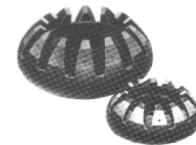
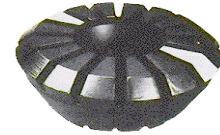




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Part Number	Item Description
Packing Elements	
GK & MSP Packing Elements	
OPP-GK-7-3NAT	7-1/16" 3,000 psi GK Packing Element, natural rubber
OPP-GK-7-3NIT	7-1/16" 3,000 psi GK Packing Element, nitrile rubber
OPP-GK-7-5NAT	7-1/16" 5,000 psi GK Packing Element, natural rubber
OPP-GK-7-5NIT	7-1/16" 5,000 psi GK Packing Element, nitrile rubber
OPP-GK-11-3NAT	11" 3,000 psi GK Packing Element, natural rubber
OPP-GK-11-3NIT	11" 3,000 psi GK Packing Element, nitrile rubber
OPP-GK-11-5NAT	11" 5,000 psi GK Packing Element, natural rubber
OPP-GK-11-5NIT	11" 5,000 psi GK Packing Element, nitrile rubber
OPP-GK-13-3NAT	13-5/8" 3,000 psi GK Packing Element, natural rubber
OPP-GK-13-3NIT	13-5/8" 3,000 psi GK Packing Element, nitrile rubber
OPP-GK-13-5NAT	13-5/8" 5,000 psi GK Packing Element, natural rubber
OPP-GK-13-5NIT	13-5/8" 5,000 psi GK Packing Element, nitrile rubber
OPP-MSP-21-2NAT	21-1/4" 2,000 psi MSP Packing Element, natural rubber
OPP-MSP-21-2NIT	21-1/4" 2,000 psi MSP Packing Element, nitrile rubber
GK Seal Kit	
OPP-GKS-7-3	7-1/16" 3,000 psi GK Seal Kit
OPP-GKS-7-5	7-1/16" 5,000 psi GK Seal Kit
OPP-GKS-11-3	11" 3,000 psi GK Seal Kit
OPP-GKS-11-5	11" 5,000 psi GK Seal Kit
OPP-GKS-13-3	13-5/8" 3,000 psi GK Seal Kit
OPP-GKS-13-5	13-5/8" 5,000 psi GK Seal Kit
OPP-MSPS-21-2	21-1/4" 2,000 psi MSP Seal Kit
Spherical Packing Elements	
OPP-SS-7-3/5NAT	7-1/16" 3,000-5,000 psi Spherical Packing Element, natural rubber
OPP-SS-7-3/5NIT	7-1/16" 3000-5000 psi Spherical Packing Element, nitrile rubber
OPP-SS-11-5NAT	11" 5,000 psi Spherical Packing Element, natural rubber
OPP-SS-11-5NIT	11" 5,000 psi Spherical Packing Element, nitrile rubber
OPP-SS-13-3/5NAT	13" 3,000-5,000 psi Spherical Packing Element, natural rubber
OPP-SS-13-3/5NIT	13-5/8" 3,000-5,000 psi Spherical Packing Element, nitrile rubber
Spherical Seal Kit	
OPP-SSK-7-3/5	7-1/16" 3,000-5,000 psi Spherical Seal Kit
OPP-SSK-11-3	11" 3,000 psi Spherical Seal Kit
OPP-SSK-11-5	11" 5,000 psi Spherical Seal Kit
OPP-SSK-13-3/5	13-5/8" 3,000-5,000 psi Spherical Seal Kit





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Part Number	Item Description
Pulsation Dampener Bladders	
K10	
OPP-K10	K10 Pulsation Dampener Bladder
K10 Kit & Accessories	
OPP-K10-KIT	K10 Repair Kit (all kit components plus a bladder)
OPP-K10STAB	K10 Stabilizer Rubber
OPP-K10/K20PLATE	K10 & K20 Plate
OPP-K10/K20VALVE	K10 & K20 Charging Valve
OPP-K10BOLT	K10 Bolt
OPP-K10LOCK	K10 Lock Washer
OPP-K20GASKET	K20 Bottom Plate Gasket
OPP-K20GAUGE	K20 Pressure Gauge
OPP-K20HOSE	K20 Charging Hose Assembly - part is interchangeable with K20
K20	
OPP-K20	K20 Pulsation Dampener Bladder
OPP-K20-HNBR	K20, HNBR
K20 Kit & Accessories	
OPP-K20 KIT	K20 Repair Kit (all kit components plus a bladder)
OPP-K20STAB	K20 Stabilizer Rubber
OPP-K10/K20PLATE	K10 & K20 Plate
OPP-K10/K20VALVE	K10 & K20 charging valve
OPP-K20BOLT	K20 Bolt
OPP-K20LOCK	K20 Lock Washer
OPP-K20GASKET	K20 Bottom Plate Gasket
OPP-K20GAUGE	K20 Pressure Gauge
OPP-K20HOSE	K20 Charging Hose Assembly
PD45	
OPP-PD45	PD45 Pulsation Dampener Bladder
PD55	
OPP-PD55	PD55 Pulsation Dampener Bladder
OPP-PD55-HNBR	PD55 Pulsation Dampener Bladder, HNBR material
OPP-PD55A	PD55 Pulsation Dampener Bladder, modified
PD55 Kit & Accessories	
OPP-PD55-KIT	PD55 Repair Kit
OPP-PD55BTMPLUG	PD55 Bottom Plug
OPP-PD55-VALVE	PD55 1/4" Needle Valve
OPP-PD55NIPPLE	PD55 Nipple Accessory
OPP-PD55GAUGE	PD55 Pressure Gauge
OPP-PD55A-CONVERSION	PD55A Conversion Kit





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Part Number	Item Description
Ram Blocks	
Well Site / Duke	
OPP-WD6-000-Block	WSI/Duke Ram Block CSO/Blind
OPPWD6-125-Block	WSI/Duke Ram Block-1 1/14
OPPWD6-150-Block	WSI/Duke Ram Block, 1-1/2
OPPWD6-175-Block	WSI/Duke Ram Block
OPP-WD6-200-Block	WSI/Duke Ram Block 2 3/8
OPP-WD6-250-Block	WSI/Duke Ram Block 2 7/8
OPP-WD6-350-Block	WSI/Duke Ram Block 3 1/2
Cameron Type U	
7-1/16" Type U	
OPPU7-000-Block	7 1/16" 3-15M Type U Ram Block CSO/Blind
OPP-U-7-216-Block	7-1/16"-3M-15M Type U Ram Block, 2-1/16"
OPPU7-200-Block	7 1/16" 3-15M Type U Ram Block 2 3/8"
OPPU7-250-Block	7 1/16" Type U Ram Block 2 7/8"
OPPU7-306-Block	7 1/16" Type U Ram Block 3-1/16"
OPPU7-350-Block	7 1/16" Type U Ram Block 3-1/2"
OPPU7-400-Block	7 1/16" Type U Ram Block 4.00"
OPPU7-450-Block	7 1/16" Type U Ram Block 4-1/2"
OPPU7-475-Block	7 1/16" Type U Ram Block 4-3/4"
OPPU7-500-Block	7 1/16" Type U Ram Block 5.00"
OPPU7-550-Block	7 1/16" Type U Ram Block 5-1/2"
11" Type U	
OPPU11-000-Block	11" Type U Ram Block CSO/Blind
OPPU11-100-Block	11" Type U Ram Block 1"
OPPU11-125-Block	11" Type U Ram Block 1-1/4"
OPPU11-150-Block	11" Type U Ram Block 1-1/2"
OPPU11-175-Block	11" Type U Ram Block 1-3/4"
OPPU11-200-Block	11" Type U Ram Block 2 3/8"
OPPU11-250-Block	11" Type U Ram Block 2 7/8"
OPPU11-350-Block	11" Type U Ram Block 3 1/2"
OPPU11-400-Block	11" Type U Ram Block 4"
OPPU11-450-Block	11" Type U Ram Block 4 1/2"
OPPU11-500-Block	11" Type U Ram Block 5"
OPPU11-550-Block	11" Type U Ram Block 5 1/2"
OPPU11-700-Block	11" Type U Ram Block 7"
13-5/8" Type U	
OPPU13-000-Block	13-5/8" TYPE U Ram Block CSO/Blind
OPPU13-100-Block	13-5/8" TYPE U Ram Block 1"
OPPU13-125-Block	13-5/8" TYPE U Ram Block 1-1/4"
OPPU13-150-Block	13-5/8" TYPE U Ram Block 1-1/2"
OPPU13-175-Block	13-5/8" TYPE U Ram Block 1-3/4"
OPPU13-200-Block	13-5/8" TYPE U Ram Block 2 3/8"
OPPU13-250-Block	13-5/8" TYPE U Ram Block 2-7/8"
OPPU13-350-Block	13-5/8" TYPE U Ram Block 3-1/2"
OPPU13-400-Block	13-5/8" TYPE U Ram Block 4"
OPPU13-450-Block	13-5/8" TYPE U Ram Block 4-1/2"
OPPU13-500-Block	13-5/8" TYPE U Ram Block 5"
OPPU13-550-Block	13-5/8" TYPE U Ram Block 5-1/2"
OPPU13-658-Block	13-5/8" TYPE U Ram Block 6-5/8"
OPPU13-700-Block	13-5/8" TYPE U Ram Block 7"
OPPU13-758-Block	13-5/8" TYPE U Ram Block 7-5/8"
OPPU13-858-Block	13-5/8" TYPE U Ram Block 8-5/8"
OPPU13-958-Block	13-5/8" TYPE U Ram Block 9-5/8"
OPPU13-1075-Block	13-5/8" TYPE U Ram Block 10-3/4"



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Part Number	Item Description
Ram Packers & Accessories	
Cameron Type U	
7-1/16" Type U	
OPPU7-000	7 1/16" Type U Ram Packer blind
OPP-U-7-216	7-1/16" Type U Ram Packer, 2-1/16"
OPPU7-200	7 1/16" Type U Ram Packer 2 3/8"
OPPU7-250	7 1/16" Type U Ram Packer 2 7/8"
OPPU7-306	7 1/16" Type U Ram Packer 3-1/16"
OPPU7-350	7 1/16" Type U Ram Packer 3-1/2"
OPPU7-400	7 1/16" Type U Ram Packer 4.00"
OPPU7-450	7 1/16" Type U Ram Packer 4-1/2"
OPPU7-475	7 1/16" Type U Ram Packer 4-3/4"
OPPU7-500	7 1/16" Type U Ram Packer 5.00"
OPPU7-550	7 1/16" Type U Ram Packer 5-1/2"
7-1/16" Accessories	
OPP-U-7-Bonn	7 1/16" Type U Bonnet Seal
OPP-U-7-Top	7 1/16" Type U Top Seal
11" Type U	
OPPU11-000	11" Type U Ram Packer, blind
OPPU11-100	11" Type U Ram Packer, 1.00"
OIPPU11-125	11" Type U Ram Packer, 1-1/4"
OPPU11-150	11" Type U Ram Packer, 1-1/2"
OPPU11-175	11" Type U Ram Packer, 1-3/4"
OPPU11-200	11" Type U Ram Packer, 2"
OPPU11-250	11" Type U Ram Packer, 2-1/2"
OPPU11-350	11" Type U Ram Packer, 3-1/2"
OPPU11-400	11" Type U Ram Packer, 4"
OPPU11-450	11" Type U Ram Packer, 4-1/2"
OPPU11-500	11" Type U Ram Packer, 5"
OPPU11-550	11" Type U Ram Packer, 5-1/2"
OPPU11-700	11" Type U Ram Packer, 7"
11" Accessories	
OPP-U-11-BS	11" Type U Bonnet Seal
OPP-U-11-TS	11" Type U Top Seal
13-5/8" Elements	
OPPU13-000	13-5/8" Type U Ram Packer, blind
OPPU13-100	13-5/8" Type U Ram Packer, 1"
OPPU13-125	13-5/8" Type U Ram Packer, 1-1/4"
OPPU13-150	13-5/8" Type U Ram Packer, 1-1/2"
OPPU13-175	13-5/8" Type U Ram Packer, 1-3/4"
OPPU13-200	13-5/8" Type U Ram Packer, 2"
OPPU13-250	13-5/8" Type U Ram Packer, 2-1/2"
OPPU13-350	13-5/8" Type U Ram Packer, 3-1/2"
OPPU13-400	13-5/8" Type U Ram Packer, 4"
OPPU13-450	13-5/8" Type U Ram Packer, 4-1/2"
OPPU13-500	13-5/8" Type U Ram Packer, 5"
OPPU13-550	13-5/8" Type U Ram Packer, 5-1/2"
OPPU13-658	13-5/8" Type U Ram Packer, 6-5/8"
OPPU13-700	13-5/8" Type U Ram Packer, 7"
OPPU13-758	13-5/8" Type U Ram Packer, 7-5/8"
OPPU13-800	13-5/8" Type U Ram Packer, 8"
OPPU13-858	13-5/8" Type U Ram Packer, 8-5/8"
OPPU13-958	13-5/8" Type U Ram Packer, 9-5/8"
OPPU13-1075	13-5/8" Type U Ram Packer, 10-3/4"
13-5/8" Accessories	
OPP-U13-TS	13-5/8"- 5M Top Seal
OPP-644197-3	13-5/8" 5-10M Type "U" Bonnet Seal
Chasavoy	
OPP-CHAS-7-000	7-1/16" Chasavoy Ram Packer, CSO/Blind
OPP-CHAS-7-200	7-1/16" Chasavoy Ram Packer, 2-3/8"
OPP-CHAS-7-250	7-1/16" Chasavoy Ram Packer, 2-7/8"
OPP-CHAS-7-350	7-1/16" Chasavoy Ram Packer, 3 1/2"
Chasavoy Accessories	
OPP-CHAS-7-TS	7-1/16" Chasavoy Ram Packer Top Seal





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Part Number	Item Description
Shaffer	
Type 61 LWS	
OPP-LWS61-125	6" LWS Type 61 Ram Packer, 1 - 1/4"
OPP-LWS61-150	6" LWS Type 61 Ram Packer, 1 - 1/2"
OPP-LWS61-6-200	6" LWS Type 61 Ram Packer, 2-3/8"
OPP-LWS61-216	6" LWS Type 61 Ram Packer, 2 - 1/16"
OPP-LWS61-250	6" LWS Type 61 Ram Packer, 2-7/8"
OPP-LWS61-350	6" LWS Type 61 Ram Packer, 3-1/2"
OPP-LWS61-6-000	6" LWS Type 61 Ram Packer, blind
Type 64 LWP	
OPP-Type64-250	7-1/16"-3M Type 64 Ram Packer, 2-7/8"
OPP-Type64-350	7-1/16"-3M Type 64 Ram Packer, 3-1/2"
Type 70 LWS	
OPP-LWS-70-11-5M-000	11"-5M Shaffer LWS Type 70 Ram Packer X CSO
OPP-LWS-70-11-5M-450	11" 5M Shaffer LWS Type 70 Ram Packer X 4-1/2"
Well Site / Duke	
OPP-WD6-000	WSI/Duke Ram Packer, blind
OPP-WD6-125	WSI/Duke Ram Packer, 1-1/4"
OPP-WD6-150	WSI/Duke Ram Packer, 1-1/2"
OPP-WD6-175	WSI/Duke Ram Packer, 1-3/4"
OPP-WD6-200	WSI/Duke Ram Packer, 2-3/8"
OPP-WD6-250	WSI/Duke Ram Packer, 2-7/8"
OPP-WD6-350	WSI/Duke Ram Packer, 3-1/2"
WSI Accessories	
OPP-WD6-TS	WSI/Duke Top Seal
Hydril	
Sentry	
OPP-HYD-FSEAL-000	7 - 1/16" 3/5M Sentry Ram Packer, CSO/Blind
OPP-HYD-FSEAL-200	7 - 1/16" 3/5M Sentry Ram Packer, 2-3/8"
OPP-HYD-FSEAL-250	7 - 1/16" 3/5M Sentry Ram Packer, 2-7/8"
OPP-HYD-FSEAL-350	7 - 1/16" 3/5M Sentry Ram Packer, 3-1/2"
OPP-HYD-TSEAL	7 - 1/16" 3/5M Sentry Top Seal





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Part Number	Item Description
Drill Pipe Protectors	
OPP-DPP-450X625	4 1/2" X 6 1/4" Drill Pipe Protector, Spiral Fluted

Part Number	Item Description
Type "F" Test Cup	
OPP-FTC-30598-01	7" Type "F" Test Cup, 29-38#
OPP-FTC-30598-02	7" Type "F" Test Cup, 17-28#
OPP-FTC-30599-01	7-5/8" Type "F" Test Cup, 24-26.4#
OPP-FTC-30599-02	7-5/8" Type "F" Test Cup, 29.7- 39#
OPP-FTC-30601-01	9-5/8" Type "F" Test Cup, 32.3-40#
OPP-FTC-30601-02	9-5/8" Type "F" Test Cup, 43.5-53.5#
OPP-FTC-30579-01	13-3/8" Type "F" Test cup, 68-72#
OPP-FTC-30579-02	13-3/8" Type "F" Test cup, 48-61#
OPP-FTC-30584	16" Type "F" Test Cup, All #
OPP-FTC-33543	20" Type "F" Test cup, 78.6-129.3#

OPP-SUBASSEMBLY-30603	3-1/2" Mandrel Assembly
OPP-SUBASSEMBLY-450	4-1/2" Mandrel Assembly

Part Number	Item Description
Stripper Rubbers	
JU Stripper Rubber	
OPP-JU-200	JU Stripper Rubber, 2-3/8"
OPP-JU-250	JU Stripper Rubber, 2-7/8"
OPP-JU-350	JU Stripper Rubber, 3-1/2"
BIW Stripper Rubbers	
OPP-BIW-200	BIW Stripper Rubber, 2-3/8"
OPP-BIW-250	BIW Stripper Rubber, 2-7/8"
OPP-BIW-350	BIW Stripper Rubber, 3-1/2"
Texas Short Hall Stripper Rubber	
OPP-TSH-216	Texas Short Hall Stripper Rubber, 2-1/16"
OPP-TSH-200	Texas Short Hall Stripper Rubber, 2-3/8"
OPP-TSH-250	Texas Short Hall Stripper Rubber, 2-7/8"
OPP-TSH-350	Texas Short Hall Stripper Rubber 3-1/2"
Texas Short Hall Stripper Head	
OPP-STRPHD-SHORT	Texas Stripper Head - short
OPP-STRPRHD	Texas Stripper Head - regular
EE Stripper Rubber	
OPP-EERS	Double "E" Rod Stripper Rubber
Coil Tubing Stripper Rubber	
OPP-COIL-3X125	3" Urethane Stripper 1.25"
OPP-COIL-3X1	3" Urethane Stripper 1"





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Part Number	Item Description
Pipe Wipers	
Flat Wipers	
OPP-FW-910	9" Flat Pipe Wiper, 1-1/2" ID
OPP-FW-920	9" Flat Pipe Wiper, 2-3/8" ID
OPP-FW-925	9" Flat Pipe Wiper, 2-7/8" ID
OPP-FW-935	9" Flat Pipe Wiper, 3-1/2" ID
OPP-FW-1720	17" Flat Pipe Wiper
OPP-FW-1920	19" Flat Pipe Wiper
Dual Split Wipers	
OPP-DW-1720	17" Dual Pipe Wiper
OPP-DW-1920	19" Dual Pipe Wiper
OPP-DW-2200	22" Dual Pipe Wiper
Hex Kelly Wipers	
OPP-HKW-10525	10 X 5-1/4" Hex Kelly Wiper

Part Number	Item Description
Oil Saver Rubbers	
OPP-OSR-BLACK	Oil Saver Rubber, black
OPP-OSR-RED	Oil Saver Rubber, red
OPP-OSR-BLUE	Oil Saver Rubber, blue
OPP-OSR-GREEN	Oil Saver Rubber, green

Part Number	Item Description
Swab Cup	
Light Load	
OPP-ALM-200LA	2 - 3/8" Type "L" Swab Cup, aluminum core
OPP-ALM-250LA	2 - 7/8" Type "L" Swab Cup, aluminum core
Medium Load	
OPP-ALM-200MA	2 - 3/8" Type "M" Swab Cup, aluminum core
OPP-ALM-250MA	2 - 7/8" Type "M" Swab Cup, aluminum core
OPP-ALM-300MA	3 - 1/2" Type "M" Swab Cup, aluminum core
Super Load	
OPP-USW-200	2-3/8" Super Load, Wire Swab Cup
OPP-USW-250	2-7/8" Super Load, Wire Swab Cup
OPP-USW-350	3-1/2" Super Load, Wire Swab Cup

Part Number	Item Description
Hammer Union Seal	
OPP-HUS-200	2" Hammer Union Seal
OPP-HUS-300	3" Hammer Union Seal
OPP-HUS-400	4" Hammer Union Seal