



TOOLS

CATALOGUE

ONE STOP SHOP FOR ALL YOUR INDUSTRY NEEDS

INTRODUCTION



Dan's Oilfield is a leading tool and rental company in Northern British Columbia and Alberta, with top-of-the-line products and services.

With 450 years of collective experience, Dan's Oilfield is focused on successfully completing jobs while providing experienced trouble shooting solutions for today's complex problems to get your project back on track.

ISN, COR and Comply Works Compliant.



SAFETY • QUALITY • INNOVATION • EXCELLENCE

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RETRIEVABLE PACKERS

A decorative graphic consisting of two wavy, horizontal lines. The top line is black and the bottom line is green, both with a white outline, creating a sense of motion or a stylized wave.

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AS1X-7K MECHANICAL SET, DOUBLE GRIP RETRIEVABLE PACKER



AS1X-7K Mechanical Set, Double Grip Retrievable Packer is rugged and versatile. The AS1X-7K is the perfect packer for any application which requires a high-performance double grip, retrievable packer.

The AS1X-7K is a medium pressure 51.7 MPa (7,500 psi) rated packer (in most sizes) and can be set with a minimum amount of tubing weight and packed off in tension which make it a good choice when shallower depths are encountered. It can also be set using compression if there is enough tubing weight available to properly pack-off the elements. Once set the AS1X-7K can be left in tension, compression or in neutral and will hold pressure from above or below. A large internal bypass reduces the swabbing and surging effect during run in and retrieval, and closes when the packer is set. When the packer is released, the bypass opens first, allowing the pressure to equalize before the upper slips are released. The AS1X-7K also features an upper-slip releasing system that reduces the force required to release the packer. A non-directional slip is released first, making it easier to release the other slips.

The AS1X-7K Packer is available in a true 'Sour Service' version that complies with NACE MR01-75 specification for use in H₂S environments.

AS1-X 7W K WIRELINE SET, DOUBLE GRIP, RETRIEVABLE PACKER

The AS1X-7KW is the Wireline Set version of the PX-8 Double Grip Retrievable Packer. AS1X-7KW uses the PL On-Off Stinger and WLAK Wireline Adapter Kit to allow it to be set on wireline. This packer configuration allows for less equipment and tubing trips over conventional wireline set seal bore production packers, with the added benefit of converting the tool to a tubing set version if desired. When run with the WLAK Wireline Adapter Kit, a blanking plug can be run in place above the AS1X-7KW in the On-Off Stinger, converting the tool into a temporary bridge plug. The AS1X-7KW Packer is available in a true 'Sour Service' version that complies with NACE MR-01-75 specifications for use in H₂S environments

AS1X-7K MECHANICAL AND WIRELINE DOUBLE GRIP

FEATURES:

- Rugged and versatile packer
- Full bore
- Rated to 51.7 MPa (7,500 psi) in most sizes
- Holds pressure differential from above or below
- Dependable 3 element pack-off system
- Can be set using tension or compression
- Set and released with a quarter turn to the right
- Field proven releasing system
- Optional safety release feature
- Bypass valve is below upper slips so debris is washed from slips when the valve is opened
- Can be converted to be set on wireline or hydraulically
- Can be run with a Model PL On-Off Assembly
- Can be left in tension, compression, or neutral position
- Available in a variety of material and elastomer configurations

AS1X-7K MECHANICAL AND WIRELINE DOUBLE GRIP

TECHNICAL DATA

Casing				Packer		
O.D.	Weight	I.D. in/mm		Gauge Ring O.D.	I.D	Connection EUE 8 Rd
in/mm	lb/ft , kg/m	Minimum	Maximum	in/mm	in/mm	in/mm
2 7/8 73.0	6.40 to 6.50 9.52 to 9.67	2.367 60.35	2.441 62.00	2.250 57.15	0.609 15.47	1.050 26.67
3 1/2 88.9	7.70 to 10.20 11.46 to 15.18	2.992 76.00	3.068 77.93	2.781 70.64	1.250 31.75	1.250 31.75
4.00 101.6	9.50 to 13.5 14.14 to 16.37	3.476 88.29	3.548 90.12	3.250 82.55	1.500 38.10	1.250 31.75
4 1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.920 99.59	4.090 103.89	3.750 95.25	1.98 49.23	2 3/8 60.3
	13.50 to 15.10 20.09 to 22.47	3.826 97.18	3.920 99.59	3.680 93.47	1.936 49.23	2 3/8 60.3
	15.10 to 16.60 22.47 to 24.70	3.754 95.35	3.826 97.18	3.594 91.29	1.500 38.10	1.660 42.16
5.0 127.0	11.50 to 15.00 17.11 to 22.32	4.408 111.96	4.560 115.82	4.125 104.78	1.928 49.23	2 3/8 60.3
	18.00 to 20.80 26.79 to 30.95	4.156 105.56	4.276 108.61	4.000 101.60	1.928 49.23	2 3/8 60.3
5 1/2 139.7	14.00 to 20.00 20.83 to 29.76	4.778 121.36	5.012 127.30	4.625 117.48	1.984 50.39	2 3/8 60.3
	20.00 to 23.00 29.76 to 34.23	4.670 118.62	4.778 121.36	4.500 114.30	1.984 50.39	2 3/8 60.3
	9.00 to 13.00 13.39 to 19.35	5.044 128.12	5.192 131.88	4.875 123.83	2.359 59.92	2 7/8 73.0
	15.50 to 17.00 23.07 to 25.30	4.892 124.26	4.950 125.73	4.625 117.48	2.375 60.33	2 7/8 73.0
	20.00 to 23.00 29.76 to 37.20	4.670 131.62	4.778 121.36	4.500 114.30	2.375 60.33	2 7/8 73.0
5 3/4 146.05	14.00 to 17.00 20.83 to 25.30	5.190 131.83	5.290 134.37	4.875 123.83	2.359 59.92	2 7/8 73.0
	18.60 to 25.00 27.68 to 37.20	4.882 124.00	5.118 130.00	4.625 117.48	1.984 50.39	2 3/8 60.3
6 5/8 168.28	17.00 to 24.00 25.30 to 35.72	5.921 150.39	6.135 155.83	5.750 146.05	2.500 63.50	2 7/8 73.0
	20.00 to 24.00 29.76 to 35.72	5.921 150.39	6.049 153.64	5.750 146.05	3.00 76.20	3 1/2 88.9
	24.00 to 32.00 35.72 to 47.62	5.675 144.15	5.921 150.39	5.500 139.70	2.375 60.33	2 7/8 73.0

AS1X-10K MECHANICAL SET, DOUBLE GRIP RETRIEVABLE PACKER



AS1X-10 Mechanical Set, Double Grip Retrievable Packer is a rugged versatile packer. The AS1X-10 is the perfect packer for any application which requires a high-performance double grip, retrievable packer. The AS1X-10K is a high pressure 69 MPa (10,000 psi) rated packer (in most sizes) and can be set with a minimum amount of tubing weight and packed off in tension which make it a good choice when shallower depths are encountered. It can also be set using compression if there is enough tubing weight available to properly pack-off the elements. Once set the AS1X-10K can be left in tension, compression or in neutral and will hold pressure from above or below. A large internal bypass reduces the swabbing and surging effect during run in and retrieval, and closes when the packer is set. When the packer is released, the bypass opens first allowing the pressure to equalize before the upper slips are released. The AS1X-10K also features an upper-slip releasing system that reduces the force required to release the packer. A non-directional slip is released first, making it easier to release the other slips.

AS1X-10K-W WIRELINE SET, DOUBLE GRIP, RETRIEVABLE PACKER

AS1X-10W is the Wireline Set version of the Double Grip Retrievable Packer. The AS1X-10W uses the PL On-Off Stinger and WLAK Wireline Adapter Kit to allow it to be set on wireline. This packer configuration allows for less equipment and tubing trips over conventional wireline set seal bore production packers, with the added benefit of converting the tool to a tubing set version if desired. When run with the WLAK Wireline Adapter Kit, a blanking plug can be run in place above the AS1X-10K in the On-Off Stinger converting the tool into a temporary bridge plug.

AS1X-10K AND AS1X-10K W DOUBLE GRIP

FEATURES:

- Rugged and versatile packer
- Full bore
- Rated to 69 MPa (10,000 psi) in most sizes
- Holds high pressure differential from above or below
- Dependable 3 element pack-off system
- Can be set using tension or compression
- Set and released with a quarter turn to the right
- Field proven releasing system
- Optional safety release feature
- Available in a wide variety of material and elastomer configurations
- Bypass valve is below upper slips so debris is washed from slips when the packer is unset
- Can be converted to be set on wireline or hydraulically
- Can be run with a Model PL On-Off Assembly

TECHNICAL DATA

Casing				Packer		
O.D.	Weight	I.D. in/mm		Gauge Ring O.D.	I.D	Connection EUE 8 Rd
in/mm	lb/ft , kg/m	Minimum	Maximum	in/mm	in/mm	in/mm
4 1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.920 99.59	4.090 103.89	3.766 95.66	1.922 48.82	2 3/8 60.3
	15.10 to 16.60 22.47 to 24.70	3.754 95.35	3.826 97.18	3.680 93.47		
5.0 127.0	11.50 to 15.00 17.11 to 22.32	4.408 111.96	4.560 115.82	4.125 104.78	1.922 48.82	2 3/8 60.3
	18.00 to 20.80 26.78 to 30.95	4.156 105.56	4.276 108.61	4.000 101.60		
5 1/2 139.7	14.00 to 20.00 20.83 to 29.76	4.778 121.36	5.012 127.30	4.640 117.86	1.984 50.39	2 3/8 60.3
	20.00 to 23.00 29.76 to 34.23	4.670 118.62	4.778 121.36	4.516 114.71	1.984 50.39	2 3/8 60.3
	14.00 to 20.00 20.83 to 29.76	4.778 121.36	5.012 127.30	4.640 117.86	2.359 59.92	2 7/8 73.0
	20.00 to 23.00 29.76 to 34.23	4.670 118.62	4.778 121.36	4.516 114.71		
	17.00 to 26.00 25.30 to 38.69	6.276 159.41	6.538 166.07	6.000 152.40	2.484 63.09	2 7/8 73.0
7.0 177.8	26.00 to 32.00 38.69 to 47.62	6.094 154.79	6.276 159.41	5.891 149.63	2.484 63.09	2 7/8 73.0
*7 5/8 *193.68	33.77 to 39.00 50.15 to 58.04	6.625 168.28	6.765 171.83	6.453 164.03	2.484 63.09	2 7/8 73.0
*8 5/8 *219.08	28.00 to 40.00 41.67 to 59.52	7.725 196.22	8.017 203.63	7.531 191.29	2.937 74.60	3 1/2 88.9
*9 5/8 *244.48	43.50 to 53.50 64.74 to 79.62	8.535 216.79	8.755 222.38	8.281 210.34	3.937 100.00	4 1/2 114.3

* 7 5/8" to 9 5/8" packers are rated to 7,500 psi differential.
 *193.7 mm to 244.48 mm packers are rated to 51,710 kPa differential

MODEL TI TENSION PACKER



The Model Ti Tension Packer is a compact, economical, rugged, resettable packer that is run on jointed or coiled tubing. The packer is set and released with axial (upwards and downwards) motion, making it ideal for coil tubing use, or when rotating conventional tubing is impractical. The indexing Auto-J allows for reseatability without surfacing the tool, making it ideal for multi-zone treatments, pressure tests or fracturing.

The Ti packer has the versatility to run in compression (Product No: 20-305) or tension (Product No: 20-304), depending on the tool orientation. The packer is ran in tension when pressure differential from below is expected, and ran in compression when pressure differential from above is expected. The packer is easily converted into an anchor when used with a no-element spacer.

The packer features an adjustable shear Safety Release System allowing for packer retrieval in the event normal unsetting fails. The Shear Release System is located below the packing element using standard factory set shears.

When running on conventional tubing, a Ti5 packer (Product No: 20-302) is recommended. The Ti5 has a longer stroke length in the J-slot allowing to make tubing connections without pre-setting the packer.

FEATURES:

- Sets/Unsets with only axial (up-down) motion.
- Resettable Auto-J for service/completion work.
- Can run upside down in compression or without element as an anchor.
- Elastomer and metallurgical options available for hostile environments.
- Compact
- Redress kits available

MODEL TI TENSION PACKER

TECHNICAL DATA

SPECIFICATION GUIDE - T Packer Series (20-302, 304, 306, 307, 313)										
CASING					PACKER					
OD	Weight		I.D		O.D.		MIN ID		Connection	Product No.
	lb/ft	kg/m	in	mm	in	mm	in	mm		
2 3/8 50.8	4.7	7.0	1.995	50.7	1.81	46.0	0.378	9.6	1.00- 11-1/2 API Line Pipe	20-302/4/5/6/7/13-0200
2 3/8 50.8	6.5	7.0	2.441	62.0	2.20	55.9	0.750	19.1	1.50- 11-1/2 API Line Pipe	20-302/4/5/6/7/13-0250
	6.4	9.7	2.441	62.0						
2. 7/8 73	10.2	9.5	2.992	76.0	2.81	71.4	1.380	35.05	1.50- 11-1/2 API Line Pipe	20-302/4/5/6/7/13-0350
	7.7	15.2	3.068	77.9						
3 1/2 114.3	15.1	11.5	3.862	97.2	3.50	88.9	1.610	40.89	1.900 EUE	20-302/4/5/6/7/13-0440
	13.5	22.6	3.920	99.6						
	11.6	20.1	4.000	101.6	3.80	96.5	1.940	49.1	2 3/8 EUE	20-302/4/5/6/7/13-0450
	9.5	17.3	4.090	103.9						
5 1/2 139.7	26	14.1	4.548	115.5	4.41	111.9	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7/13-0530
	23	38.7	4.670	118.6						
	23	34.2	4.670	118.6	4.45	113.0	1.995	50.67	2 3/8 EUE	20-302/4/5/6/7/13-0540
	23	34.2	4.670	118.6	4.45	113.0	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7/13-0550
	23	34.2	4.670	118.6	4.50	114.3				20-302/4/5/6/7/13-0560
	20	29.8	4.778	121.4						4.63
	17	25.3	4.892	124.3	4.63	117.3				
	13	19.3	5.044	128.1						
5 3/4 146.0	24.2	36.0	4.910	124.7	4.73	120.1	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7/13-0600
	22.5	33.5	4.990	126.7						4.82
	19.5	29.0	5.090	129.3						
	17	25.3	5.190	131.8						
6 5/8 168.3	32	47.6	5.675	144.1	5.44	138.2	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7/13-0650
	28	41.7	5.791	147.1						5.75
	24	35.7	5.921	150.4						
	20	29.8	6.049	153.6						
7 177.8	32	47.6	6.940	154.8	5.75	146.1	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7/13-0700
	29	43.2	6.184	157.1						6.00
	26	38.7	6.276	159.4						
	17	25.3	6.538	166.1						
7 5/8 193.7	39	58.0	6.625	168.3	6.45	163.8	2.441	62.84	2 7/8 EUE	20-302/4/5/6/7/13-0750
	33.7	50.2	6.765	171.3						6.67
	29.7	44.2	6.875	174.6						
	24	35.7	7.025	178.4						
9 5/8 244.4	53.5	79.6	8.535	216.8	8.25	209.6	4.000	101.6	4 1/2 EUE	20-302/4/5/6/7/13-0950
	47	69.9	8.681	220.5						8.50
	43.5	64.7	8.755	222.4						
	32.3	48.1	9.001	228.6						

T1 TENSION PACKER



The Coil Tubing Tension Packer is a tension set mechanical packer designed to be used on coiled tubing, but may also be run on conventional tubing if required. The unique design of the Coil Tubing Packer allows the packer to be set and released without tubing rotation. The packer also incorporates a secondary adjustable shear release that may be used to unset the packer if normal releasing procedures don't work.

The packer operates on a continuous automatic 'J' system. Each time the packer is moved down and then up in the well bore the 'J' system automatically moves from either the running to the set position or alternately from the set to running positions. For example, when running the packer in the well if the tubing is stopped and then moved upward the packer will be in the set position and the slips will engage the casing as the packer moves up and stop the upward movement. The application of additional tension force on the tubing will cause the packer element to extrude and seal against the casing. After setting if downward movement is applied the packer element will relax and the slips will disengage from the casing and continued downward movement will automatically move the 'J' into the running position, which will allow the packer to then be moved up the well bore without the slips engaging the casing. Following this with downward movement will again move the 'J' back to the set position.

The Coil Tubing Packer is available with a variety of top subs to accommodate most type of coiled tubing connectors.

TECHNICAL DATA

CASING SIZE		CASING WEIGHT		PACKER O.D.		MAXIMUM I.D.	
in	mm	lbs/ft	kg/m	in	mm	in	mm
4 1/2	114.3	9.5-13.5	141 - 20.1	3.771	95.8	1.933	49.1
5 1/2	139.7	13 - 15.5	19.3 - 23.1	4.781	114.3		
		15.5-17	23.1 - 25.3	4.641	117.9	2.441	62
7	177.8	17 - 20	25.3 -29.8	6.266	159.2		
		23 - 26	34.2 -38.7	5.968	154.4		
		26 -29	38.7 -43.1	5.812	151.6		

SERVICE COMPONENTS

A decorative graphic consisting of two wavy, horizontal lines. The top line is black and the bottom line is green, both with a white outline. They are positioned at the bottom of the page, above the footer text.

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TUBING SWIVEL



The Tubing Swivel allows surface connections to remain in place while the work string is rotated and moved.

TECHNICAL DATA

A.P.I. Tubing	Load Rating	Connection EUE 8 Rd	Side Inlet Connection
in/mm	lbs/daN	in/mm	in/mm
2 3/8 60.3	100,000 44,500	2 3/8 60.33	2.0 Line Pipe Thread 50.8 Line Pipe Thread
2 7/8 73.0	100,000 44,500	2 7/8 73.00	2.0 Line Pipe Thread 50.8 Line Pipe Thread
3 1/2 88.9	200,000 89,000	3 1/2 88.9	2.0 Line Pipe Thread 50.8 Line Pipe Thread

CASING SCRAPER



The Casing Scraper is used to remove foreign matter on the inside casing wall in order to provide a smooth clean casing I.D. for running and setting packers and other sub-surface equipment. The Casing Scraper features a one-piece body with full 360-degree casing I.D. coverage provided by six spring loaded scraper blades. The design also features a large bypass area around and between the blades for ease of circulating. Each blade is secured in its own individual pocket and ensures that all thrust and rotational forces are absorbed directly by the one-piece body. No special tools other than a pipe vise are required to change the blades or springs. The Casing Scraper features leaf or coil type incoloy springs behind each self-sharpening blade, providing maximum usage before repairs or replacement is necessary. API regular pin up and box down connections are normally supplied with the Casing Scraper, with other connections available if required.

FEATURES:

- One piece alloy steel body
- Large bypass area between blades for circulation
- Corrosion resistant leaf or coil springs provide consistent blade tension
- Full 360° coverage of casing wall
- Bottom connection has an API Regular box to install various types of drill bits
- Tough alloy self-sharpening blades for durability
- Thrust and rotational loads are transferred through the blades and into the casing scraper body

CASING SCRAPER

TECHNICAL DATA

Casing				Packer		
O.D.	Weight	I.D. in/mm		Gauge Ring O.D.	I.D	Connection EUE 8 Rd
in/mm	lb/ft , kg/m	Minimum	Maximum	in/mm	in/mm	in/mm
4 1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.920 99.59	4.090 103.89	3.620 91.95	4.420 112.27	2 3/8 60.33
5.0 127.0	11.50 to 13.00 17.11 to 26.79	4.276 108.61	4.560 115.82	4.000 101.60	4.800 121.92	2 3/8 60.33
5 1/2 139.7	13.00 to 26.00 19.35 to 38.69	4.548 115.52	5.044 128.12	4.500 114.30	5.280 134.11	2 7/8 73.00
6 5/8 168.3	17.00 to 34.00 25.30 to 50.59	5.600 142.24	6.135 155.83	5.380 136.65	6.340 161.04	3 1/2 88.90
7.00 177.8	17.00 to 38.00 25.30 to 56.55	5.920 150.37	6.538 166.07	5.710 145.03	6.720 170.69	3 1/2 88.90
7 5/8 193.68	20.00 to 39.00 29.76 to 58.04	6.625 168.28	7.125 180.98	6.250 158.75	7.260 184.40	3 1/2 88.90
8 5/8 219.08	24.00 to 49.00 35.72 to 72.92	7.511 190.78	8.097 205.66	7.250 184.15	8.410 213.61	4 1/2 114.30
9 5/8 244.48	29.30 to 53.50 43.60 to 79.62	8.535 216.79	9.063 230.20	8.200 208.28	9.290 235.97	4 1/2 114.30
10 3/4 273.05	32.75 to 65.71 48.74 to 97.77	9.560 242.82	10.192 258.82	9.200 233.68	10.530 267.46	4 1/2 114.30

INTERVENTIONLESS BURST DISC SUB – PIN DOWN



The Interventionless Burst Disc Sub – Pin Down is an economical pressure barrier that isolates the tubing ID from high wellbore pressure when running tubing and completion BHAs. The internal burst disc is designed to withstand high differential pressure from below and be easily and reliably removed with low differential pressure from above. Once at depth, tubing pressure is increased until the differential pressure across the burst disc is high enough to remove it, allowing the operator to continue well operations.

FEATURES:

- Economical alternative for isolating tubing ID from high wellbore pressure
- Easy and reliable disc removal with pressure, no intervention required
- Full tubing ID after the disc has been removed
- Typical applications include snubbing and installing packer BHAs
- EUE threads standard with slim coupling OD, other threads available
- HNBR elastomers standard, other materials available
- High temperature version available upon request

Size	OD	ID	Disc Rating Above	Disc Rating Above	Temperature Rating
in/mm	in/mm	in/mm	psi / MPa	psi / MPa	°F / °C
2.375 60.3	2.910 73.91	1.995 50.67	1,000 6.9	10,000 68.9	302 150
2.875 73.0	3.460 87.88	2.441 62.00	1,000 6.9	10,000 68.9	302 150
3.500 88.9	4.180 106.17	2.992 76.00	1,000 6.9	10,000 68.9	302 150

PUMP OUT PLUG



The Model 'A' Tubing Drain provides a single-use, pressure actuated method of providing a safe, reliable, and economical method of temporarily sealing the tubing ID during running of the tubing string. The pump-out plug is designed to be run on the bottom of the tubing string and to be expended when required by pressuring up the tubing. The expended plug portion that remains in the well is manufactured from materials, which can be drilled up with a standard rock bit.

The Model 'A' pump-out plug 'trip' pressure may be adjusted by removing or adding shear screws.

TECHNICAL DATA

TUBING in/mm	O.D. in/mm	MAX SHEAR SCREWS	PRESSURE PIN SHEAR psi/kPa
2 3/4 60.3	3.063 77.8	12	377 2,600
2 7/8 73.0	3.688 93.7	12	261 1,800
3 1/2 88.9	4.5 114.3	12	174 1,200

SP SAND PUMP



The SP Sand Pump is a tubing conveyed, high volume, pump device specifically designed for use in low fluid level wells. It's also successful in wells with full hydrostatic columns. The SP Sand Pump is used to remove sand and other debris from the wellbore by reciprocating the tubing.

FEATURES:

- Inexpensive to operate
- Simple design
- Large hex Kelly for torque transmission
- High Volume stroke for efficient operation
- High load and shock carrying capacity

BENEFITS:

- Does not require circulation pumps or fluids
- Available in 5' and 10' stroke
- Debris containment during clean out

TECHNICAL DATA

Size	Maximum O.D.	Minimum I.D.	Thread Connection Box Up / Pin Down	Product Number
in/mm	in/mm	in/mm	in/mm	in/mm
2 3/8 60.33	3.150 80.01	0.719 18.26	2 3/8 EU 8 RD	23SP.1001
2 7/8 73.03	3.781 96.04	0.975 24.76	2 7/8 EU 8 RD	27SP.1001

K-VALVE



The K-Valve is a high-pressure valve that converts a neutral set packer into a retrievable bridge plug.

The K-Valve transfers right hand torque to a double grip packer for setting on tubing. It releases the tubing from the packer and leaves a bridge plug in the well. To retrieve the plug the valve is re-engaged, the packer is equalized, and torque can then be applied to release the packer.

FEATURES:

- Pressure balanced equalizing system
- Large bypass area
- Reliable bonded seals
- Left hand releasing automatic jay
- Bypass can be operated without releasing the packer
- Bypass is open during running and pulling
- ½ turn activation

TECHNICAL DATA

CASING SIZE		O.D.		CONNECTION	
in	mm	in	mm	in	mm
4 1/2	114.3	3.75	95.3	2.375	60.3
5	127.0	3.75	95.3	2.375	60.3
5 1/2	139.7	4.5	114.3	2.375	73
5 1/2	139.7	4.5	114.3	2.875	73
7	177.8	5.5	139.7	2.375	60.3
7	177.8	5.5	139.7	2.875	73
7 5/8	193.7	5.5	139.7	2.875	73
8 5/8	219.0	7.310	185.7	2.875	73
9 5/8	244.5	8.190	208.0	2.875	73

SC TENSION UNLOADER



The SC Tension Unloader provides a means of equalizing tubing and casing annulus pressures when used with a tension packer. The SC Tension Unloader also serves as a by-pass to allow fluid to pass through the mandrel of the packer while running the tubing string in and out of the well.

The SC Tension Unloader features simple setting and releasing and the ability to unload pressure above or below. The collet feature allows the unloader to remain closed while setting weight or picking up on the packer without packing off or swabbing the elements. The SC Tension Unloader transmits torque for setting and releasing packer below string.

TECHNICAL DATA

TUBING SIZE	TOOL			THREAD CONNECTION Box Up / Pin Down	PART NUMBER
inches	O.D. inches	Nominal I.D. inches	Drift I.D. inches		
2 - 7/8	4.500	2.50	2.347	2- 7/8 EUE	52525

MODEL 'A' BY-PASS VALVE



The Model 'A' By-Pass Valve is a rotational pressure balanced valve that is opened or closed by three turns to the right or left respectively. The valve can be run with SST tools, Straddle Packers, Inflatables, Packers, etc. allowing tubing and casing to communicate.

FEATURES:

- Rated to 5000 psi differential pressure
- Large ports allow fluids to pass through easily when circulating.
- Three turns to the left to close.
- Three turns to the right to open.

TECHNICAL DATA

SIZE in/mm	O.D. in/mm	I.D. in/mm	THREAD CONNECTION in/mm
4.5 114.3	3.75 95.2	1.90 48.2	2 3/8 EUE 60.36
7 177.8	5.0 127.0	2.25 47.1	2 7/8 73.0

SWAB PACKER



The Swab Packer is a ¼ turn, compression set, retrievable packer that is capable of holding high pressure from above and below. It is used for acidizing, fracturing, cementing, and casing pressure tests.

FEATURES:

- Full opening packer bore
- Hydraulic hold down pistons for pressure from below
- Built in unloader system
- Large by-pass area
- Left hand manual jay is standard
- Other jay systems are available
- Internal latch mechanism allows circulation at high rates of speed

TECHNICAL DATA

CASING SIZE				PACKER		THREAD CONNECTION
Size in/mm	Weight Range lb/ft kg/ft	Min in/mm	Max in/mm	Size	Max O.D. in/mm	
4 1/2 114.3	9.5 - 13.5 14.14 - 20.09	3.920 99.57	4.090 103.89	43A	3.75 95.25	2.375 EU 8RD 66.33 EU 8RD
5 127	15 - 18 22.32 - 26.78	4.408 111.96	4.276 108.61	43B	4.110 104.39	
5 1/2 139.7	20 - 23 29.76 - 34.22	4.670 118.62	4.778 121.36	45A2	4.500 114.3	
	15.5 - 20 23.06 - 29.76	4.778 121.36	4.892 124.26	45A4	4.640 117.86	
	13 - 15.5 19.34 - 23.06	4.892 124.26	5.044 128.12	45B	4.760 120.9	
7 177.8	32 - 35 47.62 - 52.08	6.004 152.5	6.094 154.79	47A4	5.812 147.62	2.875 EU 8RD 73.03 EU 8RD
	26 - 29 38.69 - 43.15	6.094 154.79	6.276 159.41	47B2	5.950 151.43	
	20 - 26 29.76 - 38.69	6.276 159.41	6.538 166.07	47B4	6.078 154.38	
7 5/8 193.68	33.7 - 39 50.15 - 58.03	6.625 168.28	6.765 171.83	47C4	6.453 163.91	
	26.4 - 33.7 39.28 - 50.15	6.765 171.83	6.969 177.01	47C6	6.593 167.46	
	24 - 29.7 35.71 - 44.19	6.875 174.63	7.025 178.44	47D2	6.672 169.47	
	20 - 24 29.76 - 35.71	7.025 178.44	7.125 180.98	47D4	6.812 173.02	

DOR SELECTIVE TREATING TOOL



The Complete Dan's Oilfield Rentals Selective Treating Tool is a cup style selective treating tool. The tool is designed for selective acidizing of predetermined perforating intervals. Interval length can vary from 0.3m (12") to any desired length by the addition of spacer tubing pup joints. A built-in bypass makes the STT easy to run and retrieve. A drag block assembly provides a positive method for controlling the optional circulating valve. A retrievable dart is used to blank off the lower portion below the stimulation ports.

FEATURES:

- Used to selectively acidize multiple intervals in a single run
- Heavy duty reinforced casing cups.
- Backup cups for increased pressure rating.
- Large internal bypass making it easy to run and retrieve.
- Optional rotational circulating valve.
- Fluid control valve available for low pressure / low fluid level wells.
- May be run with a swab packer assembly

TECHNICAL DATA

CASING O.D. in/mm	WEIGHT lb/ft , kg/m	MAX O.D. in/mm	MIN I.D. in/mm	THREAD CONNECTION Box up/Pin down	COT PART REFERENCE
4 1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.771 95.50	1.250 31.80	60.3mm EUE	STT114
5.0 127.0	11.50 to 15.00 17.11 to 22.32	4.125 104.80	1.250 31.80	60.3mm EUE	STT127
5 1/2 139.7	13.00 to 15.50 19.34 to 23.06	4.781 121.40	1.750 44.50	60.3mm EUE	STT139
	15.50 to 17.00 23.06 to 25.30	4.625 117.50	1.750 44.50	60.3mm EUE	STT140
	20.00 to 23.00 29.76 to 34.22	4.500 114.30	4.778 121.36	60.3mm EUE	STT141
7.00 177.8	17.00 to 20.00 25.30 to 29.76	6.210 157.70	2.250 57.20	72.0mm EUE	STT178
	23.00 to 26.00 34.23 to 38.69	5.940 150.91	2.250 57.20	72.0mm EUE	STT179
	32.00 to 35.00 47.60 to 52.10	5.780 146.80	2.250 57.20	72.0mm EUE	STT180

MECHANICAL COLLAR LOCATOR



The Drag Assembly is designed with Drag Blocks and Inconel Springs. It is commonly run with Selective Acidizing equipment to anchor the bottom hole assembly, thus enabling torque transmission to rotational valves. The centralizing effect of the Drag Assembly increases tool life, especially in Cup Type Acid Tools.

COLLAR LOCATOR

The Mechanical Casing Collar Locator provides a simple and reliable method of locating Casing Collars with the Tubing String to correlate the tubing depth to the logged depth. This tool is commonly run with Selective Acidizing Tool assemblies to locate the perforation depth.



TECHNICAL DATA

Casing				Drag Block/Collar Locator Assembly			
O.D.	Weight	I.D. in/mm		Drag Block Assembly	Collar Locator Assembly	I.D	Connection
in/mm	lb/ft , kg/m	Minimum	Maximum	Part #		in/mm	EUE 8 Rd
4 1/2 114.3	9.50 to 11.50 14.14 to 17.26	4.00 101.60	4.090 103.89	DBA450238	MCCL450238	1.933 49.10	2 3/8 60.3
5.0 127.0	11.50 to 18.00 17.11 to 26.79	4.276 108.06	4.560 115.82	DBA4500238	MCCL500238	1.933 49.10	2 3/8 60.3
5 1/2 139.7	13.00 to 15.50 19.35 to 23.07	4.950 125.73	5.044 128.12	DBA570238	MCCL570238	1.933 49.10	2 3/8 60.3
				DBA580278	MCCL580278	2.408 61.16	2 7/8 73.0
	17.00 to 20.00 25.30 to 29.76	4.778 121.36	4.892 124.26	DBA550238	MCCL550238	1.933 49.10	2 3/8 60.3
				DBA560278	MCCL560278	2.408 61.16	2 7/8 73.0
6 5/8 168.3	24.00 to 32.00 35.72 to 47.62	5.675 144.15	5.921 150.39	DBA650278	MCCL650278	2.408 61.16	2 7/8 73.0
7.00 177.8	17.00 to 20.00 25.30 to 29.76	6.456 163.98	6.538 166.07	DBA720278	-----	2.408 61.16	2 7/8 73.0
				DBA730312	-----	2.990 75.95	3 1/2 88.90
	17.00 to 23.00 25.30 to 34.23	6.366 161.70	6.538 166.07	-----	MCCL710278	2.408 61.16	2 7/8 73.0
				DBA700278	-----	2.408 61.16	2 7/8 73.0
	22.00 to 28.00 32.74 to 41.67	6.214 157.84	6.398 162.51	DBA710312	-----	2.990 75.95	3 1/2 88.90
				-----	MCCL700278	2.408 61.16	2 7/8 73.0
9 5/8 244.48	32.30 to 53.50 48.07 to 79.62	8.535 216.79	9.001 226.63	-----	MCCL950450	4.000 101.60	4 1/2 114.3

DOR FLUID CONTROL VALVE



The DR Fluid Control Valve is a pressure actuated, hydrostatic down hole valve that is used to provide control over the displacement of tubing fluids. The PA Fluid Control Valve is actuated by applying tubing pressure above the hydrostatic pressure in the tubing. The PA Fluid Control Valve is normally used in conjunction with Selective Treating Tools, but may also be used for other applications that require displacement control of tubing fluids. The Fluid Control Valve Seating Nipple must be run as part of the tubing string.

FEATURES:

- Operates by tubing pressure only
- Un affected by formation or annulus pressure
- Durable metal to metal seat
- Surface set to hold expected pressure above fluid control valve
- Equalizing feature to aid in retrieval by wireline or sand line
- Can be run in place, on wireline or if there is sufficient fluid in tubing dropped from

TECHNICAL DATA

A.P.I. Tubing	Maximum Valve O.D.	Seating Nipple I.D.	Fishing Neck	
			Nominal Size	O.D
in/mm	in/mm	in/mm	in/mm	in/mm
2 3/8 60.3	1.875 47.63	1.812 46.02	2.000 50.80	1.375 34.93
2 7/8 73.0	2.312 58.72	2.250 57.15	2.000 50.80	1.375 34.93

PROFILE NIPPLES



LNX Nipple



LNF Nipple



LNXN Nipple



LNR Nipple

The Dan's Oilfield Rentals Landing Nipples are profiled subs that feature an internal sealbore and profile to accept a locking device to anchor flow control accessories. A variety of sealbores and lock profiles are available. Landing nipples are available full opening, or with a no-go restriction to provide a positive stop for a flow control device. Landing nipples are sized to match tubing sizes and can be run above or below production packer systems to provide varying flow control options in the completion or production string.

TECHNICAL DATA

TUBING in/mm	SELECTIVE NIPPLES		NO-GO NIPPLES	
	NF SEAL BORE I.D. in/mm	LNX SEAL BORE I.D. in/mm	LNR MINIMUM I.D. in/mm	LNXN MINIMUM I.D. in/mm
1.660 42.20	1.187 30.15		1.135 28.83	
	1.250 31.75			
1.900 48.30	1.437 36.50		1.385 35.18	
	1.500 38.10	1.500 38.10	1.447 36.75	1.448 36.78
2.063 53.60	1.562 39.67		1.510 38.35	
	1.625 41.28	1.625 41.28	1.572 39.93	1.536 39.0
2.375 60.30	1.781 45.25		1.728 43.89	
	1.812 46.02		1.760 44.70	
	1.875 47.63	1.875 47.63	1.822 46.28	1.791 45.49
2.875 73.00	2.062 52.37		1.978 50.24	
	2.250 57.15		2.197 55.80	
	2.312 58.72	2.312 58.72	2.260 57.40	2.205 56.00

FEATURES:

- Nipples designed to accept common wireline flow control devices.
- Available in materials to suit a variety of well conditions. L-80 materials are standard.
- Bores are honed to provide for optimum sealing.
- Frac hardening available upon request

DOR ON-OFF TOOL



The DOR On-Off is a tubing seal receptacle that allows the isolation of a lower zone using a wireline blanking plug. The tubing string can be disconnected and removed from the well. When the tubing is re-run, the overshoot portion of the tool automatically re-engages on the slick joint, when landed.

FEATURES:

- Blanking Plug seats in the top of the slick joint to prevent build up of debris inside tools.
- Bonded seals for reliable sealing and disconnects / reconnects.
- Slick joint available with machined profile to accept any common wireline plugs.
- Overshot designed to allow for rotation through debris.
- J-slot provides for a positive connect or disconnect.
- Available with right or left hand release option



TECHNICAL DATA

CASING O.D. in/mm	TUBING O.D. in/mm	TOOL O.D. in/mm	COT PART REFERENCE
4.5 114.3	2.375 60.3	2.75 69.25	DLDT211460
5.5 139.7	2.375 60.3	4.50 114.3	DLDT214060
	2.875 73.0	4.50 114.3	DLDT214073
7.0 177.8	2.375 60.3	5.875 149.23	DLDT217860
	2.875 73.0	5.875 149.23	DLDT217873

SELECTIVE PROFILE		NO-GO NIPPLES	
LNF MINIMUM I.D. in/mm	LNK MINIMUM I.D. in/mm	LNR MINIMUM I.D. in/mm	LNKN MINIMUM I.D. in/mm
1.187 30.15		1.135 28.83	
1.250 31.75			
1.437 36.50		1.385 35.18	
1.500 38.10	1.500 38.10	1.447 36.75	1.448 36.78
1.562 39.67		1.510 38.35	
1.625 41.28	1.65 41.28	1.572 39.93	1.536 39.01
1.781 45.25		1.728 43.89	
1.812 46.02		1.760 44.70	
1.875 47.63	1.875 47.63	1.822 46.28	1.791 45.49
2.062 52.37		1.978 50.24	
2.250 57.15		2.197 55.80	
1.250 58.72	3.312 58.72	2.260 57.40	2.205 56.00

B110 & 120 HYDRAULIC SETTING TOOL



Hydraulic Setting Tool is used to run and set on Tubing, Coiled Tubing or Drill Pipe most packers which are normally set on wireline. It is especially applicable for use in deviated wells where it is not practical to run the tools on wireline or in situations where a Wireline Unit is not available. The B Setting Tool uses a bottom connection identical to the Baker E-4 Pressure Setting Assemblies. It is uniquely designed so additional piston sections may be added in order to lower the required setting pressure.

The B Setting Tool is run into the desired setting depth and the ball is dropped to the ballseat in the tool. (When used on Coiled Tubing the ball is run in place). Sufficient pressure is applied to set and pack off the packer. The pressure or combination of pressure and tubing tension, then shears the Shear Stud or Ring, freeing the Setting Assembly from the packer. The Setting Tool will automatically drain the Tubing String as it is being pulled.

Setting Tool Size in/mm	Tool Body OD in/mm	Equiv. E-4 Assembly	Maximum Shear Rating lbs daN		Thread	
					Size in/mm	Connection
10-271-0181	1.81 46.0	10#			1.00 25.4	LPT
10-271-0300	3.50 88.9	10#			2 3/8 60.3	EUE
10-271-0350	3.50 88.9	10#	35,000	15,500	2 3/8 60.3	EUE
10-271-0425	4.25 107.9	20#	50,000	22,200	2 7/8 60.3	EUE

DOR CW RETRIEVABLE BRIDGE PLUG



The DOR CW is a retrievable bridge plug that can be run on electric wireline or in conjunction with a hydraulic setting tool on tubing. The plug is a compact, quick running bridge plug that features a three piece element with steel gauge rings. Bi-directional slips provide simple, effective anchoring to the casing. The pressure equalizing system allows the plug to be unset with a straight pull

FEATURES:

- Holds pressure from above and below.
- Three piece packing element system provides for reliable, proven performance.
- Caged bi-directional slips for maximum performance.
- Manufactured from rugged alloy steel for optimum reliability in severe conditions.
- Balanced equalizing system.
- Pressure equalizes prior to releasing.
- Straight pull to release plug.
- Optional sandline or coil tubing retrieving (Must be indicated to service rep before running).
- Cost effective.

TECHNICAL DATA

CASING O.D. in/mm	WEIGHT lb/ft , kg/m	MAX O.D. in/mm	SETTING RANGE		COT PART REFERENCE
			MIN in/mm	MAX in/mm	
4 1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.800 96.50	3.920 99.57	4.280 108.71	SIWRP114
5.0 127.0	11.50 to 13.00 17.11 to 19.30	4.250 107.95	4.490 114.05	4.560 115.82	SIWRP126
	15.00 to 18.00 22.32 to 26.78	4.060 103.20	4.276 108.61	4.408 111.96	SIWRP127
5.5 139.7	13.00 to 15.50 19.34 to 23.06	4.730 120.14	4.950 125.73	5.044 128.12	SIWRP139
	15.50 to 17.00 23.06 to 25.30	4.641 117.88	4.892 124.26	4.950 125.73	SIWRP140
	17.00 to 20.00 25.30 to 29.80	4.500 114.3	4.780 121.41	4.890 124.30	SIWRP141
	17.00 to 20.00 25.30 to 29.76	6.230 158.20	6.456 163.98	6.538 166.07	SIWRP178
7.00 177.8	23.00 to 26.00 34.23 to 38.69	6.002 153.00	6.276 159.41	6.366 161.70	SIWRP179
	29.00 to 32.00 43.16 to 47.60	5.900 149.20	6.090 154.69	6.180 157.10	SIWRP180
	35.0 to 38.00 52.10 to 56.60	5.660 143.70	5.920 150.40	6.000 152.50	SIWRP181

CEMENT BAILER



The Model A Tubing Dump Bailer provides a simple and economical method for carrying cement slurry into the wellbore bottom. The Model A Tubing Dump Bailer may also be fitted with a crossover to sand line or braided line to do the same job. Since this style of Dump Bailer doesn't require expensive pumping equipment to operate, the Model A is ideal for abandonments that involve placing cement on the top of a permanent bridge plug. The Model A is pressure balanced and shear pinned to prevent accidental opening. Once shifted open a latch locks the Model A Valve Open.

FEATURES:

- Simple to use and economical
- Shear pinned to prevent premature opening
- Pressure Balanced Valve
- Valve locks in the opened position once tripped
- Run on tubing or braided line

MST MECHANICAL SETTING TOOL



MST is a mechanical setting tool for drillable cement retainers and bridge plugs. Applications include setting cement retainers or bridge plugs on tubing or drill pipe.

FEATURES:

- Allows single run for squeeze work
- Locked to cement retainer or bridge plug to avoid premature setting or loss
- Top slips partially covered to protect from accidental damage
- Will set other manufacturers cement retainer or bridge plugs

TECHNICAL DATA

Casing		Drag Block		Tool		
O.D. in/mm	Weight lb/ft	Expanded In/mm	Collapsed In/mm	I.D. In/mm	Standard Thread Connecitons	Base Product Number
4 1/2 114.3	9.50 - 13.50	4.283 108.79	3.750 95.25	0.75 19.05	2-3/8 EU 8RD	43MST
5.0 127.0	18.0 - 21.0	4.375 111.13	3.815 96.90	0.75 19.05	2-3/8 EU 8RD	43MST
5.0 127.0	15.0 - 18.0	4.490 114.50	4.015 101.98	0.75 19.05	2-3/8 EU 8RD	43MST
5.0 127.0	11.5 - 15.0	4.660 118.36	4.230 107.44	0.75 19.05	2-3/8 EU 8RD	43MST
5 -1/2 139.70	17.0 - 23.0	5.150 130.81	4.500 114.30	0.75 19.05	2-3/8 EU 8RD	45MST
5 -1/2 139.70	13.0 - 17.0	5.250 133.25	4.600 116.84	0.75 19.05	2-3/8 EU 8RD	45MST
6 152.40	20.0 - 26.0	5.437 138.10	4.787 121.59	1.25 31.75	2-3/8 EU 8RD	45MST
6-5/8 168.28	24.0 - 32.0	6.355 161.42	5.500 139.70	1.25 31.75	2-7/8 EU 8RD	45MST
7 177.80	29.0 - 38.0	6.355 161.42	5.500 139.70	1.25 31.75	2-7/8 EU 8RD	47MST
7 177.80	17.0 - 32.0	6.930 176.02	5.920 150.37	1.25 31.75	2-7/8 EU 8RD	47MST
7-5/8 193.68	24.0 - 45.3	7.325 186.06	6.370 161.80	1.25 31.75	2-7/8 EU 8RD	47MST
8-5/8 219.08	28.0 - 52.0	8.190 208.03	7.235 183.77	1.25 31.75	2-7/8 EU 8RD	49MST
9-5/8 244.48	32.0 - 61.0	9.190 233.43	8.235 209.17	1.25 31.75	2-7/8 EU 8RD	51MST
10-3/4 273.05	51.0 - 81.0	10.065 255.65	9.110 231.39	1.25 31.75	2-7/8 EU 8RD	53MST
10-3/4 273.05	32.75 - 60.7	10.425 264.80	9.470 240.54	1.25 31.75	2-7/8 EU 8RD	53MST
11-3/4 298.45	38.0 - 65.0	11.500 292.10	10.545 267.84	1.25 31.75	2-7/8 EU 8RD	54MST
13-3/8 339.73	77.0 - 102.0	12.940 328.68	11.750 298.45	1.25 31.75	2-7/8 EU 8RD	55MST
13-3/8 339.73	48.0 - 72.0	13.300 337.82	12.110 307.59	1.25 31.75	2-7/8 EU 8RD	55MST
16 406.40	84.0 - 128.0	15.190 385.83	14.000 255.60	1.25 31.75	2-7/8 EU 8RD	57MST

CR SNAP LATCH ASSEMBLY



The CR Snap Latch Seal Assembly is used to operate the valve system in the wireline set Type 'B' Cement Retainer. The Snap latch is run on the bottom of the tubing and automatically locates into the retainer bore. The snap-latch seal unit seals in the cement retainer bore and the collet system engages the latch thread at the top of the retainer bore. The collet on the Snap Latch requires 5,000 to 10,000 lbs. (2,200 to 4,500 daN) force to snap out of the retainer bore. The exact amount of force will depend on the size of the retainer and the amount of time the collet is engaged and disengaged. The snap latch allows for sufficient movement to open and close the valve while maintaining a seal in the cement retainer bore. The tubing is simply picked up to close the valve and set down to open the valve.

If it is not possible to remove the Snap Latch from the bore with a straight pull then the collet may be disengaged with right hand rotation.

TECHNICAL DATA

CASING O.D.		CONNECTION	
in	mm	in	mm
4 1/2	114.3	2 3/8 EUE	60.30
5	127.0		
5 1/2	139.7		
6 5/8	168.3	2 7/8 EUE	73.0
7	177.8		
7 5/8	193.7		
8 5/8	219.1		
9 5/8	244.5		

KAPPA SURFACE CEMENTER



The Kappa Surface Cementer is an economical, fully drillable, cast iron, pump through bridge plug. The Kappa SC Bridge Plug along with the Kappa Positive Latch Wiper Plug was designed to eliminate the requirement for a service rig on surface cementing jobs. Other applications include well abandonments, zone completions, or isolation.

FEATURES:

- 100% Canadian manufactured
- 360 Retaining rings to assist in preventing element extrusion
- Rated up to 70mpa (10,000psi) at 150c (300f)
- Wireline or hydraulic set
- it has its own adaptor kit
- Larger sizes available upon request

ANCHORS

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1/4 TURN ANCHOR CATCHER (QTC)



The 1/4 Turn Anchor Catcher (QTC) is designed to anchor the tubing string from movement in tension, compression, or rotation. The advantage of placing the tubing string in tension is to ensure that the tubing follows the rod string as close as possible. The rod string is usually in tension as a result of pumping forces. If both the tubing and rod strings are in tension the contact between them will be minimized and as a result tubing and rod wear will also be decreased.

FEATURES:

- The QTC is a Catcher, that catches the broken tubing from falling down well causing damage to Tubing/Pump/Liner
- Sets in a 1/4 turn of the tool mandrel / tubing
- Slim hole design for smaller casing I.D.'s
- Open design for gas and sand to by-pass
- The 1/4 turn tool design improves capillary line installations in both slim hole and heavy crude applications
- Teflon coated mandrel to resist H₂S and CO₂
- Inconel springs for longer life and corrosion resistance
- Adjustable secondary shear release
- Compact length
- Carbide inserts for P110 casing

Casing Size	Casing Weight	Tool O.D.		Tread Connection EUE	Tool I.D
in/mm	lb/ft , kg/m	In	mm	in/mm	in/mm
5-1/2 139.7	20 to 26 29.76 to 38.69	HCA 4.32	109.73	2 3/8 60.3	2.00 50.8
5-1/2 139.7	13 to 20 19.3 to 29.8	4.50	114.3	2 7/8 73.0	2.44 62.0
5-1/2 139.7	20 to 26 29.76 to 38.69	SH 4.32	109.73	2 7/8 73.0	2.44 62.0
7.0 177.8	17 to 26 25.3 to 38.7	HCA 6.00	152.4	2 7/8 73.0	2.44 62.0
7.0 177.8	17 to 26 25.3 to 38.7	6.00	152.4	3.00 76.2	3.00 76.2

C-1 TUBING ANCHOR CATCHER



The tough and reliable C-1 Tubing Anchor Catcher is a retrievable, double grip anchor catcher which anchors the tubing string in tension or compression in wells of any depth. Using the C-1 Anchor Catcher prevents movement of the tubing string during pumping operations and greatly increases pump efficiency while minimizing wear on tubing and rod strings. The C-1 will also prevent the tubing or rods from falling should the tubing part. The C-1 Anchor Catcher is set/released rotationally and available in left hand or right hand set models dependent on application. There is also a secondary emergency safety shear using alloy shear screws that are easily field adjustable in 2225 daN (5000 lb) increments. Carbide slips are available for all sizes of the C-1 for use when the casing is damaged, scaly or grade of 80. Unlike many similar anchor catcher designs Pinnacle's C-1 Tubing Anchor Catcher is built standard in materials that meet NACE MR-01-75 specifications for H2S service.

FEATURES:

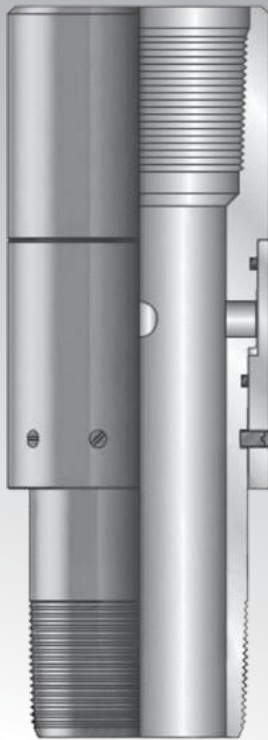
- Tough and reliable drag block design
- Sets and releases using tubing rotation
- Available in right hand set/left hand release models
- Field adjustable emergency secondary shear release
- Retrievable, double grip design
- Available with carbide slips
- Slips are fully retracted after releasing preventing slip damage
- Meets NACE MR-01-75 specifications for H2S
- Inconel slip and drag block springs

C-1 TUBING ANCHOR CATCHER

TECHNICAL DATA

Casing				Packer		
O.D.	Weight	I.D. in/mm		Gauge Ring O.D.	I.D	Connection EUE 8 Rd
in/mm	lb/ft , kg/m	Minimum	Maximum	in/mm	in/mm	in/mm
4 1/2 114.3	9.50 to 13.50 14.14 to 20.09	3.920 99.59	4.090 103.89	3.750 95.25	1.933 49.10	2 3/8 60.3
5.0 127.0	11.50 to 18.00 17.11 to 26.79	4.276 108.61	4.560 115.82	4.120 115.82	1.933 49.10	2 3/8 60.3
5 1/2 139.7	13.00 to 17.00 19.35 to 25.30	4.892 124.26	5.044 128.12	4.620 104.65	1.938 49.23	2 3/8 60.3
					2.375 60.33	2 7/8 73.0
	20.00 to 23.00 29.76 to 34.23	4.670 118.62	4.778 121.36	4.500 114.30	2.375 60.33	2 7/8 73.0
6 5/8 168.28	20.00 to 32.00 29.76 to 47.62	5.675 144.15	6.049 153.64	5.500 139.70	2.375 60.33	2 7/8 73.0
7.0 177.8	17.00 to 20.00 25.30 to 29.76	6.456 163.98	6.538 166.07	6.250 158.75	2.375 60.33	2 7/8 73.0
	23.00 to 38.00 34.23 to 56.55	5.920 150.37	6.366 161.70	5.875 149.23		
7 5/8 193.68	24.00 to 39.00 35.72 to 58.04	6.625 168.28	7.025 178.44	6.250 158.75	2.375 60.33	2 7/8 73.0
8 5/8 219.08	24.00 to 49.00 35.72 to 72.92	7.511 190.80	8.097 205.66	7.250 184.15	3.000 76.20	3 1/2 88.90
9 5/8 244.48	32.30 to 47.00 47.62 to 69.94	8.681 220.50	9.001 228.63	8.250 209.55	3.000 76.20	3 1/2 88.90

TUBING DRAIN SUB



The Tubing Drain Sub provides a means of draining or circulating through tubing when pulling out of the hole where the tubing is unable to drain or be circulated normally. To open the drain ports pressure is applied to the tubing which will shear the shear pins in the shifting sleeve and open the Tubing Drain Sub. The amount of pressure required to open the drain ports is easily field adjustable.

FEATURES:

- Simple reliable design
- Field adjustable shear value
- Available in a wide variety of material and thread combination

TECHNICAL DATA

A.P.I. Tubing	MAX. O.D.	MIN I.D.	Pressure Affected Area	Max Shear Pressure	Number of Shear Screws	Shear Pressure/ Screw
in/mm	in/mm	in/mm	psi/kPa	psi/kPa		psi/kPa
2 3/8 EUE 60.3 EUE	3.063 77.80	2.00 50.80	1.650 10.65	5,460 37,645	6	910 6274
2 7/8 EUE 73.0 EUE	3.688 93.68	2.500 63.50	2.680 17.29	6,720 46,333	12	560 3861
3 1/2 EUE 88.9 EUE	4.500 114.30	3.000 76.20	3.200 20.65	5,640 38,886	12	470 3241

PLUGS & RETAINERS

A decorative graphic consisting of two wavy, overlapping lines. The top line is black and the bottom line is dark green. They both curve from the left side towards the right, with the black line being slightly higher and further to the right than the green line.

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DB-10 BRIDGE PLUG



The DB-10 Bridge Plug is an economical, wireline or hydraulic set, permanent, drillable, cast iron bridge plug for applications where a 69 MPa (10,000 psi) bridge plug is sufficient. The DB10 Bridge Plug comes with durable one piece cast iron slips, one piece element and anti extrusion rings. The DB-10 is designed for well abandonments or zone suspension.

FEATURES:

- The compact design enables use in deviated wells.
- One-piece slips and pinned body parts minimize the risk of premature setting
- Anti Extrusion rings provide full 360-degree steel backup for element
- Construction with drillable materials enables the plug to be milled or drilled out to save the time and expense of retrieval
- Body parts keyed for milling/drilling out
- Rated at 69 MPa (10,000 psi) at 150o C (300 °F)
- Wireline or hydraulic set
- Higher temperature rated element available on request

DB-10 BRIDGE PLUG

TECHNICAL DATA

Casing				Maximum Plug O.D.	Shear Stud	Setting Tool Connection
O.D.	Weight	Recommended Range (in/mm)				
in/mm	lb/ft , kg/m	Minimum	Maximum	in/mm	lb, daN	Baker
2 3/8 60.33	4.00 to 5.80 5.95 to 8.63	1.780 45.21	2.074 52.68	1.750 44.45	*9,000 *4,005	#5
2 7/8 73.03	6.40 to 6.50 9.52 to 9.67	2.340 59.44	2.525 64.14	2.220 56.39	*9,000 *4,005	#5
3 1/2 88.90	5.75 to 10.30 8.56 to 15.33	2.867 74.22	3.258 77.93	2.750 69.85	*9,000 *4,005	#5
3 1/2 88.90	12.80 to 15.80 19.05 to 23.51	2.548 64.72	2.764 70.21	2.430 61.72	*9,000 *4,005	#5
4.00 101.60	5.60 to 14.00 8.33 to 20.83	3.340 84.84	3.732 94.79	3.140 79.76	20,000 8,900	#10
4 1/2 114.30	9.50 to 15.10 14.14 to 22.47	3.826 97.18	4.090 103.89	3.562 90.47	33,000 14,684	#10
5.00 127.00	11.50 to 20.80 17.11 to 30.95	4.156 105.56	4.560 115.82	3.937 100.00	33,000 14,684	#10
5 1/2 139.7	13.00 to 23.00 19.35 to 34.23	4.670 118.62	5.044 128.12	4.312 109.52	33,000 14,684	#20
5 3/4 146.05	14.00 to 25.20 20.83 to 37.50	4.890 124.21	5.290 134.37	4.699 119.35	33,000 14,684	#20
6 5/8 168.28	17.00 to 32.00 25.30 to 47.62	5.595 142.11	6.135 155.83	5.375 136.53	50,000 22,250	#20
7.0 177.8	17.00 to 35.00 25.30 to 52.09	6.004 152.50	6.538 166.07	5.687 144.50	50,000 22,250	#20
7 5/8 193.68	20.00 to 39.00 29.76 to 58.04	6.625 168.28	7.125 180.98	6.312 16.32	50,000 22,250	#20
8 5/8 219.08	24.00 to 49.00 35.72 to 72.92	7.310 185.67	8.097 205.66	7.125 180.98	50,000 22,250	#20

DB-5 BRIDGE PLUG



The DB-5 Bridge Plug is an economical, wireline or hydraulic set, permanent, drillable, castiron bridge plug for applications where a 34.5 MPa (5000 psi) bridge plug is sufficient. The DB-5 Bridge Plug comes with durable one piece cast iron slips and a one piece element. The DB-5 is designed for well abandonments or zone suspension

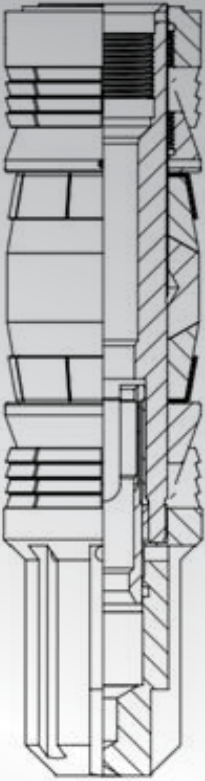
FEATURES:

- The compact design enables use in deviated wells.
- One-piece slips and pinned body parts minimize the risk of premature setting
- Wireline or hydraulic set
- Body parts keyed for milling/drilling out
- Construction with drillable materials enables the plug to be milled or drilled out to save the time and expense of retrieval
- Rated at 34.5 MPa (5000 psi) at 120o C (250 °F)
- Higher temperature rated element available on request

TECHNICAL DATA

Casing				Maximum Plug O.D.	Shear Stud	Setting Tool Connection
O.D.	Weight	Recommended Range (in/mm)				
in/mm	lb/ft , kg/m	Minimum	Maximum	in/mm	lb, daN	Baker
4 1/2 114.30	9.50 to 15.10 14.14 to 22.47	3.826 97.18	4.090 103.89	3.500 88.90	33,000 14,684	#10
5 1/2 139.7	13.00 to 23.00 19.35 to 34.23	4.670 118.62	5.044 128.12	4.312 109.52	33,000 14,684	#20
6 5/8 168.28	17.00 to 32.00 25.30 to 47.62	5.675 144.15	6.135 155.83	5.375 136.53	50,000 22,250	#20
7.0 177.8	17.00 to 35.00 25.30 to 52.09	6.004 152.50	6.538 166.07	5.610 142.50	50,000 22,250	#20

KAPPA WHM CEMENT RETAINER



The Kappa WHM cast iron drillable cement retainer's modular, field proven design makes it a versatile tool in a variety of applications. The Kappa may be set mechanically or on a wireline setting tool by changing the top slips. The Kappa also converts into a Kappa Bridge Plug.

FEATURES:

- Cast iron drillable design
- Simple, surface-controlled valve automatically closes when the stinger is removed
- Converts between mechanical or wireline set by changing top slips
- Components rotationally locked for easy drill out
- Temperature rating to 440° Fahrenheit
- Differential pressure rating to 10,000 psi thru 8-5/8"

BENEFITS:

- Allows pressure-testing before squeeze
- Engineered Valve design protects sensitive zones in low-fluid wells
- Convertibility reduces inventory requirements
- Fast drill out saves rig time

APPLICATIONS:

- Cementing
- Stimulation
- Well abandonment
- Temporary or permanent zone isolation

KAPPA WHM CEMENTER

TECHNICAL DATA

CASING				TOOL	
SIZE in/mm	WEIGHT lb/ft , kg/m	MIN I.D. in/mm	MAX I.D. in/mm	MAX O.D. in/mm	SETTING FORCE lbs (daN)
4 1/2 114.3	9.50 to 15.10 14.14 to 22.47	3.826 97.18	4.090 103.89	3.562 90.47	33,000 14,678
5.0 127.0	11.50 to 20.80 17.11 to 30.95	4.154 105.51	4.560 115.82	3.937 100.00	33,000 14,678
5 1/2 139.7	13.00 to 23.00 19.35 to 34.22	4.580 116.33	5.044 128.12	4.235 107.57	33,000 14,678
5 3/4 146.00	14.00 to 25.20 20.83 to 37.50	4.890 134.37	5.290 134.37	4.700 119.38	50,000 22,240
6 5/8 168.3	17.00 to 32.00 25.30 to 48.00	5.595 142.11	6.135 155.83	5.375 136.53	50,000 22,240
7.0 177.8	17.00 to 35.00 25.30 to 52.08	6.000 152.40	6.538 166.07	5.604 142.40	50,000 22,240
7 5/8 193.68	20.00 to 39.00 29.80 to 58.00	6.625 168.28	7.125 180.98	6.312 160.32	50,000 22,240
8 5/8 219.08	24.00 to 49.00 35.70 to 72.90	7.310 185.67	8.097 205.66	7.125 180.98	50,000 22,240
9 5/8 244.48	29.30 to 58.40 43.60 to 56.90	8.297 210.74	9.063 230.20	8.125 206.38	50,000 22,240
10 3/4 273.05	32.70 to 60.70 48.70 to 90.30	9.525 241.94	10.325 262.26	9.440 239.78	50,000 22,240
11 3/4 298.45	38.00 to 60.00 56.50 to 89.30	10.641 270.28	11.284 286.61	10.063 255.60	50,000 22,240
13 3/8 339.70	48.00 to 84.50 71.40 to 125.70	12.202 309.90	12.879 327.13	11.880 301.75	50,000 22,240

KAPPA HMII SETTING KITS

4-1/2", 5 1/2", 7" BRIDGE PLUGS



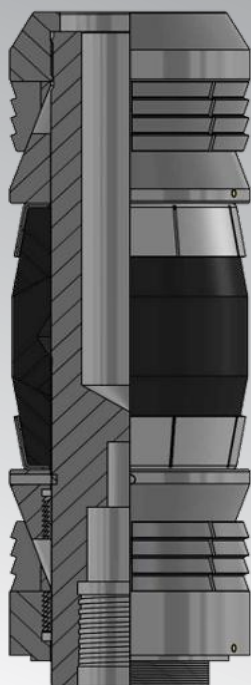
BENEFITS:

- Adaptable to Kappa Bridge Plugs, no need for extra inventory.
- Avoid tripping pipe out of the hole after setting to retrieve setting tool.
- Avoid unwanted pipe storage fees by leaving pipe in the well.
- Low pressure to start to set the Bridge Plug.
- Closed system to one step with cement in place.

TECHNICAL DATA

Size (in)	Part#	STS Pin Valve (lbs)	Top Connection Size	Effective Area (in ²)	Pressure per STS PIN (psi)	Force to Break Top Slip (lbs)
4 1/2	450-HMII	2000	2 3/8 EUE	2	293	1800-2200 9533-652 psi)
5 1/2	550-HMII	2000	2 3/8 EUE	3	332	1800-2200 9299-366 psi)
7.0	700-HMII	2000	2 7/8 EUE	4	264	5800-6500 (766-859 psi)

KAPPA WHM BRIDGE PLUG



The Kappa bridge plug is an economical, fully drillable, cast iron bridge plug. The Kappa is designed for well abandonments, zone suspension, or isolation.

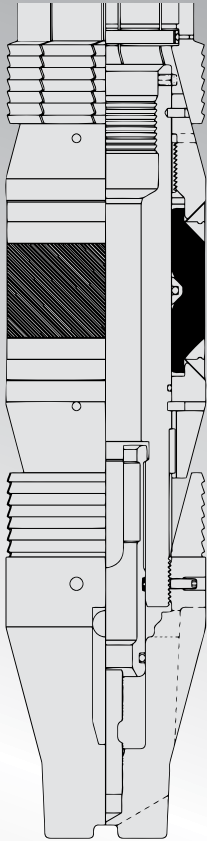
FEATURES:

- 100 % Canadian manufactured
- 360 Retaining rings to assist in preventing element extrusion
- Standard versions up to 8 5/8 rated Up to 70 mpa (10,000 psi) at 150 c (300 f)
- Wireline, hydraulic ,or hydraulic mechanical (hm)
- Compatible to bolt & alpha setting tools and adapter kits
- Availble in mid range high temperature at 200 c (400 f) and thermal application 425 c (800 f)

TECHNICAL DATA

CaseSize (in)		Case Weight		Pressure Rating		Plug O.D.		Setting Min.		Setting Max.		Setting Force	
in	mm	lb/ft	kg/m	psi	MPa	in	mm	in	mm	in	mm	lbs	daN
4 1/2	114.3	9.5-15.1	14.1-22.5	10,000	68.9	3.562	90.47	3.8626	97.18	4.090	103.89	33,000	14,678
5	127.0	11.5-20.8	17.1-31.0	10,000	68.9	3.937	100.00	4.154	105.51	4.560	115.82	33,000	14,678
5 1/2	139.7	13.0-23.0	19.3-34.0	10,000	68.9	4.235	107.57	4.580	116.33	5.044	128.12	33,000	14,678
5 3/4	146.0	14.0-25.2	20.8-37.5	10,000	68.9	4.700	119.38	4.890	124.21	5.290	134.37	33,000	14,678
6 5/8	168.3	17.0-32.0	25.3-48.0	10,000	68.9	5.375	136.53	5.595	142.11	6.135	155.83	50,000	22,240
7	177.8	17.0-35.0	25.3-52.1	10,000	68.9	5.604	142.40	6.000	152.40	6.538	166.07	50,000	22,240
7 5/8	193.7	20.0-39.0	29.8-58.0	10,000	68.9	6.312	160.32	6.625	168.28	7.125	180.98	50,000	22,240
8 5/8	219.1	24.0-49.0	35.7-72.9	10,000	68.9	7.125	180.98	7.310	185.67	8.097	205.66	50,000	22,240
9 5/8	244.5	29.3-58.4	43.6-86.9	8,000	55.2	8.125	206.38	8.297	210.74	9.063	230.20	50,000	22,240
10 3/4	273.5	32.7-60.7	48.7-90.3	5,000	34.5	9.440	239.78	9.525	241.94	10.325	262.26	50,000	22,240
11 3/4	298.5	38.0-60.0	56.5-89.3	4,000	27.6	10.063	255.60	10.641	270.28	11.284	286.61	50,000	22,240
13 3/8	339.7	48.0-84.5	71.4-125.7	3,000	20.7	11.880	301.75	12.202	309.9	12.879	327.13	50,000	22,240
20	508.0	94.0-133.0	139.8-197.8	2,000	13.8	18.375	466.73	18.730	475.74	19.124	485.75	50,000	22,240

PERMANENT CEMENT RETAINER PERMANENT BRIDGE PLUG



Permanent Cement Retainer (PCR) and Permanent Bridge Plug (PBP) products are based on a modular, field-proven, drillable cast iron design that provides versatility in a variety of applications.

The PCR may be set mechanically or by a wireline setting tool, with the top slips interchangeable to allow this ability. The PCR converts to an ideal well test isolation valve by replacing the bottom guide with a tail pipe adapter.

The PCR also converts to a Permanent Bridge Plug (PBP) by replacing the sleeve valve with a solid plug.

The PBP is also a field-proven, modular cast iron drillable tool for various applications. As with the PCR, changing the top slips enables this versatile bridge plug to be set mechanically or with a wireline setting tool.

FEATURES:

- Cast iron drillable design
- Simple, surface-controlled valve automatically closes when stinger is removed
- Easily converts between mechanical or wireline set
- Components rotationally locked for easy drill out
- Converts to a PBP Bridge Plug
- Temperature ratings to 400°F available
- Differential pressure rating to 10,000 psi through 8in. tools
- Allows pressure-testing before squeeze
- Valve protects sensitive zones in low-fluid wells
- Convertibility reduces inventory requirements
- Fast drill out saves rig time





Thank you for your time. Dans Oilfield looks forward to working with you in the future to provide the leading edge in tools, quality and leadership.

See you on your next pad.

Proudly serving the Peace Country since 2002.

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