EATON

Powering Business Worldwide

NoSPIN®

Heavy Duty Application List

July 2010

(January 2004)

DANA

Single Rear Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines		NoSpin Model Number (1)
70HD, 70-2U					
	4.10 & down gear ratios	1.50”	35	(3)	225SL-58B
	4.56 & up gear ratios			(3)	225SL-58A
80	4.10 & up gear ratios	1.62”	37		225SL-105A
		1.50”	35		225SL-131A
D135-S		1.55”	36		250S-99
F155-S		1.55”	36		250S-98
F170-S		1.55”	36		250S-98
G155-T		1.55”	36		275S-26
G175-S, T, D		1.55”	36		275S-26
G185-S, D, G190-S		2.00”	39		275S-32
J175-S		1.85”	36		306S-99
J190-S, J210-S, J380-S		2.00”	39		306S-98
J220-S		2.10”	41		306S-100
M185-S, M190-S, T, D		2.00”	39		306S-101
M210-T		2.00”	39		306S-101
M220-S, T, D, M230-T		2.10”	41		306S-117
N175-S		1.85”	36		306S-99
N190-S, N210-S		2.00”	39		306S-98
S135-S/150-S, 4.63-5.38 gear ratios		1.85”	36		250S-166
NS/230-S/NS		2.35”	46		350S-106
W230-S		2.35”	46		350S-73
15131		1.75”	34		250S-100
16131		1.85”	36		250S-109
17060 S/A, 19060 S/A/T		2.00”	39		275S-63
17131/431		2.00”	39		306S-108
21060 S/A, 22060 S/A		2.10”	41		275S-66
21065T, 22065T		2.10”	41		306S-109
21080 S, 22080 S, 23080 S		2.31”	36		350S-86
21090 S/A, 23090 S/A		2.31”	36		350S-86
21131/431, 22131/431		2.10”	41		306S-109
23080T, 26080T		2.31”	36		350S-88
23105 S/A		2.31”	36		350S-50
23131/431		2.31”	36		306S-110
S-260-SB		2.31”	36		306S-110
26090 S/A		2.31”	36		306S-110
26105 S/A		2.31”	39		350S-40
26131/431		2.31”	36		306S-110
30105S		2.50”	39		350S-40
30131/431		2.31”	36		350S-88

Tandem Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines		NoSpin Model Number (1)
S135, S150, 4.63-5.38 gear ratios		1.85”	36		250S-166
S230		2.35”	46		350S-106
G340-S, J340-S, N340-S		2.00”	39		306S-98
G380-S, J380-S, G400-S, J400-S, N-400-S, S400-S W440/460-S, (M460-S),		2.10”	41		306S-100
W230-S/TR-4670		2.35”	46		350S-73
DS/A 344		2.00”	39		275S-63
DS 400, DT 401, 451		2.13”	33		306S-56
D/T 403, DS/A 404, 405, DSS 40		2.10”	41		275S-66
DP/T 402, 4026, 451		2.10”	41		306S-109
DS/A 454		2.10”	41		275S-66
DT460		2.31”	36		306S-110
		2.30”	22		306S-39
DS 461 462, 463, 521, 581		2.31”	36		350S-47
DP/T 461, 463, 521, 580, 601, 650, 651		2.31”	36		350S-88

Planetary Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines		NoSpin Model Number (1)
19060P		2.00”	39		276S-63
21065P, 22065P		2.10”	41		306S-109
23080P, 26080P, 30055P, 35055P		2.31”	36		350S-88
PR/PS-1200		1.64”	10		250S-34
		1.64”	32		250S-12
PR/PS-1300, 1350, 33R/S40		1.85”	36		250S-99
PR-1800		1.75”	19		250S-20
PR/PS-7028		1.50”	35		225S-18
171, 19R		1.16”	13		187S-83
172, 22R		1.38”	8		187S-70
See notes on last page.					
12D/Sxxxx, 31R38 1230		1.67”	39		225S-102
14Txxx 1391		2.00”	39		250S-167
14F/D/S/Txxxx, 35R68 1390		2.00”	39		250S-67
15Dxxxx 1530		2.00”	39		275S-22
16D/F/S/Txxxx 1640		2.10”	42		306S-166
42R/F/S/Txxx		2.31”	27	(7)	306S-46
19D/Txxxx 1850		2.65”	52		350S-21
48R/Txxx		2.50”	49		350S-44
		2.70”	26		350S-46
		2.52”	24		350S-10
21Dxxx, 53Rxxx 2050 Conv. Dif.		2.65”	52		450S-133
L.S. dif.		2.65”	52		450S-126
PR 1300, 33R40, PS 1350, 33S40		1.85”	36		250S-99
PR/S-1200		1.64”	10		250S-34
PR-1800		1.75”	19		250S-20
PR/S-7028		1.50”	35		225S-18
Service Only					
D/DS-12/17xxx 1390		2.00”	39		250S-67
		1.93”	16		250S-14
D/DS-18/19xxx 1530		2.00”	39		275S-22
		2.06”	24		275S-17
D/DS-22/23xxx 1640		2.35”	46		306S-73
BD-71/91/101xxx		2.31”	27	(7)	306S-46
D/DS-13xxx 1230		1.67”	39		225S-48
D/DS-26/37xxx 1850		2.70”	26		350S-46
		2.52”	24		350S-10
D/DS-34/75xxx 2050		2.70”	26		450S-125
Conv. dif.		2.65”	52		450S-133
L.S. dif.		2.65”	52		450S-126
D/DS-64/85xxx2500		3.20”	63		550S-34
D60/65/66,31R/27R		1.59”	10		250S-86
D80/85		1.93”	16		250S-79
D90, 39R		2.08”	24		306S-72
D100		2.22”	26		350S-43

DEERE

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
Series 1	444/A/B/C/D, 544A, 644A	2.06”	18	306S-60
Series 2	544/B/C/D, 740, 762	2.08”	32	306S-61
Series 3	644/B/C/D,	2.30”	22	306S-62
	646 C	2.05”	22	306S-148
1100/1200		1.50”	23	225S-80
1200	544E Front	2.06”	18	306S-167
1400	624/644E Front	2.33”	22	306S-149
1600	744E Front	2.33”	22	306S-173

EATON

Single Rear Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
13101, 13107, 13802, 15040S/T/P		1.75”	34	250S-100
15101, 15107, 15201		1.87”	16	250S-37
15301		1.75”	19	250S-20
16120, 16121, 16221, 16244		1.85”	36	250S-109
16344		1.88”	16 (a)	250S-44
		1.88”	16 (b)	250S-45
(a) tapered spline (b) parallel spline				
16247		1.80”	30	250S-39
17060, 19060		2.00”	39	275S-63
17101, 17121, 17201, 17221,		2.00”	39	306S-108
17301, 17321, 17401*, 17421*		1.98”	16	306S-21
17201 (Mack)		2.12”	33	306S-56
18101, 18121, 18201, 18221,		2.10”	41	306S-109
18301		2.12”	16	306S-23
18127 (Mack)		2.12”	33	306S-53
185 S4/P4, 190 S4/T4/P4		2.00”	39	306S-108
19050 S/T/P		1.85”	36	275S-51
19055 S/T/P		2.00”	39	306S-108
19060S		2.00”	39	2755-63
19101, 19121, 19201		2.31”	36	306S-110
		2.30”	22	306S-39
21060 S/D/A		2.10”	41	275S-66
21065 S/D/T/P, 21121, 21221, 21321		2.10”	41	306S-109
21080 S		2.31”	36	350S-86
22060 S		2.10”	41	275S-66
22065 T		2.10”	41	306S-109
220 S4/P4, 22065 S/D/T/P,		2.10”	41	306S-109
22080 S		2.31”	36	350S-86
22121, 22221, 22321		2.12”	16	306S-23
23070 S/D		2.31”	36	350S-86
23070 T/P		2.12”	33	306S-56
23080 S		2.31”	36	350S-86
23080 T		2.31”	36	350S-88
23085 S/D		2.31”	36	350S-86
23070S, 23085 T/P		2.31”	36	350S-88
23105 S/D		2.50”	39	350S-40
(1996 & newer)		2.31”	36	350S-50
230 S4, 23121, 23421		2.31”	36	350S-47
		2.30”	22	350S-39
230 P4/T4, 23221, 23321		2.31”	36	306S-110
		2.30”	22	306S-39
E2300 S		2.50”	39	350S-40
25100		2.50”	39	350S-40
		2.31”	36	350S-47
		2.30”	22	350S-19
26080 T		2.31”	36	350S-88
260 S4, 26121		2.30”	36	350S-47
		2.30”	22	350S-39
260 P4, 26085, 26221, 26321		2.31”	36	306S-110
		2.30”	22	306S-39
26105 S/C		2.50”	39	350S-40
260 S4, 26121		2.31”	36	350S-47
		2.30”	22	350S-39
30055-P		2.31”	36	350S-88
30105 S/C, 30127		2.50”	39	350S-40
30227, 30327		2.5	39	See Note (4)
35055-P		2.31”	36	350S-88
35327		2.50”	39	See Note (4)

*Requires case change: Use conventional differential case assembly.

Tandem Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
34 RT		2.00”	39	306S-108
		2.00”	16	306S-21
34 DS/T, DP/S/T, 340, 341, 346,		2.00”	39	306S-108
DS/T/P 3416		2.00”	16	306S-21
DS/C/T/P-341		2.00”	39	306S-108
DS/A-344		2.00”	39	275S-63
38 DP/S/T, DP/S/T, 380, 381,		2.10”	41	306S-109
4026, 381, 386		2.12”	16	306S-23
DS/C/T/P 402, DS/T/P 4036		2.10”	41	306S-109
DS/P/T 400, 401, 406		2.13”	33	306S-56
42 DP		2.12”	16	306S-23
44 DT/P 440, 446		2.31”	36	306S-110
		2.30”	22	306S-39
DS 404/454		2.10”	41	275S-66
DS/C/T/P 451		2.10”	41	306S-109
		2.13”	33	306S-56
DS/T/P 460, 466		2.31”	36	306S-110
DS/C 461, DS 4616		2.31”	36	350S-47
DT/P 461, 4616		2.31”	36	350S-88
DS-466		2.31”	36	306S-110
DS-480, 486		2.31”	36	350S-47
		2.30”	22	350S-39
DT/P 480		2.31”	36	306S-110
		2.30”	22	306S-39
DT/P 485		2.31”	36 (6)	350S-71
50 DP		2.13”	33	306S-56
DS 520		2.50”	39	350S-40
DT/P 520		2.50”	39	See Note (4)
DS/C 521, DS 5216		2.31”	36	350S-47
DT/P 521, 5216		2.31”	36	350S-88
DP 580, 586		2.50”	39	See Note (4)
DS/C 581		2.31”	36	350S-47
DP 581, 601, 651, 652		2.31”	36	350S-88
DP 650, 656		2.50”	39	See Note (4)

Planetary Axles

Axle Description	Carrier		Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
WR 3, 5	13100		1.75”	34	250S-100
WR 7	16100	Front	1.85”	36	250S-109
		Rear	2.10”	41	306S-109
WR 10	DS402	Front	2.10”	41	306S-109
	21065	Rear	2.10”	41	306S-109
WR 12	23070		2.12”	33	306S-56
WR 31	13000		1.87”	16	250S-37
WR 51	15000		1.75”	19	250S-20
			1.87”	16	250S-37
WR 61	17000		1.87”	16	306S-119
WR 81	18000		2.12”	16	306S-23

CHEVROLET/GMC

Single Rear Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
C100	Rockwell	1.62”	32	225S-52
		1.62”	16	225S-15
H110	12-1/4” dia. r.g.	1.75”	27	250S-27
H135	13-7/32” dia. r.g.	1.87”	29	250S-46
H150		1.87”	29	250S-46
H170		1.87”	29	250S-46
H175		2.00”	39	306S-79
T150		1.87”	29	275S-12
T170		1.87”	29	275S-12
T175	Eaton 16244	1.85”	36	250S-109
T185		1.87”	29	275S-12

See notes on last page.

INTERNATIONAL

Single Rear Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
14Axx				
CA CD DC DD DG DH DK DW DY NA	I-N190,210	2.00”	39	306S-98
CE CG DB DL DM DV DX GD	I-N175	1.85”	36	306S-99
CB CC DN DP	D-S100,122 135,150	1.85”	36	250SL-166
CH DZ	D-W230	2.35”	46	350S-73
CJ EB EJ GH GL GS	D-23090	2.31”	36	350S-86
DA DE DJ	D-F155	1.85”	36	250S-98
DR	I-S230	2.35”	46	350S-106
DT	D-N220	2.10”	41	306S-100
DW DY	D-J210, I-N190	1.86”	36	306S-98
EE GB	E-22065,23080	2.10”	41	306S-109
EG	E-26105	2.31”	36	306S-110
EH	E-19055	2.00”	39	306S-108
EP GK	E-30105	2.50”	39	350S-40
ET EY GG GP	D-21060,22060	2.10”	41	275S-66
GA GE GM GN GT	D-19060 17060	2.01”	39	275S-63
RA RG SR SU	R-R S21145	2.10”	41	275S-43
RH SZ TB	R-RS18145,19145	2.00”	39	275S-44
RB RC RD RE RK RR RS RV SE SG SH SK SM SN SP SX SY	R-RS23160 23161, 21162	2.35”	46	350S-81
14Cxx				
DA	D-G155	1.85”	36	250S-98
DB DC	D-M230	2.10”	41	306S-117
DD	D-G175	1.85”	36	275S-26
DE DG EH EJ EK EL ES ET EU	26080 23080	2.10”	41	306S-109
EA	E-23070	2.31	36	350S-86
EB	E-26085	2.31”	36	306S-110
EG EP EV	D-19055	2.00”	39	306S-108
EM EN ER	R-RS23240	2.10”	41	306S-124
VA	R-RS19224/220	1.85”	36	275S-37
VB	R-RS21230	2.00”	39	306S-127
14Exx				
EB	E-26085	2.31”	36	306S-110
RA RB	R-RS26/30380	2.35”	46	350S-93
RC	R-RS38380	2.55”	50	350S-79
140xx, 14xxx				
29 39	D-F155/170	1.85”	36	250S-98
30	D-D135	1.85”	36	250S-99
32	D-G190	2.00”	39	275S-32
33 132	D-M220/230	2.10”	41	306S-117
36 44	D-J210/190	2.00”	39	306S-98
42	D-J175	1.85”	36	306S-99
47	D-J220	2.05”	41	306S-100
51 52	R-RS23160	2.35”	46	350S-81
57	D-W230	2.35”	46	350S-73
72 73 92	R-RS170	2.35”	46	350S-57
77 91	E-23121/26121	2.31”	36	350S-47
97	231055SL	2.50”	39	350S-40
87 186	E17101/202	2.00”	39	306S-108
88 193 194 197 282 293	E-19/23/26 xxx	2.31”	36	306S-110
118 119 192 292	E-17/18/22 xxx	2.10”	41	306S-109
130	D-G175	1.85”	36	275S-26
131 133	D-M190/210	2.00”	39	306S-101
168 178 277	R-RS R/U xxx	2.38”	24	350S-13
187	E-15201	1.75”	34	250S-100
199	E-16244	1.85”	36	250S-109
298	E-35327	2.50”	39	306S-96

D=Dana/Spicer E=Eaton I=Int’l. R=Rockwell/Meritor

Tandem Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
14Gxx				
DA	I-N340	2.00”	39	306S-98
DC DE DG	DKI-N400, D-S400	2.10”	41	306S-100
DL DM EL EN JD/E rear	D-DP/S402/7, DST41	2.10”	41	306S-109
EB EH GE GP GT GW GZ HZ	D-DC/S461/2/3/521/540	2.31”	36	350S-47
EC ED EW EY GU GV	D-DT 461/3/521, Dp463	2.31”	36	350S-88
EE	E-DS 466	2.31”	36	350S-110
EP ER ES ET EX GG GJ GL HA HC JC JD/E front	D-DS404/5/54 DSH 44, DST 41	2.10”	41	275S-66
HD	D-DS344	2.00”	39	275S-63
RA RX	R-RT34140/145	2.00”	39	275S-44
RB RC RU RW RY SB SG SX TK TL UD UN UP	R-RT40140/5 44145, 34144	2.10”	41	275S-43
RD RE/RG/RH rear RP RR SC SD SE SU TA TG TM TN UE UM	R-RT23/48/52/ 58180, 46/52160	2.35”	46	350S-81
RE/RG/RH front RJ RL RV ST	R-RT48/52/58180, 52/58380	2.35”	46	350S-93
RK RM	R-RT70380	2.55”	50	350S-79
SY TV	R-RQ100, RC17350	2.10”	41	306S-15
TE TY TZ UG UH UJ	R-RS23/46157/8, 44158	2.35”	46	350S-57
UB	R-RS23240	2.10”	41	306S-124
VA	D-BD71000	2.36”	27	306S-46
14Hxx				
RA RB RC RD RE RH RJ RL RM	R-RT 46160/4	2.35”	46	350S-81
RN RP	R-RT40145	2.10”	41	275S-43
14xxx				
307, 467	E-DS 480, 44DS	2.31”	36	350S-47
308, 309, 494, 496, 497	E-DS/DT 402, D 301	2.10”	41	306S-109
328	R-SLHD	2.00”	21	306S-11
333, 334	R-SQHD	2.13”	22	306S-12
337, 369, 431	R-SU270/DD, R170	2.35”	46	350S-57
341	D-FIXX	1.85”	36	250S-98
342	E-DT401	2.13”	33	306S-56
343, 353, 354, 377, 469	E-DP/S/T460, 44DP	2.31”	36	306S-110
345, 350, 357, 434	R-SQ100, SQHP	2.10”	41	306S-15
351, 475, 476	D-G/J340/380	2.00”	39	306S-98
355, 472*	D-G380, J400	2.10”	41	306S-100
364, 365, 389, 399, 431, 459	R-SUD/DD SS/STHD, R170	2.35”	46	350S-57
367, 368	R-STD/DD	2.35”	46	350S-55
372, 373, 382, 383	R-SFD/DD	2.55”	50	350S-79
437, 474*	D-W230/460	2.35”	46	350S-73
464, 502	E-DS401/451	2.13”	33	306S-56
472*	D-J400	2.13”	20	306S-19
474*	D-W460	2.30”	22	350S-72
486, 500	E-DP580/650	2.50”	39	306S-44
488, 493, 498	E=DS/T341	2.00”	39	306S-108

Planetary Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
14Exx				
EC ED	E-3505SP	2.31”	36	350S-88
EH	E-26080P	2.10”	41	306S-109
RA RB	RS-26380,30380	2.35”	46	350S-93
RC	Rs38380	2.50”	50	350S-79

* Count splines to determine correct NoSPIN model. D=Dana/Spicer E=Eaton I=Int’l. R=Rockwell/Meritor See notes on last page.

MERITOR

Single Rear Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
RS-13/15-120		1.75”	34	250S-134
3.31-4.30 ratio				
4.56-7.17 ratio		1.95”	38	250S-128
RS-15/17/19-220/224		1.85”	36	275S-37
RS-17/19-144		2.10”	41	275S-43
RS-17/19-145		2.00”	39	275S-44
RS-19-220/224		1.85”	36	275S-37
RS-21-145		2.10”	41	275S-43
RS-21/23-160/160A/161/186		2.35”	46	350S-81
RS-21-230		2.00”	39	306S-127
RS-23-240		2.10”	41	306S-124
RS-23/26/30-380		2.35”	46	350S-93
RS-25/26-160/160A/185		2.35”	46	350S-81
RS-38-380		2.55”	50	350S-79
C-100, 102, 200		1.62”	32	225S-52
		1.62”	16	225S-15
D-100, 140		1.75”	34	250S-97
		1.75”	19	250S-13
		1.75”	16	250S-32
F-106, 140, 146		1.75”	34	250S-97
		1.75”	19	250S-13
FM-240		2.13”	22	306S-12
H-140, 145, 340		1.88”	20	275S-11
H-140E		2.25”	44	306S-136
H-162		2.00”	21	306S-11
H-170, 171		1.85”	36	275S-10
H-172, 173		2.00”	39	306S-79
L-145, 155		2.00”	21	306S-11
L-164		1.88”	20	276S-11
L-172		2.00”	39	306S-79
L-245, 345		2.00”	21	306S-25
L-362		2.00”	21	306S-25
M-172		2.00”	39	306S-79
M/FM-240		2.12”	16	306S-36
M/MD-240		2.13”	22	306S-12
P-140E		2.25”	44	306S-136
P-174		2.10”	41	306S-15
Q-100		2.10”	41	306S-15
Q-145		2.13”	22	306S-31
Q-345		2.13”	22	306S-38
R-140		2.25”	23	350S-25
R-140E		2.25”	44	306S-136
R-140, 155*, 200, 221, 255*, 270, 300, 355		2.38”	24	350S-13
R-355/356		2.35”	46	350S-57
R-170		2.38”	16	350S-29
		2.38”	24	350S-13
RL-170		2.35”	46	350S-57
		2.38”	24	350S-13
RS-13-120, 15-120/125		1.75”	34	250S-134
4.56-7.17 ratio		1.95”	38	250S-128
RS-15-210		1.75”	34	250S-139
RS-17-140		2.00”	39	275S-44
		1.85”	36	275S-46
RS-17-144, 145		2.00”	39	275S-44
RS-17-220		1.85”	36	275S-37
RS-18-140, 145		2.00”	39	275S-44
		1.85”	36	275S-46
RS-19-145		2.00”	39	275S-44
RS-19-220		1.85”	36	275S-37
RS-20-145		2.25'	44	306S-136
		2.10”	41	275S-43
RS-20-230		2.00”	39	306S-127
RS-21-145		2.10”	41	275S-43
RS-21-230		2.00”	39	306S-127
RS-23-160, 180		2.35”	46	350S-81
		2.55”	50	350S-76
RS-23-240		2.10”	41	306S-124
RS-23-380		2.35	46	350S-93
RS-25/26-160, 180		2.35”	46	350S-81
RS-26-380		2.35”	46	350S-93
RS-30-180		2.35”	46	350S-81
RS-30-380		2.35”	46	350S-93
RS-38-380		2.55”	50	350S-79
RS-410#		1.45”	29	225S-39A
S-162, 163		2.25”	23	350S-25
S-164, 165		2.38”	24	350S-13
S-170		2.35”	46	350S-57
		2.38”	24	350S-13
SL-100		2.00”	39	306S-79
SR-170		2.38”	24	350S-13
SW-170/180, 270/280		2.55”	50	350S-79
U-170, 180, 240, 340		2.38”	24	350S-13
U-270, 340		2.35”	46	350S-57
W/WP/WR-170		2.55”	50	350S-79
W-180, 270, 280		2.55”	50	350S-63
W-464		2.55”	50 (5)	350S-56
59732, 59733 (WT)		2.38”	16	350S-29
59742, 59743 (WT)		2.38”	24	350S-13
61142, 61143 (WT)		2.35”	46	350S-81

*Di Rona Mexico #Brazil See notes on last page.

Tandem Axles

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
RT-34/40-144/145/149		2.10”	41	275S-43
RT-40/46/50-160/164/169, RT-40/44-145		2.25”	44	306S-136
RT-48/50/52/58/70-185/380		2.35”	46	350S-93
RZ-166		2.35”	46	350S-81
RZ-186 front		2.35”	46	350S-93
rear		2.35”	46	350S-81
RZ-188		2.35”	46	350S-93
R-170/TKN 4670		2.35”	46	350S-57
		2.38”	24	350S-13
RT 34-140, 145		2.00”	39	275S-44
RT 46/48/52-160		2.55”	50	350S-76
		2.35”	46	350S-81
RT 48/52/58-180 front		2.35”	46	350S-93
rear		2.35”	46	350S-81
RT 48/52/58-380		2.35”	46	350S-93
RT 70-180		2.55”	50	350S-76
RT 70-380		2.55”	50	350S-79
SDH/SDHD		1.75”	16	250S-32
SFD (C-240)		1.62”	16	225S-15
SFD (M-240)		2.12”	16	306S-36
SFD/SFDD 4640, 47		2.55”	50 (5)	350S-56
		2.50”	16 (5)	350S-52
SFH/SFHD		1.75”	34	250S-97
		1.75”	19	250S-13
SHD, SHR		2.38”	24	350S-13
SHHD/SJHD		1.87”	20	275S-11
SLD/SLDD		2.00”	21	306S-11
		2.00”	16	306S-22
SL 100		2.00”	39	306S-79
SLHD		2.00”	21	306S-11
SLHR/T-3000		2.00”	21	306S-11
SQHD		2.13”	22	306S-12
		2.00”	21	306S-25
SQHP, SQ 100		2.10”	41	306S-15
SQR 100		2.10”	41	306S-15
SR 170, 270, 280		2.35”	46	350S-57
		2.38”	24	350S-13
SRD/SRDD		2.35”	46	306S-84
		2.25”	23	306S-35
SRHD		2.25”	23	306S-35
SSHD		2.35”	46	350S-57
		2.38”	24	350S-13
		2.25”	23	350S-25
ST 170		2.38”	24	350S-13
STD,STDD,STD-DD		2.35”	46	350S-55
		2.38”	24	350S-36
STHD		2.38”	46	350S-57
		2.38”	24	350S-13
SU 170, SUD/SUDD, SUHD		2.35”	46	350S-57
		2.38”	24	350S-13
SU 270, 280		2.35”	46	350S-57
		2.38”	24	350S-13
SW 170, 180, 270, 280		2.55”	50	350S-79
FLDD, LDD-240		2.13”	22	306S-12

Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
LDF		2.00”	21	306S-25
LDH/R		2.00”	21	306S-11
QHD/R		2.00”	21	306S-25
RDD/F/R		2.35”	46	306S-84
SHD/R		2.38	24	350S-13
		2.35”	46	350S-57
TDD/F/R		2.35”	46	350S-55
UDD/F/R		2.38”	24	350S-13
		2.35”	46	350S-57

Planetary Axles

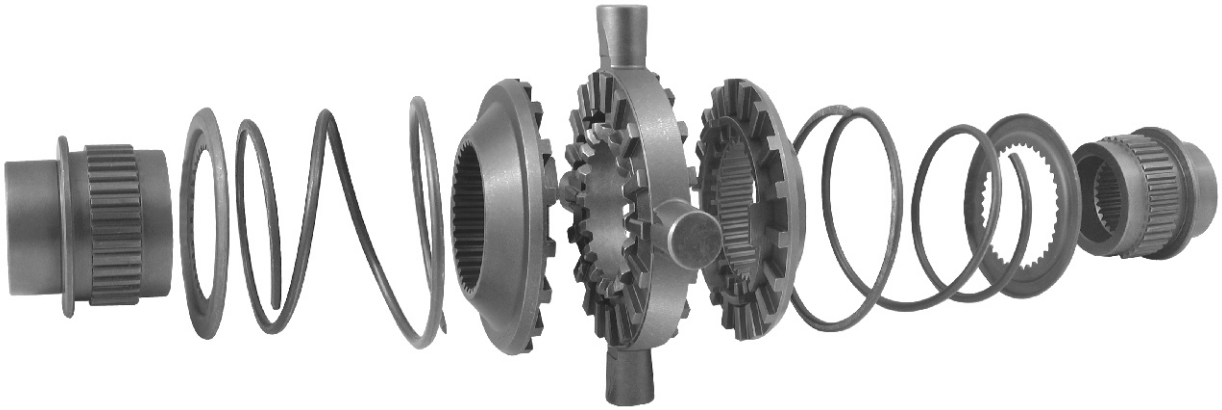
Axle Description	Carrier	Axle Shaft Dia. (2)	# Splines	NoSpin Model Number (1)
SINGLE – PR				
204/5, 265	D/F-140	1.75”	19	250S-13
184, 824	H-172	1.88”	20	306S-42
673	L-172	2.13”	22	306S-12
352/3, 382	PRA Series	1.60”	31	225S-122
1736	QR-100	2.10”	41	306S-15
867	R-155	2.13”	22	350S-15
3805, 4805	R-155	2.38”	24	350S-15
594, 671	RS-120/125	1.75”	34	250S-134
	RS-120/125	1.95”	38	250S-128
416, 425, 673 756, 775, 1314	RS-145	2.00”	39	275S-44
727, 866, 1206, 1735, 1756, 1794	RS-145	2.10”	41	275S-43
5225, 7534	RS-186	2.55”	50	350S-76
674	RS-220	1.85”	36	275S-44
134	53500	1.75”	16	250S-23
TANDEM-SP				
673	RT-145	2.00”	39	275S-44
1927	RT-160	2.35”	46	350S-81
4808	RT-380	2.55”	50	350S-79
1356, 1735	SQHP	2.10”	41	306S-15
1927	SR-170	2.38”	24	350S-15
STEER-PS				
205, 594	F-140	1.75”	19	250S-13
824/5	H-172	1.88”	20	306S-42
824/5	L-172	2.13”	22	306S-12
1614	Q-100	2.13”	22	3065-31
		2.10”	41	306S-92
1044, 1617, 1794	QR-100	2.10”	41	306S-15
1485, 1875, 4564	R-155	2.13”	22	350S-19
		2.38”	24	350S-15
205, 594	RS-120/125	1.75”	34	250S-134
	RS-120/125	1.95”	38	250S-128
826, 1044, 1614, 1794	RS-145	2.10”	41	275S-43
1876	RS-160	2.35”	46	350S-81
SVI 5000 series 717SV166		1.71”	33	
SINGLE PR, TANDEM SP, STEER PS				
134, 164, 267, 268	53500	1.75”	16	250S-23
274	C-100	1.62”	16	225S-15
203	C-102	1.65”	32	225N-52
165, 166, 175, 176, 204, 205#, 264, 265, 353, 354, 515, 524 574, 593, 594#, 595, 671#, 723, 724, 823	D-140/142 F-140/145	1.75”	19	250S-13
592, 596*, 614*, 672* 674, 824*, 863*, 1103*, 1374*	H-140/150/340	1.88”	20	275S-11
184, 577#, 596*, 614*, 672*, 694#, 726, 824*, 825#, 834, 863*, 1103*, 1374*	H-172	1.88”	20	306S-42
784, F106		1.77”	19	250S-13
576, 595, 671#,	HHD Front	1.88”	20	275S-11
1743, 1753	H-172 Rear	1.88”	20	306S-42

Planetary Axles

Axle Description	Carrier	Axle Shaft Dia.(2)	#Splines	NoSpin Model Number (1)
150#, 154#, 158#, 202, 235#, 483, 655, 673#, 695#, 825#, 864, 1104	L-172	2.13”	22	306S-12
577#, 615, 673#, 695#, 803, 855	L-172	2.00”	21	306S-11
362	L-172	2.00”	39	306S-79
673	L-345	2.00”	21	306S-11
150, 158#, 202, 235#, 413		2.00”	21	306S-25
5054, 7314#, 10253	PR-700	2.75”	54	450S-146
7314#	PR-700	2.63”	26	450S-129
1756#	Q-100	2.25”	23	306S-35
208, 209, 210 250, 251, 266 676, 804, 826, 1044, 1314, 1355, 1614#	Q-100/145	2.13”	22	306S-31
1614#	Q-100	2.10”	41	306S-92
827, 1044, 1105, 1284, 1357, 1617, 1736, 1794#	Q-100	2.10”	41	306S-15
207, 677, 827, 866, 867, 1315, 1485, 1615, 1725, 1757#	R-140/155	2.13”	22	350S-19
1757#, 1875, 1925, 1935, 3795, 3805, 4025, 4564, 4805	R-140/155	2.38”	24	350S-15
1045, 1737, 1757#	R-140/155	2.15”	23	350S-16
258#, 305#, 312#, 1927#, 3796, 4264, 4565, 4807, 4874	R-170	2.38”	24	350S-15
4824, 5814, 5095	R-170/180	2.45”	48	350S-75
677	R-355	2.38”	24	350S-15
205#, 265, 415, 454 594#, 671#	RS-120/125	1.75”	34	250S-134
755, 775	RS-125	1.95”	38	250S-128
416, 673#, 756#, 1314	RS-140/145	2.00”	39	275S-44
673#, 727, 826, 866, 867, 1044, 1105, 1614, 1735#, 1756, 1794	RS-145 RT-146	2.10”	41	275S-43
756#	RS-145	1.85”	36	275S-46
1876, 1927#	RS-160	2.35”	46	350S-81
5225, 7534, 10253	RS-180/185/186	2.55”	50	350S-76
674	RS-220	1.85”	36	275S-37
230	RS-230	2.00”	39	306S-127
4808#	RN-380	2.38”	24	350S-15
	RP/RT-380	2.55”	50	350S-79
	RR-380	2.35”	46	350S-93
258#, 305#, 311#, 1927#, 4806	SR-170 SPR-570	2.38”	24	350S-15
1356, 1357, 1616, 1735# 1736	SQHP, SQ-100	2.10”	41	306S-15
1926, 4026	SSHD SSHP	2.38”	24	350S-13
5324	WR-170	2.55”	50	350S-79

*May have either H-140 or H-172 carrier; check carrier to determine correct NoSPIN differential. #Produced with different axle shafts: count splines to determine correct NoSPIN differential.

NoSPIN®



NOTES

(1) 2xx, 3xx, and 4xx Models = NoSPIN / Detroit Locker brand automatic locking differential. The new "IMPROVED Detroit Locker", indicated by an "SL" in the model number (225SL-58B) provides smooth and quieter operation in the drive-coast mode. A dampening device has been inserted into the inboard end of each side gear.

A "letter" after the model indicates that a 2-piece support case assembly is supplied by Eaton with the differential. All other models (no letter) fit the 2-piece differential case supplied by the axle/vehicle maker. To install a NoSPIN differential model supplies without its own case in an axle which was originally supplied with Powr-Lok, Trac-Lok, Traction Equalizer or other locking or limited-slip differential, it will also be necessary to use the axle maker's conventional differential support case.

Bolts, bearings, shims and gaskets are not supplied by Eaton.

(2) The axle shaft diameter is the "major diameter" measured over the splines at the outer end of the shaft.
(3) Use 225S-18 assembly if two-piece case, use 225S-58A, B, C, D assembly if a one-piece case.
(4) Model 350S-85 required for conventional differential case, while Model 350S-67 required with special 113304 and 113305 differential case.
(5) If replacing conventional differential, modification of differential case is required. Call Eaton.
(6) Requires Eaton 113304 and 113305 differential case.
(7) A conventional 1640 differential case assembly, Clark part number 126952, must be used with 306S-46 differential assembly, as it cannot be retrofitted into the case assembly with needle bearings.

Several medium and heavy-duty axles were supplied with two or three axle shafts from time to time. This accounts for the listing of various NoSPIN differential models, with the latest listed first. Modification of our differentials of any kind may void your Limited warranty. Please refer to Eaton's Limited Warranty on the back of Owner's Manuals for complete guidelines. While this model list is believed to be accurate, we cannot guarantee there are no errors or omissions of the data. Customer is responsible to identify the correct Eaton differential for his particular application. NoSPIN, Detroit Locker, Truetrac and Suretrac are registered trademarks and Detroit LSD is a trademark of Eaton. Powr-Lok and Trac-Lok are trademarks of Dana Corporation. Traction Equalizer is a trademark of Meritor Automotive, Inc.

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