-F-M-G
5	C13	1	Cage, Closed, Pin Plunger	U39D	U39F	U39H	U39M
6	V11	1	Valve, Ball, and Seat	12DU	12FU	12HU	12MU
7	P12	1	Plug Seat	U98D	U98F	U98H	U98M

Barrel Assembly

8	G11	1	Guide, Valve Rod	U70K	U70N	U70N	U70Q
9	S15	1	Bushing, Top Anchor	U25KF	U25NK	U25NK	U25QN
10	C31	1	Coupling, Extension	U45D	U45F	U45H	U45M
11	B12	1	Barrel, Heavy Wall, RH ^{A, E}	U16DLP	U16FLP	U16HLP	U16MLP
12	C31	1	Coupling, Extension	U45D	U45F	U45H	U45M
13	C14	1	Cage, Closed Barrel	U37H	U37M	U37M	U37P
14	V11	1	Valve, Ball, and Seat	12HU	12MU	12MU	12PU2
15	B22	1	Bushing, Seat, Barrel Cage	U22K	U22N	U22N	U22Q

Hold-Down Assembly

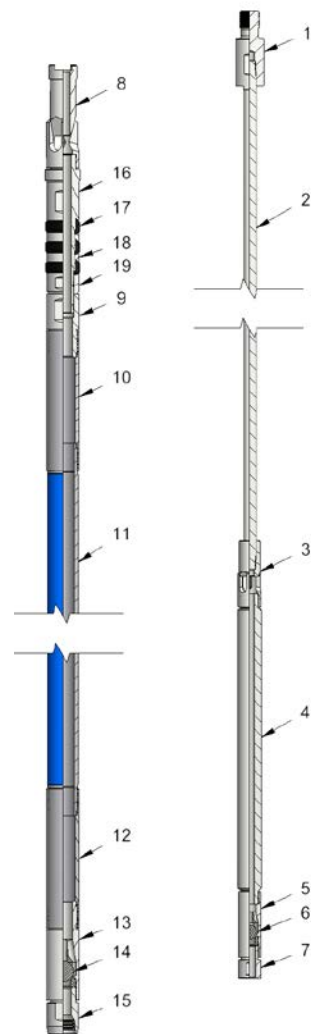
16	S11	1	Seating Mandrel, Cup, RP	U85K	U85N	U85N	U85Q
17	S12	3	Seating Cup, Type HR, RP	625J+30	625M+30	625M+70	625P+70
18	S13	2	Seating Cup Ring, Type HR	U110K	U110N	U110N	U110Q
19	S14	1	Seating Cup Nut, Type HR	U95K	U95N	U95N	U95Q

Seating Nipple

N11	1	Nipple, Seating, Cup ^B	U89K	U89N	U89N	U89Q
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Fishing Neck Size

		Valve Rod Guide	1.500"	1.500"	1.625"	1.625"
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NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available either with Friction Ring Hold-Down (**RHAFR**), Mechanical Hold-Down (**RHAM**) or Combination Cup/Mechanical Hold-Down (**RHACM**).
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: 102DCL-F-M-G, U16DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options

API STANDARD RHBC PUMP

ROD, STATIONARY HEAVY WALL BARREL, BOTTOM CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-1/4"	2-7/8" x 1-1/2"	2-7/8" x 1-3/4"	3-1/2" x 2-1/4"
			API Pump Designation	20-125 RHBC	25-150 RHBC	25-175 RHBC	30-225 RHBC
			Description	Part Number			

Plunger Assembly

1	B21	1	Bushing Valve Rod	U23K	U23N	U23N	U23Q
2	R11	1	Rod, Valve ^A	114FU	114KU	114KU	114NU
3	C12	1	Cage, Top Plunger	QU47D	QU47F1	QU47H	QU47M
4	P21	1	Plunger, One Piece ^{A, E}	102DCL-F-M-G	102FCL-F-M-G	102HCL-F-M-G	102MCL-F-M-G
5	C13	1	Cage, Closed, Pin Plunger	U39D	U39F	U39H	U39M
6	V11	1	Valve, Ball, and Seat	12DU	12FU	12HU	12MU
7	P12	1	Plug Seat	U98D	U98F	U98H	U98M

Barrel Assembly

8	G11	1	Guide, Valve Rod	U70K	U70N	U70N	U70Q
9	C21	1	Connector, Upper Barrel	U41K	U41N	U41N	U41Q
10	C31	1	Coupling, Extension	U45D	U45F	U45H	U45M
11	B12	1	Barrel, Heavy Wall, RH ^{A, E}	U16DLP	U16FLP	U16HLP	U16MLP
12	C31	1	Coupling, Extension	U45D	U45F	U45H	U45M
13	C14	1	Cage, Closed Barrel	U37H	U37M	U37M	U37P
14	V11	1	Valve, Ball, and Seat	12HU	12MU	12MU	12PU2

Hold-Down Assembly

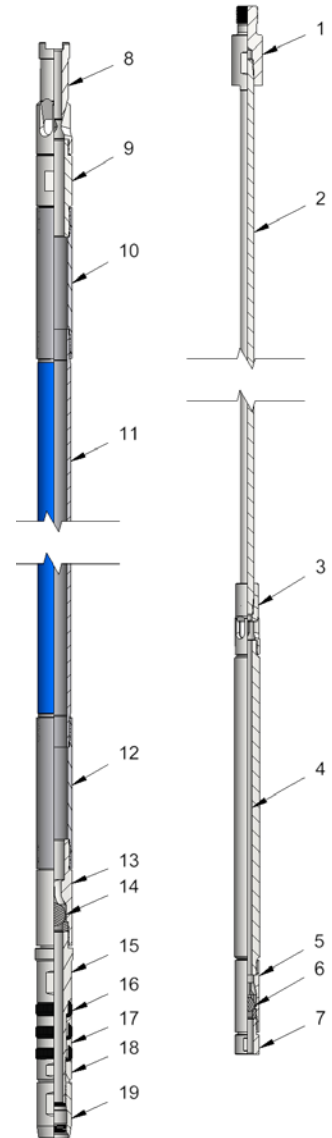
15	S11	1	Seating Mandrel, Cup, RP	U85K	U85N	U85N	U85Q
16	S12	3	Seating Cup, Type HR, RP	625J+30	625M+30	625M+70	625P+70
17	S13	2	Seating Cup Ring, Type HR	U110K	U110N	U110N	U110Q
18	S14	1	Seating Cup Nut, Type HR	U95K	U95N	U95N	U95Q
19	S16	1	Coupling, Bottom Anchor	U50K	U50N	U50N	U50Q

Seating Nipple

N11	1	Nipple, Seating, Cup ^B	U89K	U89N	U89N	U89Q
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Fishing Neck Size

		Valve Rod Guide	1.500"	1.500"	1.625"	1.625"
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NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available either with Friction Ring Hold-Down (**RHBF**), Mechanical Hold-Down (**RHBM**) or Combination Cup/Mechanical Hold-Down (**RHBCM**).
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: 102DCL-F-M-G, U16DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options

API STANDARD RWTC PUMP

ROD, TRAVELING THIN WALL BARREL, BOTTOM CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-1/4"	2-3/8" x 1-1/2"	2-7/8" x 2"	3-1/2" x 2-1/2"
			API Pump Designation	20-125 RWTC	20-150 RWTC	25-200 RWTC	30-250 RWTC
			Description	Part Number			

Plunger Assembly

1	C12	1	Cage, Top Plunger	U34D	U34F	U34K	U34N
2	V11	1	Valve, Ball, and Seat	12DU	12FU	12KU	12PU2
3	P21	1	Plunger, One Piece ^{A, E}	102DCL-F-M-G	102FCL-F-M-G	102KCL-F-M-G	102NCL-F-M-G
4	C32	1	Coupling, Pull Tube, Upper	U48D	U48F	U48K	U48P
5	T11	1	Tube, Pull ^A	U125D	U125F	U125K	U125M
6	C33	1	Coupling, Pull Tube, Lower	U49D	U49F	U49K	U49M

Barrel Assembly

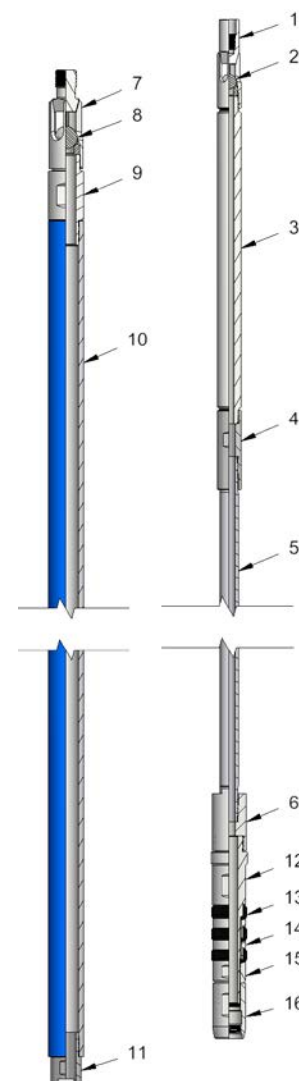
7	C11	1	Cage, Top Open	U33H	U33H	U33M	U33P
8	V11	1	Valve, Ball, and Seat	12HU	12HU	12MU	12PU2
9	C21	1	Connector, Upper Barrel	U41F	U41K	U41N	U41Q
10	B11	1	Barrel, Thin Wall ^{A, E}	U15DLP	U15FLP	U15KLP	U15NLP
11	P11	1	Plug, Pull	U97D	U97F	U97K	U97M

Hold-Down Assembly

12	S11	1	Seating Mandrel, Cup, RP	U85K	U85K	U85N	U85Q
13	S12	3	Seating Cup, Type HR, RP	625J+30	625J+30	625M+70	625P+70
14	S13	2	Seating Cup Ring, Type HR	U110K	U110K	U110N	U110Q
15	S14	1	Seating Cup Nut, Type HR	U95K	U95K	U95N	U95Q
16	S16	1	Coupling, Bottom Anchor	U50K	U50K	U50N	U50Q

Seating Nipple

	N11	1	Nipple, Seating, Cup ^B	U89K	U89K	U89N	U89Q
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NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available either with Friction Ring Hold-Down (**RWTFR**), Mechanical Hold-Down (**RWTM**) or Combination Cup/Mechanical Hold-Down (**RWTM**).
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: 102DCL-F-M-G, U15DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options

API STANDARD RHTC PUMP

ROD, TRAVELING HEAVY WALL BARREL, BOTTOM CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-1/4"	2-7/8" x 1-1/2"	3-1/2" x 2-1/4"
			API Pump Designation	20-125 RHTC	25-150 RHTC	30-225 RHTC
			Description	Part Number		

Plunger Assembly

1	C12	1	Cage, Top Plunger	U34D	U34F	U34M
2	V11	1	Valve, Ball, and Seat	12DU	12FU	12MU
3	P21	1	Plunger, One Piece ^{A, E}	102DCL-F-M-G	102FCL-F-M-G	102MCL-F-M-G
4	C32	1	Coupling, Pull Tube, Upper	U48D	U48F	U48M
5	T11	1	Tube, Pull ^A	U125D	U125F	U125M
6	C33	1	Coupling, Pull Tube, Lower	U49D	U49F	U49M

Barrel Assembly

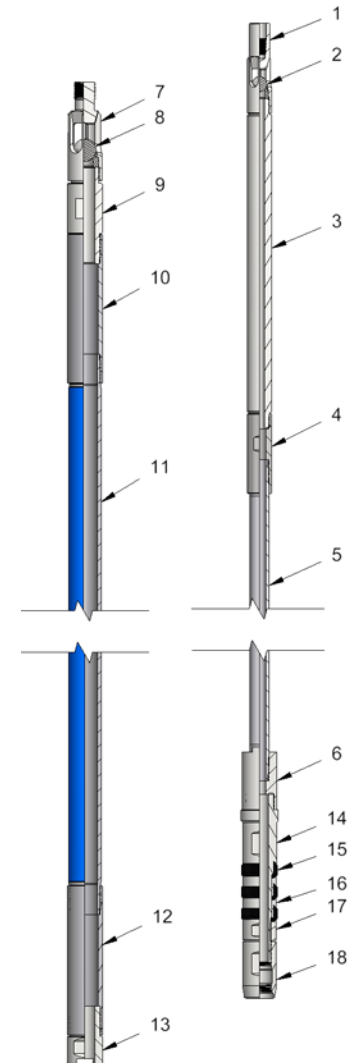
7	C11	1	Cage, Top Open	U33H	U33M	U33P
8	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU2
9	C21	1	Connector, Upper Barrel	U41K	U41N	U41Q
10	C31	1	Coupling, Extension	U45D	U45F	U45M
11	B12	1	Barrel, Thin Wall ^{A, E}	U16DLP	U16FLP	U16MLP
12	C31	1	Coupling, Extension	U45D	U45F	U45M
13	P11	1	Plug, Pull	U97D	U97F	U97M

Hold-Down Assembly

14	S11	1	Seating Mandrel, Cup, RP	U85K	U85N	U85Q
15	S12	3	Seating Cup, Type HR, RP	625J+30	625M+70	625P+70
16	S13	2	Seating Cup Ring, Type HR	U110K	U110N	U110Q
17	S14	1	Seating Cup Nut, Type HR	U95K	U95N	U95Q
18	S16	1	Coupling, Bottom Anchor	U50K	U50N	U50Q

Seating Nipple

	N11	1	Nipple, Seating, Cup ^B	U89K	U89N	U89M
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NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available either with Friction Ring Hold-Down (**RHTFR**), Mechanical Hold-Down (**RHTM**) or Combination Cup/Mechanical Hold-Down (**RHTCM**).
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: 102DCL-F-M-G, U16DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options

API STANDARD THC PUMP

TUBING, HEAVY WALL BARREL, BOX END PLUNGER CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-3/4"	2-7/8" x 2-1/4"	3-1/2" x 2-3/4"
			API Pump Designation	20-175 THC	25-225 THC	30-275 THC
			Description	Part Number		

Plunger Assembly

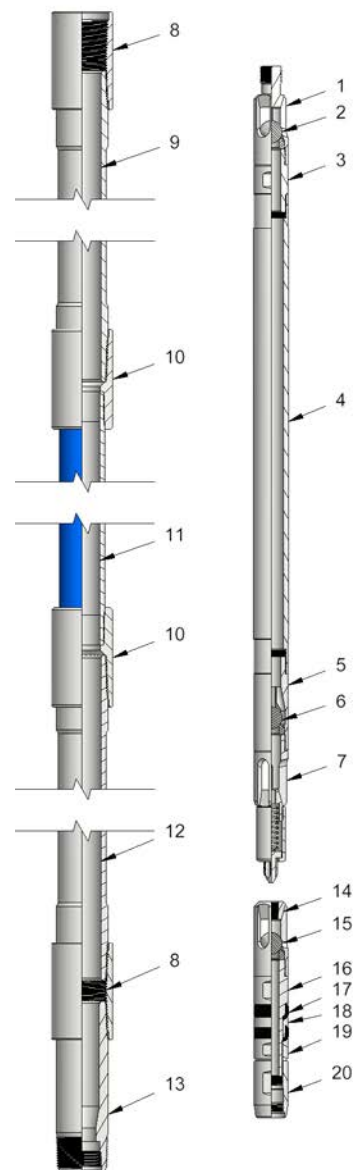
1	C11	1	Cage, Top Open	U33H	U33M	U33P
2	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU
3	C22	1	Connector, Box Plunger	U42H	U42M	U42P
4	P23	1	Plunger, Box End, TP ^{A, D}	100HCL-F	100MCL-F	100PCL-F
5	C15	1	Cage, Closed, Box Plunger	U40H	U40M	U40P
6	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU2
7	P31	1	Puller, Standing Valve	U106H	U106M	U106P

Barrel Assembly

8	C34	2	Coupling, Tubing	U70-1	U70-2	U70-3
9	N21	1	Nipple, Extension, Upper ^A	U88K	U88N	U88Q
10	C35	2	Coupling, Barrel	U46H	U46M	U46P
11	B13	1	Barrel, Heavy Wall, TP ^{A, D}	U17HLP	U17MLP	U17PLP
12	N22	1	Nipple, Extension, Lower ^A	U88K-1	U88N-1	U88Q-1
13	N13	1	Nipple, Seating, 2 Cup Type	U90K	U90N	U90Q

Standing Valve Assembly

14	C16	1	Cage, Standing Valve	U35H	U35M	U35P
15	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU
16	S17	1	Seating Mandrel, Cup, TP	U86H1	U86M1	U86P
17	S18	2	Seating Cup, Type HR, TP	625H-10	625M-10	625P-10
18	S13	1	Seating Cup Ring, Type HR	U110K	U110N	U110Q
19	S14	1	Seating Cup Nut, Type HR	U95K	U95N	U95Q
20	S16	1	Coupling, Bottom Anchor	U50K	U50N	U50Q



NOTES:

- Specify length in feet.
- Available with Friction Ring Hold-Down (**THFR**).
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: 100HCL-F, U17HLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, P = Plating
- Contact sales for detailed length and material options

API STANDARD THC PUMP

TUBING, HEAVY WALL BARREL, PIN END PLUNGER CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-3/4"	2-7/8" x 2-1/4"	3-1/2" x 2-3/4"
			API Pump Designation	20-175 THC	25-225 THC	30-275 THC
			Description	Part Number		

Plunger Assembly

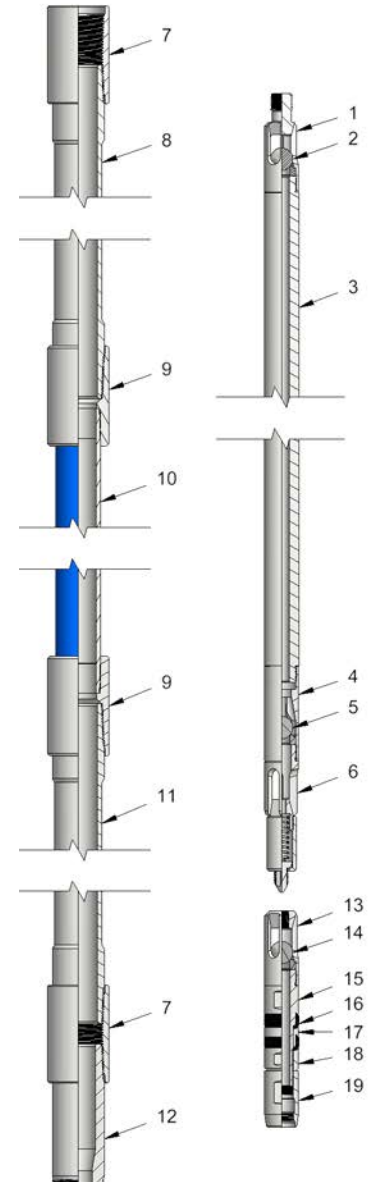
1	C11	1	Cage, Top Open	U33H	U33M	U33P
2	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU
3	P21	1	Plunger, One Piece ^{A, D}	102HCL-F-M-G	102MCL-F-M-G	102PCL-F-M-G
4	C13	1	Cage, Closed, Pin Plunger	U39H	U39M	U39P
5	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU2
6	P31	1	Puller, Standing Valve	U106H	U106M	U106P

Barrel Assembly

7	C34	2	Coupling, Tubing	U70-1	U70-2	U70-3
8	N21	1	Nipple, Extension, Upper ^A	U88K	U88N	U88Q
9	C35	2	Coupling, Barrel	U46H	U46M	U46P
10	B13	1	Barrel, Heavy Wall, TP ^{A, D}	U17HLP	U17MLP	U17PLP
11	N22	1	Nipple, Extension, Lower ^A	U88K-1	U88N-1	U88Q-1
12	N13	1	Nipple, Seating, 2 Cup Type	U90K	U90N	U90Q

Standing Valve Assembly

13	C16	1	Cage, Standing Valve	U35H	U35M	U35P
14	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU
15	S17	1	Seating Mandrel, Cup, TP	U86H1	U86M1	U86P
16	S18	2	Seating Cup, Type HR, TP	625H-10	625M-10	625P-10
17	S13	1	Seating Cup Ring, Type HR	U110K	U110N	U110Q
18	S14	1	Seating Cup Nut, Type HR	U95K	U95N	U95Q
19	S16	1	Coupling, Bottom Anchor	U50K	U50N	U50Q



NOTES:

- Specify length in feet.
- Available with Friction Ring Hold-Down (**THFR**).
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: 102HCL-F-M-G, U17HLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- Contact sales for detailed length and material options

API STANDARD THM PUMP

TUBING, HEAVY WALL BARREL, BOX END PLUNGER MECHANICAL HOLD DOWN

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-3/4"	2-7/8" x 2-1/4"	3-1/2" x 2-3/4"	4-1/2" x 3-3/4"
			API Pump Designation	20-175 THM	25-225 THM	30-275 THM	40-375 THM
			Description	Part Number			

Plunger Assembly

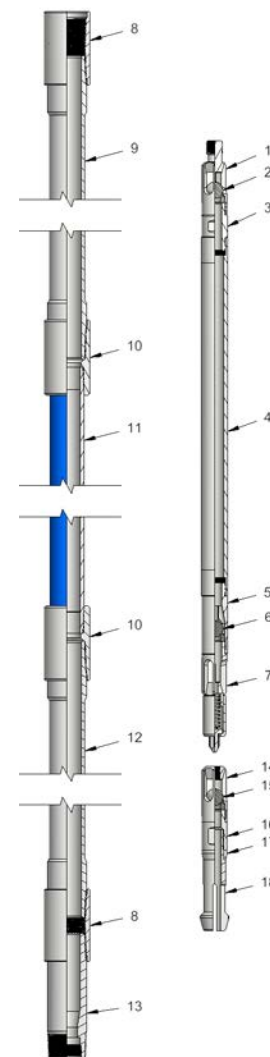
1	C11	1	Cage, Top Open	U33H	U33M	U33P	U33T
2	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU	12TU
3	C22	1	Connector, Box Plunger	U42H	U42M	U42P	U42T
4	P23	1	Plunger, Box End, TP ^{A, C}	100HCL-F	100MCL-F	100PCL-F	100TCL-F
5	C15	1	Cage, Closed, Box Plunger	U40H	U40M	U40P	U40T
6	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU2	12TU
7	P31	1	Puller, Standing Valve	U106H	U106M	U106P	U106T

Barrel Assembly

8	C34	2	Coupling, Tubing	U70-1	U70-2	U70-3	U70-4
9	N21	1	Nipple, Extension, Upper ^A	U88K	U88N	U88Q	U88U
10	C35	2	Coupling, Barrel	U46H	U46M	U46P	U46T
11	B13	1	Barrel, Heavy Wall, TP ^{A, C}	U17HLP	U17MLP	U17PLP	U17TLP
12	N22	1	Nipple, Extension, Lower ^A	U88K-1	U88N-1	U88Q-1	U88U-1
13	N13	1	Nipple, Seating, 2 Cup Type	U92K	U92N	U92Q	U92U

Standing Valve Assembly

14	C16	1	Cage, Standing Valve	U35H	U35M	U35P	U35T
15	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU	12TU
16	S22	1	Bushing, Mechanical Bottom Lock	U26K	U26N	U26Q	U26U
17	S22	1	Seal Ring, Mechanical Bottom Lock	U108K	U108N	U108Q	U108U
18	S22	1	Mandrel, Mechanical Bottom Lock	U83K	U83N	U83Q	U83U



NOTES:

- Specify length in feet.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: 100HCL-F, U17HLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, P = Plating
- Contact sales for detailed length and material options

API STANDARD THM PUMP

TUBING, HEAVY WALL BARREL, PIN END PLUNGER MECHANICAL HOLD DOWN

Item	API Item	QTY	Standard Pump Size	2-3/8" x 1-3/4"	2-7/8" x 2-1/4"	3-1/2" x 2-3/4"	4-1/2" x 3-3/4"
			API Pump Designation	20-175 THM	25-225 THM	30-275 THM	40-375 THM
			Description	Part Number			

Plunger Assembly

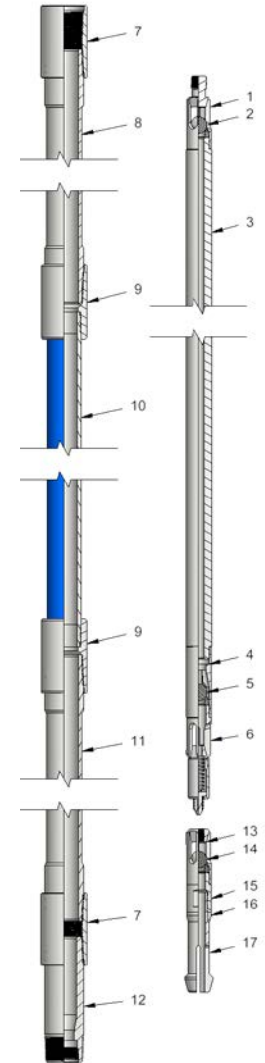
1	C11	1	Cage, Top Open	U33H	U33M	U33P	U33T
2	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU	12TU
3	P21	1	Plunger, One Piece ^{A, C}	102HCL-F-M-G	102MCL-F-M-G	102PCL-F-M-G	102TCL-F-M-G
4	C13	1	Cage, Closed, Pin Plunger	U39H	U39M	U39P	U39T
5	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU2	12TU
6	P31	1	Puller, Standing Valve	U106H	U106M	U106P	U106T

Barrel Assembly

7	C34	2	Coupling, Tubing	U70-1	U70-2	U70-3	U70-4
8	N21	1	Nipple, Extension, Upper ^A	U88K	U88N	U88Q	U88U
9	C35	2	Coupling, Barrel	U46H	U46M	U46P	U46T
10	B13	1	Barrel, Heavy Wall, TP ^{A, C}	U17HLP	U17MLP	U17PLP	U17TLP
11	N22	1	Nipple, Extension, Lower ^A	U88K-1	U88N-1	U88Q-1	U88U-1
12	N13	1	Nipple, Seating, 2 Cup Type	U92K	U92N	U92Q	U92U

Standing Valve Assembly

13	C16	1	Cage, Standing Valve	U35H	U35M	U35P	U35T
14	V11	1	Valve, Ball, and Seat	12HU	12MU	12PU	12TU
15	S22	1	Bushing, Mechanical Bottom Lock	U26K	U26N	U26Q	U26U
16	S22	1	Seal Ring, Mechanical Bottom Lock	U108K	U108N	U108Q	U108U
17	S22	1	Mandrel, Mechanical Bottom Lock	U83K	U83N	U83Q	U83U



NOTES:

- Specify length in feet.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: 102HCL-F-M-G, U17HLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- Contact sales for detailed length and material options

THOS TYPE PUMP

TUBING OVERSIZE, HEAVY WALL BARREL, BOX END PLUNGER PUMP

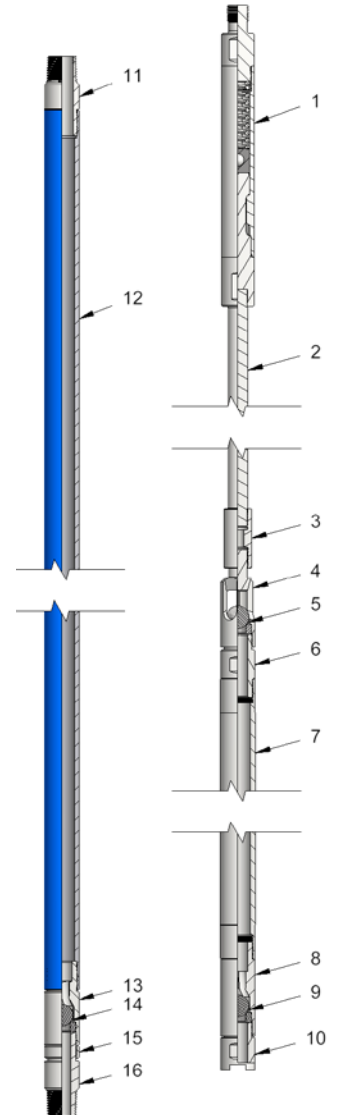
Item	QTY	Standard Pump Size	2-3/8" x 2-1/4"	2-7/8" x 2-3/4"	2-7/8" x 3-1/4"	3-1/2" x 3-1/4"
		Pump Designation	20-225 THOS	25-275 THOS	25-325 THOS	30-325 THOS
		Description	Part Number			

Plunger Assembly

1	1	On & Off Tool, Magnum	160KW-BM	160NW-BM	160NX-BM	160QX-BM
2	1	Rod, Polished ^A	651D(L)W	651D(L)W	651F(L)X	651F(L)X
3	1	Coupling, Polished Rod	UPR54W	UPR54W	UPR54X1	UPR54X1
4	1	Cage, Top Open	U33M	U33P	U33R1	U33R1
5	1	Valve, Ball, and Seat	12MU	12PU	12RU	12RU
6	1	Connector, Box End Plunger	U42M	U42P	U42R	U42R
7	1	Plunger, Box End, TP ^{A, C}	100MCL-F	100PCL-F	100RCL-F	100RCL-F
8	1	Cage, Closed, Box Plunger	U40M	U40P	U40R	U40R
9	1	Valve, Ball, and Seat	12MU	12PU2	12RU	12RU
10	1	Plug, Seat	U98M-C	U98P-C	U98R-C	U98R-C

Barrel Assembly

11	1	Connector, Upper, Barrel THOS	U88K2M	U43NP	U43NR	U43QR
12	1	Barrel, Heavy Wall, RP ^{A, C}	U18MLP	U18PLP	U18RLP	U18RLP
13	1	Cage, Closed Barrel	U37P-C	U37R-C	U37T-C	U37T-C
14	1	Valve, Ball, and Seat	12PU2	12RU	12TU	12TU
15	1	Nut, Lock	-	U95R-S	95T-S	95T-S
16	1	Bushing, Seat, Barrel Cage	U22Q	U43NP-1	U43NR-1	U43QR-1



NOTES:

- Specify length in feet.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: 100MCL-F, U18MLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, P = Plating
- Contact sales for detailed length and material options

THOS TYPE PUMP

TUBING OVERSIZE, HEAVY WALL BARREL, BOX END PLUNGER PUMP

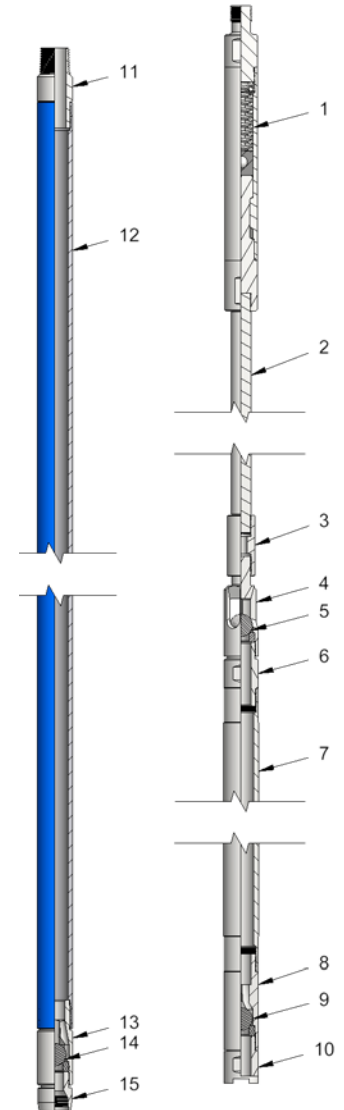
Item	QTY	Standard Pump Size	3-1/2" x 3-3/4"	4-1/2" x 4-3/4"	4-1/2" x 5-3/4"
		Pump Designation	30-375 THOS	40-475 THOS	40-575 THOS
		Description	Part Number		

Plunger Assembly

1	1	On & Off Tool, Magnum	160QX-BM	160UY-BM	160UY-BM
2	1	Rod, Polished ^A	651F(L)X	651F(L)Y	651F(L)Y
3	1	Coupling, Polished Rod	UPR55X1	UPR54Y	UPR54Y
4	1	Cage, Top Open	U33T	U33ZB	U33ZC
5	1	Valve, Ball, and Seat	12TU	12ZBU	12ZCU
6	1	Connector, Box End Plunger	U42T	U42ZB	U42ZC
7	1	Plunger, Box End, TP ^{A, C}	100TCL-F	100ZBCL-F	100ZCCL-F
8	1	Cage, Closed, Box Plunger	U40T	U40ZB	U40ZC
9	1	Valve, Ball, and Seat	12TU	12ZBU	12ZCU
10	1	Plug, Seat	98T-C	U98ZB-C	U98ZC-C

Barrel Assembly

11	1	Connector, Upper, Barrel THOS	U43QT	U43UZB	U43UZC
12	1	Barrel, Heavy Wall, RP ^{A, C}	U18TLP	U18ZBLP	U18ZCLP
13	1	Cage, Closed Barrel	U37Z-C	U37ZB-C	U37ZC-C
14	1	Valve, Ball, and Seat	12TU2	12ZBU	12ZCU
15	1	Bushing, Seat, Barrel Cage	U22Z	U22ZB	U22ZC



NOTES:

- Specify length in feet.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: 100TCL-F, U18TLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, P = Plating
- Contact sales for detailed length and material options

THOS TYPE PUMP

TUBING OVERSIZE, HEAVY WALL BARREL, BOX END PLUNGER PUMP

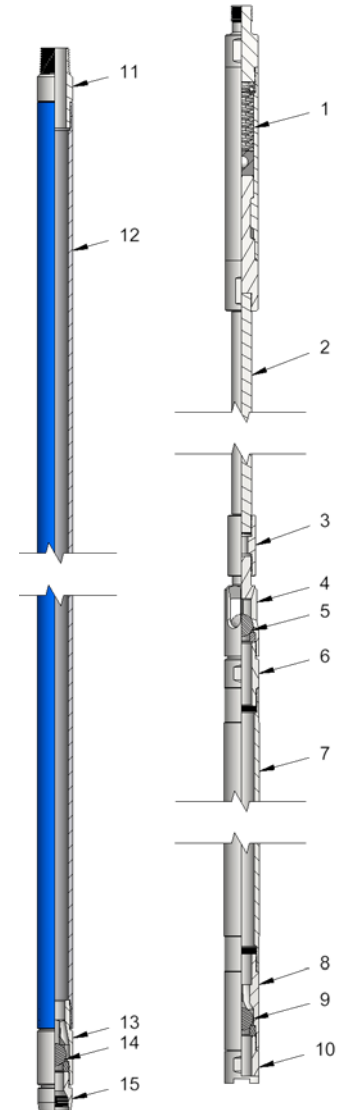
Item	QTY	Standard Pump Size	5-1/2" x 5-1/2"	7" x 7-3/4"
		Pump Designation	50-550 THOS	65-775 THOS
		Description	Part Number	

Plunger Assembly

1	1	On & Off Tool, Magnum	Q160UY-BM	Q160UY-BM
2	1	Rod, Polished ^A	Q651F(L)Y	Q651F(L)Y
3	1	Coupling, Polished Rod	QUPR54Y	QUPR54Y
4	1	Cage, Top Open	QU33ZA	QU33ZF
5	1	Valve, Ball, and Seat	Q12ZAU	Q12ZFU
6	1	Connector, Box End Plunger	QU42ZA	QU42ZF
7	1	Plunger, Box End, TP ^{A, C}	Q100ZACL-F	Q100ZFCL-F
8	1	Cage, Closed, Box Plunger	QU40ZA	QU40ZF
9	1	Valve, Ball, and Seat	Q12ZAU	Q12ZFU
10	1	Plug, Seat	QU98ZA-C	QU98ZF-C

Barrel Assembly

11	1	Connector, Upper, Barrel THOS	QU43UZA	QU43ZF3
12	1	Barrel, Heavy Wall, RP ^{A, C}	QU18ZALP	QU18ZFLLP
13	1	Cage, Closed Barrel	QU37ZA-C	QU37ZF-C
14	1	Valve, Ball, and Seat	Q12ZAU	Q12ZFU
15	1	Bushing, Seat, Barrel Cage	QU22ZA	QU22ZF



NOTES:

- Specify length in feet.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: Q100ZACL-F, QU18ZALP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, P = Plating
- Contact sales for detailed length and material options

SLIMHOLE TYPE RWAC PUMP

ROD, STATIONARY THIN WALL BARREL, TOP CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	2-1/16" x 1-1/4"
			Nominal	1.70" x 1-1/4"
			Description	Part Number

Plunger Assembly

1	B21	1	Bushing Valve Rod	QU23K
2	R11	1	Rod, Valve ^A	Q114FU
3	C12	1	Cage, Top Plunger	QU47D
4	P21	1	Plunger, One Piece ^{A, D}	Q102DCL-F-M-G
5	C13	1	Cage, Closed, Pin Plunger	QU39D
6	V11	1	Valve, Ball, and Seat	Q12DU
7	P12	1	Plug Seat	QU98D

Barrel Assembly

8	G11	1	Guide, Valve Rod	QU70K
9	S15	1	Bushing, Top Anchor	QU25FD
10	B11	1	Barrel, Thin Wall ^{A, D}	QU15DLP
11	-	1	Bushing, Adapter, Barrel to Cage	QU24FD
12	C14	1	Cage, Closed Barrel	QU38F
13	V11	1	Valve, Ball, and Seat	Q12FU
14	B22	1	Bushing, Seat, Barrel Cage	QU22F

Hold-Down Assembly

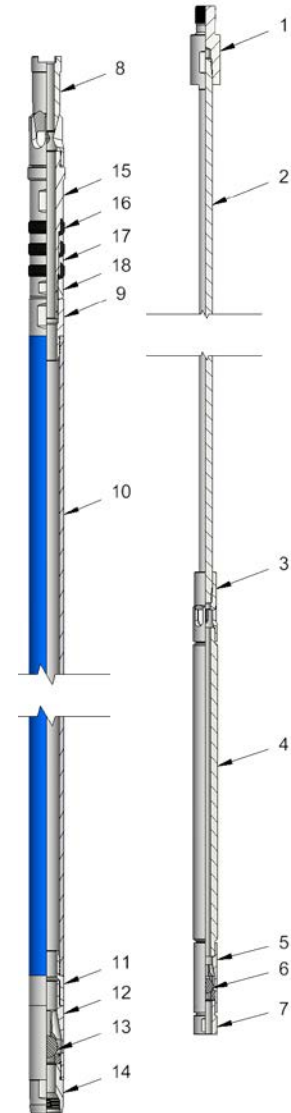
15	S31	1	Seating Mandrel, Cup, Type O	QU85F1
16	S32	3	Seating Cup, Type O	Q626F+70
17	S33	2	Seating Cup Ring, Type O	QU110F
18	S34	1	Seating Cup Nut, Type O	QU95F

Seating Nipple

		1	Nipple, Seating, 1.540" ID Integral Joint-1-1/2" 10RD Upset w/1.540" ID. ^B	QU89F1
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Fishing Neck Size

			Valve Rod Guide	1.250"
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NOTES:

- Specify length in feet.
- Not shown in the assembly.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: Q102DCL-F-M-G, QU15DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- Contact sales for detailed length and material options

SLIMHOLE TYPE RWBC PUMP

ROD, STATIONARY THIN WALL BARREL, BOTTOM CUP HOLD DOWN PUMP

Item	API Item	QTY	Standard Pump Size	1-1/2" x 1-1/16"	1-1/2" x 1-1/4"	2-1/16" x 1-1/4"
			Nominal	1.900" x 1-1/16"	1.900" x 1-1/4"	1.700" x 1-1/4"
			Description	Part Number		

Plunger Assembly

1	B21	1	Bushing Valve Rod	QU23F1	QU23F1	QU23F
2	R11	1	Rod, Valve ^A	Q114FU	Q114FU	Q114FU
3	C12	1	Cage, Top Plunger	QU47B	QU47D	QU47D
4	P21	1	Plunger, One Piece ^{A, D}	Q102BCL-F-M-G	Q102DCL-F-M-G	Q102DCL-F-M-G
5	C13	1	Cage, Closed, Pin Plunger	QU39B	QU39D	QU39D
6	V11	1	Valve, Ball, and Seat	Q12BU	Q12DU	Q12DU
7	P12	1	Plug Seat	QU98B	QU98D	QU98D

Barrel Assembly

8	G11	1	Guide, Valve Rod	QU71B	QU70F	QU70F
9	C21	1	Connector, Upper Barrel	-	QU41F1	QU41F1
10	B11	1	Barrel, Thin Wall ^{A, D}	QU15BLP	QU15DLP	QU15DLP
11	-	1	Bushing, Adapter, Barrel to Cage	QU24FB	QU24FD	QU24FD
12	C14	1	Cage, Closed Barrel	QU38F	QU38F	QU38F
13	V11	1	Valve, Ball, and Seat	Q12FWU	Q12FWU	Q12FWU

Hold-Down Assembly

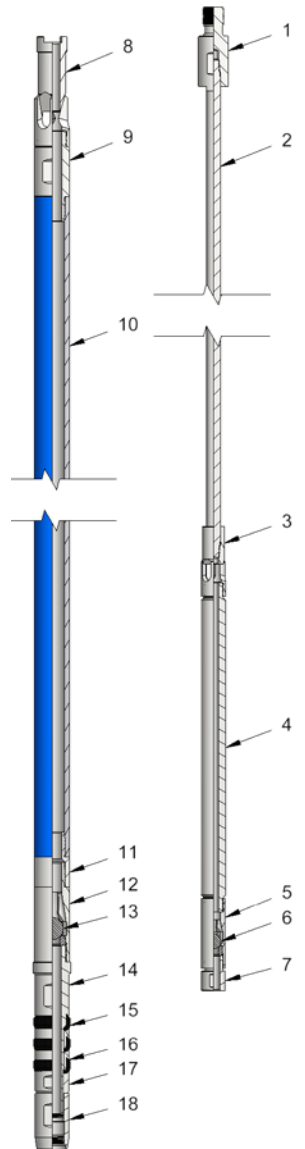
14	S31	1	Seating Mandrel, Cup, Type O	QU85F	QU85F	QU85F1
15	S32	3	Seating Cup, Type O	Q626F-10	Q626F-10	Q626F+70
16	S33	2	Seating Cup Ring, Type O	QU110F	QU110F	QU110F
17	S34	1	Seating Cup Nut, Type O	QU95F	QU95F	QU95F
18	S16	1	Coupling, Bottom Anchor	QU50F	QU50F	QU50F

Seating Nipple

		1	Nipple, Seating, Integral Joint ^B	QU89F	QU89F	QU89F1
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Fishing Neck Size

			Valve Rod Guide	1.125"	1.250"	1.250"
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NOTES:

- Specify length in feet.
- Not shown in the assembly.
- "U" in the part number represents **Material**.
- Plunger and Barrel will have additional letters at the end (Examples: Q102DCL-F-M-G, QU15DLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- Contact sales for detailed length and material options

RXAFR TYPE PUMP

ROD, BIG BORE STATIONARY HEAVY WALL BARREL | TOP METAL FRICTION RING HOLD DOWN

Item	QTY	Standard Pump Size	4-1/2" x 3-1/4"	5-1/2" x 3-3/4"	7" x 5-1/2"
		Pump Designation	40-325 RXAFR	50-375 RXAFR	65-550 RXAFR
		Description	Part Number		

Plunger Assembly

1	1	Bushing, Valve Rod	QU23U	QU23U1	QU23U1
2	1	Rod, Valve ^A	Q651F(L)X	Q651F(L)Y	Q651F(L)Y
3	1	Coupling, Polished Rod	QUPR54X1	QUPR54Y1	QUPR54Y
4	1	Cage, Top Open	QU33R1	QU33T	QU33ZA
5	1	Valve, Ball, and Seat	Q12RU	Q12TU	Q12ZAU
6	1	Connector, Top Plunger	QU42R	QU42T	QU42ZA
7	1	Plunger, Box End ^{A, E}	Q100RCL-F	Q100TCL-F	Q100ZACL-F
8	1	Cage, Closed, Box End Plunger	QU40R	QU40T	QU40ZA
9	1	Valve, Ball, and Seat	Q12RU	Q12TU	Q12ZAU
10	1	Bushing, Seat, Barrel Cage	QU98R	QU98T	QU98ZA

Barrel Assembly

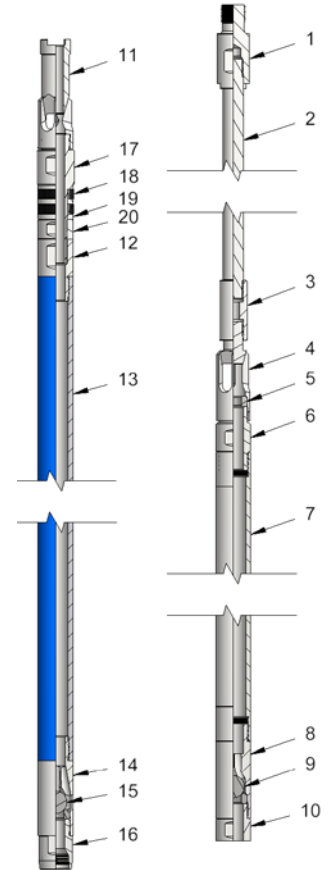
11	1	Guide, Valve Rod	QU70U1	QU70Z1	QU70ZA
12	1	Bushing, Top Hold-Down	QU25UR	QU25ZT	QU25ZA
13	1	Barrel, THOS/RX, Heavy Wall ^{A, E}	QU18RLP	QU18TLP	QU18ZALP
14	1	Cage, Closed Barrel	QU37TM	QU37Z	QU37ZA
15	1	Valve, Ball, and Seat	Q12TU2	Q12TU2	Q12ZAU
16	1	Bushing, Seat, Barrel Cage	QU22T	QU22Z	QU22ZA

Hold-Down Assembly

17	1	Mandrel, Hold-Down, 2-Wide Ring	QU85U1	QU85Z	QU85ZA1
18	2	Ring, Friction	QU112U1	QU112Z1	QU112ZA1
19	2	Ring Spacer	QU113U1	QU113Z1	QU113ZA1
20	1	Nut, Lock	QU95U1	QU95Z1	QU95ZA1

Seating Nipple

	1	Nipple, Seating ^B	QU89U	QU89Z	QU89ZA
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NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available with other Metal Ring Friction Hold-Down.
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: Q100RCL-F, QU18RLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, P = Plating
- F. Contact sales for detailed length and material options

RWAFR TYPE PUMP

ROD, STATIONARY THIN WALL BARREL | TOP METAL FRICTION RING HOLD DOWN

Item	QTY	Standard Pump Size	2-7/8" x 2"	3-1/2" x 2-1/2"
		Pump Designation	25-200 RWAFR	30-250 RWAFR
		Description	Part Number	

Plunger Assembly

1	1	Bushing Valve Rod	QU23N	QU23Q
2	1	Rod, Valve ^A	Q114KU	Q114NU
3	1	Cage, Top Plunger	QU47K	QU47N
4	1	Plunger, One Piece ^{A, E}	Q102KCL-F-M-G	Q102NCL-F-M-G
5	1	Cage, Closed, Pin Plunger	QU39K	QU39N
6	1	Valve, Ball, and Seat	Q12KU	Q12PU2
7	1	Plug Seat	QU98K	QU98N

Barrel Assembly

8	1	Guide, Valve Rod	QU70N	QU70Q
9	1	Bushing, Top Anchor	QU25NK	QU25QN
10	1	Barrel, Thin Wall ^{A, E}	QU15KLP	QU15NLP
11	1	Cage, Closed Barrel	QU37M	QU37P
12	1	Valve, Ball, and Seat	Q12MU	Q12PU2
13	1	Bushing, Seat, Barrel Cage	QU22N	QU22Q

Hold-Down Assembly

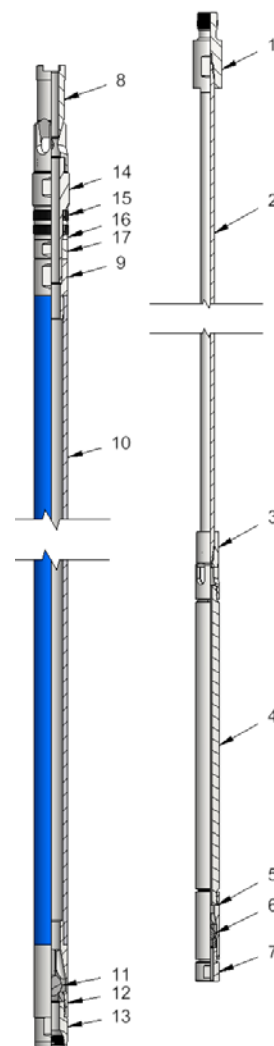
14	1	Mandrel, Hold-Down, 2-Wide Ring	QU85N1	QU85Q1
15	2	Ring, Friction	QU112N1	QU112P1
16	2	Ring Spacer	QU113N1	QU113P1
17	1	Nut, Lock	QU95N1	QU95Q1

Seating Nipple

	1	Nipple, Seating, Cup ^B	QU89N	QU89Q
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Fishing Neck Size

		Valve Rod Guide	1.625"	1.625"
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NOTES:

- A. Specify length in feet.
- B. Not shown in the assembly.
- C. Available with other Metal Ring Friction Hold-Down.
- D. "U" in the part number represents **Material**.
- E. Plunger and Barrel will have additional letters at the end (Examples: Q102KCL-F-M-G, QU15KLP)
C = Spray Metal Coating, L = Length in feet, F = Clearance Fit in thousandths of an inch, M = Monel Pin Ends, G = Grooved Plunger, P = Plating
- F. Contact sales for detailed length and material options



Artificial Lift Services



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We are a fully integrated company with over 40+ repair and service locations strategically located across Western Canada and the United States.



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