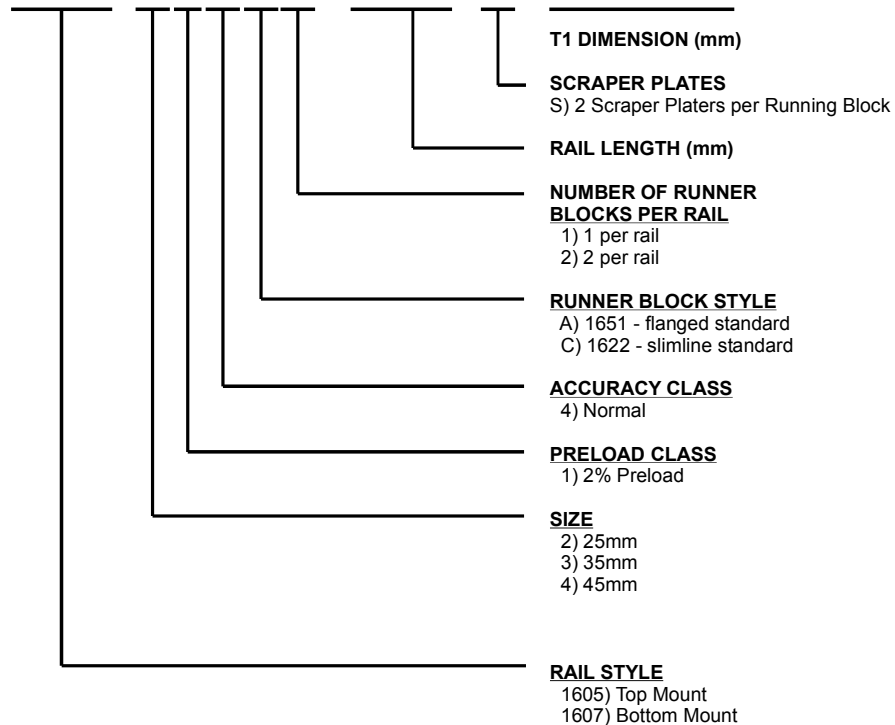


MORRELL APPLICATION GUIDE: MECHANICAL
 GUIDE: 2005 GM NACCL LIST

MORRELL CONTACTS:

Shawn Stearn, Mechanical Product Manager
Phone (248) 373-1600.

STAR1605-214A2L0820 S (T1=50)



BOSCH REXROTH STAR LINEAR GUIDE RAIL

Item PN	Desc.
1 1605-204-31-XX	Guide Rail, 25mm, Bosch Rexroth, Top Mount, w/Plastic Hole Plugs, Normal Accuracy.
2 1605-304-31-XX	Guide Rail, 35mm, Bosch Rexroth Star, Top Mount, w/Plastic Hole Plugs, Normal Accuracy.
3 1605-404-31-XX	Guide Rail, 45mm, Bosch Rexroth Star, Top Mount, w/Plastic Hole Plugs, Normal Accuracy.
4 1607-204-31-XX	Guide Rail, 25mm, Bosch Rexroth Star, Bottom Mount, w/Plastic Hole Plugs, Normal Accuracy.
5 1607-304-31-XX	Guide Rail, 35mm, Bosch Rexroth Star, Bottom Mount, w/Plastic Hole Plugs, Normal Accuracy.
6 1607-404-31-XX	Guide Rail, 45mm, Bosch Rexroth Star, Bottom Mount, w/Plastic Hole Plugs, Normal Accuracy.

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

MORRELL RUNNER BLOCK ASSEMBLIES

Item	PN	Desc.
1	1651-214-20-D251	Morrel Runner Block Assembly, 25mm, Including: (1) Bosch Rexroth Star Size 25 mm Runner Block, Steel, Standard Width, 2% Preload, Normal Accuracy. (2) Two Scraper Plates PN 1620-210-30.
2	1651-314-20-D251	Morrel Runner Block Assembly, 35mm, Including: (1) Bosch Rexroth Star Size 35 mm Runner Block, Steel, Standard Width, 2% Preload, Normal Accuracy. (2) Two Scraper Plates PN 1620-310-30.
3	1651-414-20-D251	Morrel Runner Block Assembly, 45mm, Including: (1) Bosch Rexroth Star Size 45 mm Runner Block, Steel, Standard Width, 2% Preload, Normal Accuracy. (2) Two Scraper Plates PN 1620-410-30
4	1622-314-20-D251	Morrel Runner Block Assembly, 35mm, Including: (1) Bosch Rexroth Star Size 35 mm Runner Block, Steel, Slimline Width, 2% Preload, Normal Accuracy. (2) Two Scraper Plates PN 1620-310-30.
5	1622-414-20-D251	Morrel Runner Block Assembly, 45mm, Including: (1) Bosch Rexroth Star Size 45 mm Runner Block, Steel, Slimline Width, 2% Preload, Normal Accuracy. (2) Two Scraper Plates PN 1620-410-30

BOSCH REXROTH STAR LINEAR COMPONENTS

Item	PN	Desc.
1	1651-214-20	Runner Block, 25mm, Bosch Rexroth Star, Steel, Standard Width, 2% Preload, Normal Accuracy, Gen 2 Lubrication Reservoir
2	1651-314-20	Runner Block, 35mm, Bosch Rexroth Star, Steel, Standard Width, 2% Preload, Normal Accuracy, Gen 2 Lubrication Reservoir
3	1651-414-20	Runner Block, 45mm, Bosch Rexroth Star, Steel, Standard Width, 2% Preload, Normal Accuracy, Gen 2 Lubrication Reservoir
4	1622-314-20	Runner Block, 35mm, Bosch Rexroth Star, Steel, Slimline Width, 2% Preload, Normal Accuracy, Gen 2 Lubrication Reservoir
5	1622-414-20	Runner Block, 45mm, Bosch Rexroth Star, Steel, Slimline Width, 2% Preload, Normal Accuracy, Gen 2 Lubrication Reservoir
6	1620-210-30	Scraper Plate, 25 mm, Bosch Rexroth Star Size
7	1620-310-30	Scraper Plate, 35 mm, Bosch Rexroth Star Size
8	1620-410-30	Scraper Plate, 45 mm, Bosch Rexroth Star Size

MORRELL APPLICATION GUIDE: MECHANICAL
 GUIDE: 2005 GM NACCL LIST

MORRELL BALL RAIL SYSTEM ASSEMBLIES

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 25	400	STAR1605-214A2L400S(T1=20)	20	1605-204-31-400 (T1=20)	1651-214-20-D251
SIZE 25	400	STAR1607-214A2L400S(T1=20)	20	1607-204-31-400 (T1=20)	1651-214-20-D251
SIZE 25	460	STAR1605-214A2L460S(T1=20)	20	1605-204-31-460 (T1=20)	1651-214-20-D251
SIZE 25	460	STAR1607-214A2L460S(T1=20)	20	1607-204-31-460 (T1=20)	1651-214-20-D251
SIZE 25	520	STAR1605-214A2L520S(T1=20)	20	1605-204-31-520 (T1=20)	1651-214-20-D251
SIZE 25	520	STAR1607-214A2L520S(T1=20)	20	1607-204-31-520 (T1=20)	1651-214-20-D251
SIZE 25	580	STAR1605-214A2L580S(T1=20)	20	1605-204-31-580 (T1=20)	1651-214-20-D251
SIZE 25	580	STAR1607-214A2L580S(T1=20)	20	1607-204-31-580 (T1=20)	1651-214-20-D251
SIZE 25	640	STAR1605-214A2L640S(T1=20)	20	1605-204-31-640 (T1=20)	1651-214-20-D251
SIZE 25	640	STAR1607-214A2L640S(T1=20)	20	1607-204-31-640 (T1=20)	1651-214-20-D251
SIZE 25	700	STAR1605-214A2L700S(T1=20)	20	1605-204-31-700 (T1=20)	1651-214-20-D251
SIZE 25	700	STAR1607-214A2L700S(T1=20)	20	1607-204-31-700 (T1=20)	1651-214-20-D251
SIZE 25	760	STAR1605-214A2L760S(T1=20)	20	1605-204-31-760 (T1=20)	1651-214-20-D251
SIZE 25	760	STAR1607-214A2L760S(T1=20)	20	1607-204-31-760 (T1=20)	1651-214-20-D251
SIZE 25	820	STAR1605-214A2L820S(T1=20)	20	1605-204-31-820 (T1=20)	1651-214-20-D251
SIZE 25	820	STAR1607-214A2L820S(T1=20)	20	1607-204-31-820 (T1=20)	1651-214-20-D251
SIZE 25	880	STAR1605-214A2L880S(T1=20)	20	1605-204-31-880 (T1=20)	1651-214-20-D251
SIZE 25	880	STAR1607-214A2L880S(T1=20)	20	1607-204-31-880 (T1=20)	1651-214-20-D251
SIZE 25	940	STAR1605-214A2L940S(T1=20)	20	1605-204-31-940 (T1=20)	1651-214-20-D251
SIZE 25	940	STAR1607-214A2L940S(T1=20)	20	1607-204-31-940 (T1=20)	1651-214-20-D251
SIZE 25	1,000	STAR1605-214A2L1000S(T1=20)	20	1605-204-31-1000 (T1=20)	1651-214-20-D251
SIZE 25	1,000	STAR1607-214A2L1000S(T1=20)	20	1607-204-31-1000 (T1=20)	1651-214-20-D251
SIZE 25	1,060	STAR1605-214A2L1060S(T1=20)	20	1605-204-31-1060 (T1=20)	1651-214-20-D251
SIZE 25	1,060	STAR1607-214A2L1060S(T1=20)	20	1607-204-31-1060 (T1=20)	1651-214-20-D251
SIZE 25	1,120	STAR1605-214A2L1120S(T1=20)	20	1605-204-31-1120 (T1=20)	1651-214-20-D251
SIZE 25	1,120	STAR1607-214A2L1120S(T1=20)	20	1607-204-31-1120 (T1=20)	1651-214-20-D251
SIZE 25	1,180	STAR1605-214A2L1180S(T1=20)	20	1605-204-31-1180 (T1=20)	1651-214-20-D251
SIZE 25	1,180	STAR1607-214A2L1180S(T1=20)	20	1607-204-31-1180 (T1=20)	1651-214-20-D251
SIZE 25	1240	STAR1605-214A2L1240S(T1=20)	20	1605-204-31-1240 (T1=20)	1651-214-20-D251
SIZE 25	1240	STAR1607-214A2L1240S(T1=20)	20	1607-204-31-1240 (T1=20)	1651-214-20-D251
SIZE 25	1300	STAR1605-214A2L1300S(T1=20)	20	1605-204-31-1300 (T1=20)	1651-214-20-D251
SIZE 25	1300	STAR1607-214A2L1300S(T1=20)	20	1607-204-31-1300 (T1=20)	1651-214-20-D251
SIZE 25	1360	STAR1605-214A2L1360S(T1=20)	20	1605-204-31-1360 (T1=20)	1651-214-20-D251
SIZE 25	1360	STAR1607-214A2L1360S(T1=20)	20	1607-204-31-1360 (T1=20)	1651-214-20-D251
SIZE 25	1420	STAR1605-214A2L1420S(T1=20)	20	1605-204-31-1420 (T1=20)	1651-214-20-D251
SIZE 25	1420	STAR1607-214A2L1420S(T1=20)	20	1607-204-31-1420 (T1=20)	1651-214-20-D251
SIZE 25	1480	STAR1605-214A2L1480S(T1=20)	20	1605-204-31-1480 (T1=20)	1651-214-20-D251
SIZE 25	1480	STAR1607-214A2L1480S(T1=20)	20	1607-204-31-1480 (T1=20)	1651-214-20-D251
SIZE 25	1540	STAR1605-214A2L1540S(T1=20)	20	1605-204-31-1540 (T1=20)	1651-214-20-D251
SIZE 25	1540	STAR1607-214A2L1540S(T1=20)	20	1607-204-31-1540 (T1=20)	1651-214-20-D251
SIZE 25	1600	STAR1605-214A2L1600S(T1=20)	20	1605-204-31-1600 (T1=20)	1651-214-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 25	1600	STAR1607-214A2L1600S(T1=20)	20	1607-204-31-1600 (T1=20)	1651-214-20-D251
SIZE 25	1660	STAR1605-214A2L1660S(T1=20)	20	1605-204-31-1660 (T1=20)	1651-214-20-D251
SIZE 25	1660	STAR1607-214A2L1660S(T1=20)	20	1607-204-31-1660 (T1=20)	1651-214-20-D251
SIZE 25	1720	STAR1605-214A2L1720S(T1=20)	20	1605-204-31-1720 (T1=20)	1651-214-20-D251
SIZE 25	1720	STAR1607-214A2L1720S(T1=20)	20	1607-204-31-1720 (T1=20)	1651-214-20-D251
SIZE 25	1780	STAR1605-214A2L1780S(T1=20)	20	1605-204-31-1780 (T1=20)	1651-214-20-D251
SIZE 25	1780	STAR1607-214A2L1780S(T1=20)	20	1607-204-31-1780 (T1=20)	1651-214-20-D251
SIZE 25	1840	STAR1605-214A2L1840S(T1=20)	20	1605-204-31-1840 (T1=20)	1651-214-20-D251
SIZE 25	1840	STAR1607-214A2L1840S(T1=20)	20	1607-204-31-1840 (T1=20)	1651-214-20-D251
SIZE 25	1900	STAR1605-214A2L1900S(T1=20)	20	1605-204-31-1900 (T1=20)	1651-214-20-D251
SIZE 25	1900	STAR1607-214A2L1900S(T1=20)	20	1607-204-31-1900 (T1=20)	1651-214-20-D251
SIZE 25	1960	STAR1605-214A2L1960S(T1=20)	20	1605-204-31-1960 (T1=20)	1651-214-20-D251
SIZE 25	1960	STAR1607-214A2L1960S(T1=20)	20	1607-204-31-1960 (T1=20)	1651-214-20-D251
SIZE 25	2020	STAR1605-214A2L2020S(T1=20)	20	1605-204-31-2020 (T1=20)	1651-214-20-D251
SIZE 25	2020	STAR1607-214A2L2020S(T1=20)	20	1607-204-31-2020 (T1=20)	1651-214-20-D251
SIZE 25	2080	STAR1605-214A2L2080S(T1=20)	20	1605-204-31-2080 (T1=20)	1651-214-20-D251
SIZE 25	2080	STAR1607-214A2L2080S(T1=20)	20	1607-204-31-2080 (T1=20)	1651-214-20-D251
SIZE 25	2140	STAR1605-214A2L2140S(T1=20)	20	1605-204-31-2140 (T1=20)	1651-214-20-D251
SIZE 25	2140	STAR1607-214A2L2140S(T1=20)	20	1607-204-31-2140 (T1=20)	1651-214-20-D251
SIZE 25	2200	STAR1605-214A2L2200S(T1=20)	20	1605-204-31-2200 (T1=20)	1651-214-20-D251
SIZE 25	2200	STAR1607-214A2L2200S(T1=20)	20	1607-204-31-2200 (T1=20)	1651-214-20-D251
SIZE 25	2260	STAR1605-214A2L2260S(T1=20)	20	1605-204-31-2260 (T1=20)	1651-214-20-D251
SIZE 25	2260	STAR1607-214A2L2260S(T1=20)	20	1607-204-31-2260 (T1=20)	1651-214-20-D251
SIZE 25	2320	STAR1605-214A2L2320S(T1=20)	20	1605-204-31-2320 (T1=20)	1651-214-20-D251
SIZE 25	2320	STAR1607-214A2L2320S(T1=20)	20	1607-204-31-2320 (T1=20)	1651-214-20-D251
SIZE 25	2380	STAR1605-214A2L2380S(T1=20)	20	1605-204-31-2380 (T1=20)	1651-214-20-D251
SIZE 25	2380	STAR1607-214A2L2380S(T1=20)	20	1607-204-31-2380 (T1=20)	1651-214-20-D251
SIZE 25	2440	STAR1605-214A2L2440S(T1=20)	20	1605-204-31-2440 (T1=20)	1651-214-20-D251
SIZE 25	2440	STAR1607-214A2L2440S(T1=20)	20	1607-204-31-2440 (T1=20)	1651-214-20-D251
SIZE 25	2500	STAR1605-214A2L2500S(T1=20)	20	1605-204-31-2500 (T1=20)	1651-214-20-D251
SIZE 25	2500	STAR1607-214A2L2500S(T1=20)	20	1607-204-31-2500 (T1=20)	1651-214-20-D251
SIZE 25	2560	STAR1605-214A2L2560S(T1=20)	20	1605-204-31-2560 (T1=20)	1651-214-20-D251
SIZE 25	2560	STAR1607-214A2L2560S(T1=20)	20	1607-204-31-2560 (T1=20)	1651-214-20-D251
SIZE 25	2620	STAR1605-214A2L2620S(T1=20)	20	1605-204-31-2620 (T1=20)	1651-214-20-D251
SIZE 25	2620	STAR1607-214A2L2620S(T1=20)	20	1607-204-31-2620 (T1=20)	1651-214-20-D251
SIZE 25	2680	STAR1605-214A2L2680S(T1=20)	20	1605-204-31-2680 (T1=20)	1651-214-20-D251
SIZE 25	2680	STAR1607-214A2L2680S(T1=20)	20	1607-204-31-2680 (T1=20)	1651-214-20-D251
SIZE 25	2740	STAR1605-214A2L2740S(T1=20)	20	1605-204-31-2740 (T1=20)	1651-214-20-D251
SIZE 25	2740	STAR1607-214A2L2740S(T1=20)	20	1607-204-31-2740 (T1=20)	1651-214-20-D251
SIZE 25	2800	STAR1605-214A2L2800S(T1=20)	20	1605-204-31-2800 (T1=20)	1651-214-20-D251
SIZE 25	2800	STAR1607-214A2L2800S(T1=20)	20	1607-204-31-2800 (T1=20)	1651-214-20-D251
SIZE 25	2860	STAR1605-214A2L2860S(T1=20)	20	1605-204-31-2860 (T1=20)	1651-214-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 25	2860	STAR1607-214A2L2860S(T1=20)	20	1607-204-31-2860 (T1=20)	1651-214-20-D251
SIZE 25	2920	STAR1605-214A2L2920S(T1=20)	20	1605-204-31-2920 (T1=20)	1651-214-20-D251
SIZE 25	2920	STAR1607-214A2L2920S(T1=20)	20	1607-204-31-2920 (T1=20)	1651-214-20-D251
SIZE 25	2980	STAR1605-214A2L2980S(T1=20)	20	1605-204-31-2980 (T1=20)	1651-214-20-D251
SIZE 25	2980	STAR1607-214A2L2980S(T1=20)	20	1607-204-31-2980 (T1=20)	1651-214-20-D251
SIZE 25	3040	STAR1605-214A2L3040S(T1=20)	20	1605-204-31-3040 (T1=20)	1651-214-20-D251
SIZE 25	3040	STAR1607-214A2L3040S(T1=20)	20	1607-204-31-3040 (T1=20)	1651-214-20-D251
SIZE 25	3100	STAR1605-214A2L3100S(T1=20)	20	1605-204-31-3100 (T1=20)	1651-214-20-D251
SIZE 25	3100	STAR1607-214A2L3100S(T1=20)	20	1607-204-31-3100 (T1=20)	1651-214-20-D251
SIZE 25	3160	STAR1605-214A2L3160S(T1=20)	20	1605-204-31-3160 (T1=20)	1651-214-20-D251
SIZE 25	3160	STAR1607-214A2L3160S(T1=20)	20	1607-204-31-3160 (T1=20)	1651-214-20-D251
SIZE 25	3220	STAR1605-214A2L3220S(T1=20)	20	1605-204-31-3220 (T1=20)	1651-214-20-D251
SIZE 25	3220	STAR1607-214A2L3220S(T1=20)	20	1607-204-31-3220 (T1=20)	1651-214-20-D251
SIZE 25	3280	STAR1605-214A2L3280S(T1=20)	20	1605-204-31-3280 (T1=20)	1651-214-20-D251
SIZE 25	3280	STAR1607-214A2L3280S(T1=20)	20	1607-204-31-3280 (T1=20)	1651-214-20-D251
SIZE 25	3340	STAR1605-214A2L3340S(T1=20)	20	1605-204-31-3340 (T1=20)	1651-214-20-D251
SIZE 25	3340	STAR1607-214A2L3340S(T1=20)	20	1607-204-31-3340 (T1=20)	1651-214-20-D251
SIZE 25	3400	STAR1605-214A2L3400S(T1=20)	20	1605-204-31-3400 (T1=20)	1651-214-20-D251
SIZE 25	3400	STAR1607-214A2L3400S(T1=20)	20	1607-204-31-3400 (T1=20)	1651-214-20-D251
SIZE 25	3460	STAR1605-214A2L3460S(T1=20)	20	1605-204-31-3460 (T1=20)	1651-214-20-D251
SIZE 25	3460	STAR1607-214A2L3460S(T1=20)	20	1607-204-31-3460 (T1=20)	1651-214-20-D251
SIZE 25	3520	STAR1605-214A2L3520S(T1=20)	20	1605-204-31-3520 (T1=20)	1651-214-20-D251
SIZE 25	3520	STAR1607-214A2L3520S(T1=20)	20	1607-204-31-3520 (T1=20)	1651-214-20-D251
SIZE 25	3580	STAR1605-214A2L3580S(T1=20)	20	1605-204-31-3580 (T1=20)	1651-214-20-D251
SIZE 25	3580	STAR1607-214A2L3580S(T1=20)	20	1607-204-31-3580 (T1=20)	1651-214-20-D251
SIZE 25	3640	STAR1605-214A2L3640S(T1=20)	20	1605-204-31-3640 (T1=20)	1651-214-20-D251
SIZE 25	3640	STAR1607-214A2L3640S(T1=20)	20	1607-204-31-3640 (T1=20)	1651-214-20-D251
SIZE 25	3700	STAR1605-214A2L3700S(T1=20)	20	1605-204-31-3700 (T1=20)	1651-214-20-D251
SIZE 25	3700	STAR1607-214A2L3700S(T1=20)	20	1607-204-31-3700 (T1=20)	1651-214-20-D251
SIZE 25	3760	STAR1605-214A2L3760S(T1=20)	20	1605-204-31-3760 (T1=20)	1651-214-20-D251
SIZE 25	3760	STAR1607-214A2L3760S(T1=20)	20	1607-204-31-3760 (T1=20)	1651-214-20-D251
SIZE 25	3820	STAR1605-214A2L3820S(T1=20)	20	1605-204-31-3820 (T1=20)	1651-214-20-D251
SIZE 25	3820	STAR1607-214A2L3820S(T1=20)	20	1607-204-31-3820 (T1=20)	1651-214-20-D251
SIZE 25	3880	STAR1605-214A2L3880S(T1=20)	20	1605-204-31-3880 (T1=20)	1651-214-20-D251
SIZE 25	3880	STAR1607-214A2L3880S(T1=20)	20	1607-204-31-3880 (T1=20)	1651-214-20-D251
SIZE 25	3940	STAR1605-214A2L3940S(T1=20)	20	1605-204-31-3940 (T1=20)	1651-214-20-D251
SIZE 25	3940	STAR1607-214A2L3940S(T1=20)	20	1607-204-31-3940 (T1=20)	1651-214-20-D251
SIZE 25	4000	STAR1605-214A2L4000S(T1=20)	20	1605-204-31-4000 (T1=20)	1651-214-20-D251
SIZE 25	4000	STAR1607-214A2L4000S(T1=20)	20	1607-204-31-4000 (T1=20)	1651-214-20-D251
SIZE 35	360	STAR1605-314A2L360S(T1=20)	20	1605-304-31-360 (T1=20)	1651-314-20-D251
SIZE 35	360	STAR1607-314A2L360S(T1=20)	20	1607-304-31-360 (T1=20)	1651-314-20-D251
SIZE 35	360	STAR1605-314C2L360S(T1=20)	20	1605-304-31-360 (T1=20)	1622-314-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 35	360	STAR1607-314C2L360S(T1=20)	20	1607-304-31-360 (T1=20)	1622-314-20-D251
SIZE 35	440	STAR1605-314A2L440S(T1=20)	20	1605-304-31-440 (T1=20)	1651-314-20-D251
SIZE 35	440	STAR1607-314A2L440S(T1=20)	20	1607-304-31-440 (T1=20)	1651-314-20-D251
SIZE 35	440	STAR1605-314C2L440S(T1=20)	20	1605-304-31-440 (T1=20)	1622-314-20-D251
SIZE 35	440	STAR1607-314C2L440S(T1=20)	20	1607-304-31-440 (T1=20)	1622-314-20-D251
SIZE 35	520	STAR1605-314A2L520S(T1=20)	20	1605-304-31-520 (T1=20)	1651-314-20-D251
SIZE 35	520	STAR1607-314A2L520S(T1=20)	20	1607-304-31-520 (T1=20)	1651-314-20-D251
SIZE 35	520	STAR1605-314C2L520S(T1=20)	20	1605-304-31-520 (T1=20)	1622-314-20-D251
SIZE 35	520	STAR1607-314C2L520S(T1=20)	20	1607-304-31-520 (T1=20)	1622-314-20-D251
SIZE 35	600	STAR1605-314A2L600S(T1=20)	20	1605-304-31-600 (T1=20)	1651-314-20-D251
SIZE 35	600	STAR1607-314A2L600S(T1=20)	20	1607-304-31-600 (T1=20)	1651-314-20-D251
SIZE 35	600	STAR1605-314C2L600S(T1=20)	20	1605-304-31-600 (T1=20)	1622-314-20-D251
SIZE 35	600	STAR1607-314C2L600S(T1=20)	20	1607-304-31-600 (T1=20)	1622-314-20-D251
SIZE 35	680	STAR1605-314A2L680S(T1=20)	20	1605-304-31-680 (T1=20)	1651-314-20-D251
SIZE 35	680	STAR1607-314A2L680S(T1=20)	20	1607-304-31-680 (T1=20)	1651-314-20-D251
SIZE 35	680	STAR1605-314C2L680S(T1=20)	20	1605-304-31-680 (T1=20)	1622-314-20-D251
SIZE 35	680	STAR1607-314C2L680S(T1=20)	20	1607-304-31-680 (T1=20)	1622-314-20-D251
SIZE 35	760	STAR1605-314A2L760S(T1=20)	20	1605-304-31-760 (T1=20)	1651-314-20-D251
SIZE 35	760	STAR1607-314A2L760S(T1=20)	20	1607-304-31-760 (T1=20)	1651-314-20-D251
SIZE 35	760	STAR1605-314C2L760S(T1=20)	20	1605-304-31-760 (T1=20)	1622-314-20-D251
SIZE 35	760	STAR1607-314C2L760S(T1=20)	20	1607-304-31-760 (T1=20)	1622-314-20-D251
SIZE 35	840	STAR1605-314A2L840S(T1=20)	20	1605-304-31-840 (T1=20)	1651-314-20-D251
SIZE 35	840	STAR1607-314A2L840S(T1=20)	20	1607-304-31-840 (T1=20)	1651-314-20-D251
SIZE 35	840	STAR1605-314C2L840S(T1=20)	20	1605-304-31-840 (T1=20)	1622-314-20-D251
SIZE 35	840	STAR1607-314C2L840S(T1=20)	20	1607-304-31-840 (T1=20)	1622-314-20-D251
SIZE 35	920	STAR1605-314A2L920S(T1=20)	20	1605-304-31-920 (T1=20)	1651-314-20-D251
SIZE 35	920	STAR1607-314A2L920S(T1=20)	20	1607-304-31-920 (T1=20)	1651-314-20-D251
SIZE 35	920	STAR1605-314C2L920S(T1=20)	20	1605-304-31-920 (T1=20)	1622-314-20-D251
SIZE 35	920	STAR1607-314C2L920S(T1=20)	20	1607-304-31-920 (T1=20)	1622-314-20-D251
SIZE 35	1000	STAR1605-314A2L1000S(T1=20)	20	1605-304-31-1000 (T1=20)	1651-314-20-D251
SIZE 35	1000	STAR1607-314A2L1000S(T1=20)	20	1607-304-31-1000 (T1=20)	1651-314-20-D251
SIZE 35	1000	STAR1605-314C2L1000S(T1=20)	20	1605-304-31-1000 (T1=20)	1622-314-20-D251
SIZE 35	1000	STAR1607-314C2L1000S(T1=20)	20	1607-304-31-1000 (T1=20)	1622-314-20-D251
SIZE 35	1080	STAR1605-314A2L1080S(T1=20)	20	1605-304-31-1080 (T1=20)	1651-314-20-D251
SIZE 35	1080	STAR1607-314A2L1080S(T1=20)	20	1607-304-31-1080 (T1=20)	1651-314-20-D251
SIZE 35	1080	STAR1605-314C2L1080S(T1=20)	20	1605-304-31-1080 (T1=20)	1622-314-20-D251
SIZE 35	1080	STAR1607-314C2L1080S(T1=20)	20	1607-304-31-1080 (T1=20)	1622-314-20-D251
SIZE 35	1160	STAR1605-314A2L1160S(T1=20)	20	1605-304-31-1160 (T1=20)	1651-314-20-D251
SIZE 35	1160	STAR1607-314A2L1160S(T1=20)	20	1607-304-31-1160 (T1=20)	1651-314-20-D251
SIZE 35	1160	STAR1605-314C2L1160S(T1=20)	20	1605-304-31-1160 (T1=20)	1622-314-20-D251
SIZE 35	1160	STAR1607-314C2L1160S(T1=20)	20	1607-304-31-1160 (T1=20)	1622-314-20-D251
SIZE 35	1240	STAR1605-314A2L1240S(T1=20)	20	1605-304-31-1240 (T1=20)	1651-314-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 35	1240	STAR1607-314A2L1240S(T1=20)	20	1607-304-31-1240 (T1=20)	1651-314-20-D251
SIZE 35	1240	STAR1605-314C2L1240S(T1=20)	20	1605-304-31-1240 (T1=20)	1622-314-20-D251
SIZE 35	1240	STAR1607-314C2L1240S(T1=20)	20	1607-304-31-1240 (T1=20)	1622-314-20-D251
SIZE 35	1320	STAR1605-314A2L1320S(T1=20)	20	1605-304-31-1320 (T1=20)	1651-314-20-D251
SIZE 35	1320	STAR1607-314A2L1320S(T1=20)	20	1607-304-31-1320 (T1=20)	1651-314-20-D251
SIZE 35	1320	STAR1605-314C2L1320S(T1=20)	20	1605-304-31-1320 (T1=20)	1622-314-20-D251
SIZE 35	1320	STAR1607-314C2L1320S(T1=20)	20	1607-304-31-1320 (T1=20)	1622-314-20-D251
SIZE 35	1400	STAR1605-314A2L1400S(T1=20)	20	1605-304-31-1400 (T1=20)	1651-314-20-D251
SIZE 35	1400	STAR1607-314A2L1400S(T1=20)	20	1607-304-31-1400 (T1=20)	1651-314-20-D251
SIZE 35	1400	STAR1605-314C2L1400S(T1=20)	20	1605-304-31-1400 (T1=20)	1622-314-20-D251
SIZE 35	1400	STAR1607-314C2L1400S(T1=20)	20	1607-304-31-1400 (T1=20)	1622-314-20-D251
SIZE 35	1480	STAR1605-314A2L1480S(T1=20)	20	1605-304-31-1480 (T1=20)	1651-314-20-D251
SIZE 35	1480	STAR1607-314A2L1480S(T1=20)	20	1607-304-31-1480 (T1=20)	1651-314-20-D251
SIZE 35	1480	STAR1605-314C2L1480S(T1=20)	20	1605-304-31-1480 (T1=20)	1622-314-20-D251
SIZE 35	1480	STAR1607-314C2L1480S(T1=20)	20	1607-304-31-1480 (T1=20)	1622-314-20-D251
SIZE 35	1560	STAR1605-314A2L1560S(T1=20)	20	1605-304-31-1560 (T1=20)	1651-314-20-D251
SIZE 35	1560	STAR1607-314A2L1560S(T1=20)	20	1607-304-31-1560 (T1=20)	1651-314-20-D251
SIZE 35	1560	STAR1605-314C2L1560S(T1=20)	20	1605-304-31-1560 (T1=20)	1622-314-20-D251
SIZE 35	1560	STAR1607-314C2L1560S(T1=20)	20	1607-304-31-1560 (T1=20)	1622-314-20-D251
SIZE 35	1640	STAR1605-314A2L1640S(T1=20)	20	1605-304-31-1640 (T1=20)	1651-314-20-D251
SIZE 35	1640	STAR1607-314A2L1640S(T1=20)	20	1607-304-31-1640 (T1=20)	1651-314-20-D251
SIZE 35	1640	STAR1605-314C2L1640S(T1=20)	20	1605-304-31-1640 (T1=20)	1622-314-20-D251
SIZE 35	1640	STAR1607-314C2L1640S(T1=20)	20	1607-304-31-1640 (T1=20)	1622-314-20-D251
SIZE 35	1720	STAR1605-314A2L1720S(T1=20)	20	1605-304-31-1720 (T1=20)	1651-314-20-D251
SIZE 35	1720	STAR1607-314A2L1720S(T1=20)	20	1607-304-31-1720 (T1=20)	1651-314-20-D251
SIZE 35	1720	STAR1605-314C2L1720S(T1=20)	20	1605-304-31-1720 (T1=20)	1622-314-20-D251
SIZE 35	1720	STAR1607-314C2L1720S(T1=20)	20	1607-304-31-1720 (T1=20)	1622-314-20-D251
SIZE 35	1800	STAR1605-314A2L1800S(T1=20)	20	1605-304-31-1800 (T1=20)	1651-314-20-D251
SIZE 35	1800	STAR1607-314A2L1800S(T1=20)	20	1607-304-31-1800 (T1=20)	1651-314-20-D251
SIZE 35	1800	STAR1605-314C2L1800S(T1=20)	20	1605-304-31-1800 (T1=20)	1622-314-20-D251
SIZE 35	1800	STAR1607-314C2L1800S(T1=20)	20	1607-304-31-1800 (T1=20)	1622-314-20-D251
SIZE 35	1880	STAR1605-314A2L1880S(T1=20)	20	1605-304-31-1880 (T1=20)	1651-314-20-D251
SIZE 35	1880	STAR1607-314A2L1880S(T1=20)	20	1607-304-31-1880 (T1=20)	1651-314-20-D251
SIZE 35	1880	STAR1605-314C2L1880S(T1=20)	20	1605-304-31-1880 (T1=20)	1622-314-20-D251
SIZE 35	1880	STAR1607-314C2L1880S(T1=20)	20	1607-304-31-1880 (T1=20)	1622-314-20-D251
SIZE 35	1960	STAR1605-314A2L1960S(T1=20)	20	1605-304-31-1960 (T1=20)	1651-314-20-D251
SIZE 35	1960	STAR1607-314A2L1960S(T1=20)	20	1607-304-31-1960 (T1=20)	1651-314-20-D251
SIZE 35	1960	STAR1605-314C2L1960S(T1=20)	20	1605-304-31-1960 (T1=20)	1622-314-20-D251
SIZE 35	1960	STAR1607-314C2L1960S(T1=20)	20	1607-304-31-1960 (T1=20)	1622-314-20-D251
SIZE 35	2040	STAR1605-314A2L2040S(T1=20)	20	1605-304-31-2040 (T1=20)	1651-314-20-D251
SIZE 35	2040	STAR1607-314A2L2040S(T1=20)	20	1607-304-31-2040 (T1=20)	1651-314-20-D251
SIZE 35	2040	STAR1605-314C2L2040S(T1=20)	20	1605-304-31-2040 (T1=20)	1622-314-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL
 GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 35	2040	STAR1607-314C2L2040S(T1=20)	20	1607-304-31-2040 (T1=20)	1622-314-20-D251
SIZE 35	2120	STAR1605-314A2L2120S(T1=20)	20	1605-304-31-2120 (T1=20)	1651-314-20-D251
SIZE 35	2120	STAR1607-314A2L2120S(T1=20)	20	1607-304-31-2120 (T1=20)	1651-314-20-D251
SIZE 35	2120	STAR1605-314C2L2120S(T1=20)	20	1605-304-31-2120 (T1=20)	1622-314-20-D251
SIZE 35	2120	STAR1607-314C2L2120S(T1=20)	20	1607-304-31-2120 (T1=20)	1622-314-20-D251
SIZE 35	2200	STAR1605-314A2L2200S(T1=20)	20	1605-304-31-2200 (T1=20)	1651-314-20-D251
SIZE 35	2200	STAR1607-314A2L2200S(T1=20)	20	1607-304-31-2200 (T1=20)	1651-314-20-D251
SIZE 35	2200	STAR1605-314C2L2200S(T1=20)	20	1605-304-31-2200 (T1=20)	1622-314-20-D251
SIZE 35	2200	STAR1607-314C2L2200S(T1=20)	20	1607-304-31-2200 (T1=20)	1622-314-20-D251
SIZE 35	2280	STAR1605-314A2L2280S(T1=20)	20	1605-304-31-2280 (T1=20)	1651-314-20-D251
SIZE 35	2280	STAR1607-314A2L2280S(T1=20)	20	1607-304-31-2280 (T1=20)	1651-314-20-D251
SIZE 35	2280	STAR1605-314C2L2280S(T1=20)	20	1605-304-31-2280 (T1=20)	1622-314-20-D251
SIZE 35	2280	STAR1607-314C2L2280S(T1=20)	20	1607-304-31-2280 (T1=20)	1622-314-20-D251
SIZE 35	2360	STAR1605-314A2L2360S(T1=20)	20	1605-304-31-2360 (T1=20)	1651-314-20-D251
SIZE 35	2360	STAR1607-314A2L2360S(T1=20)	20	1607-304-31-2360 (T1=20)	1651-314-20-D251
SIZE 35	2360	STAR1605-314C2L2360S(T1=20)	20	1605-304-31-2360 (T1=20)	1622-314-20-D251
SIZE 35	2360	STAR1607-314C2L2360S(T1=20)	20	1607-304-31-2360 (T1=20)	1622-314-20-D251
SIZE 35	2440	STAR1605-314A2L2440S(T1=20)	20	1605-304-31-2440 (T1=20)	1651-314-20-D251
SIZE 35	2440	STAR1607-314A2L2440S(T1=20)	20	1607-304-31-2440 (T1=20)	1651-314-20-D251
SIZE 35	2440	STAR1605-314C2L2440S(T1=20)	20	1605-304-31-2440 (T1=20)	1622-314-20-D251
SIZE 35	2440	STAR1607-314C2L2440S(T1=20)	20	1607-304-31-2440 (T1=20)	1622-314-20-D251
SIZE 35	2520	STAR1605-314A2L2520S(T1=20)	20	1605-304-31-2520 (T1=20)	1651-314-20-D251
SIZE 35	2520	STAR1607-314A2L2520S(T1=20)	20	1607-304-31-2520 (T1=20)	1651-314-20-D251
SIZE 35	2520	STAR1605-314C2L2520S(T1=20)	20	1605-304-31-2520 (T1=20)	1622-314-20-D251
SIZE 35	2520	STAR1607-314C2L2520S(T1=20)	20	1607-304-31-2520 (T1=20)	1622-314-20-D251
SIZE 35	2600	STAR1605-314A2L2600S(T1=20)	20	1605-304-31-2600 (T1=20)	1651-314-20-D251
SIZE 35	2600	STAR1607-314A2L2600S(T1=20)	20	1607-304-31-2600 (T1=20)	1651-314-20-D251
SIZE 35	2600	STAR1605-314C2L2600S(T1=20)	20	1605-304-31-2600 (T1=20)	1622-314-20-D251
SIZE 35	2600	STAR1607-314C2L2600S(T1=20)	20	1607-304-31-2600 (T1=20)	1622-314-20-D251
SIZE 35	2680	STAR1605-314A2L2680S(T1=20)	20	1605-304-31-2680 (T1=20)	1651-314-20-D251
SIZE 35	2680	STAR1607-314A2L2680S(T1=20)	20	1607-304-31-2680 (T1=20)	1651-314-20-D251
SIZE 35	2680	STAR1605-314C2L2680S(T1=20)	20	1605-304-31-2680 (T1=20)	1622-314-20-D251
SIZE 35	2680	STAR1607-314C2L2680S(T1=20)	20	1607-304-31-2680 (T1=20)	1622-314-20-D251
SIZE 35	2760	STAR1605-314A2L2760S(T1=20)	20	1605-304-31-2760 (T1=20)	1651-314-20-D251
SIZE 35	2760	STAR1607-314A2L2760S(T1=20)	20	1607-304-31-2760 (T1=20)	1651-314-20-D251
SIZE 35	2760	STAR1605-314C2L2760S(T1=20)	20	1605-304-31-2760 (T1=20)	1622-314-20-D251
SIZE 35	2760	STAR1607-314C2L2760S(T1=20)	20	1607-304-31-2760 (T1=20)	1622-314-20-D251
SIZE 35	2840	STAR1605-314A2L2840S(T1=20)	20	1605-304-31-2840 (T1=20)	1651-314-20-D251
SIZE 35	2840	STAR1607-314A2L2840S(T1=20)	20	1607-304-31-2840 (T1=20)	1651-314-20-D251
SIZE 35	2840	STAR1605-314C2L2840S(T1=20)	20	1605-304-31-2840 (T1=20)	1622-314-20-D251
SIZE 35	2840	STAR1607-314C2L2840S(T1=20)	20	1607-304-31-2840 (T1=20)	1622-314-20-D251
SIZE 35	2920	STAR1605-314A2L2920S(T1=20)	20	1605-304-31-2920 (T1=20)	1651-314-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 35	2920	STAR1607-314A2L2920S(T1=20)	20	1607-304-31-2920 (T1=20)	1651-314-20-D251
SIZE 35	2920	STAR1605-314C2L2920S(T1=20)	20	1605-304-31-2920 (T1=20)	1622-314-20-D251
SIZE 35	2920	STAR1607-314C2L2920S(T1=20)	20	1607-304-31-2920 (T1=20)	1622-314-20-D251
SIZE 35	3000	STAR1605-314A2L3000S(T1=20)	20	1605-304-31-3000 (T1=20)	1651-314-20-D251
SIZE 35	3000	STAR1607-314A2L3000S(T1=20)	20	1607-304-31-3000 (T1=20)	1651-314-20-D251
SIZE 35	3000	STAR1605-314C2L3000S(T1=20)	20	1605-304-31-3000 (T1=20)	1622-314-20-D251
SIZE 35	3000	STAR1607-314C2L3000S(T1=20)	20	1607-304-31-3000 (T1=20)	1622-314-20-D251
SIZE 35	3080	STAR1605-314A2L3080S(T1=20)	20	1605-304-31-3080 (T1=20)	1651-314-20-D251
SIZE 35	3080	STAR1607-314A2L3080S(T1=20)	20	1607-304-31-3080 (T1=20)	1651-314-20-D251
SIZE 35	3080	STAR1605-314C2L3080S(T1=20)	20	1605-304-31-3080 (T1=20)	1622-314-20-D251
SIZE 35	3080	STAR1607-314C2L3080S(T1=20)	20	1607-304-31-3080 (T1=20)	1622-314-20-D251
SIZE 35	3160	STAR1605-314A2L3160S(T1=20)	20	1605-304-31-3160 (T1=20)	1651-314-20-D251
SIZE 35	3160	STAR1607-314A2L3160S(T1=20)	20	1607-304-31-3160 (T1=20)	1651-314-20-D251
SIZE 35	3160	STAR1605-314C2L3160S(T1=20)	20	1605-304-31-3160 (T1=20)	1622-314-20-D251
SIZE 35	3160	STAR1607-314C2L3160S(T1=20)	20	1607-304-31-3160 (T1=20)	1622-314-20-D251
SIZE 35	3240	STAR1605-314A2L3240S(T1=20)	20	1605-304-31-3240 (T1=20)	1651-314-20-D251
SIZE 35	3240	STAR1607-314A2L3240S(T1=20)	20	1607-304-31-3240 (T1=20)	1651-314-20-D251
SIZE 35	3240	STAR1605-314C2L3240S(T1=20)	20	1605-304-31-3240 (T1=20)	1622-314-20-D251
SIZE 35	3240	STAR1607-314C2L3240S(T1=20)	20	1607-304-31-3240 (T1=20)	1622-314-20-D251
SIZE 35	3320	STAR1605-314A2L3320S(T1=20)	20	1605-304-31-3320 (T1=20)	1651-314-20-D251
SIZE 35	3320	STAR1607-314A2L3320S(T1=20)	20	1607-304-31-3320 (T1=20)	1651-314-20-D251
SIZE 35	3320	STAR1605-314C2L3320S(T1=20)	20	1605-304-31-3320 (T1=20)	1622-314-20-D251
SIZE 35	3320	STAR1607-314C2L3320S(T1=20)	20	1607-304-31-3320 (T1=20)	1622-314-20-D251
SIZE 35	3400	STAR1605-314A2L3400S(T1=20)	20	1605-304-31-3400 (T1=20)	1651-314-20-D251
SIZE 35	3400	STAR1607-314A2L3400S(T1=20)	20	1607-304-31-3400 (T1=20)	1651-314-20-D251
SIZE 35	3400	STAR1605-314C2L3400S(T1=20)	20	1605-304-31-3400 (T1=20)	1622-314-20-D251
SIZE 35	3400	STAR1607-314C2L3400S(T1=20)	20	1607-304-31-3400 (T1=20)	1622-314-20-D251
SIZE 35	3480	STAR1605-314A2L3480S(T1=20)	20	1605-304-31-3480 (T1=20)	1651-314-20-D251
SIZE 35	3480	STAR1607-314A2L3480S(T1=20)	20	1607-304-31-3480 (T1=20)	1651-314-20-D251
SIZE 35	3480	STAR1605-314C2L3480S(T1=20)	20	1605-304-31-3480 (T1=20)	1622-314-20-D251
SIZE 35	3480	STAR1607-314C2L3480S(T1=20)	20	1607-304-31-3480 (T1=20)	1622-314-20-D251
SIZE 35	3560	STAR1605-314A2L3560S(T1=20)	20	1605-304-31-3560 (T1=20)	1651-314-20-D251
SIZE 35	3560	STAR1607-314A2L3560S(T1=20)	20	1607-304-31-3560 (T1=20)	1651-314-20-D251
SIZE 35	3560	STAR1605-314C2L3560S(T1=20)	20	1605-304-31-3560 (T1=20)	1622-314-20-D251
SIZE 35	3560	STAR1607-314C2L3560S(T1=20)	20	1607-304-31-3560 (T1=20)	1622-314-20-D251
SIZE 35	3640	STAR1605-314A2L3640S(T1=20)	20	1605-304-31-3640 (T1=20)	1651-314-20-D251
SIZE 35	3640	STAR1607-314A2L3640S(T1=20)	20	1607-304-31-3640 (T1=20)	1651-314-20-D251
SIZE 35	3640	STAR1605-314C2L3640S(T1=20)	20	1605-304-31-3640 (T1=20)	1622-314-20-D251
SIZE 35	3640	STAR1607-314C2L3640S(T1=20)	20	1607-304-31-3640 (T1=20)	1622-314-20-D251
SIZE 35	3720	STAR1605-314A2L3720S(T1=20)	20	1605-304-31-3720 (T1=20)	1651-314-20-D251
SIZE 35	3720	STAR1607-314A2L3720S(T1=20)	20	1607-304-31-3720 (T1=20)	1651-314-20-D251
SIZE 35	3720	STAR1605-314C2L3720S(T1=20)	20	1605-304-31-3720 (T1=20)	1622-314-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 35	3720	STAR1607-314C2L3720S(T1=20)	20	1607-304-31-3720 (T1=20)	1622-314-20-D251
SIZE 35	3800	STAR1605-314A2L3800S(T1=20)	20	1605-304-31-3800 (T1=20)	1651-314-20-D251
SIZE 35	3800	STAR1607-314A2L3800S(T1=20)	20	1607-304-31-3800 (T1=20)	1651-314-20-D251
SIZE 35	3800	STAR1605-314C2L3800S(T1=20)	20	1605-304-31-3800 (T1=20)	1622-314-20-D251
SIZE 35	3800	STAR1607-314C2L3800S(T1=20)	20	1607-304-31-3800 (T1=20)	1622-314-20-D251
SIZE 35	3880	STAR1605-314A2L3880S(T1=20)	20	1605-304-31-3880 (T1=20)	1651-314-20-D251
SIZE 35	3880	STAR1607-314A2L3880S(T1=20)	20	1607-304-31-3880 (T1=20)	1651-314-20-D251
SIZE 35	3880	STAR1605-314C2L3880S(T1=20)	20	1605-304-31-3880 (T1=20)	1622-314-20-D251
SIZE 35	3880	STAR1607-314C2L3880S(T1=20)	20	1607-304-31-3880 (T1=20)	1622-314-20-D251
SIZE 35	3960	STAR1605-314A2L3960S(T1=20)	20	1605-304-31-3960 (T1=20)	1651-314-20-D251
SIZE 35	3960	STAR1607-314A2L3960S(T1=20)	20	1607-304-31-3960 (T1=20)	1651-314-20-D251
SIZE 35	3960	STAR1605-314C2L3960S(T1=20)	20	1605-304-31-3960 (T1=20)	1622-314-20-D251
SIZE 35	3960	STAR1607-314C2L3960S(T1=20)	20	1607-304-31-3960 (T1=20)	1622-314-20-D251
SIZE 45	360	STAR1605-414C2L360S(T1=22.5)	22.5	1605-404-31-360 (T1=22.5)	1651-414-20-D251
SIZE 45	360	STAR1607-414C2L360S(T1=22.5)	22.5	1607-404-31-360 (T1=22.5)	1622-414-20-D251
SIZE 45	465	STAR1605-414C2L465S(T1=22.5)	22.5	1605-404-31-465 (T1=22.5)	1651-414-20-D251
SIZE 45	465	STAR1607-414C2L465S(T1=22.5)	22.5	1607-404-31-465 (T1=22.5)	1622-414-20-D251
SIZE 45	570	STAR1605-414A2L570S(T1=22.5)	22.5	1605-404-31-570 (T1=22.5)	1651-414-20-D251
SIZE 45	570	STAR1607-414A2L570S(T1=22.5)	22.5	1607-404-31-570 (T1=22.5)	1651-414-20-D251
SIZE 45	570	STAR1605-414C2L570S(T1=22.5)	22.5	1605-404-31-570 (T1=22.5)	1651-414-20-D251
SIZE 45	570	STAR1607-414C2L570S(T1=22.5)	22.5	1607-404-31-570 (T1=22.5)	1622-414-20-D251
SIZE 45	675	STAR1605-414A2L675S(T1=22.5)	22.5	1605-404-31-675 (T1=22.5)	1651-414-20-D251
SIZE 45	675	STAR1607-414A2L675S(T1=22.5)	22.5	1607-404-31-675 (T1=22.5)	1651-414-20-D251
SIZE 45	675	STAR1605-414C2L675S(T1=22.5)	22.5	1605-404-31-675 (T1=22.5)	1651-414-20-D251
SIZE 45	675	STAR1607-414C2L675S(T1=22.5)	22.5	1607-404-31-675 (T1=22.5)	1622-414-20-D251
SIZE 45	780	STAR1605-414A2L780S(T1=22.5)	22.5	1605-404-31-780 (T1=22.5)	1651-414-20-D251
SIZE 45	780	STAR1607-414A2L780S(T1=22.5)	22.5	1607-404-31-780 (T1=22.5)	1651-414-20-D251
SIZE 45	780	STAR1605-414C2L780S(T1=22.5)	22.5	1605-404-31-780 (T1=22.5)	1651-414-20-D251
SIZE 45	780	STAR1607-414C2L780S(T1=22.5)	22.5	1607-404-31-780 (T1=22.5)	1622-414-20-D251
SIZE 45	885	STAR1605-414A2L885S(T1=22.5)	22.5	1605-404-31-885 (T1=22.5)	1651-414-20-D251
SIZE 45	885	STAR1607-414A2L885S(T1=22.5)	22.5	1607-404-31-885 (T1=22.5)	1651-414-20-D251
SIZE 45	885	STAR1605-414C2L885S(T1=22.5)	22.5	1605-404-31-885 (T1=22.5)	1651-414-20-D251
SIZE 45	885	STAR1607-414C2L885S(T1=22.5)	22.5	1607-404-31-885 (T1=22.5)	1622-414-20-D251
SIZE 45	990	STAR1605-414A2L990S(T1=22.5)	22.5	1605-404-31-990 (T1=22.5)	1651-414-20-D251
SIZE 45	990	STAR1607-414A2L990S(T1=22.5)	22.5	1607-404-31-990 (T1=22.5)	1651-414-20-D251
SIZE 45	990	STAR1605-414C2L990S(T1=22.5)	22.5	1605-404-31-990 (T1=22.5)	1651-414-20-D251
SIZE 45	990	STAR1607-414C2L990S(T1=22.5)	22.5	1607-404-31-990 (T1=22.5)	1622-414-20-D251
SIZE 45	1095	STAR1605-414A2L1095S(T1=22.5)	22.5	1605-404-31-1095 (T1=22.5)	1651-414-20-D251
SIZE 45	1095	STAR1607-414A2L1095S(T1=22.5)	22.5	1607-404-31-1095 (T1=22.5)	1651-414-20-D251
SIZE 45	1095	STAR1605-414C2L1095S(T1=22.5)	22.5	1605-404-31-1095 (T1=22.5)	1651-414-20-D251
SIZE 45	1095	STAR1607-414C2L1095S(T1=22.5)	22.5	1607-404-31-1095 (T1=22.5)	1622-414-20-D251
SIZE 45	1200	STAR1605-414A2L1200S(T1=22.5)	22.5	1605-404-31-1200 (T1=22.5)	1651-414-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL

GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 45	1200	STAR1607-414A2L1200S(T1=22.5)	22.5	1607-404-31-1200 (T1=22.5)	1651-414-20-D251
SIZE 45	1200	STAR1605-414C2L1200S(T1=22.5)	22.5	1605-404-31-1200 (T1=22.5)	1651-414-20-D251
SIZE 45	1200	STAR1607-414C2L1200S(T1=22.5)	22.5	1607-404-31-1200 (T1=22.5)	1622-414-20-D251
SIZE 45	1305	STAR1605-414A2L1305S(T1=22.5)	22.5	1605-404-31-1305 (T1=22.5)	1651-414-20-D251
SIZE 45	1305	STAR1607-414A2L1305S(T1=22.5)	22.5	1607-404-31-1305 (T1=22.5)	1651-414-20-D251
SIZE 45	1305	STAR1605-414C2L1305S(T1=22.5)	22.5	1605-404-31-1305 (T1=22.5)	1651-414-20-D251
SIZE 45	1305	STAR1607-414C2L1305S(T1=22.5)	22.5	1607-404-31-1305 (T1=22.5)	1622-414-20-D251
SIZE 45	1410	STAR1605-414A2L1410S(T1=22.5)	22.5	1605-404-31-1410 (T1=22.5)	1651-414-20-D251
SIZE 45	1410	STAR1607-414A2L1410S(T1=22.5)	22.5	1607-404-31-1410 (T1=22.5)	1651-414-20-D251
SIZE 45	1410	STAR1605-414C2L1410S(T1=22.5)	22.5	1605-404-31-1410 (T1=22.5)	1651-414-20-D251
SIZE 45	1410	STAR1607-414C2L1410S(T1=22.5)	22.5	1607-404-31-1410 (T1=22.5)	1622-414-20-D251
SIZE 45	1515	STAR1605-414A2L1515S(T1=22.5)	22.5	1605-404-31-1515 (T1=22.5)	1651-414-20-D251
SIZE 45	1515	STAR1607-414A2L1515S(T1=22.5)	22.5	1607-404-31-1515 (T1=22.5)	1651-414-20-D251
SIZE 45	1515	STAR1605-414C2L1515S(T1=22.5)	22.5	1605-404-31-1515 (T1=22.5)	1651-414-20-D251
SIZE 45	1515	STAR1607-414C2L1515S(T1=22.5)	22.5	1607-404-31-1515 (T1=22.5)	1622-414-20-D251
SIZE 45	1620	STAR1605-414A2L1620S(T1=22.5)	22.5	1605-404-31-1620 (T1=22.5)	1651-414-20-D251
SIZE 45	1620	STAR1607-414A2L1620S(T1=22.5)	22.5	1607-404-31-1620 (T1=22.5)	1651-414-20-D251
SIZE 45	1620	STAR1605-414C2L1620S(T1=22.5)	22.5	1605-404-31-1620 (T1=22.5)	1651-414-20-D251
SIZE 45	1620	STAR1607-414C2L1620S(T1=22.5)	22.5	1607-404-31-1620 (T1=22.5)	1622-414-20-D251
SIZE 45	1725	STAR1605-414A2L1725S(T1=22.5)	22.5	1605-404-31-1725 (T1=22.5)	1651-414-20-D251
SIZE 45	1725	STAR1607-414A2L1725S(T1=22.5)	22.5	1607-404-31-1725 (T1=22.5)	1651-414-20-D251
SIZE 45	1725	STAR1605-414C2L1725S(T1=22.5)	22.5	1605-404-31-1725 (T1=22.5)	1651-414-20-D251
SIZE 45	1725	STAR1607-414C2L1725S(T1=22.5)	22.5	1607-404-31-1725 (T1=22.5)	1622-414-20-D251
SIZE 45	1830	STAR1605-414A2L1830S(T1=22.5)	22.5	1605-404-31-1830 (T1=22.5)	1651-414-20-D251
SIZE 45	1830	STAR1607-414A2L1830S(T1=22.5)	22.5	1607-404-31-1830 (T1=22.5)	1651-414-20-D251
SIZE 45	1830	STAR1605-414C2L1830S(T1=22.5)	22.5	1605-404-31-1830 (T1=22.5)	1651-414-20-D251
SIZE 45	1830	STAR1607-414C2L1830S(T1=22.5)	22.5	1607-404-31-1830 (T1=22.5)	1622-414-20-D251
SIZE 45	1935	STAR1605-414A2L1935S(T1=22.5)	22.5	1605-404-31-1935 (T1=22.5)	1651-414-20-D251
SIZE 45	1935	STAR1607-414A2L1935S(T1=22.5)	22.5	1607-404-31-1935 (T1=22.5)	1651-414-20-D251
SIZE 45	1935	STAR1605-414C2L1935S(T1=22.5)	22.5	1605-404-31-1935 (T1=22.5)	1651-414-20-D251
SIZE 45	1935	STAR1607-414C2L1935S(T1=22.5)	22.5	1607-404-31-1935 (T1=22.5)	1622-414-20-D251
SIZE 45	2040	STAR1605-414A2L2040S(T1=22.5)	22.5	1605-404-31-2040 (T1=22.5)	1651-414-20-D251
SIZE 45	2040	STAR1607-414A2L2040S(T1=22.5)	22.5	1607-404-31-2040 (T1=22.5)	1651-414-20-D251
SIZE 45	2040	STAR1605-414C2L2040S(T1=22.5)	22.5	1605-404-31-2040 (T1=22.5)	1651-414-20-D251
SIZE 45	2040	STAR1607-414C2L2040S(T1=22.5)	22.5	1607-404-31-2040 (T1=22.5)	1622-414-20-D251
SIZE 45	2145	STAR1605-414A2L2145S(T1=22.5)	22.5	1605-404-31-2145 (T1=22.5)	1651-414-20-D251
SIZE 45	2145	STAR1607-414A2L2145S(T1=22.5)	22.5	1607-404-31-2145 (T1=22.5)	1651-414-20-D251
SIZE 45	2145	STAR1605-414C2L2145S(T1=22.5)	22.5	1605-404-31-2145 (T1=22.5)	1651-414-20-D251
SIZE 45	2145	STAR1607-414C2L2145S(T1=22.5)	22.5	1607-404-31-2145 (T1=22.5)	1622-414-20-D251
SIZE 45	2250	STAR1605-414A2L2250S(T1=22.5)	22.5	1605-404-31-2250 (T1=22.5)	1651-414-20-D251
SIZE 45	2250	STAR1607-414A2L2250S(T1=22.5)	22.5	1607-404-31-2250 (T1=22.5)	1651-414-20-D251
SIZE 45	2250	STAR1605-414C2L2250S(T1=22.5)	22.5	1605-404-31-2250 (T1=22.5)	1651-414-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL
 GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 45	2250	STAR1607-414C2L2250S(T1=22.5)	22.5	1607-404-31-2250 (T1=22.5)	1622-414-20-D251
SIZE 45	2355	STAR1605-414A2L2355S(T1=22.5)	22.5	1605-404-31-2355 (T1=22.5)	1651-414-20-D251
SIZE 45	2355	STAR1607-414A2L2355S(T1=22.5)	22.5	1607-404-31-2355 (T1=22.5)	1651-414-20-D251
SIZE 45	2355	STAR1605-414C2L2355S(T1=22.5)	22.5	1605-404-31-2355 (T1=22.5)	1651-414-20-D251
SIZE 45	2355	STAR1607-414C2L2355S(T1=22.5)	22.5	1607-404-31-2355 (T1=22.5)	1622-414-20-D251
SIZE 45	2460	STAR1605-414A2L2460S(T1=22.5)	22.5	1605-404-31-2460 (T1=22.5)	1651-414-20-D251
SIZE 45	2460	STAR1607-414A2L2460S(T1=22.5)	22.5	1607-404-31-2460 (T1=22.5)	1651-414-20-D251
SIZE 45	2460	STAR1605-414C2L2460S(T1=22.5)	22.5	1605-404-31-2460 (T1=22.5)	1651-414-20-D251
SIZE 45	2460	STAR1607-414C2L2460S(T1=22.5)	22.5	1607-404-31-2460 (T1=22.5)	1622-414-20-D251
SIZE 45	2565	STAR1605-414A2L2565S(T1=22.5)	22.5	1605-404-31-2565 (T1=22.5)	1651-414-20-D251
SIZE 45	2565	STAR1607-414A2L2565S(T1=22.5)	22.5	1607-404-31-2565 (T1=22.5)	1651-414-20-D251
SIZE 45	2565	STAR1605-414C2L2565S(T1=22.5)	22.5	1605-404-31-2565 (T1=22.5)	1651-414-20-D251
SIZE 45	2565	STAR1607-414C2L2565S(T1=22.5)	22.5	1607-404-31-2565 (T1=22.5)	1622-414-20-D251
SIZE 45	2670	STAR1605-414A2L2670S(T1=22.5)	22.5	1605-404-31-2670 (T1=22.5)	1651-414-20-D251
SIZE 45	2670	STAR1607-414A2L2670S(T1=22.5)	22.5	1607-404-31-2670 (T1=22.5)	1651-414-20-D251
SIZE 45	2670	STAR1605-414C2L2670S(T1=22.5)	22.5	1605-404-31-2670 (T1=22.5)	1651-414-20-D251
SIZE 45	2670	STAR1607-414C2L2670S(T1=22.5)	22.5	1607-404-31-2670 (T1=22.5)	1622-414-20-D251
SIZE 45	2775	STAR1605-414A2L2775S(T1=22.5)	22.5	1605-404-31-2775 (T1=22.5)	1651-414-20-D251
SIZE 45	2775	STAR1607-414A2L2775S(T1=22.5)	22.5	1607-404-31-2775 (T1=22.5)	1651-414-20-D251
SIZE 45	2775	STAR1605-414C2L2775S(T1=22.5)	22.5	1605-404-31-2775 (T1=22.5)	1651-414-20-D251
SIZE 45	2775	STAR1607-414C2L2775S(T1=22.5)	22.5	1607-404-31-2775 (T1=22.5)	1622-414-20-D251
SIZE 45	2880	STAR1605-414A2L2880S(T1=22.5)	22.5	1605-404-31-2880 (T1=22.5)	1651-414-20-D251
SIZE 45	2880	STAR1607-414A2L2880S(T1=22.5)	22.5	1607-404-31-2880 (T1=22.5)	1651-414-20-D251
SIZE 45	2880	STAR1605-414C2L2880S(T1=22.5)	22.5	1605-404-31-2880 (T1=22.5)	1651-414-20-D251
SIZE 45	2880	STAR1607-414C2L2880S(T1=22.5)	22.5	1607-404-31-2880 (T1=22.5)	1622-414-20-D251
SIZE 45	2985	STAR1605-414A2L2985S(T1=22.5)	22.5	1605-404-31-2985 (T1=22.5)	1651-414-20-D251
SIZE 45	2985	STAR1607-414A2L2985S(T1=22.5)	22.5	1607-404-31-2985 (T1=22.5)	1651-414-20-D251
SIZE 45	2985	STAR1605-414C2L2985S(T1=22.5)	22.5	1605-404-31-2985 (T1=22.5)	1651-414-20-D251
SIZE 45	2985	STAR1607-414C2L2985S(T1=22.5)	22.5	1607-404-31-2985 (T1=22.5)	1622-414-20-D251
SIZE 45	3090	STAR1605-414A2L3090S(T1=22.5)	22.5	1605-404-31-3090 (T1=22.5)	1651-414-20-D251
SIZE 45	3090	STAR1607-414A2L3090S(T1=22.5)	22.5	1607-404-31-3090 (T1=22.5)	1651-414-20-D251
SIZE 45	3090	STAR1605-414C2L3090S(T1=22.5)	22.5	1605-404-31-3090 (T1=22.5)	1651-414-20-D251
SIZE 45	3090	STAR1607-414C2L3090S(T1=22.5)	22.5	1607-404-31-3090 (T1=22.5)	1622-414-20-D251
SIZE 45	3195	STAR1605-414A2L3195S(T1=22.5)	22.5	1605-404-31-3195 (T1=22.5)	1651-414-20-D251
SIZE 45	3195	STAR1607-414A2L3195S(T1=22.5)	22.5	1607-404-31-3195 (T1=22.5)	1651-414-20-D251
SIZE 45	3195	STAR1605-414C2L3195S(T1=22.5)	22.5	1605-404-31-3195 (T1=22.5)	1651-414-20-D251
SIZE 45	3195	STAR1607-414C2L3195S(T1=22.5)	22.5	1607-404-31-3195 (T1=22.5)	1622-414-20-D251
SIZE 45	3300	STAR1605-414A2L3300S(T1=22.5)	22.5	1605-404-31-3300 (T1=22.5)	1651-414-20-D251
SIZE 45	3300	STAR1607-414A2L3300S(T1=22.5)	22.5	1607-404-31-3300 (T1=22.5)	1651-414-20-D251
SIZE 45	3300	STAR1605-414C2L3300S(T1=22.5)	22.5	1605-404-31-3300 (T1=22.5)	1651-414-20-D251
SIZE 45	3300	STAR1607-414C2L3300S(T1=22.5)	22.5	1607-404-31-3300 (T1=22.5)	1622-414-20-D251
SIZE 45	3405	STAR1605-414A2L3405S(T1=22.5)	22.5	1605-404-31-3405 (T1=22.5)	1651-414-20-D251

MORRELL APPLICATION GUIDE: MECHANICAL
 GUIDE: 2005 GM NACCL LIST

Size	LEN (mm)	MORRELL KIT NUMBER	T1	RAIL PN	CARRIAGE PN W/SCRAPERS
SIZE 45	3405	STAR1607-414A2L3405S(T1=22.5)	22.5	1607-404-31-3405 (T1=22.5)	1651-414-20-D251
SIZE 45	3405	STAR1605-414C2L3405S(T1=22.5)	22.5	1605-404-31-3405 (T1=22.5)	1651-414-20-D251
SIZE 45	3405	STAR1607-414C2L3405S(T1=22.5)	22.5	1607-404-31-3405 (T1=22.5)	1622-414-20-D251
SIZE 45	3510	STAR1605-414A2L3510S(T1=22.5)	22.5	1605-404-31-3510 (T1=22.5)	1651-414-20-D251
SIZE 45	3510	STAR1607-414A2L3510S(T1=22.5)	22.5	1607-404-31-3510 (T1=22.5)	1651-414-20-D251
SIZE 45	3510	STAR1605-414C2L3510S(T1=22.5)	22.5	1605-404-31-3510 (T1=22.5)	1651-414-20-D251
SIZE 45	3510	STAR1607-414C2L3510S(T1=22.5)	22.5	1607-404-31-3510 (T1=22.5)	1622-414-20-D251
SIZE 45	3615	STAR1605-414A2L3615S(T1=22.5)	22.5	1605-404-31-3615 (T1=22.5)	1651-414-20-D251
SIZE 45	3615	STAR1607-414A2L3615S(T1=22.5)	22.5	1607-404-31-3615 (T1=22.5)	1651-414-20-D251
SIZE 45	3615	STAR1605-414C2L3615S(T1=22.5)	22.5	1605-404-31-3615 (T1=22.5)	1651-414-20-D251
SIZE 45	3615	STAR1607-414C2L3615S(T1=22.5)	22.5	1607-404-31-3615 (T1=22.5)	1622-414-20-D251
SIZE 45	3720	STAR1605-414A2L3720S(T1=22.5)	22.5	1605-404-31-3720 (T1=22.5)	1651-414-20-D251
SIZE 45	3720	STAR1607-414A2L3720S(T1=22.5)	22.5	1607-404-31-3720 (T1=22.5)	1651-414-20-D251
SIZE 45	3720	STAR1605-414C2L3720S(T1=22.5)	22.5	1605-404-31-3720 (T1=22.5)	1651-414-20-D251
SIZE 45	3720	STAR1607-414C2L3720S(T1=22.5)	22.5	1607-404-31-3720 (T1=22.5)	1622-414-20-D251
SIZE 45	3825	STAR1605-414A2L3825S(T1=22.5)	22.5	1605-404-31-3825 (T1=22.5)	1651-414-20-D251
SIZE 45	3825	STAR1607-414A2L3825S(T1=22.5)	22.5	1607-404-31-3825 (T1=22.5)	1651-414-20-D251
SIZE 45	3825	STAR1605-414C2L3825S(T1=22.5)	22.5	1605-404-31-3825 (T1=22.5)	1651-414-20-D251
SIZE 45	3825	STAR1607-414C2L3825S(T1=22.5)	22.5	1607-404-31-3825 (T1=22.5)	1622-414-20-D251
SIZE 45	3930	STAR1605-414A2L3930S(T1=22.5)	22.5	1605-404-31-3930 (T1=22.5)	1651-414-20-D251
SIZE 45	3930	STAR1607-414A2L3930S(T1=22.5)	22.5	1607-404-31-3930 (T1=22.5)	1651-414-20-D251
SIZE 45	3930	STAR1605-414C2L3930S(T1=22.5)	22.5	1605-404-31-3930 (T1=22.5)	1651-414-20-D251
SIZE 45	3930	STAR1607-414C2L3930S(T1=22.5)	22.5	1607-404-31-3930 (T1=22.5)	1622-414-20-D251
SIZE 45	360	STAR1605-414A2L360S(T1=22.5)	22.5	1605-404-31-360 (T1=22.5)	1651-414-20-D251
SIZE 45	360	STAR1607-414A2L360S(T1=22.5)	22.5	1607-404-31-360 (T1=22.5)	1651-414-20-D251
SIZE 45	465	STAR1605-414A2L465S(T1=22.5)	22.5	1605-404-31-465 (T1=22.5)	1651-414-20-D251
SIZE 45	465	STAR1607-414A2L465S(T1=22.5)	22.5	1607-404-31-465 (T1=22.5)	1651-414-20-D251