

PIG REPLACEMENT PARTS



C - Scraper
2 - 14"
Pg. 7-2



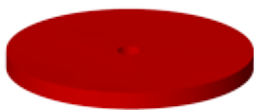
M - Conical
3 - 14"
Pg. 7-10



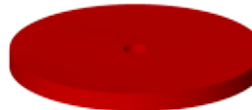
C - Scraper
16 - 48"
Pg. 7-3



M - Conical
16 - 48"
Pg. 7-11



C - Sealer
3 - 14"
Pg. 7-4



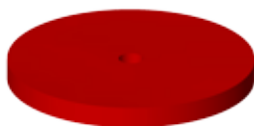
M - Sealer
3 - 14"
Pg. 7-12



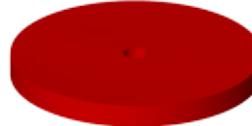
C - Sealer
16 - 48"
Pg. 7-5



M - Sealer
16 - 48"
Pg. 7-13



C - Guide
3 - 14"
Pg. 7-6



M - Guide
3 - 14"
Pg. 7-14



C - Guide
16 - 48"
Pg. 7-7



M - Guide
16 - 48"
Pg. 7-15



JC - Jetted
2 - 14"
Pg. 7-8



MDK
16 - 48"
Pg. 7-16



JC - Jetted
16 - 48"
Pg. 7-9



UT
6 - 14"
Pg. 7-17

Series C

SCRAPER CUP

2-14" (51-356mm)



Size	O.D	I.D	Weight	Part # 86A
2"	2.125	0.50	0.1	91-3015-02
3"	3.375	0.50	0.2	91-3015-03
4"	4.375	0.50	0.4	91-3015-04
6"	6.375	1.00	1.1	91-3015-06
8"	8.500	1.00	1.9	91-3015-08
10"	10.625	1.00	3.7	91-3015-10
12"	12.750	1.00	6.1	91-3015-12
14"	13.875	1.00	8.0	91-3015-14

The unique design of the Series C Cup provides both the cleaning advantages of a scraper cup and the flexibility of a conical cup. The wear surface is three times larger than any other scraper, which promotes longer cup life, while the pressure of the product keeps the cutting edge firmly against the pipe wall to provide an optimum seal. The flex area between the shank and the cleaning surface allows the Apache cup to traverse 15% reductions in pipe bore caused by buckling or flattening of the pipeline.

Series C

SCRAPER CUP

16-48" (406-1219mm)

The unique design of the Series C Cup provides both the cleaning advantages of a scraper cup and the flexibility of a conical cup. The wear surface is three times larger than any other scraper, which promotes longer cup life, while the pressure of the product keeps the cutting edge firmly against the pipe wall to provide an optimum seal. The flex area between the shank and the cleaning surface allows the Apache cup to traverse 15% reductions in pipe bore caused by buckling or flattening of the pipeline.

Size	O.D	I.D	Weight	Part # 86A
16"	16.000	8.750	8.9	91-3015-16
18"	17.875	10.875	11	91-3015-18
20"	19.875	10.875	18	91-3015-20
22"	21.875	10.875	25	91-3015-22
24"	23.875	14.125	30	91-3015-24
26"	25.875	14.125	37	91-3015-26
28"	27.875	16.125	43	91-3015-28
30"	29.875	16.125	50	91-3015-30
32"	32.000	20.125	52	91-3015-32
34"	34.000	20.125	69	91-3015-34
36"	36.000	22.125	74	91-3015-36
42"	42.125	24.125	117	91-3015-42
48"	47.750	32.125	156	91-3015-48

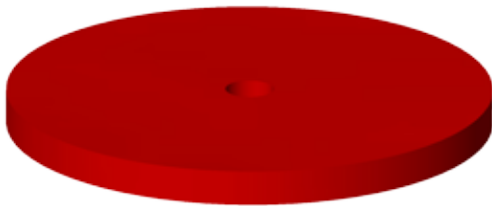


Series C

SEALER DISCS

3-14" (76-356mm)

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series C cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.



Size	O.D	I.D	Weight	Part #
3"	3.375	0.500	0.1	91-3210-03
4"	4.375	0.500	0.2	91-3210-04
6"	6.375	1.000	0.5	91-3210-06
8"	8.375	1.000	1.2	91-3210-08
10"	10.500	1.000	1.9	91-3210-10
12"	12.500	1.000	3.3	91-3210-12
14"	13.875	1.000	4.1	91-3210-14

All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series C

SEALER DISCS

16-48" (406-1219mm)

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series C cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.

Size	O.D	I.D	Weight	Part #
16"	15.875	8.750	4.5	91-3210-16
18"	17.875	10.875	5.2	91-3210-18
20"	20.000	10.875	8.4	91-3210-20
22"	22.000	10.875	11	91-3210-22
24"	24.125	14.125	13	91-3210-24
26"	26.125	14.125	17	91-3210-26
28"	28.250	16.125	21	91-3210-28
30"	30.250	16.125	25	91-3210-30
32"	32.375	20.125	27	91-3210-32
34"	34.375	20.125	33	91-3210-34
36"	36.500	22.125	40	91-3210-36
38"	38.500	22.125	47	91-3210-38
40"	40.625	22.125	54	91-3210-40
42"	42.125	24.125	63	91-3210-42
48"	48.875	32.125	81	91-3210-48



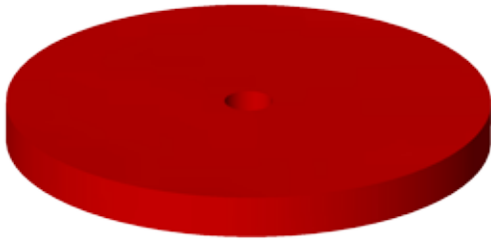
All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series C

GUIDE DISCS

3-14" (76-356mm)

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series C cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.



Size	O.D	I.D	Weight	Part #
3"	3.000	0.50	0.12	91-3220-03
4"	4.000	0.500	0.2	91-3220-04
6"	6.000	1.000	0.7	91-3220-06
8"	8.000	1.000	1.6	91-3220-08
10"	10.000	1.000	2.5	91-3220-10
12"	12.000	1.000	4.2	91-3220-12
14"	13.250	1.000	5.2	91-3220-14

All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series C

GUIDE DISCS

16-48" (406-1219mm)

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series C cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.

Size	O.D	I.D	Weight	Part #
16"	15.250	8.750	6.0	91-3220-16
18"	17.250	10.875	6.9	91-3220-18
20"	19.250	10.875	11	91-3220-20
22"	21.250	10.875	14	91-3220-22
24"	23.250	14.125	15	91-3220-24
26"	25.500	14.125	19	91-3220-26
28"	27.250	16.125	25	91-3220-28
30"	29.250	16.125	31	91-3220-30
32"	31.250	20.125	32	91-3220-32
34"	33.250	20.125	39	91-3220-34
36"	35.250	22.125	45	91-3220-36
38"	37.250	22.125	54	91-3220-38
40"	39.250	22.125	63	91-3220-40
42"	41.250	24.250	76	91-3220-42
48"	47.250	32.125	97	91-3220-48



All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series JC

JETTED CUP

2-14" (51-356mm)

The Jetted Cup works well in oil, gas and products pipelines. It eliminates the large accumulations of wax left in scraper traps after the arrival of cleaning pigs. The grooves on the lip of the cup provide increased scraping and cutting action of standard cups. The design of the jetting grooves causes the pig to rotate as it travels ensuring even wear of the cup, increasing cup life and reducing operating costs.



Size	O.D	I.D	Weight	Part #
2"	2.125	0.50	0.1	91-3998-02
3"	3.375	0.50	0.2	91-3998-03
4"	4.375	0.50	0.4	91-3998-04
6"	6.375	1.00	1.1	91-3998-06
8"	8.500	1.00	1.9	91-3998-08
10"	10.625	1.00	3.7	91-3998-10
12"	12.750	1.00	6.1	91-3998-12
14"	13.875	1.00	8.0	91-3998-14



The turbulence created, jets away debris from in front of the cleaning pig. The grooves in the surface of the cup allow a calibrated amount of fluid to pass along the wall of the pipe to jet away wax, sand and other debris.



Check out apachepipe.com/animations.html for videos on jetted cups.

Series JC

JETTED CUP

16-48" (406-1219mm)

Size	O.D	I.D	Weight	Part #
16"	16.000	8.750	8.9	91-3998-16
18"	17.875	10.875	11	91-3998-18
20"	19.875	10.875	18	91-3998-20
24"	23.875	14.125	30	91-3998-24
26"	25.875	14.125	37	91-3998-26
30"	29.875	16.125	50	91-3998-30
34"	34.000	20.125	69	91-3998-34
36"	36.000	22.125	74	91-3998-36
42"	42.125	24.125	117	91-3998-42
48"	47.750	32.125	156	91-3998-48



The turbulence created, jets away debris from in front of the cleaning pig. The grooves in the surface of the cup allow a calibrated amount of fluid to pass along the wall of the pipe to jet away wax, sand and other debris.



Check out apachepipe.com/animations.html for videos on jetted cups.

Series M

CONICAL CUP

3-14" (76-356mm)



Size	O.D	I.D	Weight	Part #
3"	3.375	0.500	0.5	91-5010-03
4"	4.375	0.500	0.5	91-5010-04
6"	6.500	1.000	1.0	91-5010-06
8"	8.375	1.000	1.7	91-5010-08
10"	10.500	1.000	3.0	91-5010-10
12"	12.500	1.000	4.1	91-5010-12
14"	14.000	1.000	6.3	91-5010-14

The wide sealing surface provides long cup life, while the flexible design gives a continuous seal in the pipeline. Pipeline cleaners mounted with this cup can negotiate pipe bore reductions of up to 20%. All Series M Cups are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series M

CONICAL CUP

16-48" (406-1219mm)

The wide sealing surface provides long cup life, while the flexible design gives a continuous seal in the pipeline. Pipeline cleaners mounted with this cup can negotiate pipe bore reductions of up to 20%. All Series M Cups are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

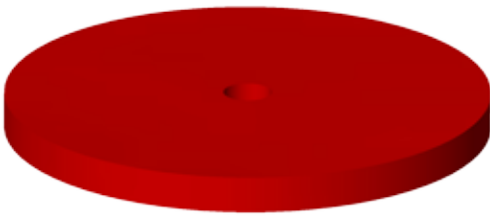
Size	O.D	I.D	Weight	Part #
16"	15.875	6.750	8.2	91-5010-16
18"	18.000	8.375	12	91-5010-18
20"	20.000	8.375	14	91-5010-20
22"	22.000	10.375	21	91-5010-22
24"	24.000	10.375	27	91-5010-24
26"	26.000	12.375	32	91-5010-26
28"	28.000	12.375	42	91-5010-28
30"	29.875	15.375	50	91-5010-30
32"	32.000	15.375	59	91-5010-32
34"	34.000	17.375	79	91-5010-34
36"	36.000	17.375	90	91-5010-36
38"	38.000	20.375	105	91-5010-38
40"	40.000	20.375	148	91-5010-40
42"	42.000	20.375	213	91-5010-42
48"	48.000	24.375	246	91-5010-48



Series M

SEALER DISCS

3-14" (76-356mm)



Size	O.D	I.D	Thick	Weight	Part #
3"	3.375	0.500	0.125	0.1	91-5210-03
4"	4.375	0.500	0.250	0.2	91-5210-04
6"	6.375	1.000	0.375	0.5	91-5210-06
8"	8.375	1.000	0.500	1.2	91-5210-08
10"	10.500	1.000	0.500	1.9	91-5210-10
12"	12.500	1.000	0.625	3.3	91-5210-12
14"	13.875	1.000	0.625	4.1	91-5210-14

**Part numbers shown are for 85 Durometer (62 and 72 also available)*

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series M cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.

All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series M

SEALER DISCS

16-48" (406-1219mm)

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series M cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.

Size	O.D	I.D	Thick	Weight	Part #
16"	15.875	6.750	0.750	5.1	91-5210-16
18"	17.875	8.375	0.750	6.4	91-5210-18
20"	20.000	8.375	0.875	9.7	91-5210-20
22"	22.000	10.375	0.875	11	91-5210-22
24"	24.125	10.375	1.000	16	91-5210-24
26"	26.125	12.375	1.000	18	91-5210-26
28"	28.250	12.375	1.125	25	91-5210-28
30"	30.250	15.375	1.125	26	91-5210-30
32"	32.375	15.375	1.250	34	91-5210-32
34"	34.375	17.375	1.250	37	91-5210-34
36"	36.500	17.375	1.375	44	91-5210-36
38"	38.500	20.875	1.375	44	91-5210-38
40"	40.625	20.875	1.375	51	91-5210-40
42"	42.125	20.875	1.500	64	91-5210-42
48"	48.875	24.875	1.750	90	91-5210-48

**Part numbers shown are for 85 Durometer (62 and 72 also available)*

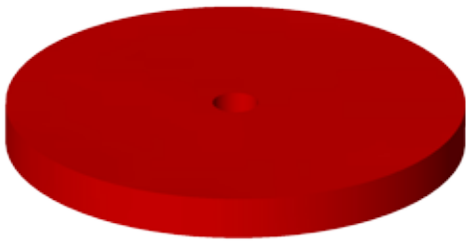


All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series M

GUIDE DISCS

3-14" (76-356mm)



Size	O.D	I.D	Thick	Weight	Part #
3"	3.000	0.500	0.375	0.1	91-5220-03
4"	4.000	0.500	0.375	0.2	91-5220-04
6"	6.000	1.000	0.625	0.7	91-5220-06
8"	8.000	1.000	0.750	1.6	91-5220-08
10"	10.000	1.000	0.750	2.5	91-5220-10
12"	12.000	1.000	0.875	4.2	91-5220-12
14"	13.250	1.000	0.875	5.2	91-5220-14

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series M cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.

All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series M

GUIDE DISCS

16-48" (406-1219mm)

Apache discs can be used in both bi-directional and uni-directional applications, or in conjunction with Series M cups as sealing or guide discs. The dimensions, durometer or composition of the discs can be varied to meet any special requirements.

Size	O.D	I.D	Thick	Weight	Part #
16"	15.250	6.750	1.125	7.2	91-5220-16
18"	17.250	8.375	1.125	8.7	91-5220-18
20"	19.250	8.375	1.250	13	91-5220-20
22"	21.250	10.375	1.250	15	91-5220-22
24"	23.250	10.375	1.250	19	91-5220-24
26"	25.250	12.375	1.250	21	91-5220-26
28"	27.250	12.375	1.500	30	91-5220-28
30"	29.250	15.375	1.500	32	91-5220-30
32"	31.250	15.375	1.625	41	91-5220-32
34"	33.250	17.375	1.625	45	91-5220-34
36"	35.250	17.375	1.750	56	91-5220-36
38"	37.250	20.875	1.750	57	91-5220-38
40"	39.250	20.875	1.750	66	91-5220-40
42"	41.250	20.875	2.000	86	91-5220-42
48"	47.250	24.875	2.375	131	91-5220-48



All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series MDK

SEALER DISC

16-48" (406-1219mm)

Size	O.D	I.D	# Holes	Weight	Part #
16"	15.875	8.750	12	4.5	91-7200-16
20"	20.000	10.870	12	7.9	91-7200-20
24"	24.125	14.180	12	14.2	91-7200-24
30"	30.250	18.150	12	22	91-7200-30
36"	36.500	22.250	12	38	91-7200-36
42"	42.125	26.250	12	55	91-7200-42
48"	48.875	28.250	12	71	91-7200-48

**Part numbers shown are for 72 Durometer (62 and 85 also available)*

All MDK are on a metric bolt pattern and only have 12 holes per disc.

GUIDE DISC

16-48" (406-1219mm)

Size	O.D	I.D	# Holes	Weight	Part #
16"	15.250	8.750	12	5.9	91-7205-16
20"	19.250	10.870	12	8.8	91-7205-20
24"	23.250	14.180	12	19	91-7205-24
30"	29.250	18.150	12	30	91-7205-30
36"	35.250	22.250	12	48	91-7205-36
42"	41.250	26.250	12	83	91-7205-42
48"	47.250	28.250	12	123	91-7205-48



MDK-ED pigs are equipped with durable guide discs, one at each end. The guide discs provide a positive centering affect which allow the four sealing discs in the center to effectively seal during the displacement period.

All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.

Series UT

SEALER DISC

6-14" (152-356mm)

Size	O.D	I.D	Weight	Part #
6"	6.375	2.500	0.5	91-4210-06
8"	8.375	3.000	1.1	91-4210-08
10"	10.500	3.625	1.7	91-4210-10
12"	12.500	4.625	3.1	91-4210-12
14"	13.875	4.625	3.6	91-4210-14



**Part numbers shown are for 85 Durometer (62 and 72 also available)*

GUIDE DISC

6-14" (152-356mm)

Size	O.D	I.D	Weight	Part #
6"	6.000	2.500	0.6	91-4220-06
8"	8.000	3.000	1.3	91-4220-08
10"	10.000	3.625	2.4	91-4220-10
12"	12.000	4.625	4.0	91-4220-12
14"	13.750	4.625	5.0	91-4220-14



Apache discs can be used in both bi-directional and uni-directional applications. The dimensions, durometer or composition of the discs can be varied to meet any special requirements. All Apache discs are manufactured from high quality polyurethane and are available with a variety of wear resistant additives. Apache has also developed a proprietary chemically-resistant urethane suited specifically for severe environments such as hydrogen sulphide gas.