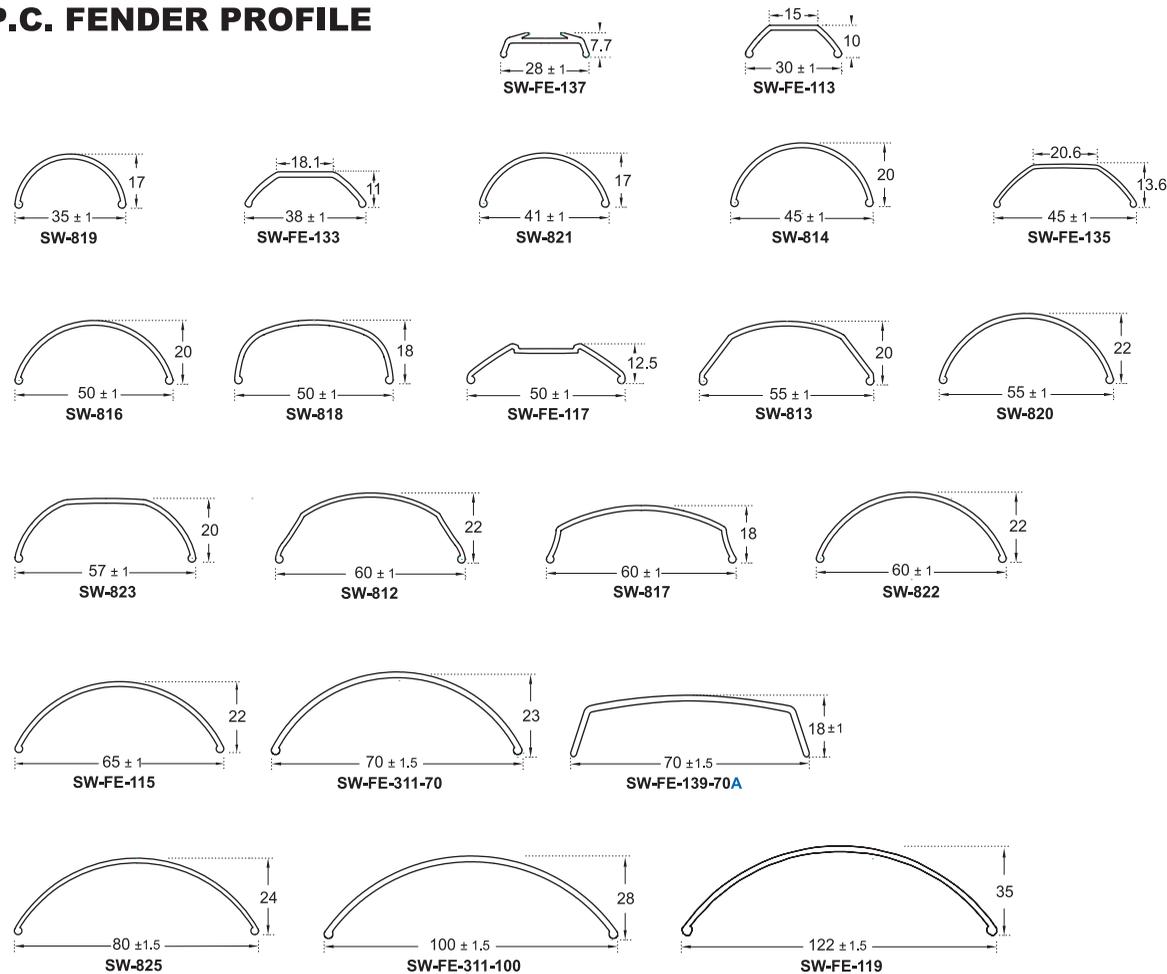
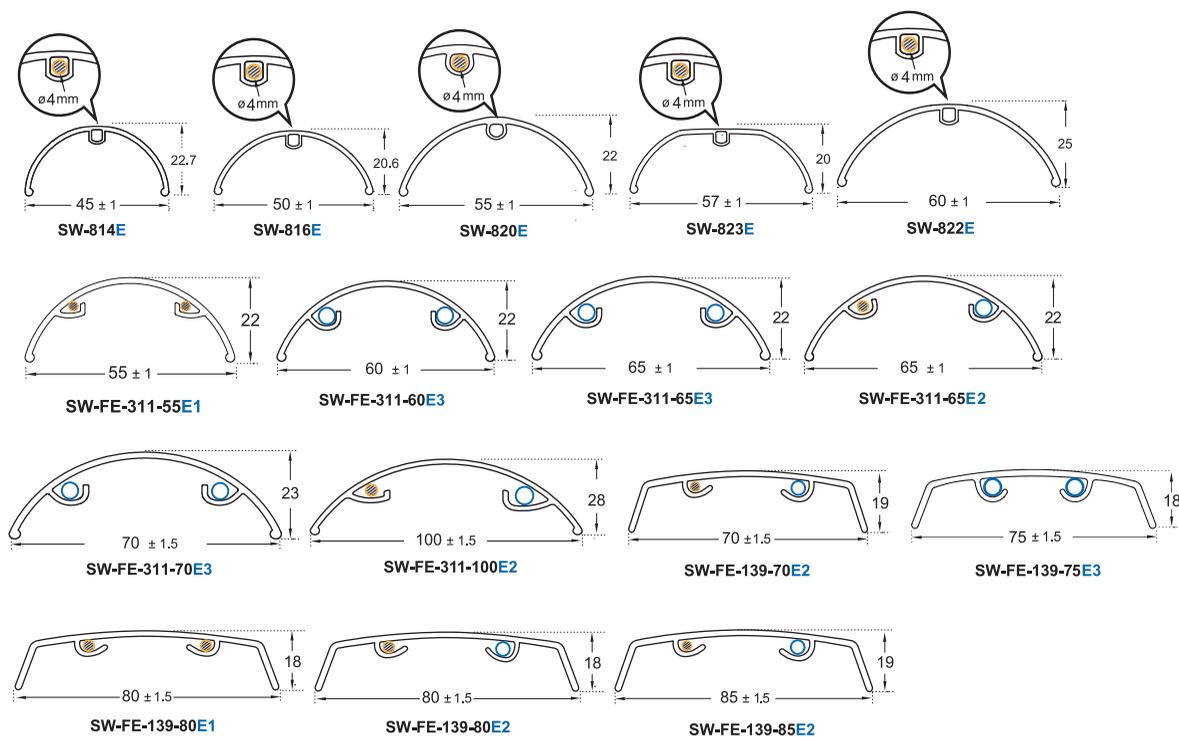


P.C. FENDER PROFILE



P.C. FENDER CABLE STORAGE TECH PROFILE

● ø3mm
○ ø5mm



Plastic Full-cover Fender

Use of Polycarbonate (P.C.) is one of Sunny Wheel's specialty in introducing the making of lightweight full cover fenders. The density of P.C. is around 1.2, with high transparency, glossy surface and flexibility. Good resistance not only in weathering but also impact. Stable quality with minimal shrinkage. Material with such characteristics makes our plastic full cover fender your top choice.



Weatherproof from -20°C up to 130°C



Impact Resistance (-20°C)



Lightweight



High Flexibility

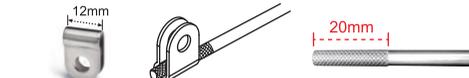
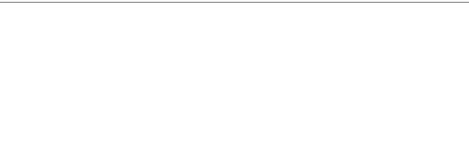
FENDER STAY SAFETY POP-OFF

	 <p>FV-515 Patented (For $\phi 3.2$ / $\phi 3.9$ mm FENDER-STAY) FENDER STAY SAFETY POP-OFF Material: PA6 Applicable to MSA / MSB / MSI / MSV fender-stays to pop-off when jammed.</p>	<p>MSA MSB MSI MSV</p>	
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FENDER STAY MOUNTING (FIXED)

	<p>804N-02 UPPER-MOUNTED FENDER STAY Material: 303 Stainless</p>	
	<p>804E-1 UNDER-MOUNTED FENDER STAY Material: Zinc • $\phi 3.9$mm / $\phi 5$mm</p>	

FENDER STAY / SEAT STAY HARDWARE

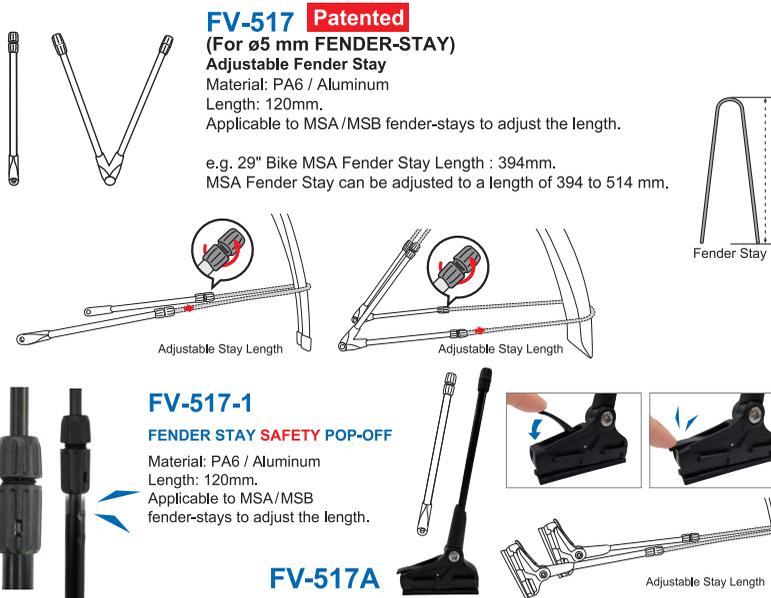
	<p>804H • Fender stay: $\phi 3.9$mm • Material: Steel • Finishing: ED BK</p>	 <p>Prevent Rotation $\phi 5$mm screw hole 804J • Fender stay: $\phi 3.9$mm 804J-1 • Fender stay: $\phi 3.2$mm 804J-2 • Fender stay: $\phi 5$mm</p>
	<p>804H-2 • Fender stay thickness $\phi 3.2$mm / $\phi 3.9$mm / $\phi 5$mm • Easy installation</p> <p>804H-2A: $\phi 3.2$mm 804H-2B: $\phi 3.9$mm 804H-2C: $\phi 5$mm</p>	
	<p>804H-3 • Fender stay thickness $\phi 3.2$mm / $\phi 3.9$mm / $\phi 5$mm / $\phi 6$mm stay eyelet • Stay eyelet diameter $\phi 6$mm</p> <p>804H-3A: $\phi 3.2$mm 804H-3B: $\phi 3.9$mm 804H-3C: $\phi 5$mm 804H-3D: $\phi 6$mm stay eyelet</p>	
	<p>804H-5 • Fender stay: $\phi 3.9$mm • Material: POM</p> <p>804H-5A: $\phi 3.2$mm 804H-5B: $\phi 3.9$mm 804H-5C: $\phi 5$mm</p>	
 <p>804M SLIDE SHIM • Slidable shim gives the possibility with 10mm length adjustment to fender stay.</p>	 <p>804M-1 SLIDE SHIM • Can with no limited length adjustment to fender stay • only fit $\phi 5$mm fender strut</p>	



FV-115 Patented
Material: (POM+PA6) / 304 Stainless
POP-OFF SAFETY QR FASTENER
Fixed stay eyelet
Strut snap on system

Lorem ipsum

FENDER STAY SAFETY POP-OFF (Not Compatible With SW-FE-139.)

STAY SAFETY	DESCRIPTION	FIT STAY	FUNCTION
 <p>FPOP</p>	<p>QR FASTENER (For $\phi 3.2$ / $\phi 3.9$ mm FENDER-STAY) Material: POM Slide along fender for position adjust. Allows 20mm travel adjustment.</p>	<p>POI POV</p>	
 <p>POP OFF</p>	<p>SAFETY QR FASTENER (For $\phi 3.2$ / $\phi 3.9$ mm FENDER-STAY) Material: POM Safety design to detach in accident and prevent jamming the wheel. (QR) quick release, easy installation and allows 20mm stay length adjustment.</p> <p>SAFETY QR FASTENER (For $\phi 3.2$ mm FENDER-STAY) Material: POM Safety design to detach in accident and prevent jamming the wheel. (QR) quick release, easy installation and allows 20mm stay length adjustment.</p>	<p>POI POV</p>	 <p>Auto-detach When Jammed</p>
 <p>POP OFF 3</p>	<p>SAFETY QR FASTENER (For $\phi 3.2$ / $\phi 3.9$ mm FENDER-STAY) Material: POM Safety design to detach in accident and prevent jamming the wheel. (QR) quick release, easy installation and allows 20mm stay length adjustment.</p>	<p>POI POV</p>	 <p>Auto-detach When Jammed</p>
 <p>POP OFF 5</p>	<p>SAFETY QR FASTENER (For $\phi 3.2$ / $\phi 3.9$ mm FENDER-STAY and SW-FE-119 / SW-FE-311-100 / EZ) Material: POM Safety design to detach in accident and prevent jamming the wheel. (QR) quick release, easy installation and allows 20mm stay length adjustment.</p>	<p>POI POV</p>	 <p>Auto-detac When Jammed</p>
 <p>FV-517 Patented (For $\phi 5$ mm FENDER-STAY) Adjustable Fender Stay Material: PA6 / Aluminum Length: 120mm. Applicable to MSA / MSB fender-stays to adjust the length.</p> <p>e.g. 29" Bike MSA Fender Stay Length : 394mm. MSA Fender Stay can be adjusted to a length of 394 to 514 mm.</p> <p>FV-517-1 FENDER STAY SAFETY POP-OFF Material: PA6 / Aluminum Length: 120mm. Applicable to MSA / MSB fender-stays to adjust the length.</p> <p>FV-517A</p>	<p>UPPER-MOUNTED FENDER STAY</p>		

FENDER COLOR CHART

- Fender color and foil application customizable.
- Fender length customizable.



RF-Z01
Solid Black



RF-D01
Dim Black



RF-F01
Flat Black



RF-C01
Coated Matt Black



RF-M01
Metallic Black



RF-T01
Black Transparent



RF-R01
Reflective Strap-Lateral edge



RF-R02
Reflective Strap-Centre



RF-L01
Black + 2 Clear Lines



RF-L02
White + 2 Black Lines



RF-A01
Clear Transparent
+ Matte Aluminium Foil



RF-A02
Clear Transparent
+ Shiny Aluminium Foil



RF-A03
Clear Transparent
/ Matte Aluminium Foil
+ 2 Clear Lines



RF-A04
Black Transparent
/ Matte Aluminium Foil
+ 4 Clear Lines



RF-A05
Matte Aluminium Foil
+ 2 Clear Lines
+ Centre Shiny Aluminium Foil



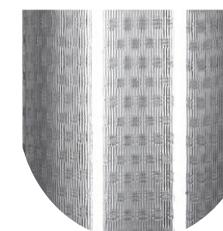
RF-L03
Colour-Side line



RF-E01
Centre Etching



RF-E02
Etching+ Matte Aluminium Foil



RF-E03
Etching+ 2 Clear Lines



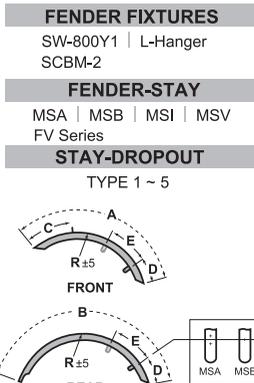
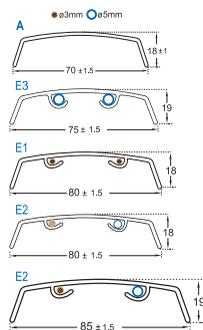
RF-RC-01
Post-Consumer Recycled
Material ECO Friendly
Solid Black exclusive

CABLE STORAGE TECH

<p>SW-801E SINGLE Cable Tunnel • Fit Cable within ø3.5mm • cable length: 150cm • Slide-in</p>	<p>SW-801E1 Patented Cable Tunnel (Fit Cable within ø3mm)</p>	<p>SW-801E2 Patented Cable Tunnel (Fit Cable within ø3mm & ø5mm)</p>	<p>SW-801E3 Patented Cable Tunnel (Fit Cable within ø5mm)</p>
<p>SW-801E4 Patented Cable Tunnel (Fit Cable within ø3.8mm)</p>	<p>SW-809-01 Patented Cable Tunnel Tool • Fit Cable within ø5mm • Single or double cables.</p>	<p>SW-808 Fit Cable within ø25mm</p>	
<p>SW-807B-3 / SW-807B-4 Patented Cable Tunnel Tool • Slide-able and easy Snap-in • Fit Cable within ø10mm • Stable • Single or multiple cables.</p>		<p>SW-807B-2 / SW-807B-2A Patented Cable Tunnel Tool • Slide-able and easy Snap-in • Can be assembled on both sides</p>	
<p>SW-804E Washer • Material: Stainless • Finish: ED black • For M5 screw</p>	<p>SW-801B Cable Buttons (Button distance: 105mm) • Fit Cable within ø2mm</p>	<p>SW-801C Cable Tunnel • Fit Cable within ø4.5mm • Fit ø3.9mm fender stay</p>	
<p>SW-NP-111 License Plate Holder • Material: PA6+30%GF • Tire fit: 26"-28" • P.C & ALU. full-cover applicable.</p>	<p>SW-FC-111F • Compatible with LITEMOVE AE-200 Speed Pedelec • For Fender width 45mm-80mm / 700C-29" bike</p>	<p>SW-FC-111R • Compatible with LITEMOVE TS-FD • For Fender width 45mm-80mm / 700C-29" bike</p>	
<p>SW-FC-111A • Compatible with DOSUN RX3 • For Fender width 45mm-80mm / 700C-29" bike</p>			

SW-FE-139 E1/E2/E3

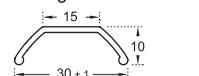
- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-139-80E1	28"	80	380	640	1125	190	70	240	SW-800Y1	2.5" ~ 2.7"
	29"							255		
FE-139-80E2	29"	70	370	640	1125	190	70	240	SW-800V1	2.1" ~ 2.5"
FE-139-70E2	650B							375		
	700C	20"	275	490	855	145	170	N/A	2.35" ~ 2.7"	
FE-139-75E3	27.5"	350	620	1085	185	220				
	FE-139-85E2	650B	85	370	640	1125	190	70	240	N/A
700C		220								
FE-139-70A	26"	70	370	640	1125	190	70	240	SW-800V1	2.1" ~ 2.5"
	27.5"							375		

SW-FE-113

- Material: PC
- Designed for Road-bike.



Sleek Look Roadbike



Sleek Look Roadbike



Quick-release Fender Stay (SP-011)



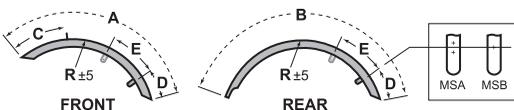
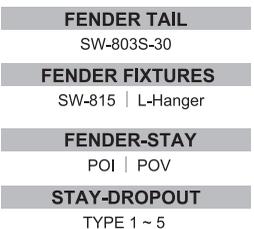
Smart Fixture for Roadbike



Safety-release(POP OFF3)



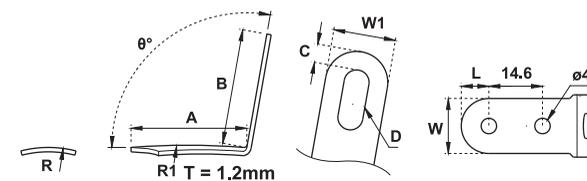
Quick-release(SA1-01+FE-113R)



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-113	650B 700C	30mm	370	640	1125	190	Slidable		SW-800P-A	20C ~ 25C

L-HANGER CHART(Curved Design)

• Material: 304 Stainless Steel

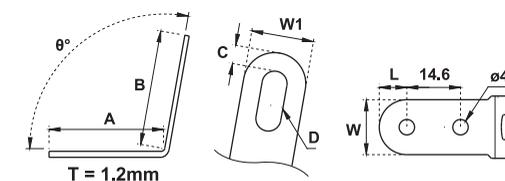


* Standard: SW-8001 for Front Fender / SW-8002 for Rear Fender.

HANGER	θ°	A	B	C	D	L	W	W1	R	R1
*8001	100°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
*8002	100°	31.3	24.4	4.6	6.8 x 16	7.5	14	16	12.9	156.8
8003	104°	28.5	26	3.3	6.5 x 13	4.5	13	13	12.9	156.8
8004	100°	31.5	25.9	4	6.5 x 15	7.5	15	17	12.9	
8005	100°	31.5	53.8	5	7.5 x 22.5	7.5	15	17.5	30	
8006	100°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5	12.9	156.8
8006-1	100°	31.5	38.8	5	6.8 x 20	7.5	15	17.5	12.9	156.8
8006-4	100°	31.5	38.8	5	5.2 x 22.5	7.5	15	17.5	12.9	156.8
8007	100°	31.3	30.6	5.1	6.8 x 16.5	7.2	12.7	17	12.9	156.8
8007-1	106°	31.3	30.6	5.1	6.8 x 16.5	7.2	12.7	17	12.9	156.8
8008	86°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8009	84°	31.5	25.9	4	6.5 x 15	7.5	15	17	12.9	156.8
8010	104°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8011	106°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8012	110°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8014	104°	28.5	31.4	3.3	6.5 x 16.5	4.5	13	13	13	
8015	106°	31	37.5	5	7.5 x 23	7.5	15	17.5	12.9	156.8
8017	92°	31.3	24.4	4.6	6.8 x 16	7.5	14	16	12.9	320
8018	92°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8019	84°	31.5	36	5	6.8 x 26	7.5	15	17.5	12.9	156.8
8019-1	100°	31.5	36	5	6.8 x 26	7.5	15	17.5	12.9	156.8
8022	90°	31.6	31.4	5	6.8 x 24.5	7.5	14.5	17	17	371.27 *only for FE-131
8023	90°	29.5	26	4.3	6.8 x 18	4.5	18	18		185 *only UPPER
8024	90°	29.5	19.3	4.3	6.8 x 11	4.5	18	18		185 *only UPPER

L-HANGER CHART(Flat Design)

• Material: 304 Stainless Steel

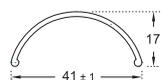


* Standard: SW-815 for Front Fender / SW-8002-1 for Rear Fender.

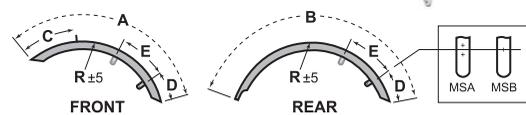
HANGER	θ°	A	B	C	D	L	W	W1	R	R1
8002-1	100°	31.3	24.4	4.6	6.8 x 16	7.5	14	16		
8005-1	120°	31.5	53.8	5	7.5 x 22.5	7.5	15	17.5		
8006-2	77°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5		
8006-3	85°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5		
8020	90°	31.4	27	5.1	6.5 x 17	7.5	15	17		156.8
815	100°	31.5	32	5.1	6.8 x 15.5	7.5	15	17		
815-1	100°	38.9	24	5.1	6.8 x 15.5	7.5	15	17		
8021	92°	31.5	24	4.6	6.8 x 16	7.5	14	16		

SW-821

- Material: PC
- Various color choices.



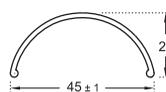
- FENDER TAIL**
SW-803J | SW-803I | SW-803H
SW-803C-40
- FENDER FIXTURES**
SW-800E | SW-804B | SW-801B
SW-801C | L-Hanger | SCBM-1
- FENDER-STAY**
MSA | MSB | MSI | MSV
POI | POV
- STAY-DROPOUT**
TYPE 1 ~ 5



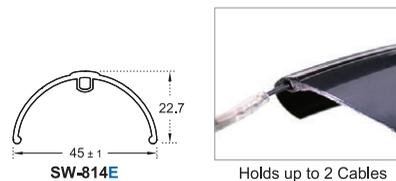
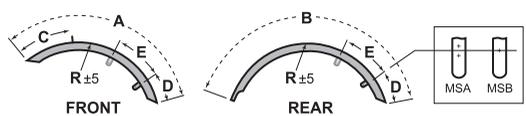
MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-821	20"	41mm	275	490	855	145	70	170	SW-800E	1" ~1.375" or 25C ~35C
	650B 700C		370	640	1125	190		240		

SW-814

- Material: PC
- Various color choices.



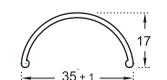
- FENDER TAIL**
SW-803C | SW-803D | SW-803K
SW-803Q | SW-803C-45
- FENDER FIXTURES**
SW-800A | SW-804B | SW-805E
SW-801B | SW-801C | L-Hanger
SW-800J | SCBM-1
- FENDER-STAY**
MSA | MSB | MSI | MSV
POI | POV
- STAY-DROPOUT**
TYPE 1 ~ 5



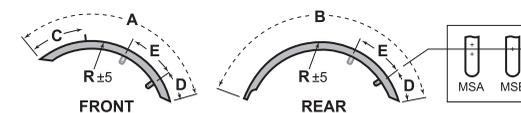
MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-814	20"	45mm	275	490	855	145	70	170	SW-800A SW-800J SW-800X	1.1" ~ 1.5" or 28C ~ 38C
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		
	650B 700C		370	640	1125	190		240		
	27.5"		375							
	28"		380							

SW-819

- Material: PC
- Various color choices.



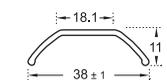
- FENDER TAIL**
SW-803H | SW-803I | SW-803O
SW-803U | SW-803C-35
- FENDER FIXTURES**
SW-800E | SW-804B | SW-801B
SW-801C | L-Hanger | SCBM-1
SW-800U
- FENDER-STAY**
MSA | MSB | MSI | MSV
POI | POV
- STAY-DROPOUT**
TYPE 1 ~ 5



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-819	20"	35mm	275	490	855	145	70	170	SW-800E SW-800U	1" ~1.125" or 20C ~ 28C
	650B 700C		370	640	1125	190		240		

SW-FE-133

- Material: PC
- Designed for Road-bike.



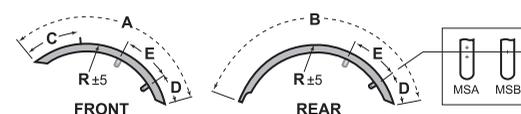
Safety-release(POP OFF3)



Quick-release(SA1-01+FE-113R)



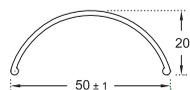
- FENDER TAIL**
SW-803S-38
- FENDER FIXTURES**
SW-815 | L-Hanger
- FENDER-STAY**
MSI | MSV | POI | POV
- STAY-DROPOUT**
TYPE 1 ~ 5



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-133	650B 700C	38mm	370	640	1125	190	70	240	SW-800P-C	1" ~ 1.25" or 22C ~ 32C

SW-816

- Material: PC
- Various color choices.



FENDER TAIL

SW-803F | SW-803D | SW-803L
SW-803Q | SW-803C-50

FENDER FIXTURES

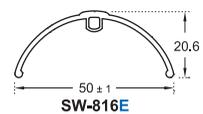
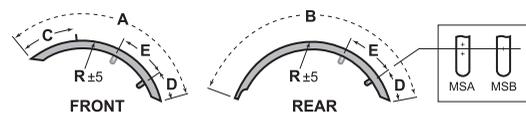
SW-800D | SW-804B | SW-805E
SW-805B | SW-801B | SW-801C
SW-800K | L-Hanger | SCBM-1

FENDER-STAY

MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

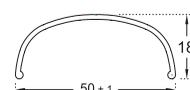


Holds up to 2 Cables

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-816	12"	50mm	175	305	510	110	70	100	SW-800D SW-800K	1.35" ~ 1.625" or 35C ~ 40C
	14"		200	350	590	130		115		
	16"		225	410	620	145		135		
	18"		250	435	740	150				
	20"		275	490	855	170				
	22"		310	525	890	155		195		
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		
	650B 700C		370							
	27.5"		375	640	1125	190		240		
28"	380									

SW-818

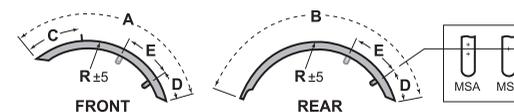
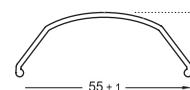
- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-818	26"	50mm	350	620	1085	185	70	220	SW-800D	1.35" ~ 1.625" or 35C ~ 40C
	650B 700C		375	640	1125	190		240		

SW-813

- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-813	16"	55mm	225	410	620	145	70	135	SW-800D	1.5" ~ 1.9" or 38C ~ 45C
	18"		250	435	740			150		
	20"		275	490	855			170		

FENDER TAIL

SW-803F | SW-803L | SW-803Q

FENDER FIXTURES

SW-800D | SW-804B | SW-805E
SW-801B | SW-801C | L-Hanger
SCBM-1

FENDER-STAY

MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

FENDER TAIL

SW-803F | SW-803M | SW-803P
SW-803S

FENDER FIXTURES

SW-800D | SW-804B | SW-805E
SW-801B | SW-801C | L-Hanger
SCBM-1

FENDER-STAY

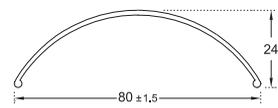
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-825

- Material: PC
- Designed for Cruiser Bike.
- Various color choices.



FENDER FIXTURES

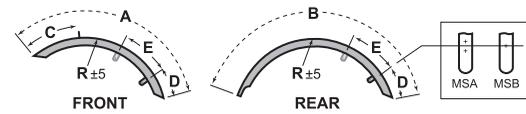
L-Hanger | SCBM-2
SW-803C-80

FENDER-STAY

MSA | MSB | MSI | MSV
POI | POV | POP OFF 5

STAY-DROPOUT

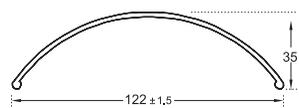
TYPE 1 ~ 5



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-825	20"	80mm	275	490	855	145	70	170	SW-800Y	2.5" ~ 2.7"
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		
	27.5"		375	640	1125	190		240		
	29"		395	670	1175	195		255		

SW-FE-119

- Material: PC
- Designed for Snow-bike / Fat bike.
- Optional Safety QR fastener
- Only with POP OFF5



FENDER-STAY

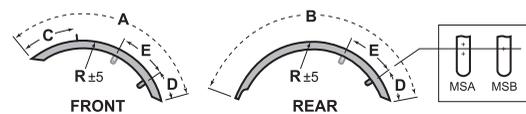
MSA | MSB | MSI | MSV
POI | POV | POP OFF 5

STAY-DROPOUT

TYPE 1 ~ 5

FENDER TAIL

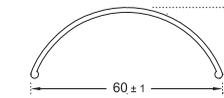
SW-803C-122



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-119	20"	122mm	310	525	890	155	70	170	SW-800Z	4.0" ~ 4.5"
	26"		395	670	1175	195		220		

SW-822

- Material: PC
- Various color choices.



FENDER TAIL

SW-803G | SW-803V | SW-803N
SW-803C-60

FENDER FIXTURES

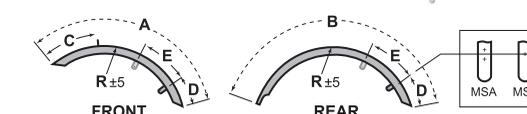
SW-800H | SW-805E | SW804B
SW-801B | SW-801C | L-Hanger
SCBM-2

FENDER-STAY

MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

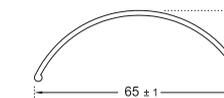


Holds up to 2 Cables

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-822	18"	60mm	250	435	740	145	70	150	SW-800H	1.75" ~ 2.125" or 45C
	20"		275	490	855			170		
	24"		325	575	1010			205		
	26"		350	620	1085	185		220		
	650B 700C		370	640	1125	190		240		
	29"		395	670	1175	195		255		

SW-FE-115

- Material: PC
- Various color choices.



FENDER TAIL

SW-803N | SW-803V
SW-803C-60

FENDER FIXTURES

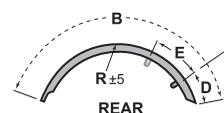
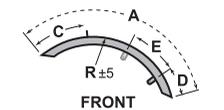
SW-800V | L-Hanger
SCBM-2

FENDER-STAY

MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

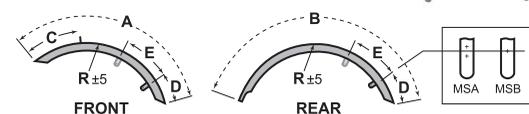
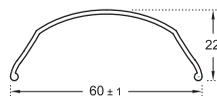
TYPE 1 ~ 5



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-115	12"	65mm	175	305	510	145	70	100	SW-800V	1.9" ~ 2.2"
	16"		225	410	620			135		
	20"		275	490	855			170		
	24"		325	575	1010	170		70		
	26"		350	620	1085	185		220		
	27.5"		375	640	1125	190		240		
	29"		395	670	1175	195		255		

SW-812

- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-812	20"	60mm	275	490	855	145	70	170	SW-800B	1.75" ~ 2.125" or 45C
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		

FENDER TAIL

SW-803E | SW-803M | SW-803S
SW-803C-60

FENDER FIXTURES

SW-800B | SW-804B | SW-805E
SW-805B | SW-801B | SW-801C
L-Hanger | SCBM-2

FENDER-STAY

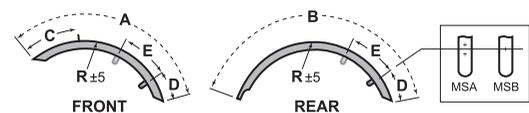
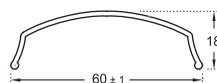
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-817

- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-817	24"	60mm	325	575	1010	170	70	205	SW-800C	1.75" ~ 2.125" or 45C
	26"		350	620	1085	185		220		
	27.5"		375	640	1125	190		240		
	29"		395	670	1175	195		255		

FENDER TAIL

SW-803G | SW-803M
SW-803C-60

FENDER FIXTURES

SW-800C | SW-804B | SW-805E
SW-801B | SW-801C | L-Hanger
SCBM-1 | SCBM-2

FENDER-STAY

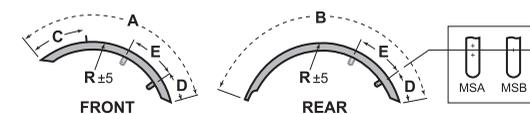
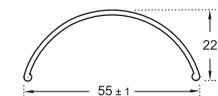
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-820

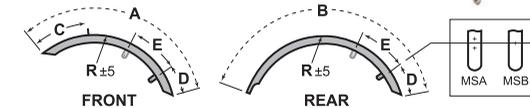
- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-820	16"	55mm	225	410	620	145	70	135	SW-800I	1.5"~1.9 " or 38C ~ 45C
	20"		275	490	855	145		170		
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		
	650B 700C		370	640	1125	190		240		
SW-820E	26"	700C	350	620	1085	185	70	220	SW-800H	1.6" ~ 2" or 40C-45C
	27"		370	640	1125	190		240		
	29"		395	670	1175	195		255		

SW-823

- Material: PC
- Various color choices.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-823	650B 700C	57mm	370	640	1125	190	70	240	SW-800I	1.6" ~ 2" or 40C-45C

FENDER TAIL

SW-803M | SW-803S
SW-803C-60

FENDER FIXTURES

SW-805E | SW-805B | SW-804B
SW-801B | SW-801C | L-Hanger
SCBM-2

FENDER-STAY

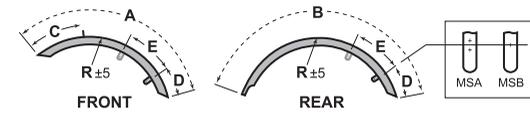
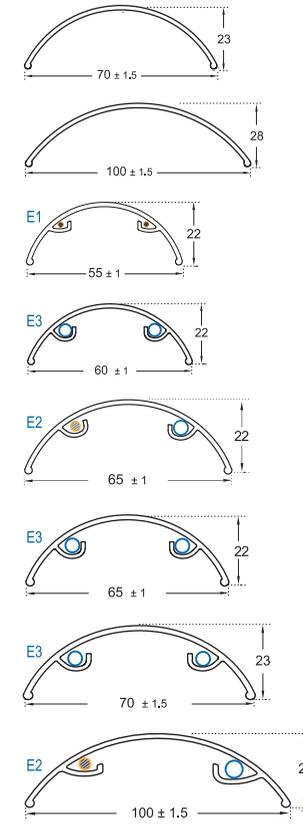
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-FE-311 E1/E2/E3

- Material: PC
- Various color choices.



SW-FE-311
FENDER FIXTURES
 SW-8001 | SW-800C | L-Hanger
FENDER-STAY
 MSA | MSB | MSI | MSV
 POI | POV
STAY-DROPOUT
 TYPE 1-5

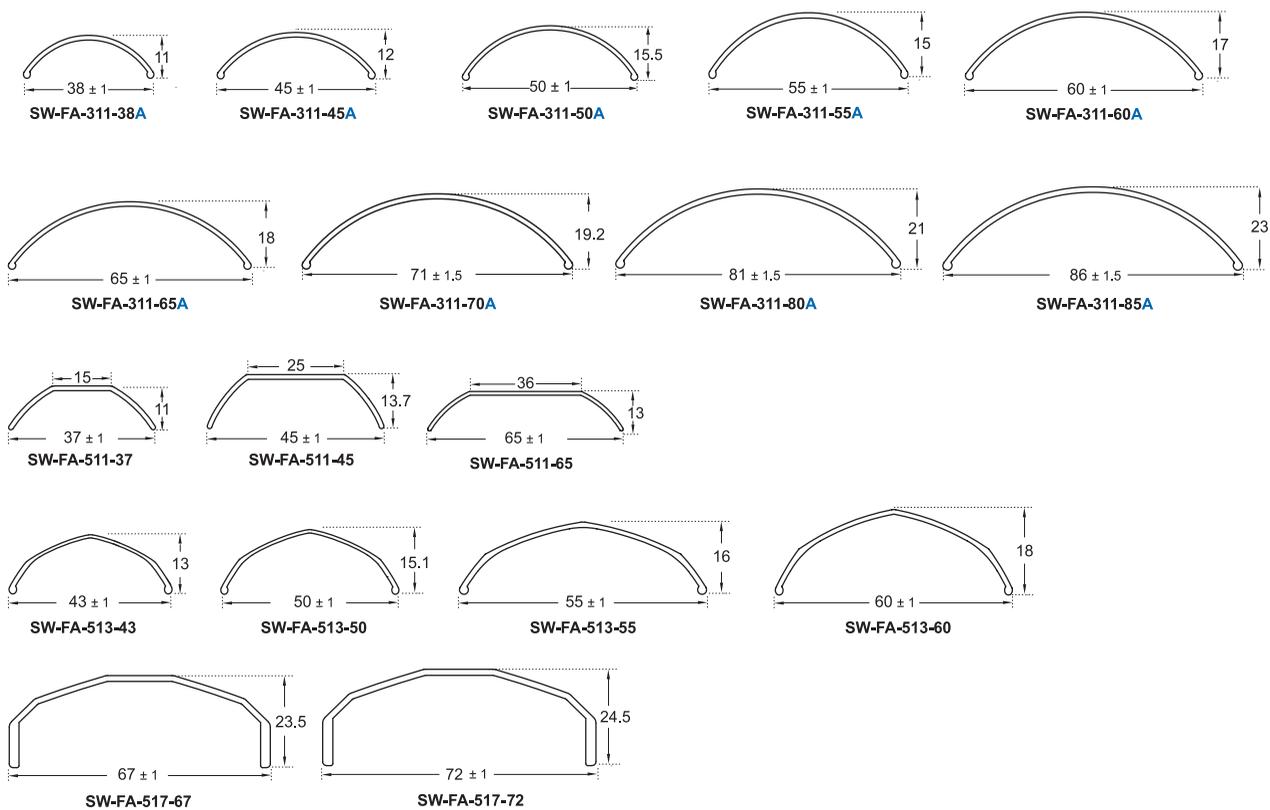
SW-FE-311 E1/E2/E3
FENDER FIXTURES
 All Series
FENDER-STAY
 MSA | MSB | MSI | MSV
 POI | POV | FV Series
STAY-DROPOUT
 TYPE 1-5



Cable Tunnel
 (Fit Cable within ø3mm)
 (cable length:150cm)

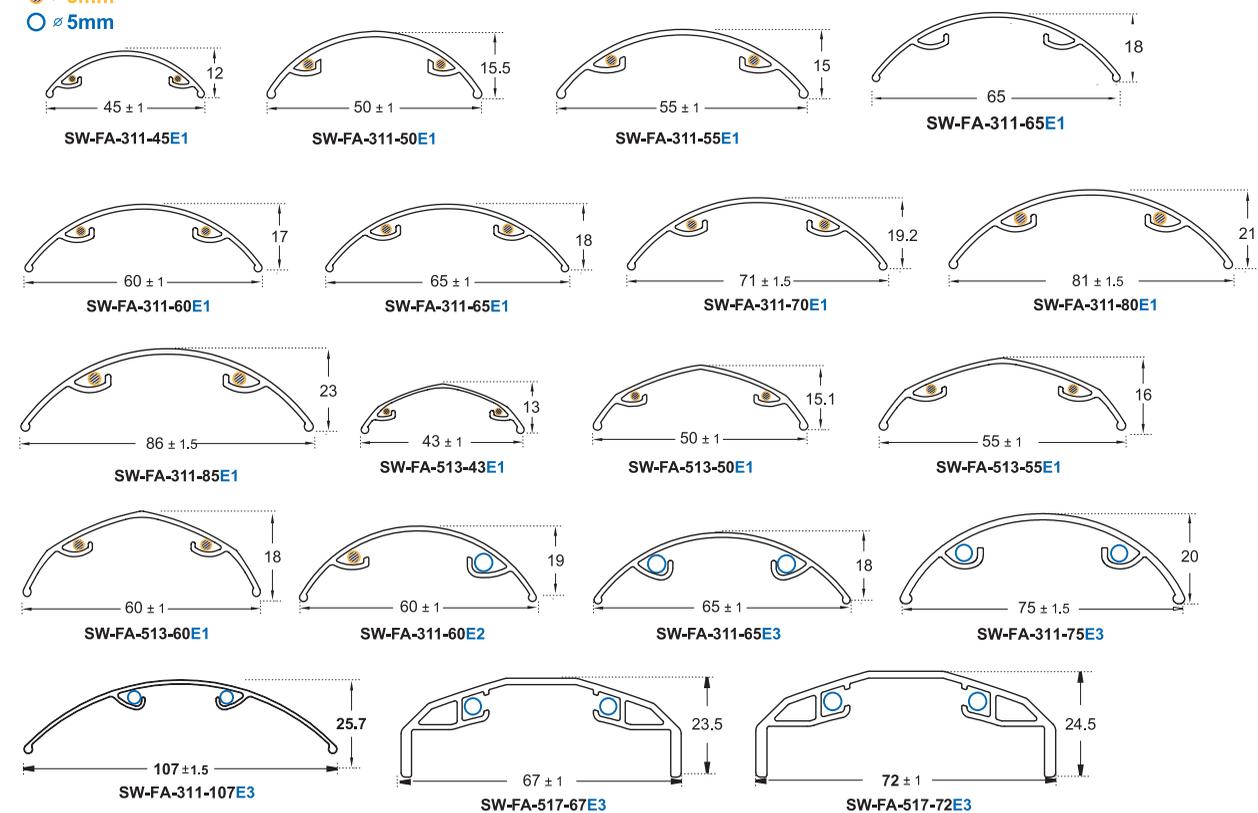
MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE SIZE
FE-311-70	14"	70	200	350	590	130	70	115	SW-800V2	SW-503H1 SW-803N SW-803V	2.1"~2.5"
	18"		250	435	740	145		150			
	20"		275	490	855	145		170			
	24"		325	575	1010	170		205			
	650B 700C		370	640	1125	190		240			
	27.5"		375								
FE-311-100	20"	100	Stick Knobby 310 325	525	890	155	195	N/A		3.2"~3.7"	
	24"		Stick Knobby 355 375	575	1010	170	205				
	26"		395	670	1175	195	255				
FE-311-55E1	26"	55	350	620	1085	185	220	SW-80011		1.5"~1.9 " or 38C ~ 45C	
	650B 700C		370	640	1125	190	240				
	27.5"		375								
FE-311-60E2	26"	60	350	620	1085	185	220	SW-800H		1.9" ~ 2.2"	
	20"		275	490	855	145	170				
FE-311-60E3	650B 700C	60	370	640	1125	190	240	SW-800I		1.75" ~ 2.125" or 45C	
	27.5"		375								
	16"		225	410	620	154	135				
FE-311-65E2	20"	65	275	490	855	145	170	SW-800H		1.9" ~ 2.2"	
	24"		325	575	1010	170	205				
	16"		225	410	620	154	135				
FE-311-65E3	20"	65	275	490	855	145	170	SW-800H		1.9" ~ 2.2"	
	24"		325	575	1010	170	205				
	650B 700C		370	640	1125	190	240				
FE-311-70E3	27.5"	70	375					SW-800V2		2.1"~2.5"	
	14"		200	350	590	130	115				
	18"		250	435	740	145	150				
FE-311-100E2	24"	100	325	575	1010	170	205	N/A		3.2"~3.7"	
	650B 700C		370	640	1125	190	240				
	27.5"		375								
FE-311-100E2	20"	100	Stick Knobby 310 325	525	890	155	195	N/A		3.2"~3.7"	
	24"		Stick Knobby 355 375	575	1010	170	205				
	26"		395	670	1175	195	255				

ALUMINUM FENDER PROFILE



ALUMINUM FENDER CABLE STORAGE TECH PROFILE

- ⊙ 3mm
- 5mm



Aluminum Full-cover Fender

By taking the advantage of its characteristics, the Aluminum fenders not only are light-weight but also easy to shape by various production technics such as rolling and extrusion. Furthermore, the Aluminum fenders are able to be applied with different kind of surface treatments and create fine textures to fit on high-end bicycles.



FENDER CABLE STORAGE

MODEL	12"	14"	16"	18"	20"	22"	24"	26"	650B	700C	28"	29"
	R175	R200	R225	R250	R275	R310	R325	R350	R370	R370	R380	R395
FA-513-43E1					•	•	•	•	•	•	•	•
FA-311-45E1					•	•	•	•	•	•	•	•
FA-311-50E1					•	•	•	•	•	•	•	•
FA-513-50E1					•	•	•	•	•	•	•	•
FA-311-55E1					•	•	•	•	•	•	•	•
FA-513-55E1					•	•	•	•	•	•	•	•
FA-311-60E1					•	•	•	•	•	•	•	•
FA-311-60E2					•	•	•	•	•	•	•	•
FA-513-60E1					•	•	•	•	•	•	•	•
FA-311-65E1					•	•	•	•	•	•	•	•
FA-311-65E3					•	•	•	•	•	•	•	•
FA-517-67E3					•	•	•	•	•	•	•	•
FA-311-70E1					•	•	•	•	•	•	•	•
FA-517-72E3					•	•	•	•	•	•	•	•
FA-311-75E3					•	•	•	•	•	•	•	•
FA-311-80E1					•	•	•	•	•	•	•	•
FA-311-85E1					•	•	•	•	•	•	•	•
FA-311-107E3					•	•	•	•	•	•	•	•

FENDER STAY MOUNTING (FIXED)

ø3.2mm ø3.9mm

SELECTIVE STAY THICKNESS
All fender stay are available in ø3.2mm and ø3.9mm thickness to meet different needs.
Material: • 204 / 304 Stainless Steel: ø3.2 and ø3.9mm
• Steel (ED Black): ø3.9mm

SELECTIVE STAY EYELET DIAMETER

ø5mm^{+0.3}_{-0.1} ø6mm^{+0.3}_{-0.1} ø8mm^{+0.3}₋₀ ø10mm^{+0.3}_{-0.1}



MSA
UPPER-MOUNTED FENDER STAY
Fender stay mounted to the exterior of fenders with choice of stainless/chromed steel upper bracket.



MSB
UNDER-MOUNTED FENDER STAY
Fender stay mounted to the interior of fenders with bolt and screw only.



MSI
SINGLE-STAY + MOUNTED BRACKET
Single fender stay mounted to both sides of fenders with stainless steel under bracket.



MSV
V-STAY + MOUNTED BRACKET
V-style fender stay mounted to both sides of fenders with stainless steel under bracket.
*Recommendable for FRONT & REAR fenders. *stand θ:40°



SW-FV-511 Patented
Flat Aluminum Fender Stay Fastener (For ø3.2 mm FENDER-STAY)



SW-FV-513 Patented
Curved Aluminum Fender Stay Fastener (For ø3.2 mm FENDER-STAY)

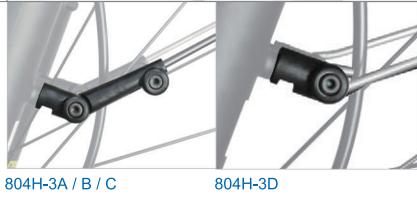
TIRE-WIDTH CHART

20C												
22C												
23C												
25C												
1"												
26C												
1.1"												
28C												
1.125"												
1.25"												
32C												
1.35"												
1.375"												
35C												
1.45"												
38C												
1.5"												
40C												
1.6"												
1.625"												
1.75"												
45C												
1.9"												
1.95"												
2"												
2.10"												
2.125"												
2.2"												
2.35"												
2.4"												
2.5"												
2.6"												
2.7"												
2.8"												
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3.1"												
3.2"												
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3.7"												
3.8"												
4.0"												

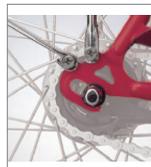
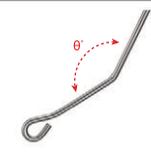
TIRE-FIT CHART

MODEL	12"	14"	16"	18"	20"	22"	24"	26"	650B	700C	27.5"	28"	29"
	R175	R200	R225	R250	R275	R310	R325	R350	R370	R370	R375	R380	R395
FA-311-38A					•	•	•	•	•	•	•	•	•
FA-311-45A					•	•	•	•	•	•	•	•	•
FA-311-50A					•	•	•	•	•	•	•	•	•
FA-311-55A					•	•	•	•	•	•	•	•	•
FA-311-60A					•	•	•	•	•	•	•	•	•
FA-311-65A					•	•	•	•	•	•	•	•	•
FA-311-70A					•	•	•	•	•	•	•	•	•
FA-311-80A					•	•	•	•	•	•	•	•	•
FA-311-85A					•	•	•	•	•	•	•	•	•
FA-511-37					•	•	•	•	•	•	•	•	•
FA-511-45					•	•	•	•	•	•	•	•	•
FA-511-65					•	•	•	•	•	•	•	•	•
FA-513-43					•	•	•	•	•	•	•	•	•
FA-513-50					•	•	•	•	•	•	•	•	•
FA-513-55					•	•	•	•	•	•	•	•	•
FA-513-60					•	•	•	•	•	•	•	•	•
FA-517-67					•	•	•	•	•	•	•	•	•
FA-517-72					•	•	•	•	•	•	•	•	•



	<p>804H-2</p> <ul style="list-style-type: none"> Fender stay thickness $\phi 3.2\text{mm}$ / $\phi 3.9\text{mm}$ / $\phi 5\text{mm}$ Easy installation <p>804H-2A: $\phi 3.2\text{mm}$ 804H-2B: $\phi 3.9\text{mm}$ 804H-2C: $\phi 5\text{mm}$</p>	
	<p>804H-3</p> <ul style="list-style-type: none"> Fender stay thickness $\phi 3.2\text{mm}$ / $\phi 3.9\text{mm}$ / $\phi 5\text{mm}$ / $\phi 6\text{mm}$ stay eyelet Stay eyelet diameter $\phi 6\text{mm}$ <p>804H-3A: $\phi 3.2\text{mm}$ 804H-3B: $\phi 3.9\text{mm}$ 804H-3C: $\phi 5\text{mm}$ 804H-3D: $\phi 6\text{mm}$ stay eyelet</p>	 <p>804H-3A / B / C 804H-3D</p>
	<p>804H-4</p> <ul style="list-style-type: none"> Fender stay: $\phi 9.0\text{mm}$ Material: Aluminum Finishing: Anodized shining black Coating black (gloss) Custom angle bending 	

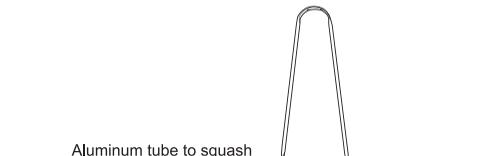
FENDER STAY / DROPOUT HARDWARE

 <p>TYPE 1 FIX-LENGTH STAY WITH 1/4" END</p> <ul style="list-style-type: none"> Fixes on dropout or fork end eyelets. Length customizable. $\phi 5$ / $\phi 6\text{mm}$ 	 <p>TYPE 2 FIX-LENGTH STAY WITH 5/16" END</p> <ul style="list-style-type: none"> Fixes on front or rear hub axle. Length customizable. $\phi 8\text{mm}$
 <p>TYPE 3 FIX-LENGTH STAY WITH 3/8" END</p> <ul style="list-style-type: none"> Fixes on front or rear hub axle. Length customizable. $\phi 10\text{mm}$ 	 <p>TYPE 4 MICRO-ADJUSTABLE STAY WITH U-SHAPE 1/4" END</p> <ul style="list-style-type: none"> Fixes on dropout or fork end eyelets with M5/M6 screw. Length customizable. $\phi 5\text{mm}$
 <p>TYPE 5 MICRO ADJUSTABLE</p> <ul style="list-style-type: none"> Material: 304 Stainless Steel Stay length adjustable by fix SW-804 clips to dropout or fork end eyelets. 	 <p>804M SLIDE SHIM</p> <ul style="list-style-type: none"> Slidable shim gives the possibility with 10mm length adjustment to fender stay.  <p>804M-1 SLIDE SHIM</p> <ul style="list-style-type: none"> Can with no limited length adjustment to fender stay only fit $\phi 5\text{mm}$ fender strut
 <p>PATTERN STAMPING</p> <ul style="list-style-type: none"> Prevent rotation 	 <p>CUSTOM ANGLE BENDING</p>

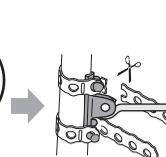
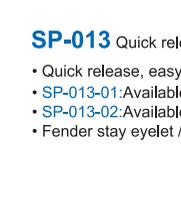
FENDER STAY SAFETY POP-OFF

STAY SAFETY	DESCRIPTION	TYPE / FEATURE	FUNCTION
	 <p>FV-515 Patented (For $\phi 3.2$ / $\phi 3.9\text{mm}$ FENDER-STAY) FENDER STAY SAFETY POP-OFF Material: PA6 Applicable to MSA / MSB / MSI / MSV fender-stays to pop-off when jammed.</p>	<p>MSA MSB MSI MSV</p>	

FENDER STAY MOUNTING (FIXED)

	<p>FV-111 Material: Aluminum</p> <p>UPPER-MOUNTED FENDER STAY</p>	 <p>Aluminum tube to squash</p>
	<p>FV-113A/B Patented Material: Aluminum / 304 Stainless</p> <p>UNDER-MOUNTED FENDER STAY</p>	 <p>FV-113A: Adjustable stay eyelet ;Strut snap on system. FV-113B: Fixed stay eyelet ;Strut snap on system.</p>
	<p>804N-02 UPPER-MOUNTED FENDER STAY</p> <p>Material: 303 Stainless</p>	
	<p>804E-1 UNDER-MOUNTED FENDER STAY Material: Zinc $\phi 3.9$ / $\phi 5\text{mm}$</p>	

FENDER STAY / SEAT STAY HARDWARE

	<p>SP-005 Quick release stay bracket (double strap + plastic screw fix + clip fix)</p> <ul style="list-style-type: none"> Double strap to fit tapered suspension fork. Quick release, easy installation and adjustment. Available for $\phi 3.2$ / $\phi 3.9\text{mm}$ stay. 	
	<p>SP-009 (Front Fork Clamp)</p> <p>SP-009-01: $\phi 39\text{mm}$ SP-009-04: $\phi 43\text{mm}$ SP-009-02: $\phi 41\text{mm}$ SP-009-05: $\phi 44\text{mm}$ SP-009-03: $\phi 42\text{mm}$ SP-009-06: $\phi 45\text{mm}$</p> <ul style="list-style-type: none"> Suitable for straight suspension fork. 	
	<p>SP-011 One-piece-made Quick release stay bracket</p> <ul style="list-style-type: none"> Easy installation with elastic rubber strap. Double strap to fit tapered / straight fork. 	
	<p>SP-013 Quick release stay bracket.(plastic screw fix)</p> <ul style="list-style-type: none"> Quick release, easy installation and adjustment. SP-013-01: Available $\phi 12.7\sim 25.4\text{mm}$ SP-013-02: Available $\phi 19\sim 65\text{mm}$ Fender stay eyelet / FV-517 / FV-515 	
	<p>804H</p> <ul style="list-style-type: none"> Fender stay: $\phi 3.9\text{mm}$ Material: Steel Finishing: ED BK 	 <p>804H-1</p> <ul style="list-style-type: none"> Fender stay: $\phi 5.0\text{mm}$ Material: Steel Finishing: UCP
	<p>804H-5</p> <ul style="list-style-type: none"> Fender stay: $\phi 3.9\text{mm}$ Material: POM <p>804H-5A: $\phi 3.2\text{mm}$ 804H-5B: $\phi 3.9\text{mm}$ 804H-5C: $\phi 5\text{mm}$</p>	 <p>Prevent Rotation $\phi 5\text{mm}$ screw hole 804J • Fender stay: $\phi 3.9\text{mm}$ 804J-1 • Fender stay: $\phi 3.2\text{mm}$</p> <p>$\phi 6\text{mm}$ screw hole 804J-2 • Fender stay: $\phi 5\text{mm}$</p>

FENDER TAILS (FOR ALUMINUM FENDER)

FIX & MATERIAL	FRONT TAIL	REAR TAIL	MODEL	FIT FENDER
CLIP FIX (PC)			SW-503B5	FA-511-37
			SW-503B6	
			SW-503C3	FA-513-50
			SW-503C4	
			SW-503E3	FA-311-45
			SW-503E4	
			SW-503E1	FA-311-38
			SW-503E2	
			SW-503B3	FA-511-45
			SW-503B4	
		SW-503D3	FA-515-50	
		SW-503D4		
		SW-503A1	FA-111-55	
		SW-503A2		
		SW-503C1	FA-513-43	
		SW-503C2		
CLIP FIX (PP)			SW-503F1	FA-311-45E1
			SW-503G1	FA-311-50E1
			SW-503H1	FA-311-55E1
			SW-503I1	FA-311-60E1
			SW-503J1	FA-311-65E1
			SW-503K1	FA-513-50E1
			SW-503L1	FA-513-55E1
			SW-503M1	FA-513-60E1
			SW-503N1	FA-513-43E1
			SW-803 Q	FA-311-55
		SW-803 Q	FA-311-55E1 FA-311-60E1	
		SW-5030	FA-111-55	
		SW-803V-70	FA-311-70A FA-311-70E1	
		SW-803V-75	FA-311-75E3	
CLIP FIX (PP+TPR)			SW-FA-517-67 SW-FA-517-67E3 SW-FA-517-72 SW-FA-517-72E3	SW-FA-517-67 SW-FA-517-67E3 SW-FA-517-2 SW-FA-517-2 E3
RIVET FIX (TPR)			SW-803N-38	FA-311-38A
			SW-803N-45	FA-311-45A
			SW-803N-55	FA-311-55A
			SW-803N-70	FA-311-70A FA-311-70E1

COLOR: BLACK / BLACK TRANSPARENT

STAY SAFETY	DESCRIPTION	TYPE / FEATURE	FUNCTION
	<p>FV-517 Patented (For ø5 mm FENDER-STAY) Adjustable Fender Stay Material: PA6 / Aluminum Length: 120mm. Applicable to MSA/MSB fender-stays to adjust the length.</p> <p>e.g. 29" Bike MSA Fender Stay Length : 394mm. MSA Fender Stay can be adjusted to a length of 394 to 514 mm.</p>	UPPER-MOUNTED FENDER STAY	
	<p>FV-517-1 FENDER STAY SAFETY POP-OFF Material: PA6 / Aluminum Length: 120mm. Applicable to MSA/MSB fender-stays to adjust the length.</p>		
	<p>FV-517A Adjustable Stay Length</p>		
	<p>FV-115 Patented Material: (POM+PA6) / 304 Stainless POP OFF SAFETY OR FASTENER Fixed stay eyelet Strut snap on system</p>	UNDER-MOUNTED FENDER STAY	

FENDER FIXTURES

	<p>SW-800A ~ SW-800I REMOVABLE PLASTIC HANGER • Easy to install and good weathering resistant. • Material: POM • Colour: BK</p>		<p>STAINLESS STEEL SELF-BEND HANGER • Material: Stainless Steel • Fit for Resin Fender Width: Short: 35mm ~ 50mm Long: 50mm ~ 80mm</p>
	<p>SW-805B PRE-BENT CARRIER TYPE HANGER • Connects between carrier & fender when fastener is not used. • Pre-bent to fit selected fender and cutout ready to fit reflector. • Material: Steel / Finishing: ED BK • Fit for Fender Width ≤ 59mm</p>		<p>SW-805E SELF-BEND CARRIER TYPE HANGER • Connects between carrier & fender when fastener is not used. • Pre-bent to fit selected fender and cutout ready to fit reflector. • Material: Steel / Finishing: ED BK • Fit for Resin Fender Width: 50mm ~ 70mm</p>
	<p>SCBM-1 STANDARD FENDER-CHAINSTAY BRIDGE MOUNT (For Fender Width within 55mm.) • Bolt fits between fender and chainstay bridge.</p>		<p>SCBM-2 STANDARD FENDER-CHAINSTAY BRIDGE MOUNT (For Fender Width above 60mm.) • Bolt fits between fender and chainstay bridge.</p>
	<p>SW-804B QUICK CLIP FENDER-CHAINSTAY BRIDGE MOUNT • Material: Steel / Finishing: ED BK • For chain stay ≤ ø15mm • Clip-in between fender and chainstay bridge (no tool required)</p>		<p>SW-804B-1 QUICK CLIP FENDER-SEAT TUBE STAY BRIDGE MOUNT • Material: PA6 / Finishing: BLACK • Fit ø28.6 ~ ø31.8mm seat-tube.</p>
	<p>FE-113R QUICK MOUNT (FOR SEAT TUBE BRIDGE)</p>		<p>SW-802B HANGER-FORK WASHER • Material: PP R14.5mm recessed to fit fork sleeve tube.</p>
	<p>SW-802A HANGER-BRIDGE WASHER • Material: PP R7mm recessed to fit bridge tube.</p>		
	<p>SW-804F BEVELED CUSHION • Material: TPR • For clearance 2mm~ 5mm. • Fix between fender and carrier for noise reduction purpose.</p>		<p>SW-804F01 PAD • Material: PP • Adapt with SW-804F ,for clearance ≥ 5mm.</p>

CABLE STORAGE TECH

SW-801C

- Cable Tunnel
 • Fit Cable within $\varnothing 4.5\text{mm}$
 • Fit $\varnothing 3.9\text{mm}$ fender stay



SW-801E1

- Patented**
 Cable Tunnel
 (Fit Cable within $\varnothing 3\text{mm}$)



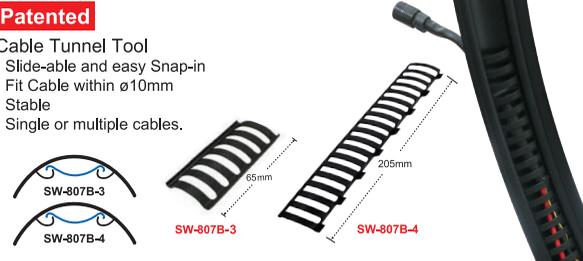
SW-801E2 **Patented**

- Cable Tunnel
 (Fit Cable within $\varnothing 3\text{mm}$ & $\varnothing 5\text{mm}$)



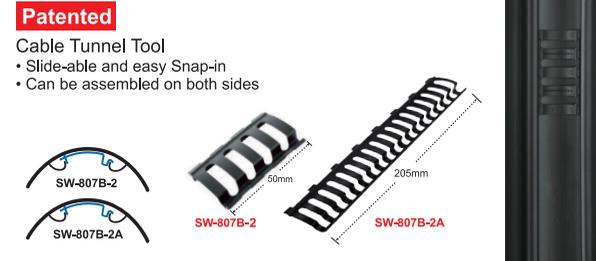
SW-807B-3 / SW-807B-4

- Patented**
 Cable Tunnel Tool
 • Slide-able and easy Snap-in
 • Fit Cable within $\varnothing 10\text{mm}$
 • Stable
 • Single or multiple cables.



SW-807B-2 / SW-807B-2A

- Patented**
 Cable Tunnel Tool
 • Slide-able and easy Snap-in
 • Can be assembled on both sides



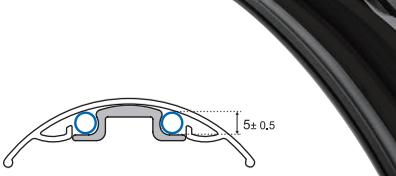
SW-801E3

- Patented**
 Cable Tunnel
 (Fit Cable within $\varnothing 5\text{mm}$)



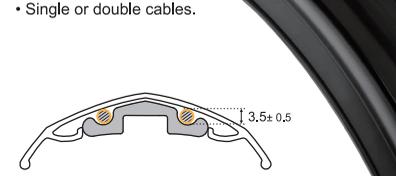
SW-809-01

- Patented**
 Cable Tunnel Tool
 • Fit Cable within $\varnothing 5\text{mm}$
 • Single or double cables.



SW-809-02

- Patented**
 Cable Tunnel Tool
 • Slide-able and easy Snap-in
 • Fit Cable within $\varnothing 3.5\text{mm}$
 • Single or double cables.



SW-809-03

- Supporting Brace
 • Material: Stainless
 • Finish: ED black



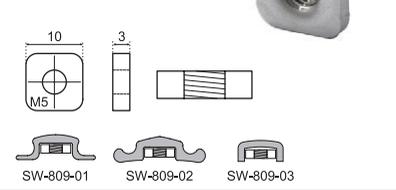
SW-808

- Fit Cable within $\varnothing 25\text{mm}$



SW-804E

- Washer
 • Material: Stainless
 • Finish: ED black
 • For M5 screw



SW-NP-111

- License Plate Holder
 • Material: PA6+30%GF
 • Tire fit: 26"-28"
 • P.C & ALU.
 full-cover applicable.



SW-FC-111A

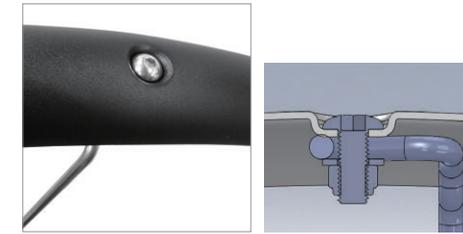
- Compatible with DOSUN RX3
 • For Fender width 45mm-80mm / 700C-29" bike



APPEARANCE TECHNICAL & FIXTURE



TAILS SHAPE DESIGN



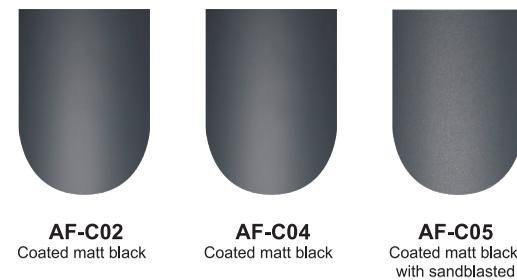
CONCAVE Design for fender stay mounting



POLYESTER NAMEPLATE

COLOR & SURFACE TREATMENT CHART

- Customizable anodize and painting treatment.
- Customizable fender color and length.



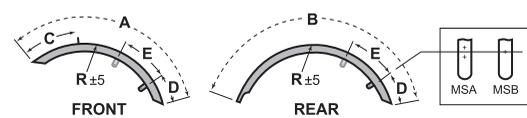
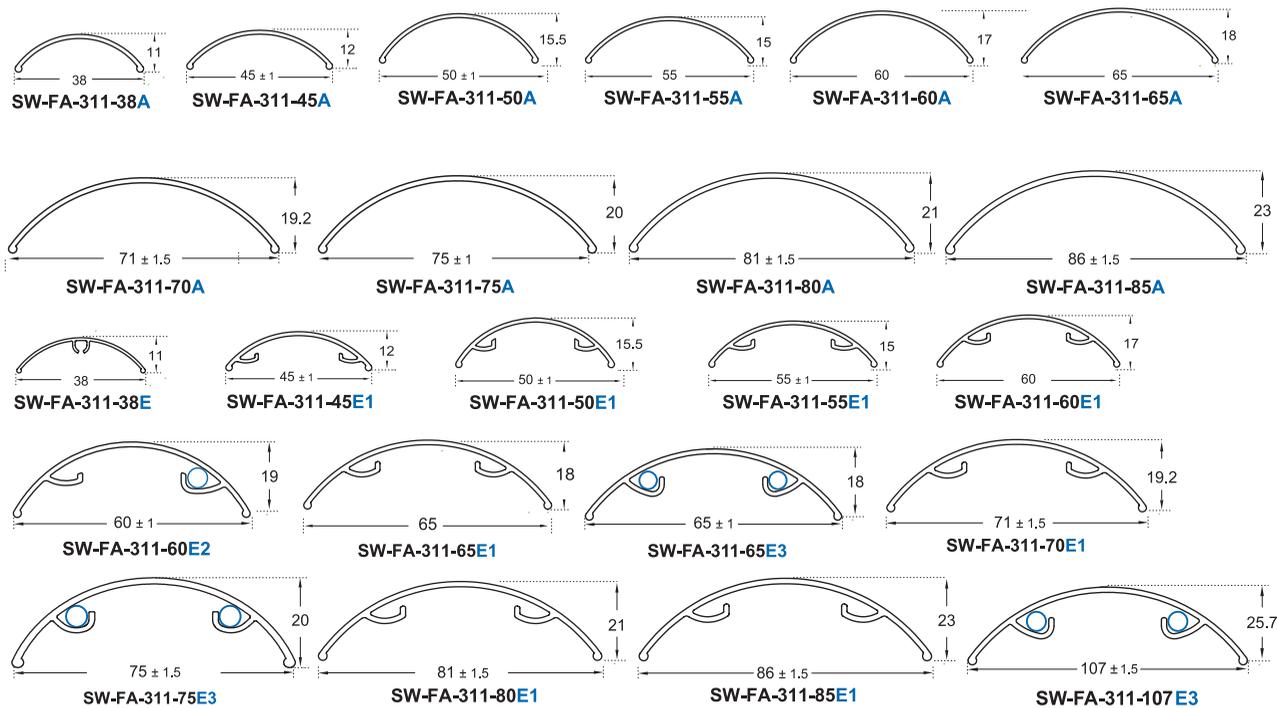
SW-FA-311 series

• Material: Aluminum



- FENDER FIXTURES**
SW-8001 | L-Hanger
SW-800J | SW-803V | SW-803N
- FENDER-STAY**
MSA | MSB | MSI | MSV
- STAY-DROPOUT**
TYPE 1 ~ 5

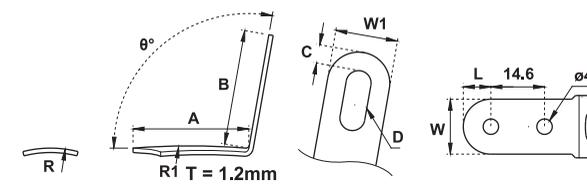
∅5mm



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-311-38A FA-311-38E	20"	38mm	275	490	855	145	70	170	800R-G	SW-803N-38 (FA-311-38A)	1"~1.25"or 22C ~ 32C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			

L-HANGER CHART (Curved Design)

• Material: 304 Stainless Steel

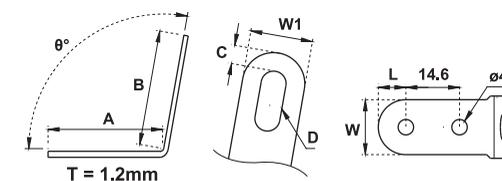


* Standard: SW-8001 for Front Fender / SW-8002 for Rear Fender.

HANGER	θ°	A	B	C	D	L	W	W1	R	R1
*8001	100°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
*8002	100°	31.3	24.4	4.6	6.8 x 16	7.5	14	16	12.9	156.8
8003	104°	28.5	26	3.3	6.5 x 13	4.5	13	13	12.9	156.8
8004	100°	31.5	25.9	4	6.5 x 15	7.5	15	17	12.9	
8005	100°	31.5	53.8	5	7.5 x 22.5	7.5	15	17.5	30	
8006	100°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5	12.9	156.8
8006-1	100°	31.5	38.8	5	6.8 x 20	7.5	15	17.5	12.9	156.8
8006-4	100°	31.5	38.8	5	5.2 x 22.5	7.5	15	17.5	12.9	156.8
8007	100°	31.3	30.6	5.1	6.8 x 16.5	7.2	12.7	17	12.9	156.8
8007-1	106°	31.3	30.6	5.1	6.8 x 16.5	7.2	12.7	17	12.9	156.8
8008	86°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8009	84°	31.5	25.9	4	6.5 x 15	7.5	15	17	12.9	156.8
8010	104°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8011	106°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8012	110°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8014	104°	28.5	31.4	3.3	6.5 x 16.5	4.5	13	13	13	
8015	106°	31	37.5	5	7.5 x 23	7.5	15	17.5	12.9	156.8
8017	92°	31.3	24.4	4.6	6.8 x 16	7.5	14	16	12.9	320
8018	92°	31.5	31.4	5.1	6.8 x 21.5	7.5	15	17	12.9	156.8
8019	84°	31.5	36	5	6.8 x 26	7.5	15	17.5	12.9	156.8
8019-1	100°	31.5	36	5	6.8 x 26	7.5	15	17.5	12.9	156.8
8022	90°	31.6	31.4	5	6.8 x 24.5	7.5	14.5	17	17	371.27 * only for FE-131
8023	90°	29.5	26	4.3	6.8 x 18	4.5	18	18		185 * only UPPER
8024	90°	29.5	19.3	4.3	6.8 x 11	4.5	18	18		185 * only UPPER

L-HANGER CHART (Flat Design)

• Material: 304 Stainless Steel

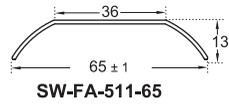
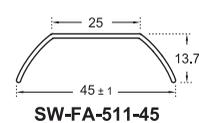
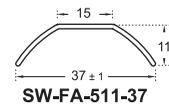


* Standard: SW-815 for Front Fender / SW-8002-1 for Rear Fender.

HANGER	θ°	A	B	C	D	L	W	W1	R	R1
8002-1	100°	31.3	24.4	4.6	6.8 x 16	7.5	14	16		
8005-1	120°	31.5	53.8	5	7.5 x 22.5	7.5	15	17.5		
8006-2	77°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5		
8006-3	85°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5		
8020	90°	31.4	27	5.1	6.5 x 17	7.5	15	17		156.8
815	100°	31.5	32	5.1	6.8 x 15.5	7.5	15	17		
815-1	100°	38.9	24	5.1	6.8 x 15.5	7.5	15	17		
8021	92°	31.5	24	4.6	6.8 x 16	7.5	14	16		

SW-FA-511-37 / 45 / 65

• Material: Aluminum



FENDER FIXTURES

SW-815 | L-Hanger

FENDER-STAY

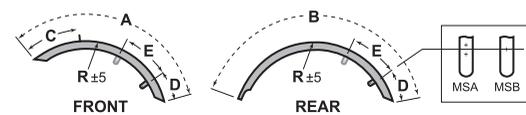
MSA | MSB | MSI | MSV

STAY-DROPOUT

TYPE 1 ~ 5



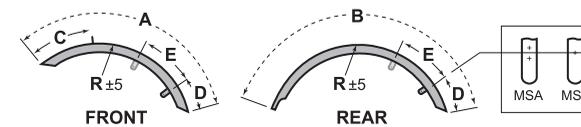
Sleek Look on Roadbike



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-511-37	20"	37mm	275	490	855	145	70	170	SW-800P-B	SW-503B5 SW-503B6	1" ~ 1.125" or 22C ~ 28C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			

SW-FA-311 series

SW-803N-55
SW-803 Q



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-311-45A FA-311-45E1	20"	45mm	275	490	855	145	70	170	SW-800R-F	SW-803N-45 (FA-311-45A) SW-503F1 (FA-311-45E1)	1.125" ~ 1.5" or 32C ~ 38C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-50A FA-311-50E1	20"	50mm	275	490	855	145	70	170	800S-A	SW-503G1 (FA-311-50E1)	1.35" ~ 1.75" or 35C ~ 40C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-55A FA-311-55E1	20"	55mm	275	490	855	145	70	170	SW-800J	SW-803N-55 (FA-311-55A) SW-503H1 (FA-311-55E1) SW-803Q (FA-311-55E1)	1.5" ~ 1.9" or 40C ~ 45C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-60A FA-311-60E1	20"	60mm	275	490	855	145	70	170	800R-I	SW-503I1 (FA-311-60E1) SW-803Q (FA-311-60E1)	1.75" ~ 2.125" or 45C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-60E2	20"	60mm	275	490	855	145	70	170	800R-I		1.75" ~ 2.125" or 45C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-65A FA-311-65E1 FA-311-65E3	20"	65mm	275	490	855	145	70	170	800R-H	SW-503J1 (FA-311-65E1)	1.9" ~ 2.2"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-70A FA-311-70E1	20"	70mm	275	490	855	145	70	170	800R-K	SW-803V-70 (FA-311-70A) (FA-311-70E1)	2.10" ~ 2.5"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-75E3	20"	75mm	275	490	855	145	70	170	N/A	SW-803V-75	2.35" ~ 2.7"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-80A FA-311-80E1	20"	80mm	275	490	855	145	70	170	800R-L		2.5" ~ 2.7"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-85A	20"	85mm	275	490	855	145	70	170	N/A		2.6" ~ 2.8"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-85E1	20"	85mm	275	490	855	145	70	170	N/A		2.7" ~ 3"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-311-110E3	20"	110mm	275	490	855	145	70	170	N/A		3.7" ~ 4.0"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			

SW-FA-513 series

• Material: Aluminum



FENDER FIXTURES

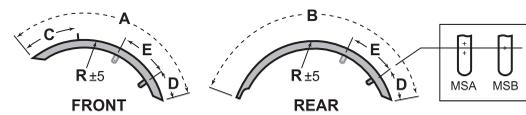
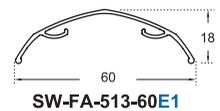
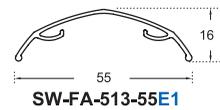
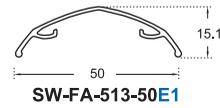
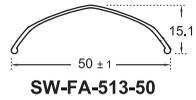
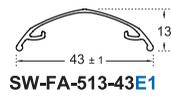
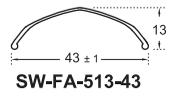
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FENDER-STAY

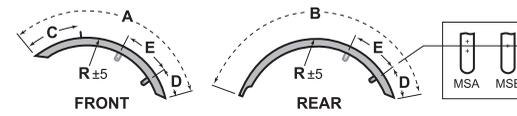
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STAY-DROPOUT

TYPE 1 ~ 5



SW-FA-511-37 / 45 / 65

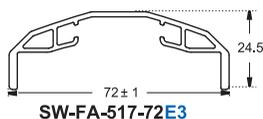
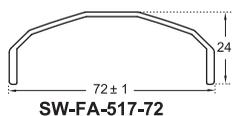
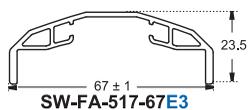
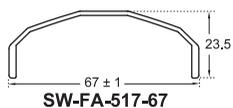


MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-511-45	20"	45mm	275	490	855	145	70	170	SW-800R-B	SW-503B3 SW-503B4	1.125" ~ 1.5" or 32C ~ 38C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-511-65	20"	65mm	275	490	855	145	70	170	800R-J		1.9" ~ 2.2"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-513-43 FA-513-43E1	20"	43mm	275	490	855	145	70	170	SW-800R-C	SW-503C1 SW-503C2	1.1" ~ 1.45" or 28C ~ 35C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			

SW-FA-517 series

• Material: Aluminum



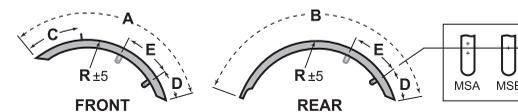
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MSI

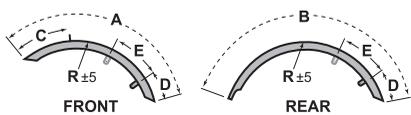
STAY-DROPOUT

804H-4

SW-FA-513 series



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-513-50 FA-513-50E1	20"	50mm	275	490	855	145	70	170	SW-800S-A	SW-503C3 (FA-513-50) SW-503C4 (FA-513-50) SW-503K1 (FA-513-50E1)	1.35" ~ 1.75" or 35C ~ 40C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-513-55 FA-513-55E1	20"	55mm	275	490	855	145	70	170	SW-800S-D	SW-503L1 (FA-513-55E1)	1.5" ~ 1.9" or 40C ~ 45C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-513-60 FA-513-60E1	20"	60mm	275	490	855	145	70	170	SW-513-60	SW-503M1 (FA-513-60E1)	1.75" ~ 2.125" or 45C
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			



Cable Tunnel
(Fit Cable within ø5mm)

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE WIDTH
FA-517-67 FA-517-67E3	20"	67mm	275	490	855	145	70	170	N/A		2" ~ 2.4"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			
FA-517-72	20"	72mm	275	490	855	145	70	170	N/A		2.2" ~ 2.6"
	650B 700C		370	640	1125	190		240			
FA-517-72E3	20"	72mm	275	490	855	145	70	170	N/A		2.2" ~ 2.6"
	22"		310	525	890	155		195			
	24"		325	575	1010	170		205			
	26"		350	620	1085	185		220			
	650B 700C		370	640	1125	190		240			
	28"		380	640	1125	190		240			
	29"		395	670	1175	195		255			