

TECHNICAL DATA CAPACITY CHARTS

JV100BE JV250 SMC-1

4" SIDE SLIDER SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	F.I.D. INCHES/mm	#22 0.642	#24 0.510	#26 0.403	#28 0.320	#30 0.254	#32 0.201	#34 0.160	#36 0.127	#38 0.100	#40 0.079	#42 0.063	SHUTTLE PULLEY	SLIDER
205.0005 4 X 3SS	.180" 4.57mm				9 2.7	15 4.5	25 7.6	38 11.5	55 16.7	90 27.4	140 42.6	224 68.2	210.1013 T210-12	K
205.0006 4 X 3S	.219" 5.56mm				15 4.5	30 9.1	45 13.7	75 22.8	100 30.4	190 57.9	300 91.4	485 147.8	210.1002 T210-6B	K
205.0008 4 X 3M	.250" 6.35mm			25 7.6	35 10.6	60 18.2	85 25.9	140 42.6	190 57.9	330 100.6	545 166.1	900 274.3	210.1002 T210-6B	J
205.0009 4 X 3	.300" 7.62mm			36 10.9	55 16.7	85 25.9	130 39.6	210 64.0	315 96.0	475 144.8	825 251.5	1250 381.0	210.1010 T211-2-1A	H
205.0010 4 X 4S	.350" 8.89mm			40 12.1	65 19.8	115 35.0	190 57.9	300 91.4	370 112.8	600 182.9	1000 304.8	1670 509.1	210.1010 T211-2-1A	H
205.0053 4 X 3L	.375" 9.52mm			85 25.9	125 38.1	220 67.0	375 114.3	550 167.6	800 243.9	1260 384.1	1800 548.7		210.1010 T211-2-1A	H
205.0012 4 X 4M	.437" 11.09mm			110 33.5	150 45.7	270 82.3	440 134.1	690 210.3	875 266.7	1430 435.9	2100 640.2		210.1010 T211-2-1A	H
205.0013 4 X 4	.500" 12.70mm	55 16.7	95 28.9	145 44.2	220 67.0	380 115.8	570 173.7	940 286.5	1225 373.4	1850 564.0	2800 853.6		210.1010 T211-2-1A	G

4" FLAT BELT HEAD / SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	F.I.D. INCHES/mm	#16 1.290	#18 1.023	#20 0.812	#22 0.642	#24 0.510	#26 0.403	#28 0.320	#30 0.254	SHUTTLE PULLEY	WINDING BELT
205.0051 4 X 3SB	.160" 4.06mm				6 1.8	10 3.0	13 3.9	20 6.0	40 12.1	210.1002 T210-6B	178.5058C 270L050
205.0050 4 X 4B	.200" 5.08mm			7 2.1	12 3.6	18 5.4	33 10.0	48 14.6	88 26.8	210.1002 T210-6B	178.5058C 270L050
205.0056 4 X 3B	.270" 6.85mm			9 2.7	15 4.5	28 8.5	46 14.0	54 16.4	100 30.4	210.1009	178.5058C 270L050
205.0011 4 X 4SBOS	.280" 7.11mm		8 2.4	13 3.9	25 7.6	36 10.9	54 16.4	79 24.0	136 41.4	210.1010 T211-2-1A	178.5058C 270L050
205.0040 4 X 4SBNS	.300" 7.62mm	6 1.8	8 2.4	13 3.9	25 7.6	36 10.9	54 16.4	79 24.0	136 41.4	210.1010 T211-2-1A	178.5058C 270L050
205.0045 4 X 5SB	.375" 9.52mm	12 3.6	17 5.1	28 8.5	52 15.8	72 21.9	116 35.3	150 45.7	300 91.4	210.1009	178.5058C 270L050

4" ROUND BELT SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	F.I.D. INCHES/mm	#18 1.023	#20 0.812	#22 0.642	#24 0.510	#26 0.403	#28 0.320	#30 0.254	#32 0.201	#34 0.160	#36 0.127	#38 0.100	#40 0.079	SHUTTLE PULLEY	WINDING BELT
205.0020 4 X 3/32B	.093" 2.36mm									22 6.7	42 12.8	68 20.7	85 25.9	210.1011 T210-8R	178.5000C 2-050
205.0022 4 X 100B	.100" 2.54mm							20 6.0	35 10.6	40 12.1	50 15.2	83 25.3	125 38.1	210.1013 T210-12	178.5002C 2-160
205.0023 4 X 1/8B	.125" 3.17mm						15 4.5	25 7.6	34 10.3	50 15.2	75 22.8			210.1001 T210-6R	178.5002C 2-160
205.0051 4 X 3SB	.160" 4.06mm					11 3.3	20 6.0	32 9.7	55 16.7	65 19.8	100 30.4	190 57.9		210.1002 T210-6B	178.5007C 2-258
205.0050 4 X 4B	.200" 5.08mm				15 4.5	28 8.5	40 12.1	75 22.8	125 38.1	145 44.2				210.1002 T210-6B	178.5014C 2-358
205.0056 4 X 3B	.270" 6.85mm			11 3.3	22 6.7	35 10.6	50 15.2	80 24.3	140 42.6					210.1009	178.5016C 2-365
205.0011 4 X 4SBOS	.280" 7.11mm	5 1.5	9 2.7	20 6.0	30 9.1	45 13.7	65 19.8	100 30.4						210.1010 T211-2-1A	178.5021C 2-440
205.0040 4 X 4SBNS	.300" 7.62mm	5 1.5	9 2.7	20 6.0	30 9.1	45 13.7	65 19.8	100 30.4						210.1010 T211-2-1A	178.5021C 2-440



TECHNICAL DATA CAPACITY CHARTS

JV100BE JV250 SMC-1

6" FLAT BELT HEAD - SHUTTLES CAPACITY (FEET / METERS)									
PART NUMBER	F.I.D. INCHES/mm	#16 1.290	#18 1.023	#20 0.812	#22 0.642	#24 0.510	#26 0.403	SHUTTLE PULLEY	WINDING BELT
205.0086 6 X 4SBO	.285" 7.23mm			15 4.5	30 9.1	48 14.6	76 23.1	210.1010 T211-2-1A	178.5060C 367L050
205.0055 6 X 4SB	.300" 7.62mm		11 3.3	15 4.5	30 9.1	48 14.6	76 23.1	210.1010 T211-2-1A	178.5060C 367L050
205.0091 6 X 5SB	.335" 8.50mm	7 2.1	14 4.2	25 7.6	38 11.5	58 17.6	83 25.3	210.1010 T211-2-1A	178.5060C 367L050
205.0049 6 X 6SB	.380" 9.65mm	13 3.9	24 7.3	44 13.4	67 20.4	101 30.7	145 44.2	210.1010 T211-2-1A	178.5060C 367L050
205.0018 6 X6SB	.425" 10.79mm	17 5.1	33 10.0	50 15.2	76 23.1	128 39.0	186 56.7	210.1010 T211-2-1A	178.5060C 367L050
205.1013 6 X 5/8B	.625" 15.87mm	30 9.1	48 14.6	85 25.9	148 45.1	210 64.0	360 109.7	210.1009	178.5060C 367L050

6" SIDE SLIDER SHUTTLES CAPACITY (FEET / METERS)														
PART NUMBER	F.I.D. INCHES/mm	#22 0.642	#24 0.510	#26 0.403	#28 0.320	#30 0.254	#32 0.201	#34 0.160	#36 0.127	#38 0.100	#40 0.079	#42 0.063	SHUTTLE PULLEY	SLIDER
205.0014 6 X 3S	.219" 5.56mm				20 6.0	35 10.6	60 18.2	95 28.9	140 42.6	200 60.9	350 106.7	600 182.9	210.1002 T210-6B	R
205.0015 6 X 3M	.250" 6.35mm			30 9.1	45 13.7	85 25.9	130 39.6	175 53.3	295 89.9	475 144.8	750 228.6	1225 373.4	210.1002 T210-6B	Q
205.0016 6 X 3	.300" 7.62mm			30 9.1	60 18.2	100 30.4	180 54.8	230 70.1	350 106.7	600 182.9	950 289.6	1600 487.8	210.1010 T211-2-1A	Q
205.0054 6 X 3L	.375" 9.52mm			90 27.4	140 42.7	240 73.1	550 167.6	900 274.3	1100 335.3	1800 548.7	2400 731.7		210.1010 T211-2-1A	Q
205.0017 6 X 6S	.500" 12.70mm	65 19.8	100 30.4	180 54.8	280 85.3	430 131.0	750 228.6	1200 365.8	1450 442.0	2300 701.2	3600 1097.5		210.1010 T211-2-1A	P
205.1503 6 X 5/8S	.625" 15.87mm	100 30.4	200 60.9	300 91.4	450 137.1	850 259.1	1300 396.3	1800 548.7	3000 914.6	4300 1310.9			210.1009	P
205.0019 6 X 6	.750" 19.05mm	160 48.7	255 77.7	400 121.9	615 187.5	1000 304.8	1500 457.3	2300 701.2	3600 1097.5	5500 1676.8			210.1010 T211-2-1A	N
205.1010 6 X 6SP	.750" 19.05mm	225 68.5	380 115.8	600 182.9	850 259.1	1330 405.4	2325 708.8	3170 966.4	4680 1426.8	7275 2217.9			210.1028	P

6" ROUND BELT SHUTTLES CAPACITY (FEET / METERS)											
PART NUMBER	F.I.D. INCHES/mm	#16 1.290	#18 1.023	#20 0.812	#22 0.642	#24 0.510	#26 0.403	#28 0.320	#30 0.254	SHUTTLE PULLEY	WINDING BELT
205.0086 6 X 4SBOS	.285" 7.23mm		9 2.7	12 3.6	24 7.3	38 11.5	62 18.9	95 28.9	150 45.7	210.1010 T211-2-1A	178.5021C 2-440
205.0055 6 X 4SBNS	.300" 7.62mm		9 2.7	12 3.6	24 7.3	38 11.5	62 18.9	95 28.9	150 45.7	210.1010 T211-2-1A	178.5021C 2-440
205.0049 6 X 6SB	.380" 9.65mm	10 3.0	18 5.4	33 10.0	50 15.2	75 22.8	115 35.0	180 54.8	300 91.4	210.1010 T211-2-1A	178.5022C 3/8 X 8 1/2
205.0018 6 X 6SB	.425" 10.79mm	14 4.2	27 8.2	40 12.1	60 18.2	100 30.4	150 45.7	230 70.1	400 121.9	210.1010 T211-2-1A	178.5022C 3/8 X 8 1/2
205.1013 6 X 5/8B	.625" 15.87mm	25 7.6	40 12.1	70 21.3	120 36.5	170 51.8	300 91.4	400 121.9	550 167.6	210.1009	178.5022C 3/8 X 8 1/2



TECHNICAL DATA CAPACITY CHARTS

JV100BE JV250 SMC-1

7" SIDE SLIDER SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	F.I.D. INCHES/mm	#22 0.642	#24 0.510	#26 0.403	#28 0.320	#30 0.254	#32 0.201	#34 0.160	#36 0.127	#38 0.100	#40 0.079	SHUTTLE PULLEY	SLIDER
205.0217 7 X 3L	.375" 9.52mm						674 205.4	1103 336.2	1348 410.9	2206 672.5	2942 896.9	210.1040 T211-2-1A	Q
205.0238 7 X 1/2S	.500" 12.70mm				270 82.2	430 131.1	680 207.3	1240 378.0	2010 612.6	2600 792.5		210.1040 T211-2-1A	P
205.0218 7 X 5/8S	.625" 15.87mm	116 35.3	232 70.7	349 106.4	523 159.4	989 301.5	1513 461.2	2095 638.7	3492 1064.6	5005 1525.9		210.1040 T211-2-1A	M
205.0219 7 X 3/4S	.750" 19.05mm	235 71.6	397 121.0	627 191.1	888 270.7	1389 423.4	2429 740.5	3312 1009.7	4890 1490.8	7602 2317.6		210.1040 T211-2-1A	M
205.0247 5/8 SECTOR	.625" 15.87mm	175 53.3	300 91.4	470 143.3	680 207.3	1090 332.2	1650 502.9	2620 798.6	4100 1249.7	7500 2286.0		210.1040 T211-2-1A	S
205.0248 3/4 SECTOR	.750" 19.05mm	235 71.6	375 114.3	580 176.8	900 274.3	1400 426.7	2090 637.0	3350 1021.1	5200 1585.0	9500 2895.6		210.1040 T211-2-1A	S

7" GEAR HEAD / MAGAZINE WIRE CAPACITY (FEET / METERS)

PART NUMBER	F.I.D.	#16	#18	#20	#22	#24	#26	#28	#30	#32	#34	#36
	INCHES/mm	1.290mm	1.023mm	0.812mm	0.642mm	0.510mm	0.403mm	0.320mm	0.254mm	0.201mm	0.160mm	0.127mm
205.1518 5/64"	.512" 13mm	8 2.4	12 3.7	22 6.7	35 10.7	55 16.8	84 25.6	132 40.2	194 59.1	309 94.2	510 155.5	823 250.9
205.1519 1/8"	.562" 14.2mm	14 4.3	20 6.1	32 9.8	60 18.3	91 27.7	130 39.6	211 64.3	316 96.3	503 153.3	816 248.7	1267 386.2
205.1520 3/16"	.625" 15.8mm	21 6.4	35 10.6	53 16.1	93 28.3	140 42.6	211 64.3	344 104.8	506 154.2	735 224.0	1224 373.1	1964 598.7
205.1521 1/4"	.687" 17.4mm	28 8.5	44 13.4	74 22.5	126 38.4	193 58.8	274 83.5	448 136.5	665 202.7	1006 306.7	1684 513.4	2597 791.7
205.1522 3/8"	.812" 20.6mm	44 13.4	70 21.3	116 35.3	183 55.7	303 92.3	422 128.6	686 209.1	1013 308.8	1510 460.3	2552 778.0	3928 1197.5

MINITOR SYSTEM SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	WIRE RANGE AWG/mm	MANDREL	SHUTTLE PULLEY	F.I.D. INCHES/mm	#34 0.160	#36 0.127	#38 0.100	#40 0.079	#42 0.063	#44 0.050	#46 0.039
.035B	46-42 0.039-0.063	.010	210.1003 SM201	.035" 0.88mm					8 2.4	11 3.3	14 4.2
.035D	42-38 0.063-0.100	.010	210.1003 SM201	.035" 0.88mm			4 1.2	6 1.8	8 2.4		
.049B	46-42 0.039-0.063	.020	210.1003 SM201	.049" 1.24mm					11 3.3	17 5.1	19 5.7
.049D	42-38 0.063-0.100	.020	210.1003 SM201	.049" 1.24mm			8 2.4	9 2.7	11 3.3		
.049E	37-36 0.113-0.127	.015	210.1003 SM201	.049" 1.24mm		6 1.8					
.049F	35-34 0.142-0.160	.015	210.1003 SM201	.049" 1.24mm	5 1.5						
.065B	46-42 0.039-0.063	.025	210.1003 SM201	.065" 1.65mm					13 3.9	20 6.0	32 9.7
.065D	42-38 0.063-0.100	.025	210.1003 SM201	.065" 1.65mm			9 2.7	11 3.3	13 3.9		
.065E	37-36 0.113-0.127	.025	210.1003 SM201	.065" 1.65mm		7 2.1					
.065F	35-34 0.142-0.160	.025	210.1003 SM201	.065" 1.65mm	6 1.8						



TECHNICAL DATA CAPACITY CHARTS

JV100BE JV250 SMC-1

3" SUB MINATURE BELT SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	F.I.D. INCHES/mm	#28 0.320	#30 0.254	#32 0.201	#34 0.160	#36 0.127	#38 0.100	#40 0.079	SHUTTLE PULLEY	WINDING BELT
205.0042	.093"			6	15	25	45	60	210.1003	178.5000C
3 X 3/32B	2.36mm			1.8	4.6	7.6	13.7	18.3	SM201	2-050
205.0060	.100"		4	6	15	25	45	60	210.1003	178.5002C
3 X 100	2.54mm		1.2	1.8	4.6	7.6	13.7	18.3	SM201	2-160
205.0043	.125"	6	10	15	30	47	85	105	210.1003	178.5002C
3 X 1/8B	3.17mm	1.8	3.0	4.6	9.1	14.3	25.9	32.0	SM201	2-160

4" SPRING WINDING - SHUTTLES CAPACITY (FEET / METERS)

PART NUMBER	F.I.D. INCHES/mm	#36 0.127	#38 0.100	#40 0.079	#42 0.063	#44 0.050	#46 0.039	SHUTTLE PULLEY	SPRING
205.0020	.120"	25	45	70	100	160	250	210.1011	CONSULT
4 X 3/32S	3.04mm	7.6	13.7	21.3	30.4	48.7	76.2	T210-8R	JOVIL
205.0023	.140"	65	100	180	260	375	550	210.1001	CONSULT
4 X 1/8S	3.55mm	19.8	30.4	54.8	79.2	114.3	167.6	T210-.6R	JOVIL

SLIDER

PART NUMBER	WIRE RANGE AWG / mm
K3	#40-42 / 0.079-0.063mm
K4	#36-38 / 0.127-0.100mm
K5	#32-34 / 0.201-0.160mm
K6	#28-30 / 0.320-0.254mm
J3	#42-44 / 0.063-0.050mm
J4	#38-40 / 0.100-0.079mm
J5	#34-36 / 0.160-0.127mm
J6	#30-32 / 0.254-0.201mm
J7	#26-28 / 0.403-0.320mm
H3	#42-44 / 0.063-0.050mm
H4	#38-40 / 0.100-0.079mm
H5	#34-36 / 0.160-0.127mm
H6	#30-32 / 0.254-0.201mm
H7	#26-28 / 0.403-0.320mm
G4	#38-40 / 0.100-0.079mm
G5	#34-36 / 0.160-0.127mm
G6	#30-32 / 0.254-0.201mm
G7	#26-28 / 0.403-0.320mm
G8	#22-24 / 0.642-0.510mm
R3	#40-42 / 0.079-0.063mm
R4	#36-38 / 0.127-0.100mm
R5	#32-34 / 0.201-0.160mm
R6	#28-30 / 0.320-0.254mm
Q3	#42-44 / 0.063-0.050mm

SLIDER

PART NUMBER	WIRE RANGE AWG / mm
Q4	#38-40 / 0.100-0.079mm
Q5	#34-36 / 0.160-0.127mm
Q6	#30-32 / 0.254-0.201mm
Q7	#26-28 / 0.403-0.320mm
P4	#38-40 / 0.100-0.079mm
P5	#34-36 / 0.160-0.127mm
P6	#30-32 / 0.254-0.201mm
P7	#26-28 / 0.403-0.320mm
P8	#22-24 / 0.642-0.510mm
M4	#38-40 / 0.100-0.079mm
M5	#34-36 / 0.160-0.127mm
M6	#30-32 / 0.254-0.201mm
M7	#26-28 / 0.403-0.320mm
M8	#22-24 / 0.642-0.510mm
N4	#36-38 / 0.127-0.100mm
N5	#32-34 / 0.201-0.160mm
N6	#28-30 / 0.320-0.254mm
N7	#24-26 / 0.510-0.403mm
N8	#20-22 / 0.812-0.642mm
S4	#36-38 / 0.127-0.100mm
S5	#32-34 / 0.201-0.160mm
S6	#28-30 / 0.320-0.254mm
S7	#24-26 / 0.510-0.403mm
S8	#20-22 / 0.812-0.642mm



TECHNICAL DATA CAPACITY CHARTS

JV100BE JV250 SMC-1

2" COMBINATION HEAD BELT SHUTTLES CAPACITY CHART

SHUTTLE	PULLEY	QTY	FID	mm	.40	.36	.32	.29	.25	.23	.20	.18	.16	.14	.125	.115	.10	.085	.08	BELT #	
				AWG	#26	#27	#28	#29	#30	#31	#32	#33	#34	#35	#36	#37	#38	#39	#40		
205.0258	210.1072	3	.075 IN	FT							6	8	11	14	18	20	30	24	30	FB-178.5084C	
.055	210.1071	2	1.91 mm	M							1.8	2.4	3.4	4.3	5.5	6.1	9.1	7.3	9.1	OR-178.5000C	
JV100BE JV250 SMC-1																					
205.0261	210.1077	3	.099 IN	FT					7	8	10	13	15	22	24	27	31	38	47	FB-178.5084C	
.075	210.1078	2	2.51 mm	M					2.1	2.4	3.0	4.0	4.6	6.7	7.3	8.2	9.5	11.6	14.3	OR-178.5000C	
205.0259	210.1073	3	.125 IN	FT			6	8	10	12	15	18	23	34	38	43	53	53	74	FB-178.5084C	
.094	210.1074	2	3.17 mm	M			1.8	2.4	3.0	3.7	4.6	5.5	7.0	10.3	11.6	13.1	16.2	16.2	22.6	OR-178.5001C	
205.0260	210.1075	3	.165 IN	FT	7	9	11	13	20	24	30	37	48	64	70	80	100	105	145	FB-178.5084C	
.125	210.1076	2	4.20 mm	M	2.1	2.7	3.4	4.0	6.1	7.3	9.1	11.3	14.6	19.5	21.3	24.4	30.5	32.0	44.2	OR-178.5002C	

2" COMBINATION HEAD SLIDER SHUTTLES CAPACITY CHART

SLIDER CHART

SHUTTLE	PULLEY	QTY	FID	mm	.16	.14	.125	.115	.10	.085	.08	.072	.064	.056	.050
				AWG	#34	#35	#36	#37	#38	#39	#40	#41	#42	#43	#44
205U0086	210.1087	3	.175 IN	FT	29	40	46	54	65	80	121	152	186	219	253
.175	210.1088	2	4.45 mm	M	8.0	12.2	14.1	16.7	19.8	24.6	36.8	46.3	56.7	66.8	77.2
205U0087	210.1089	3	.200 IN	FT	35	47	60	66	88	99	146	187	226	270	316
.200	210.1090	2	5.08 mm	M	10.7	14.4	18.2	20.3	25.2	30.3	44.5	57.0	69.1	82.3	96.5

PART NO.	AWG	MM
1S	#44-42	.050-.063
2S	#41-38	.071-.100
3S	#37-34	.113-.160

1.5 INCH HEAD BELT SHUTTLES CAPACITY CHART

SHUTTLE	PULLEY	QTY	FID	mm	.25	.23	.20	.18	.16	.14	.125	.115	.10	.085	.08	.072	.064	BELT #
				AWG	#30	#31	#32	#33	#34	#35	#36	#37	#38	#39	#40	#41	#42	
205.0267	210.1084	5	.060 IN	FT					1.4	2.5	2.8	3.1	4	5	7	8	11	178.5088C
1.5 X .040			1.52 mm	M					0.43	0.76	0.85	0.95	1.2	1.5	2.1	2.4	3.3	
205.0268	210.1085	5	.075 IN	FT			3.9	5.2	7.1	9.0	11.6	12.9	19.4	20.7	25.9			178.5088C
1.5 X .055			1.91 mm	M			1.2	1.6	2.2	2.7	3.5	3.9	5.9	6.3	7.9			