

ALTO HEAVY DUTY CATALOG

ALLIS CHALMERS

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
1004876 FRICTION CLUTCH 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
1018224 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1018238 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
1018239 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
11018222 SEL STEEL (Selective Thickness) 54 EXT	023701-140	Steel Clutch	138.99 x 99.01 x 1.40	5.472 x 3.898 x .055
11018222 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4913971 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
4913985 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
4917871 STEEL (MATES WITH 053702) 12 EXT	053703	Steel Clutch	156.03 x 119.13 x 1.80	6.143 x 4.690 x .071
4917873 FRICTION (PAPER FACE VERSION) TAN PL 24 INT	053702	Friction Clutch	142.98 x 110.08 x 1.55	5.629 x 4.334 x .061
4917896 FRICTION (PAPER FACE VERSION) HEG SMOOTH 34 INT	053700	Friction Clutch	99.85 x 68.17 x 1.55	3.931 x 2.684 x .061
70256524 FRICTION PTO BRONZE (8 PER UNIT) 28 INT	302702BR	Friction Clutch	152.32 x 85.85 x 3.05	5.997 x 3.380 x .120
70261212 FRICTION BRONZE 32 INT	302704BR	Friction Clutch	177.57 x 99.49 x 3.05	6.991 x 3.917 x .120
70265486 STEEL PTO 3 EXT	302703	Steel Clutch	176.83 x 97.59 x 1.91	6.962 x 3.842 x .075
70265487 WAVE SPRING	302767	Steel Clutch	164.72 x 156.82 x .76	6.485 x 6.174 x .030
73047703 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
73077153 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
9502757 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068

ALLISON - OTHER CLUTCHES

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23010438 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
51004697 FRICTION FORWARD CLUTCH PLATE (LESS DAMPER ASSEMBLY) Fits Applications 511HP up to 600HP	352720-540	Friction Clutch	363.80 x 180.98 x 5.38	14.323 x 7.125 x .212
5101603 FRICTION FORWARD CLUTCH PLATE (LESS DAMPER ASSEMBLY) Fits Applications up to 510HP	352720-540	Friction Clutch	363.80 x 180.98 x 5.38	14.323 x 7.125 x .212
6758737 STEEL CLBT-4460 8 EXT	179763-500	Steel Clutch	311.15 X 234.95 X 5.05	12.25 X 9.25 X .199
6770865 STEEL STEPPED - APPLY PRESSURE PLATE 8 EXT	352703	Steel Clutch	257.18 x 175.64 x 7.98	10.125 x 6.915 x .314
6770916 STEEL 8 EXT	352707-500	Steel Clutch	209.55 x 157.48 x 4.97	8.250 x 6.200 x .196
6770917 STEEL Mating plate to 352710-385 Friction 8 EXT	178721	Steel Clutch	209.70 x 157.02 x 2.41	8.256 x 6.182 x .095
6772093 STEEL 8 EXT	352707-755	Steel Clutch	209.55 x 157.48 x 7.54	8.250 x 6.200 x .297
6776092 STEEL 8 EXT	317721-300	Steel Clutch	330.20 x 254.00 x 3.00	12.980 x 9.990 x .118
6830293 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
6830368 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6830920 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
6837565 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154

ALLISON 5000,6000 Series

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23019152 OVERHAUL KIT	352808	Overhaul Kit		
6769326 STEEL 30 EXT	352711-495	Steel Clutch	386.94 x 322.78 x 4.95	15.234 x 12.708 x .195
6832138 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210
6832138 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210

ALLISON 8000 Series

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23041615 FRICTION 89 INT	352706-520	Friction Clutch	433.27 x 371.30 x 5.18	17.058 x 14.618 x .204
23041616 FRICTION 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
23048195 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210
29544490 OVERHAUL KIT	352802	Overhaul Kit		
6776610 STEEL 30 EXT	352711-300	Steel Clutch	386.94 x 322.78 x 3.00	15.234 x 12.708 x .118
6777796 STEEL CLBT58, 59, 60 TRANSMISSION CLUTCH 35 EXT	352713-500	Steel Clutch	450.30 x 389.40 x 5.00	17.710 x 15.310 x .197
6779887	TBA	Friction Clutch		

ALLISON CLT 3340-3461

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
6830950 FRICTION BRONZE Mating plate to 178721 Steel	352710-385	Friction Clutch	200.00 x 144.80 x 3.90	7.860 x 5.690 x .153

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ALLISON CLT 3340-3461

59 INT

ALLISON CRT 3321-3630

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
6768446 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6837690 STEEL (10 Per unit) 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107

ALLISON CRT 5633

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23048511 FRICTION 73 INT	056712	Friction Clutch	371.70 x 302.95 x 5.23	14.634 x 11.927 x .206
6776610 STEEL 30 EXT	352711-300	Steel Clutch	386.94 x 322.78 x 3.00	15.234 x 12.708 x .118
6884505 OVERHAUL KIT	352810	Overhaul Kit		

ALLISON DP - 58,59,60 SERIES

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23041616 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
23048195 FRICTION BRONZE 89 INT	352700A510	Friction Clutch	433.50 X 371.73 X 5.33	17.067 X 14.635 X .210
6769326 STEEL 30 EXT	352711-495	Steel Clutch	386.94 x 322.78 x 4.95	15.234 x 12.708 x .195
6776610 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6777796 STEEL CLBT58, 59, 60 TRANSMISSION CLUTCH 35 EXT	352713-500	Steel Clutch	450.30 x 389.40 x 5.00	17.710 x 15.310 x .197

ALLISON HT 70-CLBT 4460

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
6758737 STEEL CLBT-4460 8 EXT	179763-500	Steel Clutch	311.15 X 234.95 X 5.05	12.25 X 9.25 X .199

ALLISON OVERHAUL KITS

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23012606 OVERHAUL KIT CLBT 700 SERIES	352800	Overhaul Kit		
23019152 OVERHAUL KIT CLBT 5000 SERIES	352808	Overhaul Kit		
29544490 OVERHAUL KIT CLBT 5000/6000 SERIES	352802	Overhaul Kit		
6838897 OVERHAUL KIT TT2000/3000/4000	352812	Overhaul Kit		
6884505 OVERHAUL KIT CRT-5563 SERIES	352810	Overhaul Kit		

ALLISON TT2000/3000/4000

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
23010122 FRICTION HEG WF (9 Per Unit) 60 INT	352704A388	Friction Clutch	253.52 x 187.71 x 3.91	9.981 x 7.390 x .154
23010123 FRICTION HEGHD 57 INT	317720-390	Friction Clutch	303.80 x 235.20 x 3.90	11.950 x 9.250 x .153
23010871 FRICTION BRONZE HI-RANGE TRANSFER (2 per Unit) 6 INT	352712BR390	Friction Clutch	254.00 X 74.50 X 3.90	10.000 X 2.933 X .154
23017289 STEEL 8 EXT	317721-300	Steel Clutch	330.20 x 254.00 x 3.00	12.980 x 9.990 x .118
6775541 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
6837690 STEEL 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107
6838897 OVERHAUL KIT	352812	Overhaul Kit		

BOBCAT

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
6502424 FRICTION (NO TEETH) TAN PLI	179706-327	Friction Clutch	190.50 x 136.91 x 3.25	7.500 x 5.390 x .128
6649871 FRICTION (NO TEETH) TAN PLI	179706-327	Friction Clutch	190.50 x 136.91 x 3.25	7.500 x 5.390 x .128

BORG WARNER T-22

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
10-08-166-001 STEEL 43 EXT	308703	Steel Clutch	205.49 x 145.42 x 3.53	8.090 x 5.725 x .139
10-08-666-001 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
10-08-666-004 FRICTION HEG 44 INT	308700	Friction Clutch	197.03 x 138.30 x 2.79	7.757 x 5.445 x .110
10-17-666-001 FRICTION TAN PLI 59 INT	023738	Friction Clutch	190.19 x 146.76 x 2.92	7.488 x 5.778 x .115
1021-166-001 SEL STEEL (Selective Thickness) 54 EXT	023701-140	Steel Clutch	138.99 x 99.01 x 1.40	5.472 x 3.898 x .055
1021-166-001 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
1021-666-002 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
1021-666-003 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
1021-666-005 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082

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BORG WARNER T-22

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
22-176 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
72-A66 STEEL 59 INT	023738BR155	Steel Clutch	190.61 x 147.17 x 1.57	7.504 x 5.794 x 0.062
AT-220-66 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
FRICTION HEG PLI 59 INT	023738A	Friction Clutch	190.19 x 146.76 x 2.92	7.488 x 5.778 x .115
W-1597A FRICTION 45 INT	049722	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x 0.061

BRODERSON

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
910700148 FRICTION BRONZE (SMALL) 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
910700163 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
910700164 STEEL (LARGE) 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

CARRARO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
136155 STEEL 64 EXT	303701-500	Steel Clutch	229.87 x 152.40 x 5.00	9.050 x 6.000 x .197
143874 FRICTION 36 INT	303700-490	Friction Clutch	223.01 x 70.86 x 4.90	8.780 x 2.790 x .193

CATERPILLAR

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
230-4017 FRICTION - BRAKE 22 INT	317704-490	Friction Clutch	204.47 x 60.83 x 4.90	8.050 x 2.395 x .193
2H-6936 STEEL 8 INT	308709-230	Friction Clutch	288.21 x 194.56 x 2.29	11.347 x 7.660 x .090
2P-3719 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
2P-4472 STEEL 5 EXT	308713-640	Steel Clutch	411.50 x 317.50 x 6.40	16.180 x 12.490 x .252
3L-8440 FRICTION BRONZE MG-514 ALL MODELS 12 EXT	332706	Friction Clutch	236.04 x 139.67 x 3.10	9.293 x 5.400 x .122
3P-0805 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
3P-5955 FRICTION BRONZE 101 Int	308702-500	Friction Clutch	311.20 x 252.50 x 5.00	12.240 x 9.930 x .197
3T-2567 STEEL 43 EXT	308703	Steel Clutch	205.49 x 145.42 x 3.53	8.090 x 5.725 x .139
3T-3400 FRICTION (PAPER) HEG 44 INT	308700	Friction Clutch	197.03 x 138.30 x 2.79	7.757 x 5.445 x .110
3T-9293 FRICTION BRONZE 68 EXT	332702	Friction Clutch	112.14 x 71.30 x 2.16	4.415 x 2.807 x .085
4S-5891 STEEL 64 INT	308725-290	Steel Clutch	268.20 x 199.80 x 2.90	10.550 x 7.860 x .114
5D-8526 STEEL 44 EXT	308723	Steel Clutch	113.67 x 86.06 x .81	4.475 x 3.388 x .032
5K-8617 FRICTION 95 EXT	308728	Steel Clutch	304.80 x 212.90 x 3.80	11.990 x 8.370 x .149
5N-6137 STEEL STEPPED MG-514A, MG-514B LATE & MG-514C 40 INT	332709	Steel Clutch	203.70 x 123.11 x 4.72	7.995 x 4.847 x .186
6I-8912 FRICTION 52 INT PLI	308742-400	Friction Clutch		
6L-9719 STEEL 42 INT	332703	Steel Clutch	101.60 x 64.69 x 1.59	4.000 x 2.547 x .063
6T-5099 FRICTION TAN PL 52 INT	023712-180	Friction Clutch	148.50 x 107.72 x 1.78	5.850 x 4.241 x .070
6T-6277 STEEL 24 EXT	053701	Steel Clutch	107.82 x 76.17 x 1.80	4.245 x 2.999 x .071
6T-6283 FRICTION (PAPER) HEG SMOOTH 34 INT	053700	Friction Clutch	99.850 x 68.17 x 1.55	3.931 x 2.684 x .061
6T-6432 FRICTION (PAPER) TAN PL 24 INT	053702	Friction Clutch	142.98 x 110.08 x 1.55	5.629 x 4.334 x .061
6T-6481 STEEL 12 EXT	053703	Steel Clutch	156.03 x 119.13 x 1.80	6.143 x 4.690 x .071
7D-3014 FRICTION BRAKE 102 INT	329700B520	Friction Clutch	715.01 x 510.54 x 5.16	28.15 x 20.13 x .203
6T-8686 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
6T-9456 STEEL 60 EXT	023719-310	Steel Clutch	154.10 x 114.05 x 3.10	6.067 x 4.490 x .122
6T-9462 FRICTION HEG WF 52 INT	023722-180	Friction Clutch	148.59 x 101.70 x 1.80	5.850 x 4.240 x .071
6Y-5352 FRICTION 61 INT PLI	308746-500	Friction Clutch		
6Y-5911 FRICTION 75 INT	308716-550	Friction Clutch	345.10 x 271.00 x 5.50	13.570 x 10.660 x .216
6Y-7914 FRICTION 95 EXT	308728	Steel Clutch	304.80 x 212.90 x 3.80	11.990 x 8.370 x .149
6Y-7915 FRICTION 54 INT	308710-280	Friction Clutch	255.60 x 168.40 x 2.80	10.050 x 6.620 x .110
6Y-7916 FRICTION 64 INT	308712-350	Friction Clutch	306.00 x 198.60 x 3.50	12.030 x 7.810 x .138
6Y-7929 FRICTION TAN PLI 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
6Y-7933 FRICTION TAN PL 52 INT	023712-180	Friction Clutch	148.50 x 107.72 x 1.78	5.850 x 4.241 x .070
6Y-7935 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
6Y-7950 FRICTION TAN PLI 54 INT	308708-460	Friction Clutch	215.87 x 135.08 x 4.57	8.499 x 5.318 x .180
6Y-7953 FRICTION 74 INT	308740-290	Friction Clutch		
6Y-7962 FRICTION TAN 18 INT	308722	Friction Clutch	105.84 x 43.43 x 2.54	4.167 x 1.710 x .100
6Y-7965 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
6Y-7981 FRICTION 32 EXT PLI	308744-432	Friction Clutch		
7D-3012 STEEL SPACER 140 EXT	329701A250	Steel Clutch	740.13 x 539.88 x 2.41	29.14 x 21.25 x .095

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CATERPILLAR

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
7D-3013 FRICTION CORK 144 INT	329702B690	Friction Clutch	740.26 x 539.75 x 6.90	29.140 x 21.250 x .272
7D-8434 STEEL 100 EXT	308717-190	Steel Clutch	322.80 x 226.60 x 1.90	12.690 x 8.910 x .075
7G-0437 STEEL 6 EXT	308741-318	Steel Clutch		
7G-5377 STEEL 60 EXT	023719-310	Steel Clutch	154.10 x 114.05 x 3.10	6.067 x 4.490 x .122
7G-8107 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
7G-8542 FRICTION TAN PL 45 INT	049702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
7L-7782 FRICTION BRONZE 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
8D-8794 STEEL 86 EXT	308715-150	Steel Clutch	276.90 x 187.50 x 1.50	10.890 x 7.370 x .059
8E-8832 FRICTION HEG WF 52 INT	023722-180	Friction Clutch	148.59 x 101.70 x 1.80	5.850 x 4.240 x .071
8M-8651 STEEL 5 EXT	308713-640	Steel Clutch	411.50 x 317.50 x 6.40	16.180 x 12.490 x .252
8P-8682 FRICTION 54 INT	308714-290	Friction Clutch	215.80 x 168.50 x 2.90	8.490 x 6.630 x .114
9G-8542 FRICTION TAN PL 45 INT	049702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
9N-1656 STEEL 172 EXT	179701-266	Steel Clutch	315.61 x 254.00 x 2.67	12.426 x 10.000 x .105
9R-9401 STEEL (1 rounded notch) 1 ROUNDED NOTCH	308729-450	Steel Clutch	238.05 X 126.67 X 4.500	9.372 X 4.987 X .177
9S-8789 STEEL 5 EXT	308713-640	Steel Clutch	411.50 x 317.50 x 6.40	16.180 x 12.490 x .252
9W-1735 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
9W-1735 FRICTION TAN WF 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
9W-4954 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
9W-7017 FRICTION 99 INT	329700-520	Friction Clutch	715.01 x 510.54 x 5.16	28.15 x 20.13 x .203
9W-8901 FRICTION TAN PL 52 INT	023712A170	Friction Clutch	148.50 x 107.72 x 1.70	5.850 x 4.241 x .067
9Y-7929 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082

CHAMPION GRADER (GEARCO)

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
11299 STEEL INPUT & REVERSE (52 PER UNIT) 8 EXT	306709-155	Steel Clutch	142.62 x 99.14 x 1.55	5.615 x 3.903 x .061
11300 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
16780N STEEL 16 EXT	307709-340	Steel Clutch	323.30 x 184.3 x 3.40	12.710 x 7.250 x .134
19435 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
28305 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
28310 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
37170 FRICTION HEG PLI 53 INT	307704-500	Friction Clutch	342.77 x 220.5 x 5.21	13.495 x 8.681 x .205
37171 STEEL 83 EXT	307705-630	Steel Clutch	355.04 x 238.38 x 6.30	13.978 x 9.385 x .248
37171X STEEL (Thinner for more capacity) 83 EXT	307705-343	Steel Clutch	355.04 x 238.38 x 3.43	13.978 x 9.385 x .135
37934 FRICTION HEG PLI 54 INT	307706-350	Friction Clutch	358.93 x 226.87 x 3.51	14.130 x 8.932 x .138
37935 STEEL 89 EXT	307707-300	Steel Clutch	378.46 x 254.00 x 3.10	14.900 x 10.000 x .122
41112 STEEL OUTPUT (18 PER UNIT) 8 EXT	307703-210	Steel Clutch	180.21 x 129.57 x 2.11	7.095 x 5.101 x .083
48525N FRICTION 35 INT	307708-520	Friction Clutch	279.90 x 117.70 x 5.30	11.010 x 4.630 x .208
49987 STEEL 83 EXT	307705-630	Steel Clutch	355.04 x 238.38 x 6.30	13.978 x 9.385 x .248
49987X STEEL (Thinner for more capacity) 83 EXT	307705-343	Steel Clutch	355.04 x 238.38 x 3.43	13.978 x 9.385 x .135
53951 FRICTION OUTPUT BRONZE (20 PER UNIT) 29 INT	307702-250	Friction Clutch	168.58 x 119.43 x 2.54	6.637 x 4.702 x .100
D72803 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D77576 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116

CLARK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
208772 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
209087 STEEL DISH 42 EXT	310703	Steel Clutch	160.63 x 103.30 x 1.50	6.324 x 4.067 x .059
209928 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
215178 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
215296 STEEL 20 EXT	318701	Steel Clutch	191.50 x 117.50 x 2.10	7.530 x 4.620 x .083
216050 FRICTION BRONZE 34 INT	310724	Friction Clutch	205.16 x 117.27 x 3.96	8.077 x 4.617 x .156
216084 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
216677 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
217163 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
217757 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
219393 STEEL 42 EXT	310703	Steel Clutch	160.63 x 103.30 x 1.50	6.324 x 4.067 x .059
222391 FRICTION BRONZE 25 INT	310700	Friction Clutch	147.24 x 74.37 x 3.96	5.797 x 2.928 x .156
222605 STEEL 42 EXT	310703	Steel Clutch	160.63 x 103.30 x 1.50	6.324 x 4.067 x .059
224246 STEEL 4 EXT	310701	Steel Clutch	162.03 x 115.93 x 1.70	6.379 x 4.564 x .067
224772 STEEL (5 per unit) 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068

ALTO HEAVY DUTY CATALOG

CLARK				
REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
227495 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
228114 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
230911 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
232285 STEEL 16 EXT	310713	Steel Clutch	257.20 x 190.50 x 2.70	10.110 x 7.490 x .106
232316 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156
232394 STEEL 14 EXT	310715	Steel Clutch	218.97 x 158.93 x 2.73	8.621 x 6.257 x .108
232780 FRICTION GRAPHITIC 60 INT	310718	Friction Clutch	292.40 x 206.80 x 4.00	11.500 x 8.130 x .157
233166 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
233166 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .102
234108 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
234336 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
234727 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
234727 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .102
235161 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
235161 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .102
236989 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
237016 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
238260 STEEL 12 EXT	310719	Steel Clutch	257.05 x 190.83 x 2.59	10.120 x 7.513 x .102
238313 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
238609 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
242530 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
242717 STEEL 35 EXT	310723	Steel Clutch	228.19 x 159.00 x 2.64	8.984 x 6.260 x .104
243691 STEEL 76 EXT	310721-180	Steel Clutch	182.88 x 118.21 x 1.75	7.200 x 4.654 x .069
243767 STEEL 16 HOLES	310725	Steel Clutch	355.57 x 319.92 x 4.65	13.999 x 12.359 x .183
244134 FRICTION 33 INT	310728-215	Friction Clutch	117.58 x 68.28 x 2.16	4.629 x 2.688 x .085
244979 FRICTION HEG WF 52 INT	310722	Friction Clutch	175.77 x 107.59 x 2.90	6.920 x 4.236 x .114
244980 STEEL 76 EXT	310721-180	Steel Clutch	182.88 x 118.21 x 1.75	7.200 x 4.654 x .069
245238 STEEL 4 EXT	310729-150	Steel Clutch	129.16 x 76.00 x 1.52	5.085 x 2.992 x .060
245239 FRICTION BRONZE 33 INT	310728-215	Friction Clutch	117.58 x 68.28 x 2.16	4.629 x 2.688 x .085
245741 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
246744 FRICTION BRONZE 33 INT	310728-215	Friction Clutch	117.58 x 68.28 x 2.16	4.629 x 2.688 x .085
247273 STEEL 76 EXT	310721-180	Steel Clutch	182.88 x 118.21 x 1.75	7.200 x 4.654 x .069
247274 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
2787359 STEEL 26 EXT	310727-225	Steel Clutch	143.46 x 89.51 x 2.24	5.649 x 3.524 x .088
2794675 FRICTION TAN WF 40 INT	310726-270	Friction Clutch	127.25 x 82.19 x 2.69	5.010 x 3.236 x .106
2810118 FRICTION HEG WF 52 INT	023712A295	Friction Clutch	148.5 x 107.72 x 2.95	5.850 x 4.241 x .116
2812288 STEEL 4 EXT	310701A228	Steel Clutch	155.55 x 116.00 x 2.29	6.124 x 4.567 x .090
291578A1 FRICTION HEG WF 1 SIDE 54 EXT	310730-170	Friction Clutch	138.99 x 99.01 x 1.70	5.472 x 3.898 x .067
291579A1 FRICTION HEG WF 54 EXT	310732-262	Friction Clutch	138.99 x 99.01 x 2.62	5.472 x 3.898 x .103
291580A1 STEEL 45 INT	310731-198	Steel Clutch	128.60 x 92.79 x 1.98	5.063 x 3.653 x .078
3734356 FRICTION BRONZE (5 per unit) 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
4206373 FRICTION 52 INT	310740A267	Friction Clutch		
4206374 STEEL 52 INT	310747A195	Steel Clutch		
4206417 FRICTION 52 INT	310738A190	Friction Clutch		
4207140 STEEL 52 INT	310745-250	Steel Clutch		
4207141 FRICTION 52 INT	310742-290	Friction Clutch		
4207419 STEEL 52 INT	310739-300	Steel Clutch		
4207444 STEEL 52 INT	310743A235	Steel Clutch		
4207455 STEEL 52 INT	310741-230	Steel Clutch		
4215606 FRICTION 52 INT	310736-265	Friction Clutch		
4215607 FRICTION 52 INT	310737A270	Friction Clutch		
4215608 FRICTION 52 INT	310737B190	Friction Clutch		
878364 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
878373 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.6 x 92.79 x 1.55	5.063 x 3.653 x .061
878374 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
887983 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
887984 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
888027 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
907566 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
907567 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
927619 FRICTION HEG 36 INT	310734-236	Friction Clutch	134.11 x 87.88 x 2.36	5.280 x 3.460 x .093

ALTO HEAVY DUTY CATALOG

CLARK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
927620 STEEL 6 EXT	310733-200	Steel Clutch	152.40 x 95.00 x 2.01	6.000 x 3.740 x .079
999736 FRICTION HEG PLI 90 INT	026720	Friction Clutch	61.59 x 125.27 x 1.91	6.362 x 4.932 x .075

DAMPER ASSEMBLIES

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
105890 DAMPER CARRIER PLATE	DA-504	Damper Assemblies	330.20 x 63.68 x 2.08	13.000 x 2.507 x .082
106083 DAMPER CARRIER PLATE	DA-505	Damper Assemblies	301.37 x 63.68 x 1.63	11.865 x 2.507 x .064
1060836 DAMPER CARRIER PLATE	DA-506	Damper Assemblies	301.32 x 63.68 x 1.57	11.836 x 2.507 x .062
115456 DAMPER CARRIER PLATE	DA-504	Damper Assemblies	330.20 x 63.68 x 2.08	13.000 x 2.507 x .082
N115485 DAMPER CARRIER PLATE	DA-502	Damper Assemblies	352.27 x 63.68 x 2.18	13.869 x 2.507 x .086
N115495 DAMPER CARRIER PLATE	DA-503	Damper Assemblies	301.70 x 51.26 x 1.63	11.878 x 2.018 x .064
UCL10107-14 DAMPER CARRIER PLATE	DA-501	Damper Assemblies	301.70 x 51.26 x 1.57	11.878 x 2.018 x .062
UCL11911-146 DAMPER CARRIER PLATE	DA-506	Damper Assemblies	301.32 x 63.68 x 1.57	11.836 x 2.507 x .062
UCL11911-19 DAMPER CARRIER PLATE	DA-505	Damper Assemblies	301.37 x 63.68 x 1.63	11.865 x 2.507 x .064

DANA SPICER

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
224772 STEEL (5 per unit) 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
238609 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
727429 STEEL 1 EXTERNAL NOTCH	328705-267	Steel Clutch	162.97 x 79.98 x 2.67	6.416 x 3.149 x .105
727443 FRICTION AXLE BRAKE HEG PLI with 8 Holes 19 INT	328704-488	Friction Clutch	143.10 x 34.11 x 4.88	5.634 x 1.343 x .192
8033096 KIT - FRICTION & STEEL Contains: 4-328700, 4-328701	328750	Friction Steel Module		
CKC-66409 FRICTION TAN WF 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
CKC-68632 FRICTION HEG WF 40 INT	310726A250	Friction Clutch	127.25 x 82.19 x 2.54	5.010 x 3.236 x .100
D50083 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
D70672 FRICTION HEG PLI 45 INT	049722A155	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
P20602 FRICTION TAN PL 52 INT	023712-180	Friction Clutch	148.50 x 107.72 x 1.78	5.850 x 4.241 x .070
R30WA109 STEEL 61 EXT	328701	Steel Clutch	200.10 x 102.10 x 6.10	7.870 x 4.010 x .087
R30WA120 FRICTION BRONZE 23 INT	328700	Friction Clutch	177.62 x 69.42 x 3.81	6.993 x 2.733 x .150

DOOSAN

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
DO222200012 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
DO222200013 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105

EATON FULLER / CEEMAT

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
22450 FRICTION TAN WF - CONVERTER CLUTCH LARGE 99 INT	353706-340	Friction Clutch	386.18 x 311.53 x 3.38	15.204 x 12.265 x .133
224546 FRICTION TAN PLNI- CONVERTER CLUTCH SMALL 66 INT	353704-410	Friction Clutch	260.55 x 206.50 x 4.14	10.258 x 9.130 x .163
22466 STEEL - CONVERTER CLUTCH SMALL 66 EXT	353705-310	Steel Clutch	278.10 x 214.83 x 3.15	10.949 x 8.428 x .124
4303471 STEEL - CONVERTER CLUTCH LARGE (NOTCHED OD)	353707-310	Steel Clutch	451.92 x 322.30 x 3.12	17.792 x 12.689 x .123

EUCLID

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
E4059006 STEEL 20 EXT	310711	Steel Clutch	670.31 x 467.87 x 3.10	26.390 x 18.420 x .122
E4059008 FRICTION GRAPHITE 52 INT	310712	Friction Clutch	646.94 x 431.55 x 5.28	25.470 x 16.990 x .208
E4095205 STEEL 14 EXT	310715	Steel Clutch	218.97 x 158.93 x 2.73	8.621 x 6.257 x .108
E4095206 FRICTION BRONZE 60 INT	310704	Friction Clutch	195.20 x 145.11 x 3.96	7.685 x 5.713 x .156

ALTO HEAVY DUTY CATALOG

EXEDY

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
FRICION HEG WF 32 INT	354700-300	Friction Clutch	235.89 x 192.58 x 2.97	9.287 x 7.582 x .117
STEEL 6 EXT	354701-270	Steel Clutch	263.78 x 200.05 x 2.69	10.385 x 7.876 x .106

FIAT - ALLIS

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
508053 STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
70629863 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
70675510 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
71010964 FRICTION BRONZE 25 INT	317702-360	Friction Clutch	250.57 x 124.08 x 3.63	9.865 x 4.885 x .143
73021191 STEEL 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107
73021215 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
73044593 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
73058782 STEEL 6 EXT	352701	Steel Clutch	274.32 x 202.49 x 2.72	10.800 x 7.972 x .107
73118088 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
73118089 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
73118133 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
9433405 FRICTION BRONZE 68 EXT	332702	Friction Clutch	112.14 x 71.30 x 2.16	4.415 x 2.807 x .085
9435217 STEEL 42 INT	332703	Steel Clutch	101.60 x 64.69 x 1.59	4.000 x 2.547 x .063
9502757 STEEL 60 EXT	023719	Steel Clutch	154.1 x 114.05 x 1.73	6.067 x 4.490 x .068
98529646 FRICTION - BRAKE 22 INT	317704-490	Friction Clutch	204.47 x 60.83 x 4.90	8.050 x 2.395 x .193

FORD INDUSTRIAL / NEW HOLLAND

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
13474AM FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
1804831 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1808604 STEEL FRONT DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
1816970 FRICTION PTO BRONZE 45 INT	311702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
86962386 FRICTION 555C / 555D BRONZE 36 INT	311720-244	Friction Clutch	133.40 x 90.30 x 2.44	5.252 x 3.555 x .096
86964288 FRICTION 555C / 555D BRONZE 36 INT	311720-260	Friction Clutch	133.40 x 90.30 x 2.59	5.252 x 3.555 x .102
B5AZ-7B164A FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
B85-77573 STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
C5NN-2A097B FRICTION BRAKE BRONZE - EARLY STYLE 22 INT	311710A	Friction Clutch	204.50 x 53.52 x 4.88	8.051 x 2.107 x .192
C5NN-2N315A STEEL BRAKE 1 LUG 1 Lug	311713	Steel Clutch	228.17 x 147.32 x 2.64	8.983 x 5.800 x .104
C5NN-2N315B STEEL BRAKE 1 LUG 1 Lug	311711	Steel Clutch	209.32 x 114.30 x 2.62	8.241 x 4.500 x .103
C5NN-P743B FRICTION PTO BRONZE 45 INT	311702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
C7NN-2A097B FRICTION BRAKE BRONZE 5 SLOTS 22 INT	311712	Friction Clutch	223.77 x 53.52 x 3.10	8.810 x 2.107 x .122
C8AP-7B442A STEEL FRONT 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
C8AP-7B442A STEEL PTO 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
C9NN-2A097BA FRICTION BRAKE BRONZE 5 SLOTS 22 INT	311712	Friction Clutch	223.77 x 53.52 x 3.10	8.810 x 2.107 x .122
C9NN-P743A FRICTION PTO TAN WF 52 INT	023712-230	Friction Clutch	148.5 x 107.72 x 2.29	5.850 x 4.241 x .090
C9NN-P743B FRICTION PTO BRONZE 45 INT	311702	Friction Clutch	133.35 x 92.79 x 2.03	5.250 x 3.653 x .080
C9NN-P743D FRICTION PTO BRONZE 52 INT	311700A	Friction Clutch	148.56 x 107.72 x 2.29	5.849 x 4.241 x .0895
CONN-7B164A FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D0AP-N5861 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
D1NN-P743A FRICTION PTO TAN WF 52 INT	023712-230	Friction Clutch	148.50 x 107.72 x 2.29	5.850 x 4.241 x .090
D2NN-7R174A STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D3NN-P743A FRICTION PTO BRONZE 52 INT	311700	Friction Clutch	148.56 x 107.72 x 2.29	5.849 x 4.241 x .090
D6NN-C730A STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D6NN-C730A STEEL PTO 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
D8NN-P743JA FRICTION PTO TAN WF 52 INT	023712-230	Friction Clutch	148.50 x 107.72 x 2.29	5.850 x 4.241 x .090
E6NN-2N315AA STEEL BRAKE 1 LUG 1 Lug	311713	Steel Clutch	228.17 x 147.32 x 2.64	8.983 x 5.800 x .104
E9NN-2A097AA FRICTION BRAKE BRONZE - LATE STYLE 22 INT	311710	Friction Clutch	204.72 x 53.52 x 3.10	8.060 x 2.107 x .122
E9NN-2A097BA FRICTION BRAKE BRONZE 5 SLOTS 22 INT	311712	Friction Clutch	223.77 x 53.52 x 3.10	8.810 x 2.107 x .122
IP-77518A STEEL FRONT DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
IP-77573A-1 STEEL FRONT 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
PBB-77519A FRICTION BRONZE 52 INT	023712BR	Friction Clutch	148.50 x 107.72 x 1.52	5.850 x 4.241 x .060
PBB-77573A STEEL FRONT 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068

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PBB-77573A STEEL PTO 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
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FORD TRACTOR

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
Contains: Clutch Cover, Clutch Disc, Release Bearing, Pilot Bearing, Alignment Tool FORD TRACTOR 8N, 9N, 2N, NAA, 600, 700, 800, 900	91900	Rebuilding Kit		

FUJI UNIVANCE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
EW2080S00F STEEL 52 INT	306739-240	Steel Clutch		
EW2090S00F STEEL 52 INT	306739-210	Steel Clutch		
EW4070S00F STEEL 56 INT	306735-240	Steel Clutch		
EW4110S00F STEEL 56 INT	306735-210	Steel Clutch		
EW5120S00F STEEL 62 INT	306737-262	Steel Clutch		
EW5130S00F STEEL 62 INT	306737-240	Steel Clutch		

FUNK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
4002254 STEEL 60 EXT	023719-310	Steel Clutch	154.10 x 114.05 x 3.10	6.067 x 4.490 x .122
4002787 FRICTION TAN PL 52 INT	023712A170	Friction Clutch	148.50 x 107.72 x 1.70	5.850 x 4.241 x .067
4005522 FRICTION HEG WF 52 INT	023722-180	Friction Clutch	148.59 x 101.70 x 1.80	5.850 x 4.240 x .071
4005523 FRICTION TAN PL 52 INT	023712-295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
4005524 FRICTION TAN PL 45 INT	049700-180	Friction Clutch	133.35 x 92.79 x 1.80	5.250 x 3.653 x .071
4010556 STEEL 44 EXT	029701	Steel Clutch	113.49 x 79.60 x 1.73	4.468 x 3.134 x .068
4010595 FRICTION BRONZE 36 INT	029712BR	Friction Clutch	107.87 x 73.76 x 1.57	4.247 x 2.904 x .062
40121315 FRICTION TAN PL 52 INT	023712A170	Friction Clutch	148.50 x 107.72 x 1.70	5.850 x 4.241 x .067
40121323 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
40121323 STEEL - OE Style 60 EXT	079741	Steel Clutch	154.23 x 113.87 x 1.75	6.072 x 4.483 x .069
4050498 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
40RC-7683 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
40RC-7727 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
40RC-7951 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
40RC-7951 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4TRC-7173 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4TRC-7174 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
Not Available STEEL 69 EXT	314701-190	Steel Clutch	177.09 x 131.90 x 1.93	6.972 x 5.193 x .076
YZ102-938 STEEL 69 EXT	079743	Steel Clutch	177.11 x 139.16 x 1.90	6.973 x 5.497 x .075
YZ103-269 FRICTION BRONZE 60 INT	314700	Friction Clutch	169.70 x 124.70 x 3.20	6.670 x 4.900 x .126
YZ105-493 FRICTION HEG PLI 52 INT	079744-275	Friction Clutch	169.60 x 107.29 x 2.79	6.677 x 4.224 x .110
YZ106-060 FRICTION TAN PLI 60 INT	314700A280	Friction Clutch	169.67 x 124.69 x 2.79	6.680 x 4.909 x .110
YZ501-1026 STEEL 66 EXT	079749	Steel Clutch	211.92 x 148.00 x 1.90	8.343 x 5.827 x .075
YZ501-539 STEEL 66 EXT	079749	Steel Clutch	211.92 x 148.00 x 1.90	8.343 x 5.827 x .075
YZ502-309 STEEL 66 EXT	079749	Steel Clutch	211.92 x 148.00 x 1.90	8.343 x 5.827 x .075
ZY105-481 FRICTION TAN PL 52 INT	023712-279	Friction Clutch	148.50 x 107.72 x 2.79	5.850 x 4.241 x .110

GALION

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
630515C2 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
72327 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
72330 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
72372 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
72378 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
77576 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
D139209 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D139309 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
D72327 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
D72330 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D72372 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
D72378 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
D80064 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157

GROVE

ALTO HEAVY DUTY CATALOG

GROVE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
9904100634 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
9904101482 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
9904101483 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
9904101523 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
9904105541 FRICTION TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061

HELI

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
11243-82151 FRICTION 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102

HIDROMEK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
F06/13869 STEEL 3 EXT	324701-385	Steel Clutch	238.02 x 140.08 x 3.89	9.371 x 5.515 x .153
F06/13871 FRICTION (8 HOLES) TAN PLNI 15 INT	324700A385	Friction Clutch	221.95 x 49.61 x 3.89	8.738 x 1.953 x .153

HYSTER

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
106375 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
109604 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
113486 FRICTION BRONZE 20 INT	318700	Friction Clutch	169.14 x 78.44 x 3.29	6.659 x 3.088 x .130
114254 STEEL 20 EXT	318701	Steel Clutch	191.50 x 117.50 x 2.10	7.530 x 4.620 x .083
119729 FRICTION BRONZE 20 INT	318700	Friction Clutch	169.14 x 78.44 x 3.29	6.659 x 3.088 x .130
119751 STEEL 20 EXT	318701	Steel Clutch	191.50 x 117.50 x 2.10	7.530 x 4.620 x .083
1311645 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
1311652 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
1311662 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
136083 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1387235 STEEL 54 EXT	023701-250	Steel Clutch	138.99 x 99.01 x 2.50	5.472 x 3.898 x .098
1469300 FRICTION KEVLAR® PLI 45 INT	049730-250	Friction Clutch	133.35 x 92.79 x 2.51	5.250 x 3.653 x .099
148895 FRICTION BRONZE 20 INT	318700	Friction Clutch	169.14 x 78.44 x 3.29	6.659 x 3.088 x .130
261542 STEEL 50 INT	318711	Steel Clutch	215.90 x 154.00 x 2.00	8.490 x 6.060 x .079
319596 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
319596 STEEL 54 EXT	023701A300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
328715 FRICTION 72 EXT	318712	Friction Clutch	227.80 x 165.10 x 3.40	8.960 x 6.490 x .134
334409 FRICTION TAN PLI 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085
334417 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
346796 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
449273 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
449461 FRICTION BRONZE 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
77808 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
77888 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
77898 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
878364 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

HYUNDAI

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
ZTAM00090 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
ZTAM00219 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105

INTERNATIONAL HARVESTER - HOUGH

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
1342285C1 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
157021H1 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
40882D STEEL 77 EXT	319707-250	Steel Clutch	398.07 x 304.93 x 2.49	15.672 x 12.005 x .098
634536C1 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural) PTO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
381464 PISTON, PTO BRAKE ASSEMBLY MECHANICAL TYPE	306300	Piston		

ALTO HEAVY DUTY CATALOG

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural) PTO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
381489R3 STEEL PTO 6 EXT	306701	Steel Clutch	146.05 x 103.30 x 1.73	5.750 x 4.067 x .068
381490R4 FRICTION PTO TAN PLI 51 INT	306704	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381490R4D FRICTION PTO - HEAVY DUTY HEG PLI 51 INT	306704A	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
66803C91HD MODULE, FRICTION PTO HEAVY DUTY Contains: 7-306704A	306752AHD	Friction Module		
68802C91 MODULE, FRICTION & STEEL PTO Contains: 5-306704, 12-306701	306750	Friction Steel Module		
68803C91 MODULE, FRICTION & STEEL PTO Contains: 7-306704, 9-306701	306750A	Friction Steel Module		
68803C91HD MODULE, FRICTION & STEEL PTO HEAVY DUTY Contains: 7-306704A, 9-306701	306750AHD	Friction Steel Module		
77720C94 GASKET & SEAL KIT PTO W/PISTONS	306835	Overhaul Kit		
77720C94 GASKET & SEAL KIT PTO WO/PISTONS	306835X	Overhaul Kit		
77721 GASKET & SEAL KIT PTO WO/PISTONS	306835A	Overhaul Kit		
77721S GASKET & SEAL KIT PTO WO/PISTONS	306835AX	Overhaul Kit		
877721 REBUILDING KIT PTO Heavy Duty with Seal Kit (Heg clutches)	306937AHD	Rebuilding Kit		
877721S REBUILDING KIT PTO Heavy Duty with Seal Kit (No Pistons) (Heg clutches)	306937AXHD	Rebuilding Kit		
PISTON KIT PTO (Contains 3 Pistons)	306670	Piston		
PISTON, PTO BRAKE ASSEMBLY HYDRAULIC TYPE	306300A	Piston		
REBUILDING KIT PTO Heavy Duty with Pistons and Seal Kit (Heg clutches)	306935AHD	Rebuilding Kit		
REBUILDING KIT PTO Heavy Duty with Seal Kit (No Pistons) (Heg clutches)	306935AXHD	Rebuilding Kit		
REBUILDING KIT PTO with Pistons and Seal Kit (Tan clutches)	306935	Rebuilding Kit		
REBUILDING KIT PTO with Pistons and Seal Kit (Tan clutches)	306935A	Rebuilding Kit		
REBUILDING KIT PTO with Seal Kit (No Pistons) (Tan clutches)	306935X	Rebuilding Kit		
REBUILDING KIT PTO with Seal Kit (No Pistons) (Tan clutches)	306935AX	Rebuilding Kit		

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural)

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
104712C21 FRICTION BRAKE TAN PLI (6 PER UNIT) 12 INT	351700	Friction Clutch	203.20 x 47.09 x 4.65	8.000 x 1.854 x .183
104713C21 STEEL (7 PER UNIT) 3 EXT	351701	Steel Clutch	249.56 x 125.37 x 2.29	9.825 x 4.936 x .090
196680H-1 FRICTION BRONZE 52 INT	306718	Friction Clutch	292.00 x 214.05 x 5.11	11.496 x 8.427 x .201
1981246C1 FRICTION PTO HEG PLI 24 EXT	351706	Friction Clutch	133.83 x 95.63 x 1.91	5.269 x 3.765 x .075
313807R-1 STEEL 30 EXT	352711-495	Steel Clutch	386.94 x 322.78 x 4.95	15.234 x 12.708 x .195
3427270M1 BELLEVILLE SPRING PTO (DRY APPLICATION)	306761	Friction Clutch	220.73 x 149.89 x 3.10	8.690 x 5.901 x .122
3711395M1 BELLEVILLE SPRING PTO (DRY APPLICATION)	306760	Friction Clutch	205.71 x 153.26 x 2.64	8.099 x 6.034 x .104
380249R-3 FRICTION TAN PLI TORQUE AMPLIFIER 26 INT	351702	Friction Clutch	146.15 x 63.68 x 3.94	5.745 x 2.507 x .155
382342R1 STEEL TORQUE AMPLIFIER 6 EXT	351705-378	Steel Clutch	192.74 x 130.25 x 3.76	5.588 x 5.128 x .148
382343R FRICTION BRONZE TORQUE AMPLIFIER 47 INT	351704BR	Friction Clutch	167.39 x 117.12 x 2.90	6.590 x 4.611 x .114
382344R1 STEEL TORQUE AMPLIFIER LOCKUP 6 EXT	351709-375	Steel Clutch	193.04 x 130.05 x 3.75	7.600 x 5.120 x .148
384430R-2 STEEL PISTON BACKING (1 PER UNIT) 12 EXT	351703A	Steel Clutch	174.63 x 85.73 x 2.54	6.875 x 3.375 x .100
384430R-2 STEEL PISTON BACKING (1 PER UNIT) 12 EXT	351703A	Steel Clutch	174.63 x 85.73 x 2.54	6.875 x 3.375 x .100
384431R-2 STEEL DRIVE (2 PER UNIT) 12 EXT	351703B	Steel Clutch	174.65 x 85.73 x 2.54	6.876 x 3.375 x .100
528696R-1 SHAFT IHC PTO fits Models: 756, 766, 856, 966, 986, 1066, 1086, 1456, 1466, 1486, 2856, 3088, 3288, 3688	306379	Shaft		
675667R1 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
702874C1 FRICTION BRONZE 34 INT	317712-250	Friction Clutch	198.15 x 140.54 x 2.49	7.801 x 5.533 x .098
A-175806 STEEL (MATES WITH 351708) 26 EXT	310727-225	Steel Clutch	143.46 x 89.51 x 2.24	5.649 x 3.524 x .088

ALTO HEAVY DUTY CATALOG

INTERNATIONAL HARVESTER - J. I. CASE (Agricultural)

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
A33012 FRICTION PTO BRONZE 24 EXT	351706BR	Friction Clutch	133.83 x 95.63 x 1.42	5.269 x 3.765 x .056
A59013 SPRING PTO	351767	Steel Clutch	86.08 x 76.96 x 1.27	3.389 x 3.030 x .050
A66365 STEEL PTO 17 INT	351707	Steel Clutch	126.90 x 69.85 x 1.12	4.996 x 2.750 x .044
NL BRAKE KIT, WHEEL TYPE TRACTORS Contains: 6-351700, 7-351701, Orings & Metal clad seal Fits Models: 786, 886, 986, 1086, 1486, 3088, 3288, 3388, 3488, Hydro 3588, 3688, 3788, 6388, 6588, 6788 Hydro 186	351750X	Friction Steel Module		
SBA320461550 DIAPHRAGM SPRING	306762	Friction Clutch	267.77 X 182.25 X 3.23	10.542 X 7.175 X .127

J.I. CASE / I.H.C. / DRESSER IND.

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068

J.I. CASE / I.H.C. / DRESSER IND.

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
1342285C1 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
148962A1 FRICTION BRAKE PLATE 16 INT	306732-485	Friction Clutch	201.17 x 40.36 x 4.88	7.920 x 1.589 x .192
148963A1 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105
148963A1 STEEL BRAKE PLATE 6 EXT	306731-266	Steel Clutch	19.61 x 145.77 x 2.67	8.464 x 5.739 x .105
181159A1 STEEL 6 EXT	306705-250	Steel Clutch	150.95 x 98.76 x 2.50	5.943 x 3.888 x .098
1981314-C1 FRICTION RED SB - POWERSHIFT CLUTCH DISC (Partial Assembly-without Hub and Retainer)	900-CP15	Friction Clutch	301.75 x 63.45 x 1.98	11.880 x 2.498 x .078
1997959-C1 FRICTION HEG WF 39 INT	306726-284	Friction Clutch	228.50 x 161.90 x 2.79	8.996 x 6.374 x .110
324122R1 STEEL 3 LUGS	306725-180	Steel Clutch	170.26 x 101.70 x 1.80	6.703 x 4.004 x .071
324123R1 FRICTION BRONZE 17 INT	306722-280	Friction Clutch	165.05 x 50.80 x 2.79	6.498 x 2.000 x .110
324241R1X STEEL (1.65mm Thick) 8 EXT	306709	Steel Clutch	142.62 x 99.14 x 1.60	5.615 x 3.903 x .063
324452R1 STEEL (MATES WITH 306720A) 8 EXT	306721A308	Steel Clutch	243.92 x 172.39 x 3.07	9.603 x 6.787 x .121
327186R1 STEEL 3 LUGS	306723-240	Steel Clutch	183.54 x 101.63 x 2.39	7.226 x 4.001 x .094
381489R3 STEEL 6 EXT	306701	Steel Clutch	146.05 x 103.30 x 1.73	5.750 x 4.067 x .068
381489R-3X FRICTION PTO - 1 SIDE FRICTION EXTERNAL SPLINE 6 EXT	306701B	Friction Clutch	146.05 x 103.30 x 1.73	5.750 x 4.067 x .068
381490R-1HD FRICTION PTO - HEAVY DUTY HEG PLI 51 INT	306704A	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381490R-4 FRICTION TAN PLI 51 INT	306704	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381490R-4X FRICTION PTO - 1 SIDE FRICTION INTERNAL SPLINE 51 INT	306704B	Friction Clutch	135.08 x 95.02 x 2.54	5.318 x 3.741 x .100
381-922-539C1 STEEL 85 EXT	306711	Steel Clutch	181.08 x 85.83 x 1.70	7.129 x 3.379 x .067
381-922-541C1 FRICTION RED WF 32 INT	306710R	Friction Clutch	166.98 x 78.74 x 1.80	6.574 x 3.100 x .071
381-922-549C1 STEEL 85 EXT	306713	Steel Clutch	181.08 x 112.78 x 1.70	7.129 x 4.440 x .067
381-922-551C1 FRICTION RED PLI 34 INT	306712R	Friction Clutch	167.18 x 104.82 x 1.80	6.582 x 4.127 x .071
381-922-551C1 FRICTION TAN PLI 34 INT	306712	Friction Clutch	167.18 x 104.82 x 1.80	6.582 x 4.127 x .071
381-922-913C1 SPRING	320767	Steel Clutch	180.00 x 173.40 x 0.35	7.080 x 6.820 x .014
464-430-8328 STEEL (Mates with 329708) 35 INT	329709-150	Steel Clutch	171.15 x 103.07 x 1.52	6.738 x 4.058 x .060
615559C1 FRICTION BRONZE 60 INT	352704-388	Friction Clutch	253.59 x 187.81 x 3.91	9.984 x 7.394 x .154
615911C1 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
619200C FRICTION BRONZE 39 INT	306720A	Friction Clutch	228.70 x 161.85 x 2.84	9.004 x 6.372 x .112
627306C1 FRICTION BRONZE 17 INT	306722-280	Friction Clutch	165.05 x 50.80 x 2.79	6.498 x 2.000 x .110
630516C2 STEEL 60 EXT	023719	Steel Clutch	154.1 x 114.05 x 1.73	6.067 x 4.490 x .068
634534C1 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
634535C1 FRICTION BRONZE 29 INT	307702-250	Friction Clutch	168.58 x 119.43 x 2.54	6.637 x 4.702 x .100
635384R-2 STEEL MODEL 500 (8 PER SIDE) 9 EXT	306715-230	Steel Clutch	249.33 x 143.66 x 2.24	9.816 x 5.656 x .088
658354C2 FRICTION 45 INT	306744	Friction Clutch	266.70 x 187.20 x 2.80	10.490 x 7.360 x .110
659592C-1 STEEL 54 EXT	306745	Steel Clutch	276.10 x 200.70 x 2.30	10.860 x 7.890 x .090
676833R-1 STEEL MODEL 500C, 500D, 500E (8 PER SIDE) 9 EXT	306717-250	Steel Clutch	274.70 x 178.82 x 2.26	10.815 x 7.040 x .089
705105C-2 FRICTION BRONZE 39 INT	306720A	Friction Clutch	228.70 x 161.85 x 2.84	9.004 x 6.372 x .112
70977C-2 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
716719C-1 STEEL 28 EXT	306719-120	Steel Clutch	143.81 x 100.13 x 1.22	5.662 x 3.942 x .048
886934C1 FRICTION BRONZE 34 INT	306706B168	Friction Clutch	146.00 x 105.00 x 1.68	5.740 x 4.130 x .066
92934C2 STEEL- Case/Magnum 6 EXT	306733	Steel Clutch	140.91 x 107.11 x 1.19	5.548 x 4.217 x .047
92935C5 FRICTION- Case/Magnum 48 INT	306734	Friction Clutch	141.12 x 105.23 x 1.98	5.556 x 4.143 x .078
9398112 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079

ALTO HEAVY DUTY CATALOG

J.I. CASE / I.H.C. / DRESSER IND.

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
A17921 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
A17921 STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
A188946 FRICTION HEG WF 40 INT	310726A250	Friction Clutch	127.25 x 82.19 x 2.54	5.010 x 3.236 x .100
A41005X STEEL (1.65mm Thick) 8 EXT	306709	Steel Clutch	142.62 x 99.14 x 1.6	5.615 x 3.903 x .063
A52252 STEEL 580K BACKHOE (1 LUG)	306703-300	Steel Clutch	238.02 x 120.55 x 3.05	9.371 x 4.746 x .120
A52253 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
A52393 FRICTION - BRONZE 19 INT	306702-467	Friction Clutch	203.20 x 57.20 x 4.70	7.990 x 2.250 x .185
D50040 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
D50041 STEEL (LARGE) 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
D50047 STEEL (BELLEVILLE) 8 INT	023767	Steel Clutch	134.34 x 100.08 x 1.85	5.289 x 3.940 x .073
D50082 FRICTION BRONZE (SMALL) 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
D55252 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
D70672 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
D77063 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
D80064 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
G101711 STEEL Models 450, 850, 1150, 1450, B,C,D, 46 EXT	306729-320	Steel Clutch	200.81 x 139.65 x 3.18	7.906 x 5.498 x .125
G102354 FRICTION BRONZE 29 INT	306708-480	Friction Clutch	190.53 x 117.07 x 4.75	7.501 x 4.609 x .187
N-7217 FRICTION BRONZE (SMALL) 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
N-7219 FRICTION BRONZE (SMALL) 45 INT	049700BR235	Friction Clutch	133.35 x 92.79 x 2.36	5.250 x 3.653 x .093
S-73416 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
S73872 FRICTION BRONZE 52 INT	023712BR	Friction Clutch	148.50 x 107.72 x 1.52	5.850 x 4.241 x .060
S73873 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
S73873 STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
S-94326 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
STEEL 88 EXT	306714-310	Friction Clutch	189.23 x 141.53 x 3.10	7.45 x 5.572 x .122

JCB Clutches

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
04-500229 STEEL - PRESSURE PLATE 54 EXT	023761	Steel Clutch	138.94 x 98.58 x 8.66	5.471 x 3.881 x .341
04-500230 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
04-500231 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
04-500233 STEEL - PRESSURE PLATE 54 EXT	023760	Steel Clutch	138.99 x 99.01 x 8.18	5.472 x 3.898 x .322
331-16516 STEEL 57 EXT	324703-200	Steel Clutch	147.14 x 99.49 x 2.03	5.793 x 3.917 x .080
331-16519 STEEL 57 EXT	324707-120	Steel Clutch	147.30 x 99.40 x 1.20	5.790 x 3.910 x .047
331-16520 FRICTION TAN SB 45 INT	324702-240	Friction Clutch	140.21 x 92.84 x 2.39	5.517 x 3.641 x .094
331-31560 STEEL 18 EXT	023761-400	Steel Clutch	139.14 x 98.73 x 4.06	5.478 x 3.887 x .160
331-31561 STEEL 18 EXT	023761-600	Steel Clutch	138.76 x 98.15 x 5.97	5.463 x 3.864 x .235
445-03205 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
445-03205 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
445-03206 STEEL 6 EXT	023751A	Steel Clutch	150.95 x 98.76 x 1.80	5.943 x 3.888 x .071
445-05107 STEEL 8 EXT	023763-150	Steel Clutch	111.02 x 66.73 x 1.47	4.371 x 2.627 x .058
445-10602 STEEL 18 EXT	023762-600	Steel Clutch	138.76 x 98.15 x 6.01	5.463 x 3.864 x .236
445-12314 STEEL 54 EXT	023701-120	Steel Clutch	138.99 x 99.01 x 1.19	5.472 x 3.898 x .047
445-30011 FRICTION RED PL 45 INT	049740-230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
445-30011 FRICTION TAN PPL 45 INT	049740B230	Friction Clutch	133.35 x 92.79 x 2.31	5.250 x 3.653 x .091
450-10224 FRICTION (8 HOLES) TAN PLNI 15 INT	324700A385	Friction Clutch	221.95 x 49.61 x 3.89	8.738 x 1.953 x .153
450-10226 STEEL 3 EXT	324701-385	Steel Clutch	238.02 x 140.08 x 3.89	9.371 x 5.515 x .153
453-15301 STEEL 9 EXT	324705-378	Steel Clutch	240.26 x 130.05 x 3.81	9.459 x 5.120 x .150
458-20353 FRICTION (8 HOLES) TAN PLNI 15 INT	324700A385	Friction Clutch	221.95 x 49.61 x 3.89	8.738 x 1.953 x .153
814-00207 Disc Spring 8 INT	023767	Steel Clutch	134.34 x 73.74 x 1.85	5.289 x 2.903 x .073

JCB Misc. Parts

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
04-500201 Ring - Drive Gear	038105	Gasket, Overhaul Kit Component		
04-500204 Thrust Washer	023196	Washer		
04-500208 Spring - Reverse Pressure Plate	023276	Steel Clutch		
04-500211A Seal - Reverse Outer	023050A	Sealing Ring		
04-500213 Gasket - Forward/Reverse	023020	Gasket, Overhaul Kit		

ALTO HEAVY DUTY CATALOG

JCB Misc. Parts

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
		Component		
04-50021A Seal - Front Pump	023002	Sealing Ring		
04-500237A Seal - Forawrd Clutch Outer	023054A	Sealing Ring		
04-500241 Snap Ring - Reverse Gear	023252	Snap Ring		
04-500242 Thrust Washer	023188	Washer		
04-500243 Thrust Washer	023187	Washer		
04-500274 Gasket - Valve Cover	023022	Gasket, Overhaul Kit Component		
2401-0020 O-Ring	010210A	Gasket, Overhaul Kit Component		

JCB OVERHAUL KIT

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
T72 Overhaul Kit contains Rubber Seals, Metal Clad Seals and Orings	023812	Overhaul Kit		

JOHN DEERE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
AL38240 FRICTION (SMALL) TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AR-108105 FRICTION TAN PL 45 INT	049700-250	Friction Clutch	133.35 x 92.79 x 2.49	5.250 x 3.653 x .098
AR39128 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AT100837 FRICTION BRONZE (LARGE) 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
AT101001 FRICTION (SMALL) TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AT26632 FRICTION (SMALL) TAN PL 45 INT	049700	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
AT339922 FRICTION 34 INT	313720-160	Friction Clutch	109.72 x 68.32 x 1.60	4.320 x 2.690 x .063
CE20586 STEEL 8 EXT	319733-375	Steel Clutch	146.00 X 101.00 X 3.74	5.748 X 3.976 X .148
M3293T FRICTION (FIBER) 26 INT	313704-400	Friction Clutch	216.03 x 125.35 x 3.94	8.505 x 4.935 x .155
M-872T STEEL 6 EXT	313713	Steel Clutch	235.59 x 161.98 x 2.21	9.725 x 6.377 x .087
Not Available STEEL 69 EXT	314701-190	Steel Clutch	177.09 x 131.90 x 1.93	6.972 x 5.193 x .076
R-31404-R FRICTION 54 INT	319710	Friction Clutch	177.62 x 112.78 x 2.92	6.993 x 4.440 x .115
R39259 STEEL PLATE 6 EXT	313719-157	Steel Clutch	142.06 x 99.19 x 1.50	5.593 x 3.905 x .059
RE234261 FRICTION HEG WF 42 INT	319702	Friction Clutch	197.36 x 130.43 x 3.30	7.770 x 5.135 x .130
RE29815 FRICTION 6 EXT	319734-230	Friction Clutch		
T100680 STEEL (SMALL) 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
T100681 STEEL (LARGE) 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
T-140926 STEEL (3 TEETH REMOVED) 51 EXT	023701A	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
T-14339 STEEL 6 EXT	313715	Steel Clutch	275.82 x 177.90 x 2.64	10.859 x 7.004 x .104
T14340 STEEL 33 INT	313706-480	Friction Clutch		
T-20716 FRICTION (FIBER) 38 INT	313708-490	Friction Clutch	276.83 x 188.47 x 4.90	10.899 x 7.420 x .193
T-20717 STEEL 6 EXT	313711-240	Steel Clutch	301.60 x 206.50 x 2.40	11.860 x 8.120 x .094
T-20790 FRICTION (FIBER) 30 INT	313702-450	Friction Clutch	227.89 x 147.98 x 4.50	8.972 x 5.826 x .177
T-211817 FRICTION RED PLI 38 INT	313714-480	Friction Clutch	274.45 x 188.34 x 4.88	10.805 x 7.415 x .192
T-21315 STEEL 6 EXT	313701	Steel Clutch	245.90 x 174.96 x 2.41	9.681 x 6.888 x .095
T-31732 STEEL 6 EXT	313711	Steel Clutch	301.24 x 206.45 x 2.62	11.860 x 8.128 x .103
T-40018 FRICTION BRONZE 12 EXT	351708	Friction Clutch	152.35 x 107.92 x 2.08	5.998 x 4.249 x .082
T-44128 FRICTION BRONZE 30 INT	313712-450	Friction Clutch	147.90 x 147.90 x 4.50	8.930 x 5.820 x .177
T-44129 FRICTION 22 INT	313710-475	Friction Clutch	204.72 x 53.52 x 4.80	8.060 x 2.107 x .189
T-44804 STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
T-44805 FRICTION BRONZE 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
T-82355 FRICTION RED PLI 38 INT	313714-480	Friction Clutch	274.45 x 188.34 x 4.88	10.805 x 7.415 x .192
YZ100952 STEEL PARK BRAKE 8 EXT	313721-307	Friction Clutch		
YZ106-060 FRICTION TAN PLI 60 INT	314700A280	Friction Clutch	169.67 x 124.69 x 2.79	6.680 x 4.909 x .110
YZ106212 FRICTION TAN PL 52 INT	023712-279	Friction Clutch	148.50 x 107.72 x 2.79	5.850 x 4.241 x .110

JOHN DEERE BRAKE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
AL-38236 FRICTION BRAKE DISC 12 INT	313760	Friction Clutch	305.46 x 45.49 x 9.78	12.026 x 1.791 x .385
AT-63106 FRICTION BRAKE DISC 12 INT	313760	Friction Clutch	305.46 x 45.49 x 9.78	12.026 x 1.791 x .385
R-110464 FRICTION BRAKE PAD 7" KEVLAR Also fits 50 SERIES Tractors	099722K	Friction Clutch	3.200	.126

ALTO HEAVY DUTY CATALOG

JOHN DEERE BRAKE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
R-111122 FRICTION BRAKE PAD 6" KEVLAR Also fits 50 SERIES Tractors	099720K	Friction Clutch	3.200	.126
R-90090 FRICTION BRAKE PAD 7-1/4" KEVLAR Also fits 50 SERIES Tractors	099724K	Friction Clutch	3.200	.126

JOHN DEERE DIFFERENTIAL

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
FRICTION TAN WF (42 TOOTH COUNT) 42 INT	319730-325	Friction Clutch	228.55 x 146.35 x 3.25	8.998 x 5.762 x .128
MODULE, FRICTION & STEEL Contains: 3 319730-325, 2-319731-300, 1-319731A300	319750	Friction Steel Module		
R-34857 STEEL 12 EXT	319731A300	Steel Clutch	252.06 x 157.18 x 3.05	9.924 x 6.188 x .120
R-34858 STEEL (ROUND TOOTH) 9 EXT	319731-300	Steel Clutch	255.52 x 157.18 x 3.05	10.060 x 6.188 x .120
RE-53823 FRICTION TAN WF (47 TOOTH COUNT) 42 INT	319730A325	Friction Clutch	228.55 x 146.35 x 3.25	8.998 x 5.762 x .128

JOHN DEERE MISC.

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
T-141566 WASHER J DEERE DIFFERENTIAL	319501	Washer		
T-21418 ROLLER/BEARINGG J DEERE DIFFERENTIAL (23 PER PACK)	319325UP23	Bearing		

JOHN DEERE POWERSHIFT

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
AR-40896 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
AR-68345 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
AR-94515 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
AR-94516 FRICTION HEG WF 54 INT	319700	Friction Clutch	177.80 x 112.78 x 2.92	7.000 x 4.440 x .115
AR-94517 FRICTION HEG WF 42 INT	319702	Friction Clutch	197.36 x 130.43 x 3.30	7.770 x 5.135 x .130
AT-179473 FRICTION HEG WF 40 INT	313716-160	Friction Clutch	119.74 x 79.25 x 1.60	4.714 x 3.120 x .063
R-46391 STEEL 6 EXT	319701	Steel Clutch	195.07 x 120.65 x 3.05	7.680 x 4.750 x .120
R-46416 STEEL POWERSHIFT 4 EXT	319715-310	Steel Clutch	345.19 x 269.32 x 3.07	13.590 x 10.603 x .121
R-46418 STEEL 6 EXT	319703	Steel Clutch	216.84 x 138.02 x 2.97	8.537 x 5.434 x .117
R-48236 STEEL POWERSHIFT 4 EXT	319705-300	Steel Clutch	307.57 x 246.58 x 3.05	12.109 x 9.708 x .120
R-56547 STEEL POWERSHIFT 1 NOTCHED LUG 6 EXT	319701A310	Steel Clutch	195.07 x 120.65 x 3.05	7.680 x 4.750 x .120
R-77671 STEEL 6 EXT	319709-200	Steel Clutch	196.60 x 120.93 x 1.98	7.740 x 4.761 x .078
R-86308 STEEL 8 EXT	319711-300	Steel Clutch	355.86 x 268.99 x 3.07	14.010 x 10.590 x .121
RE-17162 FRICTION POWERSHIFT HEG PLI 94 INT	319704-300	Friction Clutch	295.25 x 239.80 x 3.05	11.624 x 9.441 x .120
RE-239059 FRICTION POWERSHIFT 4955 48 INT	319716A360	Friction Clutch	279.70 x 152.60 x 3.60	11.000 x 6.000 x .142
RE-27995 FRICTION BRONZE 54 INT	319710	Friction Clutch	177.62 x 112.78 x 2.92	6.993 x 4.440 x .115
RE-28023 FRICTION BRONZE 42 INT	319712	Friction Clutch	197.36 x 130.43 x 3.30	7.770 x 5.135 x .130
RE-29816 FRICTION DIFF LOCK FWD Fits 50, 55, 60, Mid 80 to 90 Series (2 Teeth Removed) 43 INT	049720B186	Friction Clutch	133.35 x 92.79 x 1.86	5.250 x 3.653 x .073
RE-35517 FRICTION HEG PL 88 EXT	319708-330	Friction Clutch	234.75 x 187.12 x 3.33	9.242 x 7.367 x .131
RE-62897 FRICTION POWERSHIFT HEG PLI 104 INT	319714-330	Friction Clutch	323.32 x 262.86 x 3.30	12.279 x 10.349 x .130
T-158801 STEEL POWERSHIFT FWD/REV Plus 1,2,3,4 and FORWARD 30 EXT	313717-180	Steel Clutch	131.10 x 86.30 x 1.80	5.160 x 3.390 x .071

JOHN DEERE PTO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
AR-108105 FRICTION PTO HEG PLI 45 INT	319722G	Friction Clutch	133.35 x 92.79 x 2.49	5.250 x 3.653 x .098
R-61066 STEEL QUAD RANGE WITH PTO Models: 4030, 4040, 4050, 4230, 4240, 4250, 4350, 4430, 4440, 4450, 4455, 4475, 4560, 4630, 4640, 4650, 4755, 4760, 4850, 4955, 4960 3 EXT	319723-560	Steel Clutch	361.90 x 176.00 x 5.60	14.230 x 6.920 x .220
RE-234264 FRICTION QUAD RANGE WITH PTO HEG WF (22 HOLES around ID) Models: 4030, 4040, 4050, 4230, 4240, 4250, 4350, 4430, 4440, 4450, 4455, 4475, 4560, 4630, 4640, 4650, 4755, 4760, 4850, 4955, 4960 48 INT	319724A350	Friction Clutch	305.71 x 149.35 x 3.73	12.036 x 5.880 x .147
RE-37011 FRICTION PTO TAN 45 INT	319720	Friction Clutch	133.35 x 92.79 x 1.60	5.250 x 3.653 x .063
T-28664 STEEL PTO 10 EXT	319721	Steel Clutch	142.80 x 99.10 x 2.30	5.620 x 3.900 x .090

JOHN DEERE SYNCHRO

ALTO HEAVY DUTY CATALOG

JOHN DEERE SYNCHRO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
AR-27727 STEEL SYNCHRO (REVERSE, LOW, HIGH) 4 INT	321701	Steel Clutch	104.72 x 71.50 x 1.19	4.123 x 2.815 x .047
AR-44997 FRICTION TAN WF SYNCHRO(REVERSE, LOW, HIGH) 6 EXT	321700	Friction Clutch	115.01 x 82.52 x 2.01	4.528 x 3.249 x .079
AR-69154 FRICTION TAN WF SYNCHRO (REVERSE, LOW, HIGH) 6 EXT	321700	Friction Clutch	115.01 x 82.52 x 2.01	4.528 x 3.249 x .079
RE-37119 KIT, SYNCHRO (REVERSE, LOW, HIGH) NOTE: 3 KITS/FULL SYNCHRO Contains: 3-321700, 2-321701	321750	Friction Steel Module		
T-158801 STEEL SYNCHRO FWD/REV Plus 1,2,3,4 and FORWARD 30 EXT	313717-180	Steel Clutch	131.10 x 86.30 x 1.80	5.160 x 3.390 x .071

KOMATSU

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
120-22-31221 STEEL 74 INT	325705-260	Steel Clutch	287.02 x 214.78 x 2.57	11.300 x 8.456 x .101
130-22-11320 STEEL 81 INT	325713-260	Steel Clutch	349.91 x 237.57 x 2.60	13.78 x 9.353 x .102
235-25-11360 FRICTION - BRAKE DISC HEG PLI 105 INT	320718-380	Friction Clutch	399.31 x 309.50 x 3.81	15.571 x 12.185 x .150
235-25-51430 STEEL - BRAKE DISC MATING PLATE 138 EXT	320719-230	Steel Clutch	419.94 x 324.56 x 2.31	16.533 x 12.778 x .091
34C-15-11350 FRICTION BRONZE 47 INT	325706-300	Friction Clutch	151.66 x 90.53 x 3.02	5.971 x 3.564 x .119
381-299-549C1 STEEL 85 EXT	306713	Steel Clutch	181.08 x 112.78 x 1.70	7.129 x 4.440 x .067
381-922-539C1 STEEL 85 EXT	306711	Steel Clutch	181.08 x 85.83 x 1.70	7.129 x 3.379 x .067
381-922-541C1 FRICTION RED WF 32 INT	306710R	Friction Clutch	166.98 x 78.74 x 1.80	6.574 x 3.100 x .071
381-922-551C1 FRICTION RED PLI 34 INT	306712R	Friction Clutch	167.18 x 104.82 x 1.80	6.582 x 4.127 x .071
381-922-913C1 SPRING	320767	Steel Clutch	180.00 x 173.40 x 0.35	7.080 x 6.820 x .014
3EA-15-11172 FRICTION HEG WF 41 INT	330700B300	Friction Clutch	124.64 x 68.83 x 3.05	4.907 x 2.710 x .120
3EA-15-11173 FRICTION HEG WF 41 INT	330700B300	Friction Clutch	124.64 x 68.83 x 3.05	4.907 x 2.710 x .120
3EA-15-11180 STEEL 4 EXT	079731-310	Steel Clutch	137.82 x 80.09 x 3.18	5.426 x 3.153 x .125
3EC-15-19270 FRICTION BRONZE 47 INT	325702BR	Friction Clutch	147.19 x 90.42 x 3.00	5.795 x 3.560 x .118
3EC-15-19280 STEEL 8 EXT	325703	Steel Clutch	157.02 x 100.30 x 1.40	6.182 x 3.949 x .055
3EC-15-29280 STEEL 8 EXT	325703	Steel Clutch	157.02 x 100.30 x 1.40	6.182 x 3.949 x .055
3EC-15-31280 STEEL 8 EXT	325709-200	Steel Clutch	168.30 x 100.20 x 2.00	6.620 x 3.940 x .079
3EC-16-31490 STEEL 4 EXT	079731-310	Steel Clutch	137.82 x 80.09 x 3.18	5.426 x 3.153 x .125
3FD-15-21570 FRICTION GRAPHITE WF (Fits 4G45T27 Type M) 37 INT	330702-250	Friction Clutch	155.70 x 87.86 x 2.54	6.130 x 3.459 x .100
418-17-39710 FRICTION POWERSHIFT HEG WF 26 INT	325700A220	Friction Clutch	159.97 x 97.38 x 2.18	6.298 x 3.834 x .086
418-33-21340 FRICTION - BRAKE DISC WA LOADER SERIES 15 INT	320706-670	Friction Clutch	303.02 x 68.20 x 6.70	11.930 x 2.290 x .264
418-33-31261 FRICTION - BRAKE DISC WA-200 0	320716-650	Steel Clutch		
419-15-12133 SPRING - WAVE OE STYLE	325767C	Steel Clutch	174.80 x 168.50 x 0.80	6.870 x 6.630 x .031
419-15-12290 FRICTION RED WF 26 INT	325700	Friction Clutch	159.97 x 97.38 x 2.18	6.298 x 3.834 x .086
419-15-12310 STEEL 68 EXT	325701	Steel Clutch	173.99 x 110.01 x 1.70	6.850 x 4.331 x .067
419-33-11243 FRICTION - BRAKE DISC WA300-1 LOADER SERIES 15 INT	320708-830	Friction Clutch	320.00 x 64.40 x 8.20	12.580 x .530 x .322
419-33-21240 FRICTION - BRAKE DISC WA320-3 LOADER SERIES 15 INT	320708A830	Friction Clutch	320.00 x 64.40 x 8.20	12.580 x .530 x .322
423-33-21240 FRICTION - BRAKE DISC WA380 LOADER SERIES 18 INT	320710-800	Friction Clutch	349.50 x 77.72 x 8.00	13.760 x 3.060 x .315
425-33-11510 FRICTION - BRAKE DISC HEG PLI Model & Qty: WA400-1 (4), 500-1 (6), 600-1 (13), 600-3 (9) 112 INT	320714-510	Friction Clutch	480.59 x 330.50 x 5.13	18.921 x 13.012 x .202
444-971C1 STEEL 11 EXT	056705	Steel Clutch	291.97 x 224.16 x 2.54	11.495 x 8.825 x .100
561-33-61230 STEEL 226 EXT	325707-240	Steel Clutch	682.75 x 509.69 x 2.41	26.808 x 20.063 x .095
566-33-41230 STEEL - BRAKE DISC MATING PLATE (18 TEETH CLIPPED) Model & Qty: WA400-1 (5), 500-1 (7), 600-1 (14), 600-3 (10) 146 EXT	320715-240	Steel Clutch	494.54 x 346.00 x 2.41	19.470 x 13.622 x .095
566-33-41242 FRICTION - BRAKE DISC Model & Qty: WA400-1 (4), 500-1 (6), 600-1 (13), 600-3 (9) 112 INT	320714-510	Friction Clutch	480.59 x 330.50 x 5.13	18.921 x 13.012 x .202
569-33-41241 FRICTION - BRAKE DISC 226 EXT	320712-518	Friction Clutch	659.13 x 491.74 x 5.18	25.950 x 19.360 x .204
569-33-41260 FRICTION - BRAKE DISC Model & Qty: WA400-1 (4), 500-1 (6), 600-1 (13), 600-3 (9) 208 EXT	325708-690	Friction Clutch	680.39 x 509.78 x 6.88	26.787 x 20.070 x .271
56D-15-12710 SPRING - WAVE OE STYLE	325767C	Steel Clutch	174.80 x 168.50 x 0.80	6.870 x 6.630 x .031
714-07-12670 FRICTION WA LOADER HEG WF 26 INT	325710-320	Friction Clutch	180.04 x 110.39 x 3.25	7.088 x 4.346 x .128
714-07-12680 STEEL WA LOADER 70 EXT	325711-200	Steel Clutch	198.04 x 127.99 x 2.01	7.797 x 50.390 x .079

ALTO HEAVY DUTY CATALOG

KOMATSU

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
714-08-19710 FRICTION 26 INT	325712-300	Friction Clutch	140.00 x 86.99 x 2.99	5.512 x 3.425 x .118
714-12-19711 FRICTION POWERSHIFT HEG WF 26 INT	325700A220	Friction Clutch	159.97 x 97.38 x 2.18	6.298 x 3.834 x .086
714-16-19730 STEEL 68 EXT	325701	Steel Clutch	173.99 x 110.01 x 1.70	6.850 x 4.331 x .067

KUBOTA

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
K366022361 FRICTION 555C / 555D BRONZE 36 INT	311720-244	Friction Clutch	133.40 x 90.30 x 2.44	5.252 x 3.555 x .096
K3660223691 STEEL 555C / 555D 54 EXT	023701	Steel Clutch	139.40 x 99.30 x 1.75	5.480 x 3.900 x .069
K3660223911 FRICTION 555C / 555D BRONZE 36 INT	311720-260	Friction Clutch	133.40 x 90.30 x 2.59	5.252 x 3.555 x .102

MACK TRUCK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
308SH108 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
308SH133 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204
308SH135 FRICTION HEG PLI 72 INT	352702-520	Friction Clutch	371.68 x 302.74 x 5.18	14.633 x 11.919 x .204

MASSEY-FERGUSON

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
1672626M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
1754344M1 STEEL DISH 54 EXT	023703	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
1754345M1 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
1804831M1 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
185062M3 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
185464M1 STEEL PTO 6 EXT	033711	Steel Clutch	144.07 x 94.49 x 1.75	5.672 x 3.720 x .069
1862289M2 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
1870074M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
1870879M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
190177M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
216084 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
224772 STEEL 60 EXT	023719	Steel Clutch	154.10 x 114.05 x 1.73	6.067 x 4.490 x .068
230911 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
233166 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
233166 FRICTION TAN PL 52 INT	023712-260	Friction Clutch	148.50 x 107.72 x 2.59	5.850 x 4.241 x .103
235161 FRICTION BRONZE 52 INT	023712BR260	Friction Clutch	148.50 x 107.72 x 2.62	5.850 x 4.241 x .103
236989 FRICTION BRONZE 52 INT	023712BR295	Friction Clutch	148.50 x 107.72 x 2.95	5.850 x 4.241 x .116
2757328M91 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
3823952M1 FRICTION BRAKE DISC HEG 27 INT	323706-480	Friction Clutch	223.75 X 55.07 X 4.83	8.809 X 2.168 X .190
513242M1 STEEL PTO 33 EXT	033711A	Steel Clutch	144.20 x 94.49 x 1.40	5.677 x 3.720 x .055
514276M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
521282M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
523551M1 STEEL PTO 11 EXT	033711B220	Steel Clutch	144.07 x 94.49 x 2.21	5.672 x 3.720 x .087
523552M1 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
533326M-2 FRICTION PTO BRONZE 57 INT	323702	Friction Clutch	128.27 x 87.91 x 2.54	5.050 x 3.461 x .100
772813M1 STEEL PTO 11 EXT	033711B	Steel Clutch	144.07 x 94.49 x 1.42	5.672 x 3.720 x .056

MELROSE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
1731746 STEEL 4 EXT	316703A	Steel Clutch	87.91 x 60.25 x .99	3.461 x 2.372 x .039
6649871 FRICTION (NO TEETH) TAN PLI	179706-327	Friction Clutch	190.50 x 136.91 x 3.25	7.500 x 5.390 x .128

MINN-MLINE (WHITE TRACTOR)

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
10P2664 STEEL 6 INT	331701-155	Steel Clutch	152.43 x 89.43 x 1.55	6.000 x 3.521 x .061

MISCELLANEOUS

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
09-1280-00046-CG FRICTION TAN WF 28 INT	320700	Friction Clutch	107.95 x 68.88 x 2.67	4.250 x 2.712 x .105

MITSUBISHI / TCM

ALTO HEAVY DUTY CATALOG

MITSUBISHI / TCM

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
10433-40091 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
65425-13800 STEEL 4 EXT	079731	Steel Clutch	137.82 x 80.09 x 2.26	5.426 x 3.153 x .089
65425-23800 STEEL 4 EXT	079731	Steel Clutch	137.82 x 80.09 x 2.26	5.426 x 3.153 x .089
90209-92800 FRICTION BRONZE 19 INT	310716	Friction Clutch	165.07 x 74.30 x 3.99	6.499 x 2.925 x .157
91224-06500 FRICTION HEG PLI 41 INT	079730A365	Friction Clutch	124.54 x 68.83 x 3.66	4.907 x 2.710 x .144
91224-16500 FRICTION HEG PLI 41 INT	079730A365	Friction Clutch	124.54 x 68.83 x 3.66	4.907 x 2.710 x .144
91224-16500 FRICTION MITS TCM HEG PLI 41 INT	079730A365	Friction Clutch	124.54 x 68.83 x 3.66	4.907 x 2.710 x .144
91324-02700 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
91324-02701 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
91324-02702 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
91324-12600 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.185 x 3.153 x .063
91324-12600 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.188 x 3.153 x .063
91324-12601 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.185 x 3.153 x .063
91324-12601 STEEL 24 EXT	308707-160	Steel Clutch	131.70 x 80.09 x 1.60	5.185 x 3.153 x .063
91824-08200 STEEL 6 EXT	308705-230	Steel Clutch	170.38 x 99.97 x 2.09	6.708 x 3.936 x .090
92226-08800 FRICTION GRAPHITE WF 37 INT	330702-250	Friction Clutch	155.70 x 87.86 x 2.54	6.130 x 3.459 x .100

MOROOKA

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
SP409 FRICTION HEG PL 24 INT	316702A	Friction Clutch	78.11 x 53.11 x 1.71	3.071 x 2.091 x .067
SP410 STEEL 3 EXT	316703	Steel Clutch	190.50 x 136.91 x 3.25	3.461 x 2.372 x .039

NISSAN

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
31532-22H01 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.64	4.907 x 2.710 x .104
31532-25H01 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
31532-40K00 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
31532-LI000 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.64	4.907 x 2.710 x .104
31532-LI500 FRICTION HEG WF 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.59	4.907 x 2.710 x .102
31536-22H00 STEEL 42 EXT	312701A180	Steel Clutch	131.55 x 77.34 x 1.78	5.179 x 3.045 x .070
31536-25H00 STEEL 42 EXT	312701-160	Steel Clutch	131.55 x 79.96 x 1.60	5.179 x 3.148 x .063
31536-LI002 STEEL 8 EXT	330701A160	Steel Clutch	131.67 x 80.16 x 1.60	5.184 x 3.156 x .063
31536-LI500 STEEL 8 EXT	330701A160	Steel Clutch	131.67 x 80.16 x 1.60	5.184 x 3.156 x .063

PARAGON

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
11759-P FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061

PETTIBONE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
44238-65 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
44238-66 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
44238-80 FRICTION BRONZE 59 INT	023738BR	Friction Clutch	190.61 x 147.17 x 2.92	7.504 x 5.794 x .115
44238-81 STEEL 3 EXT	023739	Steel Clutch	214.83 x 155.58 x 1.75	8.458 x 6.125 x .069
44367-10 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
44367-9 FRICTION TAN PLI 45 INT	049700-216	Friction Clutch	133.35 x 92.79 x 2.16	5.250 x 3.653 x .085

PLYMOUTH (LOCOMOTIVE)

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
2-05193 STEEL 8 EXT	328711-320	Steel Clutch	244.30 x 173.00 x 3.12	9.618 x 6.811 x .123
2-05194 STEEL 8 EXT	328713-320	Steel Clutch	282.65 x 201.09 x 3.15	11.128 x 7.917 x .124
3-08491 FRICTION BRONZE 39 INT	328712-285	Friction Clutch	228.06 x 162.41 x 2.87	8.977 x 6.394 x .113
3-08492 FRICTION BRONZE 45 INT	328710-285	Friction Clutch	267.06 x 187.73 x 2.84	10.514 x 7.391 x .112

RENK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
50.67.011/2 FRICTION BRONZE 53 INT	330714-400	Friction Clutch	275.77 x 212.14 x 3.99	10.857 x 8.352 x .157
50.67.314/2 FRICTION BRONZE 53 INT	330712-400	Friction Clutch	364.67 x 265.05 x 3.99	14.357 x 10.435 x .157
50.71.206/2 FRICTION BRONZE 53 INT	330714-400	Friction Clutch	275.77 x 212.14 x 3.99	10.857 x 8.352 x .157

ALTO HEAVY DUTY CATALOG

ROCKFORD POWERTRAIN

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
C-305193 STEEL 8 EXT	306709-155	Steel Clutch	142.62 x 99.14 x 1.55	5.615 x 3.903 x .061
C317753-X1 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
C-317754-X1 FRICTION BRONZE 29 INT	307702-250	Friction Clutch	168.58 x 119.43 x 2.54	6.637 x 4.702 x .100

SKYTRAK

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
8033096 KIT - FRICTION & STEEL Contains: 4-328700, 4-328701	328750	Friction Steel Module		
8034688 KIT - FRICTION & STEEL Contains: 4-328700, 4-328701	328750	Friction Steel Module		
R30WA109 STEEL 61 EXT	328701	Steel Clutch	200.10 x 102.10 x 6.10	7.870 x 4.010 x .087
R30WA120 FRICTION BLK WF 23 INT	328700	Friction Clutch	177.62 x 69.42 x 3.81	6.993 x 2.733 x .150

TEREX

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
15000719 STEEL BRAKE PLATE 141 EXT	329701-250	Steel Clutch	740.13 x 539.88 x 2.41	29.139 x 21.255 x .095
15000720 BRAKE DAMPER (1 side cork facing) 140 EXT	329702-690	Friction Clutch	738.00 x 539.50 x 6.90	29.020 x 21.220 x .271
15235882 FRICTION BRAKE PLATE TAN PLI 99 INT	329700-520	Friction Clutch	714.93 x 511.23 x 5.16	28.147 x 20.127 x .203
464-430-8328 STEEL (Mates with 329708) 35 INT	329709-150	Steel Clutch	171.15 x 103.07 x 1.52	6.738 x 4.058 x .060
9255150 FRICTION BRONZE 84 INT	329704	Friction Clutch	417.60 x 349.30 x 5.20	16.420 x 13.740 x .204
9398081 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
9398112 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079

TOYOTA

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
32343-30520-71 STEEL 52 EXT	330705-230	Steel Clutch	161.50 x 100.00 x 2.30	6.358 x 3.937 x .090
32343-30520-71 FRICTION 29 INT	330708-260	Friction Clutch	156.00 x 89.00 x 2.60	6.140 x 3.500 x .102
32412-22030 STEEL 12 EXT	330703-200	Steel Clutch	165.50 x 100.00 x 2.00	6.510 x 3.930 x .079
32413-31710-71 FRICTION 18 INT	330713-200	Steel Clutch	165.50 x 100.00 x 2.00	6.510 x 3.930 x .079
32425-U2170-71 STEEL 8 EXT	330707-203	Steel Clutch	139.52 x 88.52 x 1.98	5.493 x 3.485 x .078
32431-12050-71 STEEL 8 EXT	330711	Steel Clutch	161.11 x 114.15 x 1.80	6.343 x 4.494 x .071
32431-23630-71 STEEL 6 EXT	330709-200	Steel Clutch	143.10 x 88.70 x 2.00	5.633 x 3.492 x .079
32432-22030-71 FRICTION 37 INT	330706-260	Friction Clutch	155.70 x 87.86 x 2.59	6.130 x 3.459 x 0.102
32432-32890 FRICTION GRAPHITE WF 37 INT	330702-250	Friction Clutch	155.70 x 87.86 x 2.54	6.130 x 3.459 x .100
32461-23030-71 FRICTION HEG PLI 42 INT	330710	Friction Clutch	149.66 x 107.67 x 2.62	5.892 x 4.239 x .103
32461-23630-71 FRICTION HEG WF 30 INT	330704-257	Friction Clutch	130.63 x 79.27 x 2.60	5.143 x 3.121 x .102
40615-20060-71 FRICTION BRONZE 41 INT	330700A260	Friction Clutch	124.64 x 68.83 x 2.64	4.907 x 2.710 x .104
40616-20060-71 STEEL 8 EXT	330701	Steel Clutch	131.67 x 77.17 x 1.73	5.184 x 3.038 x .068

TWIN DISC

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
204097 STEEL FOR/REV MG-506 42 INT	332703	Steel Clutch	101.60 x 64.69 x 1.59	4.000 x 2.547 x .063
206106X FRICTION HEG WF MG-518 100 EXT	332712	Friction Clutch	214.93 x 151.54 x 3.18	8.462 x 5.966 x .125
215736 STEEL MG518 56 INT	332711-228	Steel Clutch	203.20 x 138.4 x 2.30	7.990 x 5.440 x .090
A4480A,B,M FRICTION BRONZE FOR/REV MG-509 & MG-512 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
A4481A STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
A4939 STEEL FOR/REV MG-509 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
A4939B STEEL FOR/REV MG-509 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
A6566E FRICTION BRONZE MG-514 ALL MODELS 12 EXT	332706	Friction Clutch	236.04 x 139.67 x 3.10	9.293 x 5.400 x .122
A6567E STEEL STEPPED MG-514A, MG-514B LATE & MG-514C 40 INT	332709	Steel Clutch	203.70 x 123.11 x 4.72	7.995 x 4.847 x .186
B1432 BEARING RETAINER TWIN DISC (12 PER PACK)	332501UP12	Bearing		
B3060B FRICTION BRONZE FOR/REV MG-506 68 EXT	332702	Friction Clutch	112.14 x 71.30 x 2.16	4.415 x 2.807 x .085
B3336A FRICTION BRONZE FOR/REV MG-502 79 EXT	332700	Friction Clutch	102.67 x 70.23 x 2.16	4.042 x 2.765 x .085
B3337 STEEL FOR/REV MG-502 52 INT	332701	Steel Clutch	94.360 x 63.68 x 1.30	3.715 x 2.507 x .051
KIT - FRICTION & STEEL Contains: 9-352704A388, 2-352712BR390, 10-352701	352750A	Friction Steel Module		
P4251A,B,C FRICTION FOR/REV BRONZE MG-509 & MG-512 76 EXT	332704	Friction Clutch	164.24 x 103.81 x 2.87	6.466 x 4.087 x .113
P4371 STEEL FOR/REV MG-509 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061

ALTO HEAVY DUTY CATALOG

TWIN DISC

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
T-22176A FRICTION TAN PL 52 INT	023712	Friction Clutch	148.50 x 107.72 x 1.55	5.850 x 4.241 x .061
T-44804 STEEL 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060

VOLVO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
0501-208-457 FRICTION HEG PLI 34 INT	329710-450	Friction Clutch	277.85 x 166.9 x 4.50	10.939 x 6.571 x .177
0501-309-329 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0501-309-600 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0750-140-009 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
11037030-1 FRICTION HEG 23 INT	330720A480	Friction Clutch	223.52 x 69.85 x 4.83	8.800 x 2.250 x .190
11037196-0 FRICTION BRONZE 76 EXT	330718-200	Friction Clutch	163.80 x 99.24 x 2.01	6.449 x 3.907 x .079
11703652-5 STEEL 14 EXT	310715	Steel Clutch	218.97 x 158.93 x 2.73	8.621 x 6.257 x .108
11703854-7 STEEL 12 EXT	310719	Steel Clutch	257.05 x 190.83 x 2.59	10.120 x 7.513 x .102
11703987 FRICTION HEG 36 INT	330722	Friction Clutch	419.48 X 100.25 X 9.55	16.51 X 3.947 X .376
464-430-8328 STEEL (Mates with 329708) 35 INT	329709-150	Steel Clutch	171.15 x 103.07 x 1.52	6.738 x 4.058 x .060
464-430-8329 STEEL (Mates with 329708) 35 INT	329709-200	Steel Clutch	171.15 x 103.07 x 2.01	6.738 x 4.058 x .079
4715178 FRICTION PTO BRONZE 76 EXT	330716-290	Friction Clutch	164.13 x 89.05 x 2.95	6.462 x 3.506 x .116
4718216 STEEL PTO 40 INT	330717-150	Steel Clutch	151.94 x 81.69 x 1.52	5.982 x 3.216 x .060
4720762 STEEL Shifting Clutch - all ranges 45 INT	332705-200	Steel Clutch	152.45 x 92.46 x 2.00	6.002 x 3.640 x .079
4720763 STEEL 45 INT	332705	Steel Clutch	152.45 x 92.46 x 1.55	6.002 x 3.640 x .061
47800C57 FRICTION BRONZE 45 INT	049700A150	Friction Clutch	133.35 x 92.79 x 1.50	5.250 x 3.653 x .059
4871966 STEEL 54 EXT	023701	Steel Clutch	138.99 x 99.01 x 1.73	5.472 x 3.898 x .068
4873042-7 FRICTION HEG PLI 45 INT	049720	Friction Clutch	133.35 x 92.79 x 1.55	5.250 x 3.653 x .061
4873043-6 FRICTION BRONZE 45 INT	049700BR	Friction Clutch	128.60 x 92.79 x 1.55	5.063 x 3.653 x .061
795322 STEEL 8 EXT	306709-155	Steel Clutch	142.62 x 99.14 x 1.55	5.615 x 3.903 x .061

WABCO

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
DC-4208 STEEL 104 INT	326701	Steel Clutch	557.28 x 435.76 x 4.98	21.94 x 17.156 x .196

WITCHITA

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
308-11-24 STEEL 104 INT	326701	Steel Clutch	557.28 x 435.76 x 4.98	21.94 x 17.156 x .196

YALE

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
0592179-00 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
0592180-00 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
4907850 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
505971578 STEEL 54 EXT	023701-300	Steel Clutch	138.99 x 99.01 x 3.01	5.472 x 3.898 x .119
5184708-19 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
5800145-55 FRICTION HEG PLI 45 INT	049720-200	Friction Clutch	133.35 x 92.79 x 2.08	5.250 x 3.653 x .082
58001956 FRICTION PTO HEG PLI 45 INT	319722G	Friction Clutch	133.35 x 92.79 x 2.49	5.250 x 3.653 x .098
630243 FRICTION BRONZE 37 EXT	334710	Friction Clutch	192.00 x 117.60 x 2.40	7.550 x 4.620 x .094
643847 STEEL 64 EXT	308701	Steel Clutch	205.59 x 145.47 x 1.65	8.094 x 5.727 x .065
643848 FRICTION BRONZE 44 INT	308700A	Friction Clutch	196.60 x 138.20 x 2.79	7.730 x 5.430 x .110
900-952-804 FRICTION 38 INT	334712	Friction Clutch	133.70 x 77.30 x 2.80	5.260 x 3.040 x .110

ZF

REF# and Description	ALTO #	Part Type	INCH (ODxDxThk)	MM (ODxDxThk)
0501-309-329 FRICTION BRONZE 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0501-309-330 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
0501-309-541 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
0501-309-600 FRICTION BRONZE Model 6WG-200 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0750-140-009 FRICTION 27 EXT	329706	Friction Clutch	137.29 x 91.24 x 2.01	5.405 x 3.592 x .079
0750-140-010 FRICTION BRONZE 35 EXT	329708	Friction Clutch	177.32 x 109.22 x 2.01	6.981 x 4.300 x .079
7302727 FRICTION (PAPER TYPE) TAN PL 24 INT	053702	Friction Clutch	142.98 x 110.08 x 1.55	5.629 x 4.334 x .061
7302752 FRICTION (PAPER TYPE) HEG SMOOTH 34 INT	053700	Friction Clutch	99.850 x 68.170 x 1.55	3.931 x 2.684 x .061
0501-215-214 ONE SIDED PLI 61 INT	329712A310	Friction Clutch	13.712 x 11.847 x .122 13.712 x 11.847 x .122 13.712 x 11.847 x .122	348.28 x 300.91 x 3.10

ALTO HEAVY DUTY CATALOG

ZF				
REF# and Description	ALTO #	Part Type	INCH (ODxIDxThk)	MM (ODxIDxThk)
0501-220-255 ONE SIDED PLI 24 EXT	329713A310	Friction Clutch	374.14 x 311.91 x 3.10	14.730 x 12.280 x .122
4181-292-032 ONE SIDED PLI 46 INT	329714A245	Friction Clutch	290.65 x 232.36 x 2.44	11.443 x 9.148 x .096
4181-292-033 ONE SIDED PLI 72 INT	329715A245	Friction Clutch	297.56 x 243.36 x 2.44	11.715 x 9.581 x .096
4181-295-056 ONE SIDED PLI 42 EXT	329711A245	Friction Clutch	208.28 x 158.52 x 2.44	8.200 x 6.241 x .096
4181-295-065 ONE SIDED PLI 32 INT	329717A245	Friction Clutch	198.55 x 243.36 x 2.44	7.817 x 5.821 x .096
4181-327-001 WAVED 72 EXT	329715X	Steel Clutch	297.56 x 243.36 x 0.79	11.715 x 9.581 x .031
4181-328-017 STEEL 72 EXT	329715-142	Steel Clutch	297.56 x 243.36 x 1.42	11.715 x 9.581 x .056
4181-355-026 STEEL 32 INT	329717-140	Steel Clutch	198.55 x 147.85 x 1.40	7.817 x 5.821 x .055
464-230-8330 STEEL - KOLENE Model 6WG-200 29 EXT	329707-150	Steel Clutch	131.19 x 85.24 x 1.50	5.165 x 3.356 x .059
464-230-8331 STEEL - KOLENE Model 6WG-200 29 EXT	329707-250	Steel Clutch	131.19 x 85.24 x 2.49	5.165 x 3.356 x .098
464-230-8332 STEEL - KOLENE Model 6WG-200 29 EXT	329707-200	Steel Clutch	131.19 x 85.24 x 2.01	5.165 x 3.356 x .079
7302726 STEEL 12 EXT	053703	Steel Clutch	156.03 x 119.13 x 1.80	6.143 x 4.690 x .071
7302753 STEEL 24 EXT	053701	Steel Clutch	107.82 x 76.17 x 1.80	4.245 x 2.999 x .071
STEEL 8 EXT	330701A160	Steel Clutch	131.67 x 80.16 x 1.60	5.184 x 3.156 x .063