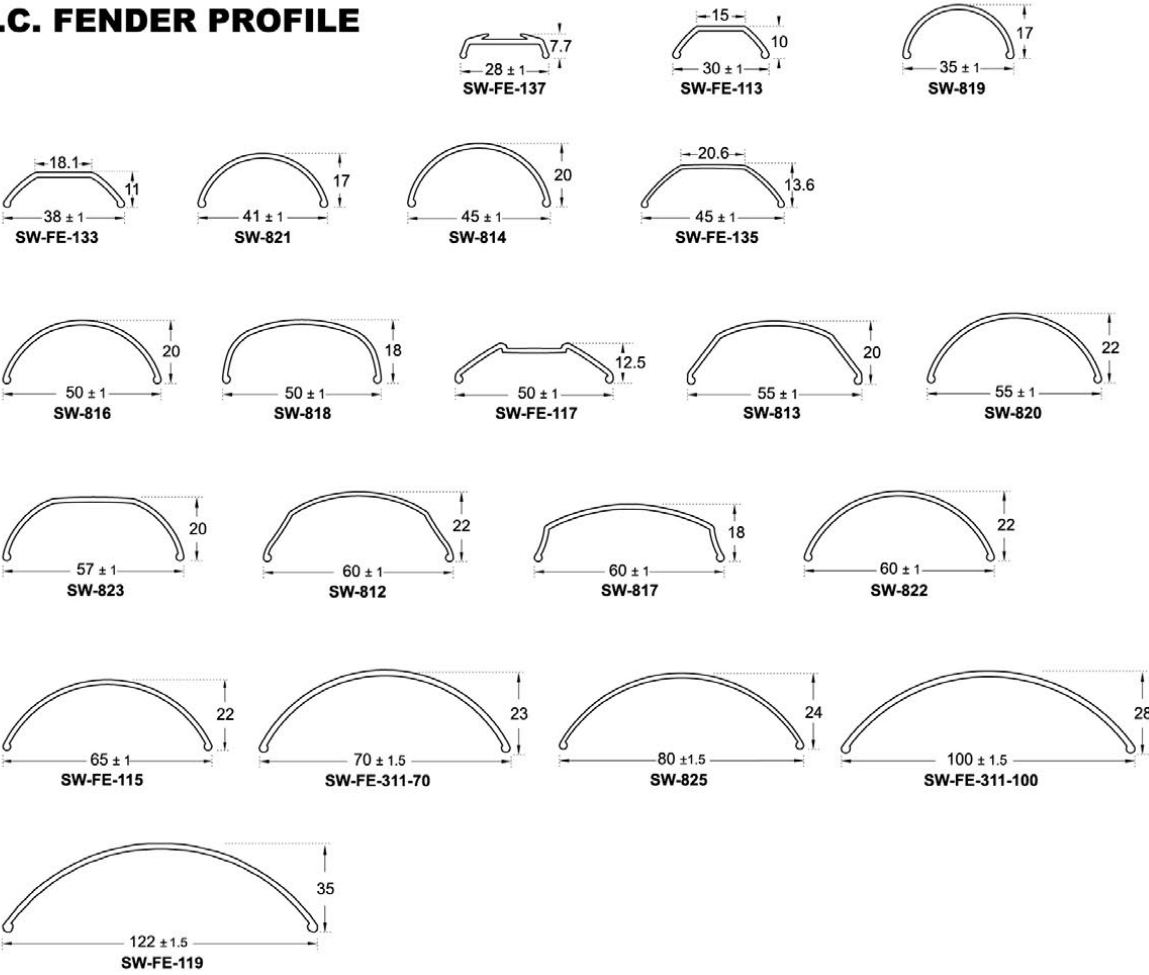
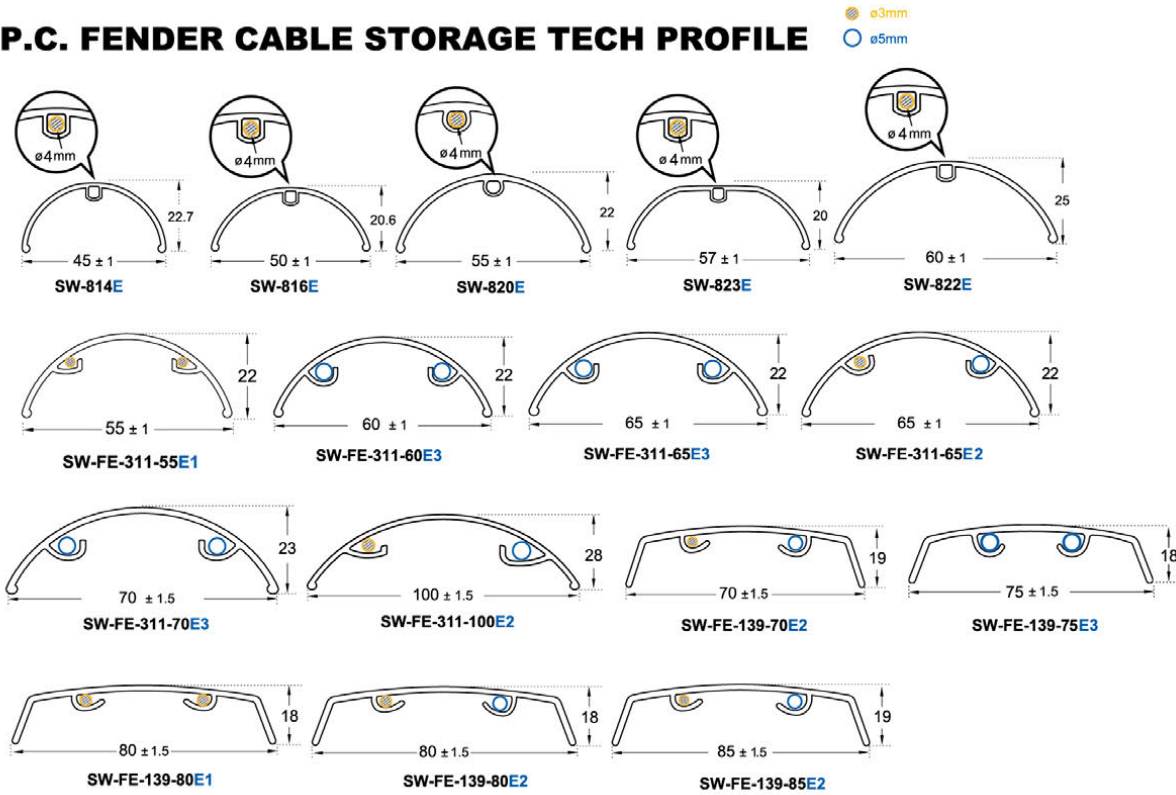


P.C. FENDER PROFILE



P.C. FENDER CABLE STORAGE TECH PROFILE



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

[illegible]

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
FE-113	●		●		●			●	●	●	●		●
FE-115									●	●			
FE-117						●			●	●	●		
FE-119													
FE-133									●	●			
FE-135									●	●			
FE-137									●	●			
SW-812					●		●	●					
SW-813			●	●	●								
SW-814					●		●	●	●	●	●	●	
SW-816	●	●	●	●	●	●	●	●	●	●	●	●	
SW-817							●	●	●		●		●
SW-818								●	●	●			
SW-819					●			●	●	●			
SW-820					●		●	●	●	●			
SW-821					●			●	●	●			
SW-822				●	●		●	●	●	●			●
SW-823									●	●			
SW-825					●			●			●		●
FE-311-70		●		●			●		●	●	●		
FE-311-100							●		●	●			●

[illegible]

FENDER STAY SAFETY POP-OFF



FV-515 Patented
(For ø3.2 / ø3.9 mm FENDER-STAY)
FENDER STAY SAFETY POP-OFF
Material: PA6
Applicable to MSA / MSB / MSI / MSV fender-stays to pop-off when jammed.

MSA
MSB
MSI
MSV



FENDER STAY MOUNTING (FIXED)



804N-02
UPPER-MOUNTED
FENDER STAY
Material: 303 Stainless



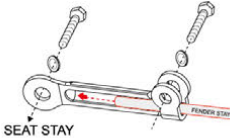
804E-1
UNDER-MOUNTED
FENDER STAY
Material: Zinc
• ø3.9mm / ø5mm



FENDER STAY / SEAT STAY HARDWARE



804H • Fender stay: ø3.9mm
• Material: Steel
• Finishing: ED BK



804H-1 • Fender stay: ø5.0mm
• Material: Steel
• Finishing: UCP



804H-2
• Fender stay thickness ø3.2mm / ø3.9mm / ø5mm
• Easy installation



804H-3
• Fender stay thickness ø3.2mm / ø3.9mm / ø5mm / ø6mm stay eyelet
• Stay eyelet diameter ø6mm



804H-5
• Fender stay: ø3.9mm
• Material: POM



804M SLIDE SHIM
• Slidable shim gives the possibility with 10mm length adjustment to fender stay.



804M-1 SLIDE SHIM
• Can with no limited length adjustment to fender stay
• only fit ø5mm fender strut



804J • Fender stay: ø3.9mm
804J-1 • Fender stay: ø3.2mm



804J-2 • Fender stay: ø5mm

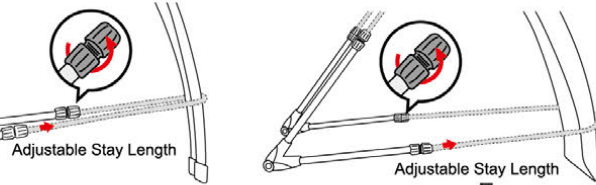


804H-3A / B / C

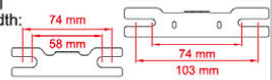
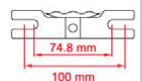
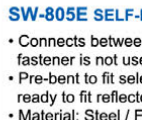
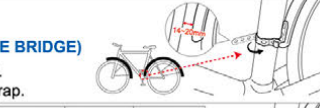
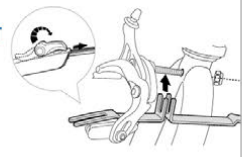
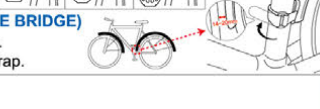
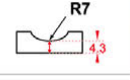
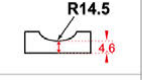
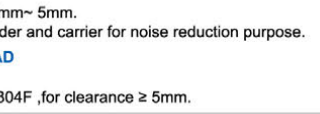


804H-3D

FENDER STAY SAFETY POP-OFF

STAY SAFETY	DESCRIPTION	FIT STAY	FUNCTION
 FPOP	QR FASTENER (For ø3.2 / ø3.9 mm FENDER-STAY) Material: POM Slide along fender for position adjust. Allows 20mm travel adjustment.	POI POV	
 POP OFF	SAFETY QR FASTENER (For ø3.2 / ø3.9 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.	POI POV	 Auto-detach When Jammed
 POP OFF 1	SAFETY QR FASTENER (For ø3.2 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.	POI POV	
 POP OFF 3	SAFETY QR FASTENER (For ø3.2 / ø3.9 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.	POI POV	 Auto-detach When Jammed
 POP OFF 5	SAFETY QR FASTENER (For ø3.2 / ø3.9 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.	POI POV	 Auto-detach When Jammed
 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. e.g. 29" Bike MSA Fender Stay Length : 394mm. MSA Fender Stay can be adjusted to a length of 394 to 514 mm.	 Fender Stay	UPPER-MOUNTED FENDER STAY	
 FV-517-1 FENDER STAY SAFETY POP-OFF Material: PA6 / Aluminum Length: 120mm. Applicable to MSA/MSB fender-stays to adjust the length.	 Adjustable Stay Length		

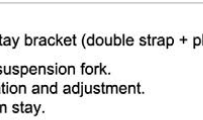
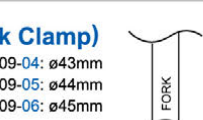
FENDER FIXTURES

 SW-800A ~ SW-800I REMOVABLE PLASTIC HANGER • Easy to install and good weathering resistant. • Material: POM • Colour: BK	 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 	 STAINLESS STEEL SELF-BEND HANGER • Material: Stainless Steel • Fit for Resin Fender Width: Short: 35mm ~ 50mm Long: 50mm ~ 80mm 
 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 	 SCBM-1 STANDARD FENDER-CHAINSTAY BRIDGE MOUNT (For Fender Width within 55mm.) • Bolt fixes between fender and chainstay bridge.	 SCBM-2 STANDARD FENDER-CHAINSTAY BRIDGE MOUNT (For Fender Width above 60mm.) • Bolt fixes between fender and chainstay bridge.
 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)	 SW-804B-1 QUICK CLIP FENDER-SEAT TUBE STAY BRIDGE MOUNT • Material: PA6 / Finishing: BLACK • Fit ø28.6 ~ ø31.8mm seat-tube.	
 FE-113R QUICK MOUNT (FOR SEAT TUBE BRIDGE) • Easy installation. • Elastic rubber strap. 	 SA1-01 QUICK CLIP FENDER-SEAT (FOR FRONT FORK HOLE) • Finishing: BLACK • SW-FE-113 / SW-FE-133 / SW-FE-135 	
 FE-113R1 QUICK MOUNT (FOR SEAT TUBE BRIDGE) • Easy installation. • Elastic rubber strap. 	 SW-802A HANGER-BRIDGE WASHER • Material: PP • R7mm recessed to fit bridge tube. 	 SW-802B HANGER-FORK WASHER • Material: PP • R14.5mm recessed to fit fork sleeve tube. 
 SW-804F BEVELED CUSHION • Material: TPR • For clearance 2mm~ 5mm. • Fix between fender and carrier for noise reduction purpose. SW-804F01 PAD • Material: PP • Adapt with SW-804F ,for clearance ≥ 5mm. 	 SW-804F01 PAD • Material: PP • Adapt with SW-804F ,for clearance ≥ 5mm. 	

FENDER TAILS

FIX & MATERIAL	FENDER TAIL	MODEL	FIT FENDER
RIVET FIX (T.P.R.)		SW-803C-35	SW-819
		SW-803C-40	SW-821
		SW-803C-45	SW-FE-111 SW-814
		SW-803C-50	SW-816
		SW-803C-60	SW-812 SW-822 SW-823
		SW-803C-70	SW-FE-311-70
		SW-803C-80	SW-825
		SW-803C-122	SW-FE-119
		SW-803 J	SW-821
		SW-803 K	SW-814 SW-FE-111
		SW-803 L	SW-816 SW-818
		SW-803 M	SW-813 SW-820 SW-823
			SW-FE-311-55E1 SW-812
			SW-FE-311-60E3 SW-817
		SW-803 N	SW-822 SW-FE-115
		SW-803 O	SW-819 SW-824
		SW-803 D	SW-814 SW-816 SW-FE-111
		SW-803 H	SW-819 SW-824 SW-821
		SW-803 P	SW-813
		SW-803P-70E SW-803P-80E	SW-FE-139-70E2 SW-FE-139-80E1
FIX & MATERIAL	FENDER TAIL	MODEL	FIT FENDER
RIVET FIX (T.P.R.)		SW-803N-70	SW-FE-311-70 SW-FE-311-65E3 SW-FE-311-70E3
CLIP FIX (T.P.R.+PP)		SW-803 Q	SW-814 SW-816 SW-818
		SW-803 U	SW-819
		SW-803 R	SW-FE-311-55E1 SW-820 SW-FE-311-60E3
		SW-803 V	SW-822 SW-FE-115
		SW-803 S	SW-812 SW-823
		SW-803 S-30	SW-FE-113
		SW-803 S-38	SW-FE-133
		SW-803 S-45	SW-FE-135
		SW-803V-65E	SW-FE-311-65E3
		SW-803V-70E	SW-FE-311-70 SW-FE-311-70E3

FENDER STAY / SEAT STAY HARDWARE

 SP-005 Quick release stay bracket (double strap + plastic screw fix + clip fix) • Double strap to fit tapered suspension fork. • Quick release, easy installation and adjustment. • Available for ø3.2 / ø3.9 mm stay.	 SP-009 (Front Fork Clamp) SP-009-01: ø39mm SP-009-04: ø43mm SP-009-02: ø41mm SP-009-05: ø44mm SP-009-03: ø42mm SP-009-06: ø45mm • Suitable for straight suspension fork.	 SP-011 One-piece-made Quick release stay bracket • Easy installation with elastic rubber strap. • Double strap to fit tapered / straight fork.
 SP-013 Quick release stay bracket.(plastic screw fix) • Quick release, easy installation and adjustment. • SP-013-01: Available ø12.7~25.4mm • SP-013-02: Available ø19~65mm • Fender stay eyelet / FV-517 / FV-515		

FENDER STAY / DROPOUT HARDWARE

 TYPE 1 FIX-LENGTH STAY WITH 1/4" END • Fixes on dropout or fork end eyelets. • Length customizable. • ø5 / ø6mm	 TYPE 2 FIX-LENGTH STAY WITH 5/16" END • Fixes on front or rear hub axle. • Length customizable. • ø8mm
 TYPE 3 FIX-LENGTH STAY WITH 3/8" END • Fixes on front or rear hub axle. • Length customizable. • ø10mm	 TYPE 4 MICRO-ADJUSTABLE STAY WITH U-SHAPE 1/4" END • Fixes on dropout or fork end eyelets with M5/M6 screw. • Length customizable. • ø5mm
 TYPE 5 MICRO ADJUSTABLE • Material: 304 Stainless Steel • Stay length adjustable by fix SW-804 clips to dropout or fork end eyelets.	
 PATTERN STAMPING • Prevent rotation	 CUSTOM ANGLE BENDING

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



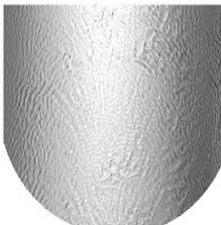
RF-A05
Matte Aluminium Foil
+ 2 Clear Lines
+ Centre Shiny Aluminium Foil



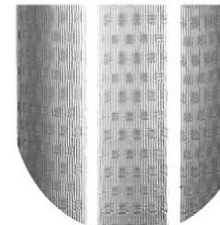
RF-L03
Colour-Side line



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

SW-801E
SINGLE Cable Tunnel
• Fit Cable within ø3.5mm
• cable length:150cm
• Slide-in

SW-801E1
Patented
Cable Tunnel
(Fit Cable within ø3mm)

SW-801E2
Patented
Cable Tunnel
(Fit Cable within ø3mm & ø5mm)

SW-801E3
Patented
Cable Tunnel
(Fit Cable within ø5mm)

SW-801E4
Patented
Cable Tunnel
(Fit Cable within ø3.8mm)

SW-809-01
Patented
Cable Tunnel Tool
• Fit Cable within ø5mm
• Single or double cables.

SW-808
Fit Cable within ø25mm

SW-807B
Patented
Cable Tunnel Tool
• Slide-able and easy Snap-in
• Fit Cable within ø10mm
• Stable
• Single or multiple cables.

SW-807B-1 SW-807B-3
Patented
Cable Tunnel Tool
• Slide-able and easy Snap-in
• Fit Cable within ø10mm
• Can be assembled on both side
• Only for SW-801E3

SW-804E
Washer
• Material: Stainless
• Finish: ED black
• For M5 screw

SW-801B
Cable Buttons
(Button distance:105mm)
• Fit Cable within ø2mm

SW-801C
Cable Tunnel
• Fit Cable within ø4.5mm
• Fit ø3.9mm fender stay

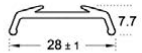
SW-NP-111
License Plate Holder
• Material:PA6+30%GF
• Tire fit:26"~28"
• P.C & ALU.
full-cover applicable.

SW-FC-111F
• Compatible with LITEMOVE AE-200 Speed Pedelec
• For Fender width 45mm~80mm / 700C~29" bike

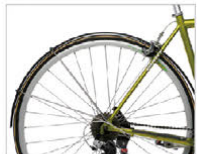
SW-FC-111R
• Compatible with LITEMOVE TS-FD
• For Fender width 45mm~80mm / 700C~29" bike

SW-FE-137

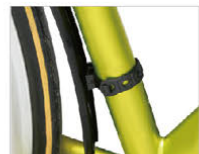
- Material: PC
- Designed for Road-bike.



Sleek Look on Roadbike



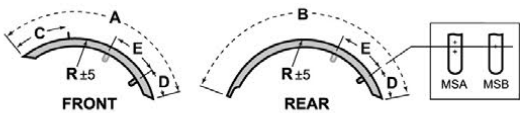
Sleek Look on Roadbike



Smart Fixture for Roadbike



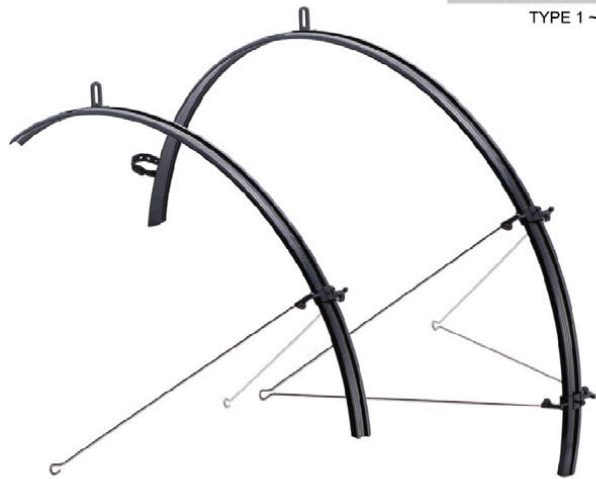
Slide-in Fender Stay



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-137	650B 700C	28mm	370	640	1125	FE-13703 (Slidable)			FE-13701	20C ~ 23C

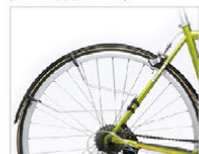
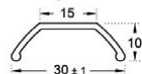
FENDER-STAY
FE-13703 | MSI | MSV

STAY-DROPOUT
TYPE 1 ~ 5



SW-FE-113

- Material: PC
- Designed for Road-bike.



Sleek Look Roadbike



Sleek Look Roadbike



Quick-release Fender Stay
(SP-011)



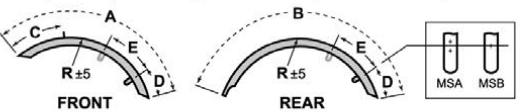
Smart Fixture for Roadbike



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

FENDER TAIL
SW-803S-30

FENDER FIXTURES
SW-815 | L-Hanger

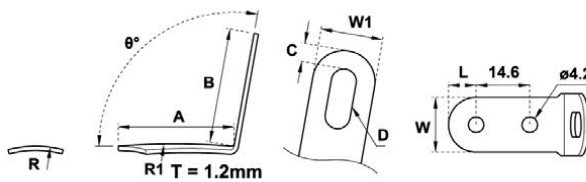
FENDER-STAY
POI | POV

STAY-DROPOUT
TYPE 1 ~ 5



L-HANGER CHART(Curved Design)

• Material: 304 Stainless Steel

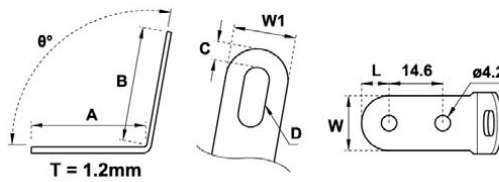


* Standard: **SW-8001** for Front Fender / **SW-8002** for Rear Fender.

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	
8005-2	100°	31.5	53.8	5	9.5 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

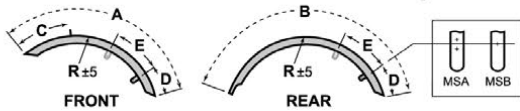


* Standard: **SW-815** for Front Fender / **SW-8002-1** for Rear Fender.

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

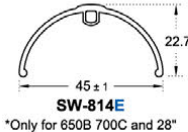
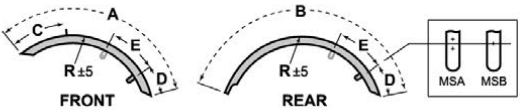
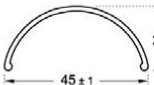
- Material: PC
- Various color choices.



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.



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														

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

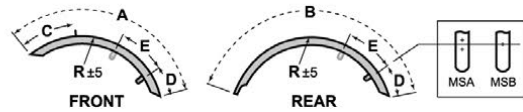
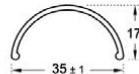
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-819

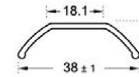
- Material: PC
- Various color choices.



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

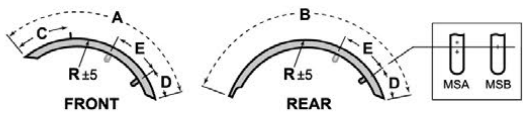
- Material: PC
- Designed for Road-bike.



Safety-release(POP OFF3)



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



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

FENDER TAIL

SW-803S-38

FENDER FIXTURES

SW-815 | L-Hanger

FENDER-STAY

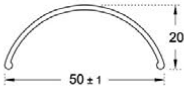
MSI | MSV | POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-816

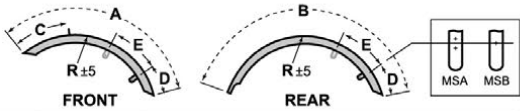
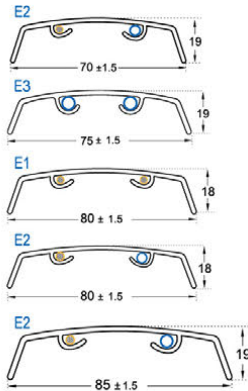
- Material: PC
- Various color choices.



- 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

SW-FE-139 E1/E2/E3

- Material: PC
- Various color choices.

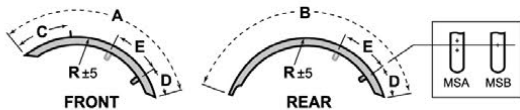
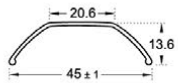


- FENDER FIXTURES**
SW-800Y1 | L-Hanger
SCBM-2
- FENDER-STAY**
MSA | MSB | MSI | MSV
FV Series
- STAY-DROPOUT**
TYPE 1 ~ 5

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-139-80E1	28"	80	380	640	1125	190		240	SW-800Y1	2.5" ~ 2.7"
	29"							255		
FE-139-80E2	29"	70	395	670	1175	195		240	SW-800V1	2.1" ~ 2.5"
	27.5"		375					170		
FE-139-70E2	20"	75	275	490	855	145		220	N/A	2.35" ~ 2.7"
	26"		350	620	1085	185		240		
FE-139-75E3	650B 700C	85	370	640	1125	190		220	N/A	2.7" ~ 3.3"
	27.5"		350	620	1085	185		240		
FE-139-85E2	650B 700C		370	640	1125	190		240	N/A	
	27.5"		375							

SW-FE-135

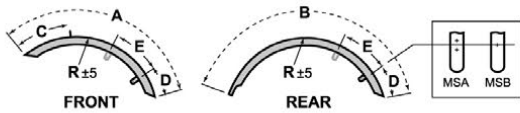
- Material: PC
- Designed for Road-bike.



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-135	650B 700C	45mm	370	640	1125	190	70	240	SW-800E	1.1" ~ 1.5" or 28C ~ 38C



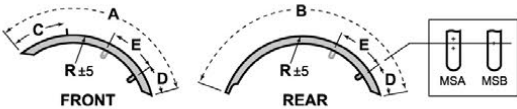
- FENDER TAIL**
SW-803S-45
- FENDER FIXTURES**
SW-815 | L-Hanger
- FENDER-STAY**
MSI | MSV | POI | POV
MSA | MSB
- STAY-DROPOUT**
TYPE 1 ~ 5



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	640	1125	190		240		
	27.5"		375							
	28"		380							

SW-813

- Material: PC
- Various color choices.

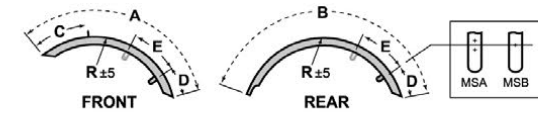


MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-813	16"	55mm	225	410	620	145	70	135	SW-800D	1.5"~1.9 " or 38C ~ 45C
	18"		250	435	740			150		
	20"		275	490	855			170		

FENDER TAIL		
SW-803F	SW-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
	POI	POV
MSV		
STAY-DROPOUT		
TYPE 1 ~ 5		

SW-818

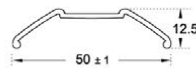
- Material: PC
- Various color choices.



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-FE-117

- Material: PC
- Various color choices.

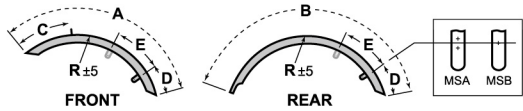
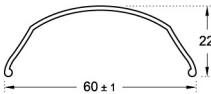


MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-FE-117	650B 700C	50mm	370	640	1125	190	70	240	SW-800S-B	1.35" ~1.625 " or 35C ~ 40C

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
	POI	POV
STAY-DROPOUT		
TYPE 1 ~ 5		

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

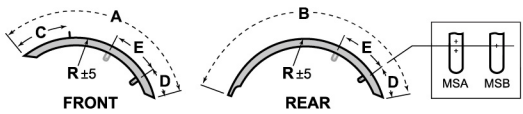
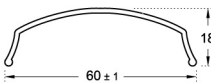
MSA | MSB | MSI | MSV
POI | POV

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

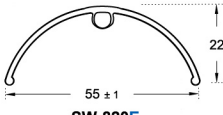
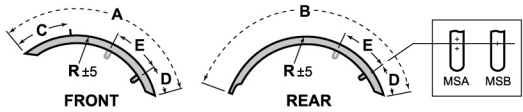
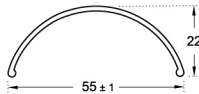
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

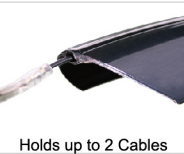
TYPE 1 ~ 5

SW-820

- Material: PC
- Various color choices.



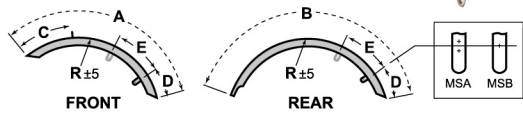
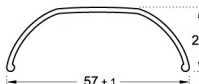
SW-820E
*Only for 26" 700C



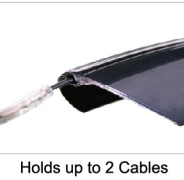
MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
SW-820	20"	55mm	275	490	855	145	70	170	SW-800I	1.5"~1.9 " or 38C ~ 45C
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		
	650B 700C		370	640	1125	190		240		
SW-820E	26"		350	620	1085	185		220	SW-800H	
	700C		370	640	1125	190		240		
	29"		395	670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

SW-823

- Material: PC
- Various color choices.



SW-823E
*Only for 650B and 700C



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

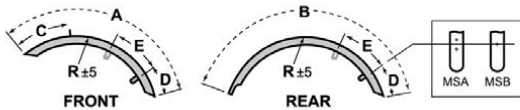
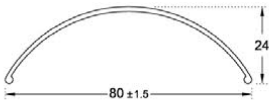
MSA | MSB | MSI | MSV
POI | POV

STAY-DROPOUT

TYPE 1 ~ 5

SW-825

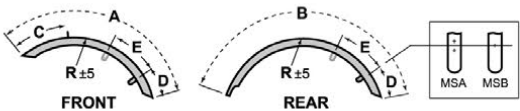
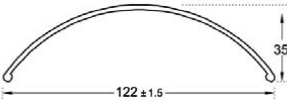
- Material: PC
- Designed for Cruiser Bike.
- Various color choices.



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



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		

FENDER FIXTURES

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

FENDER-STAY

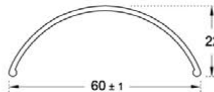
MSA | MSB | MSI | MSV
POI | POV | POP OFF 5

STAY-DROPOUT

TYPE 1 ~ 5

SW-822

- Material: PC
- Various color choices.



*Only for 24" 26" 650B and 700C

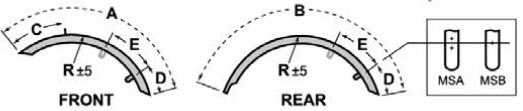
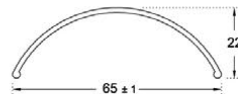


Holds up to 2 Cables

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		170		
	24"		325	575	1010	205		205		
	26"		350	620	1085	220		220		
	650B 700C		370	640	1125	240		240		
	29"		395	670	1175	255		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

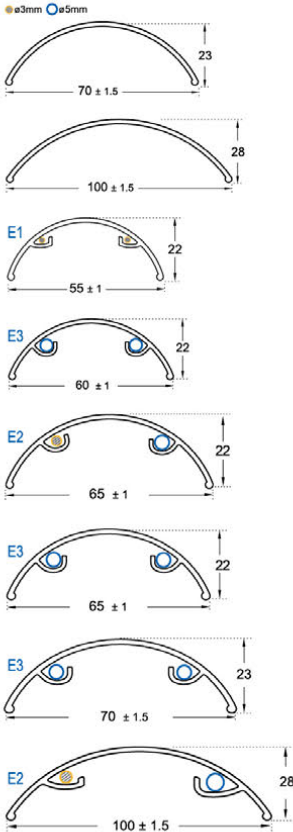
STAY-DROPOUT

TYPE 1 ~ 5

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE SIZE
FE-115	12"	65mm	175	305	510	110	70	100	SW-800V	1.9" ~ 2.2"
	16"		225	410	620	145		135		
	20"		275	490	855	185		170		
	26"		350	620	1085	220		220		
	27.5"		375	640	1125	240		240		
	29"		395	670	1175	255		255		

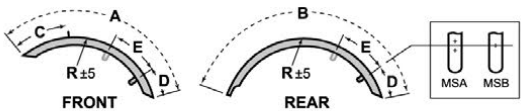
SW-FE-311 E1/E2/E3

- Material: PC
- Various color choices.



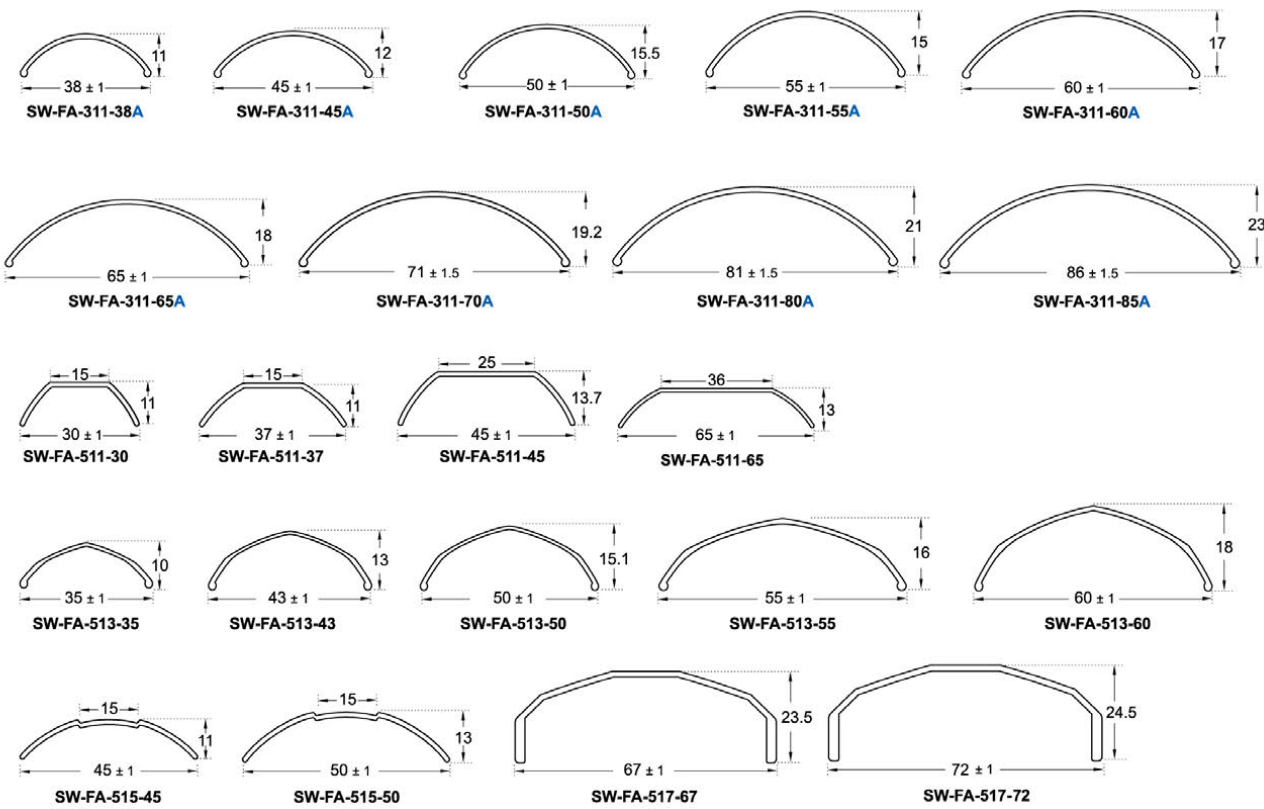
SW-FE-311
FENDER FIXTURES
SW-8001 | SW-800C | L-Hanger
FENDER-STAY
MSA | MSB | MSI | MSV
POI | POV
STAY-DROPOUT
TYPE 1~5

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



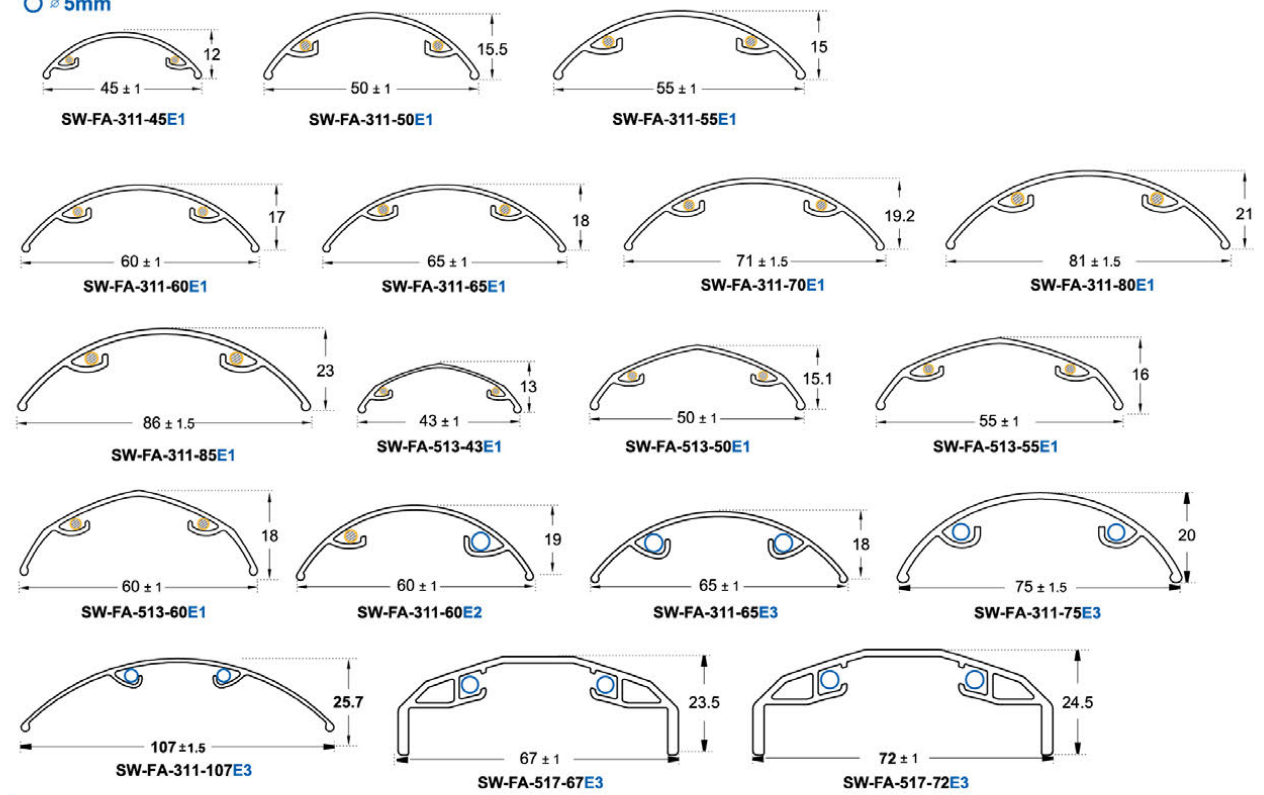
MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	FENDER TAIL	TIRE SIZE		
FE-311-70	14"	70	200	350	590	130	70	115	SW-800V2	SW-503H1 SW-803N SW-803V	2.1"~2.5"		
	18"		250	435	740	145		150					
	20"		275	490	855	145		170					
	24"		325	575	1010	170		205					
	650B		370	640	1125	190		240					
	700C		375										
27.5"													
FE-311-100	26"	100	395	525	890	155		195	N/A				3.2"~3.7"
	24"		375	575	1010	170		205					
	20"		325	620	1085	185		220					
FE-311-55E1	26"	55	350	620	1085	185		220	SW-800I1				1.5"~1.9 " or 38C ~ 45C
	650B		370	640	1125	190		240					
	700C		375										
27.5"													
FE-311-60E2	26"	60	350	620	1085	185		220	SW-800H				1.9" ~ 2.2"
FE-311-60E3	650B	60	370	640	1125	190		240	SW-800I				1.75" ~ 2.125" or 45C
	700C		375										
	27.5"												
FE-311-65E2	16"	65	225	410	620	154		135	SW-800H			1.9" ~ 2.2"	
	20"		275	490	855	145		170					
	16"		225	410	620	154		135					
FE-311-65E3	20"		275	490	855	145		170					
	24"		325	575	1010	170		205					
	26"		350	620	1085	185		220					
	650B		370	640	1125	190		240					
	700C		375										
	27.5"												
	29"		395	670	1175	195		255					
	14"		200	350	590	130		115	SW-800V2			2.1"~2.5"	
	18"		250	435	740	145		150					
FE-311-70E3	24"		325	575	1010	170		205					
	650B	370	640	1125	190	240							
	700C	375											
	27.5"												
FE-311-100E2	20"	100	325	525	890	155		195	N/A			3.2"~3.7"	
				575	1010	170		205					
				620	1085	185		220					
			395	640	1125	190	240						
	26"												

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-311-45E1					●	●	●	●	●	●	●	●
FA-311-50E1					●	●	●	●	●	●	●	●
FA-311-55E1					●	●	●	●	●	●	●	●
FA-311-60E1							●	●	●	●	●	●
FA-311-65E1							●	●	●	●	●	●
FA-311-70E1							●	●	●	●	●	●
FA-311-80E1							●	●	●	●	●	●
FA-311-85E1					●	●	●	●	●	●	●	●
FA-311-60E2							●	●	●	●	●	●
FA-311-65E3							●	●	●	●	●	●
FA-311-75E3					●	●	●	●	●	●	●	●
FA-311-107E3							●	●	●	●	●	●
FA-513-43E1					●	●	●	●	●	●	●	●
FA-513-50E1					●	●	●	●	●	●	●	●
FA-513-55E1					●	●	●	●	●	●	●	●
FA-513-60E1					●	●	●	●	●	●	●	●
FA-517-67E3					●	●	●	●	●	●	●	●
FA-517-72E3					●	●	●	●	●	●	●	●

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 6:40°

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

TIRE-FIT CHART

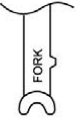
MODEL	12"	14"	16"	18"	20"	22"	24"	26"	650B	700C	27.5"	28"	29"
	R175	R200	R225	R250	R275	R310	R325	R350	R370	R370	R375	R380	R395
FA-311-38A					●	●	●	●	●	●	●	●	●
FA-311-45A					●	●	●	●	●	●	●	●	●
FA-311-50A					●	●	●	●	●	●	●	●	●
FA-311-55A					●	●	●	●	●	●	●	●	●
FA-311-60A							●	●	●	●	●	●	●
FA-311-65A							●	●	●	●	●	●	●
FA-311-70A							●	●	●	●	●	●	●
FA-311-80A							●	●	●	●	●	●	●
FA-311-85A							●	●	●	●	●	●	●
FA-511-30					●	●	●	●	●	●	●	●	●
FA-511-37					●	●	●	●	●	●	●	●	●
FA-511-45					●	●	●	●	●	●	●	●	●
FA-511-65					●	●	●	●	●	●	●	●	●
FA-513-35					●	●	●	●	●	●	●	●	●
FA-513-43					●	●	●	●	●	●	●	●	●
FA-513-50					●	●	●	●	●	●	●	●	●
FA-513-55					●	●	●	●	●	●	●	●	●
FA-513-60					●	●	●	●	●	●	●	●	●
FA-515-45					●	●	●	●	●	●	●	●	●
FA-515-50					●	●	●	●	●	●	●	●	●
FA-517-67					●	●	●	●	●	●	●	●	●
FA-517-72					●				●	●	●		

FULL-COVER FENDER

28 FULL-COVERFENDER | 2025

www.SUNNYWHEEL.COM

2025 | FULL-COVERFENDER 27

	804H-2 - Fender stay thickness $\phi 3.2\text{mm}$ / $\phi 3.9\text{mm}$ / $\phi 5\text{mm}$ - Easy installation 804H-2A: $\phi 3.2\text{mm}$ 804H-2B: $\phi 3.9\text{mm}$ 804H-2C: $\phi 5\text{mm}$		
	804H-3 - 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 $\phi 6\text{mm}$ 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		
	804H-4 - Fender stay: $\phi 9.0\text{mm}$ - Material: Aluminum - Finishing: Anodized shining black Coating black (gloss) - Custom angle bending		

FENDER STAY / DROPOUT HARDWARE

	TYPE 1 FIX-LENGTH STAY WITH 1/4" END - Fixes on dropout or fork end eyelets. - Length customizable. $\phi 5$ / $\phi 6\text{mm}$		TYPE 2 FIX-LENGTH STAY WITH 5/16" END - Fixes on front or rear hub axle. - Length customizable. $\phi 8\text{mm}$
	TYPE 3 FIX-LENGTH STAY WITH 3/8" END - Fixes on front or rear hub axle. - Length customizable. $\phi 10\text{mm}$		TYPE 4 MICRO-ADJUSTABLE STAY WITH U-SHAPE 1/4" END - Fixes on dropout or fork end eyelets with M5/M6 screw. - Length customizable. $\phi 5\text{mm}$
	TYPE 5 MICRO ADJUSTABLE - Material: 304 Stainless Steel - Stay length adjustable by fix SW-804 clips to dropout or fork end eyelets.		
	PATTERN STAMPING Prevent rotation		CUSTOM ANGLE BENDING

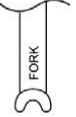
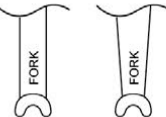
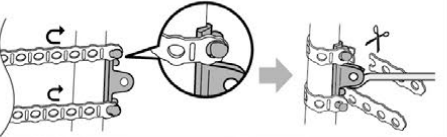
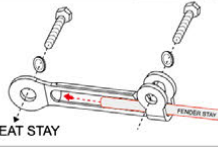
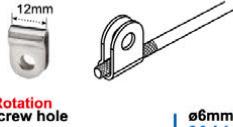
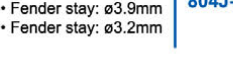
FENDER STAY SAFETY POP-OFF

STAY SAFETY	DESCRIPTION	TYPE / FEATURE	FUNCTION
	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.	MSA MSB MSI MSV	

FENDER STAY MOUNTING (FIXED)

	FV-111 Material: Aluminum		
	FV-113A/B Patented Material: Aluminum / 304 Stainless UNDER-MOUNTED FENDER STAY		
	804N-02 UPPER-MOUNTED FENDER STAY Material: 303 Stainless		
	804E-1 UNDER-MOUNTED FENDER STAY Material: Zinc $\phi 3.9$ / $\phi 5\text{mm}$		

FENDER STAY / SEAT STAY HARDWARE

	SP-005 Quick release stay bracket (double strap + plastic screw fix + clip fix) - Double strap to fit tapered suspension fork. - Quick release, easy installation and adjustment. - Available for $\phi 3.2$ / $\phi 3.9\text{mm}$ stay.		
	SP-009 (Front Fork Clamp) 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: $\phi 45\text{mm}$ Suitable for straight suspension fork.		
	SP-011 One-piece-made Quick release stay bracket - Easy installation with elastic rubber strap. - Double strap to fit tapered / straight fork.		
	SP-013 Quick release stay bracket.(plastic screw fix) - 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		
	804H - Fender stay: $\phi 3.9\text{mm}$ - Material: Steel - Finishing: ED BK		
	804H-1 - Fender stay: $\phi 5.0\text{mm}$ - Material: Steel - Finishing: UCP		
	804H-5 - Fender stay: $\phi 3.9\text{mm}$ - Material: POM 804H-5A: $\phi 3.2\text{mm}$ 804H-5B: $\phi 3.9\text{mm}$ 804H-5C: $\phi 5\text{mm}$		

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	
CLIP FIX (PP)			SW-503A1	FA-111-55
			SW-503A2	
			SW-503B1	FA-511-30
			SW-503B2	
			SW-503D1	FA-515-45
			SW-503D2	
			SW-503C1	FA-513-43
			SW-503C2	
			SW-503F1	FA-311-45E1
			SW-503G1	FA-311-50E1
			SW-503H1	FA-311-55E1
			SW-503I1	FA-311-60E1
CLIP FIX (PP+TPR)			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
			SW-803 Q	FA-311-60E1
			SW-503O	FA-111-55
			SW-803V-70	FA-311-70A
			SW-803V-70	FA-311-70E1
			SW-803V-75	FA-311-75E3
RIVET FIX (TPR)			SW-FA-517-67	SW-FA-517-67
			SW-FA-517-67E3	SW-FA-517-67E3
			SW-FA-517-72	SW-FA-517-72
			SW-FA-517-72E3	SW-FA-517-72 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
RIVET FIX (TPR)			SW-803N-70	FA-311-70E1
			SW-803N-70	FA-311-70E1
			SW-803N-70	FA-311-70E1
			SW-803N-70	FA-311-70E1

COLOR: BLACK / BLACK TRANSPARENT

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

FENDER FIXTURES

	SW-800A ~ SW-800I REMOVABLE PLASTIC HANGER • Easy to install and good weathering resistant. • Material: POM • Colour: BK		STAINLESS STEEL SELF-BEND HANGER • Material: Stainless Steel • Fit for Resin Fender Width: Short: 35mm ~ 50mm Long: 50mm ~ 80mm
	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		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
	SCBM-1 STANDARD FENDER-CHAINSTAY BRIDGE MOUNT (For Fender Width within 55mm.) • Bolt fits between fender and chainstay bridge.		SCBM-2 STANDARD FENDER-CHAINSTAY BRIDGE MOUNT (For Fender Width above 60mm.) • Bolt fits between fender and chainstay bridge.
	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)		SW-804B-1 QUICK CLIP FENDER-SEAT TUBE STAY BRIDGE MOUNT • Material: PA6 / Finishing: BLACK • Fit ø28.6 ~ ø31.8mm seat-tube.
	FE-113R QUICK MOUNT (FOR SEAT TUBE BRIDGE)		SW-802B HANGER-FORK WASHER • Material: PP R14.5mm recessed to fit fork sleeve tube.
	SW-802A HANGER-BRIDGE WASHER • Material: PP R7mm recessed to fit bridge tube.		SW-804F BEVELED CUSHION • Material: TPR • For clearance 2mm~ 5mm. • Fix between fender and carrier for noise reduction purpose.
	SW-804F01 PAD • Material: PP • Adapt with SW-804F ,for clearance ≥ 5mm.		

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 $\varnothing 3\text{mm}$ & $\varnothing 5\text{mm}$)

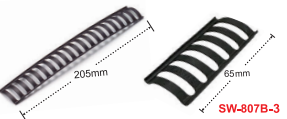


SW-801E3
Patented
Cable Tunnel
(Fit Cable within $\varnothing 5\text{mm}$)



SW-807B
Patented
Cable Tunnel Tool

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



SW-807B-1 SW-807B-3 **Patented**
Cable Tunnel Tool

- Slide-able and easy Snap-in
- Fit Cable within $\varnothing 10\text{mm}$
- Can be assembled on both sides
- Only for SW-801E3



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

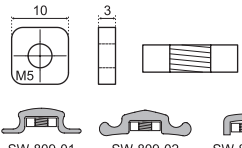


SW-808
Fit Cable within $\varnothing 25\text{mm}$



SW-804E
Washer

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



SW-NP-111
License Plate Holder

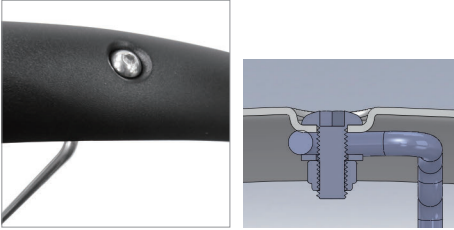
- Material: PA6+30%GF
- Tire fit: 26"~28".
- P.C & ALU. full-cover applicable.



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.



AF-Z01
Black



AF-M01
Matt Black



AF-S01
Sandblasted Black



AF-C01
Coated Red



AF-C02
Coated matt black



AF-C04
Coated matt black



AF-C05
Coated matt black with sandblasted

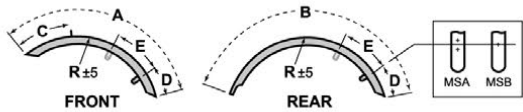
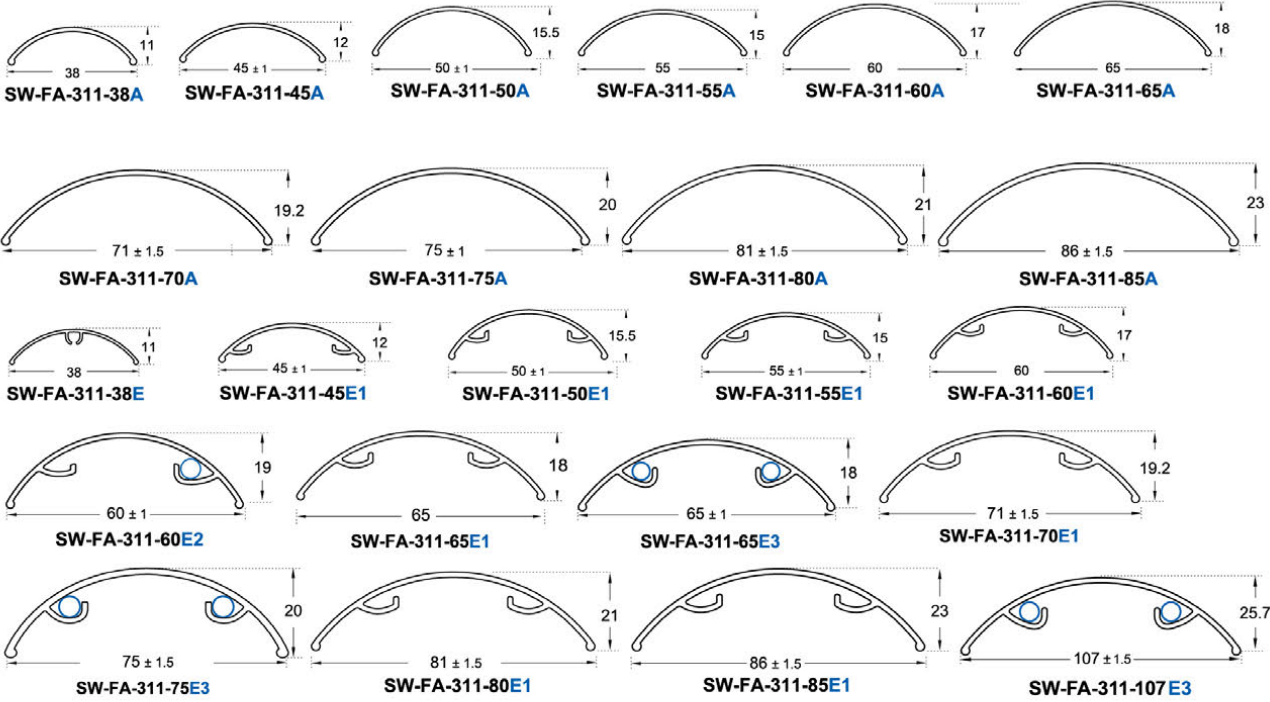
SW-FA-311 series

• 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	

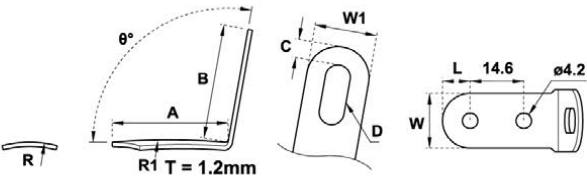
∅5mm



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

L-HANGER CHART(Curved Design)

• Material: 304 Stainless Steel

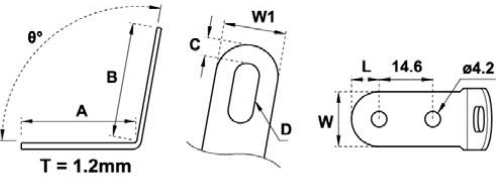


* Standard: **SW-8001** for Front Fender / **SW-8002** for Rear Fender.

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	
8005-2	100°	31.5	53.8	5	9.5 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

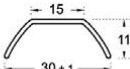


* Standard: **SW-815** for Front Fender / **SW-8002-1** for Rear Fender.

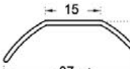
HANGER	θ°	A	B	C	D	L	W	W1	R	R1
8002-1	100°	31.3	24.4	4.6	6.8 x 16	7.5	14	16		
8005-1	120°	31.5	53.8	5	7.5 x 22.5	7.5	15	17.5		
8006-2	77°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5		
8006-3	85°	31.5	38.8	5	7.5 x 22.5	7.5	15	17.5		
8020	90°	31.4	27	5.1	6.5 x 17	7.5	15	17		156.8
815	100°	31.5	32	5.1	6.8 x 15.5	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-511-30 / 37 / 45 / 65

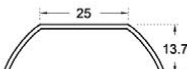
• Material: Aluminum



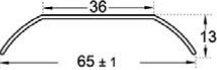
SW-FA-511-30



SW-FA-511-37



SW-FA-511-45



SW-FA-511-65



FENDER FIXTURES

SW-815 | L-Hanger

FENDER-STAY

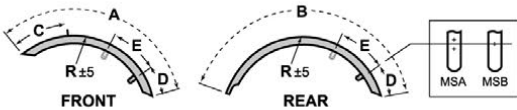
MSA | MSB | MSI | MSV

STAY-DROPOUT

TYPE 1 ~ 5

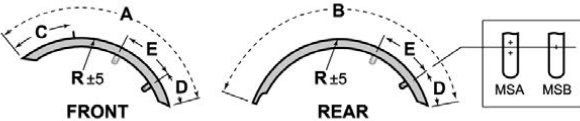


Sleek Look on Roadbike



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FA-511-30	20"	30mm	275	490	855	145	70	170	SW-800P-A	20C ~ 25C
	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-511-37	20"	37mm	275	490	855	145	70	170	SW-800P-B	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		

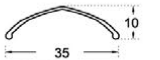
SW-FA-311 series



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FA-311-45A FA-311-45E1	20"	45mm	275	490	855	145	70	170	SW-800R-F	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	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	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	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	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	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	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



SW-FA-513-35



SW-FA-513-43



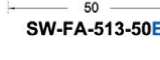
SW-FA-513-43E1



SW-FA-513-50



SW-FA-513-50E1



SW-FA-513-55



SW-FA-513-55E1



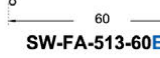
SW-FA-513-60



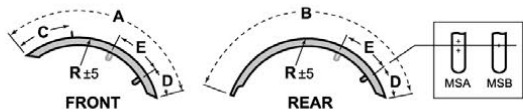
SW-FA-513-60E1



SW-FA-513-60E1



SW-FA-513-60E1



FENDER FIXTURES

SW-8001 | L-Hanger

FENDER-STAY

MSA | MSB | MSI | MSV

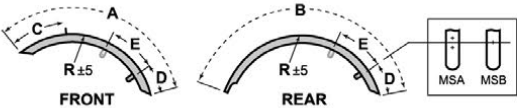
STAY-DROPOUT

TYPE 1 ~ 5



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FA-513-35	20"	35mm	275	490	855	145	70	170	SW-800S-C	1"~1.125" or 20C ~ 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		

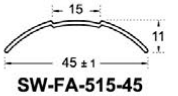
SW-FA-511-30 / 37 / 45 / 65



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FA-511-45	20"	45mm	275	490	855	145	70	170	SW-800R-B	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		

SW-FA-515-45 / 50

• Material: Aluminum / Leather



*Optional Leather Strap.

FENDER FIXTURES

SW-800I | L-Hanger

FENDER-STAY

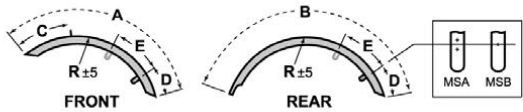
MSA | MSB | MSI | MSV

STAY-DROPOUT

TYPE 1 ~ 5

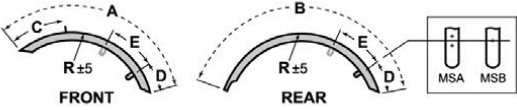


Elegant Look on Bikes



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FA-515-45	20"	45mm	275	490	855	145	70	170	SW-800R-D	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-515-50	20"	50mm	275	490	855	145	70	170	SW-800S-B	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		

SW-FA-513 series

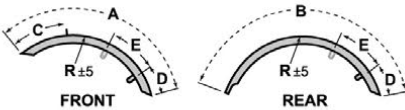
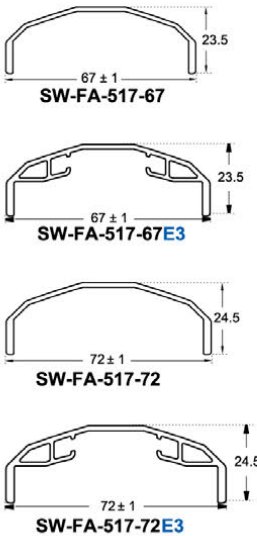


MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FA-513-43 FA-513-43E1	20"	43mm	275	490	855	145	70	170	SW-800R-C	1.1" ~ 1.45" or 28C ~ 35C
	22"		310	525	890	155		195		
	24"		325	575	1010	170		205		
	26"		350	620	1085	185		220		
	650B 700C		370	640	1125	190		240		
	28"		380	640	1125	190		240		
	29"		395	670	1175	195		255		
FA-513-50 FA-513-50E1	20"	50mm	275	490	855	145	70	170	SW-800S-A	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	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	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		

SW-FA-517 series

• Material: Aluminum

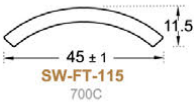
FENDER-STAY
MSI
STAY-DROPOUT
804H-4



Cable Tunnel
(Fit Cable within ø5mm)

MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	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		
FA-517-72	20"	72mm	275	490	855	145		170		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		
FA-517-72E3	20"	72mm	275	490	855	145		170		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		

BAMBOO FENDER PROFILE



TIRE-WIDTH CHART

28C		
1.125"		
1.25"		
32C	SW-FT-115	
1.35"		
1.375"		
35C		
1.45"	(W: 45mm)	
38C		
1.5"		
40C		
1.6"		

TIRE-FIT CHART

MODEL	12"	14"	16"	18"	20"	22"	24"	26"	700C	28"	29"
FT-115									●		

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}

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.

FENDER STAY SAFETY POP-OFF

STAY SAFETY	DESCRIPTION	FIT STAY	FUNCTION
	MSI SUNNYWHEEL FV-515 Patented (For ø3.2 / ø3.9mm FENDER-STAY) FENDER STAY SAFETY POP-OFF Applicable to MSA / MSB / MSI / MSV fender-stays to pop-off when jammed.	MSA MSB MSI MSV	

Bamboo Full-cover Fender

Natural material has been widely used nowadays as in response to the issue of environment. Bamboo is one of the fastest growing plants in the world, and is of notable economic and Oriental culture significance. Unlike any other industrial products, Bamboo is fully decomposable and produces almost no pollution during production and after its life cycle. The natural fiber of Bamboo makes Bamboo fender a durable and eco-frinedly product for bicycle.

46 FULL-COVERFENDER | 2025

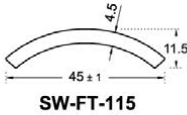
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2025 | FULL-COVERFENDER 45

FULL-COVER
FENDER

SW-FT-115

- Made of real, natural bamboo.
- Environmental-friendly & Retro-style look.



FENDER FIXTURES

SW-8001 | L-Hanger
SW-800R-E

FENDER-STAY

MSI | MSV

STAY-DROPOUT

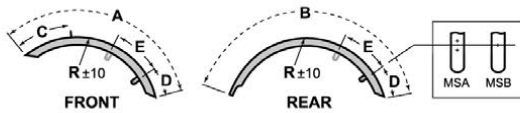
TYPE 1 ~ 5



Optional Leather Fender-tail



Retro Look on Bikes



MODEL	SIZE	WIDTH	R	A	B	C	D	E	HANGER	TIRE WIDTH
FT-115	700C	45mm	370	640	1125	190	70	240	SW-800R-E	1.125" ~ 1.375" (1-1/8" ~ 1-3/8") or 28C ~ 35C

FENDER FIXTURES



SW-802A
HANGER-BRIDGE WASHER
Material: PP

R7mm recessed to fit bridge tube.



SCBM-1
STANDARD FENDER-CHAINSTAY BRIDGE MOUNT
(For Fender Width within 55mm.)

- Bolt fixes between fender and chainstay bridge.



SW-802B
HANGER-FORK WASHER
Material: PP

R14.5mm recessed to fit fork sleeve tube.



FENDER FIXTURES



STAINLESS STEEL SELF-BEND HANGER

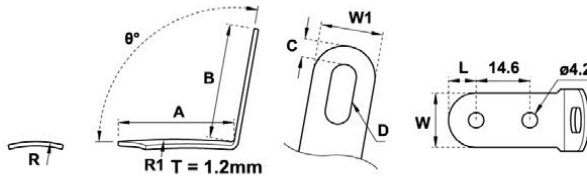
Material: Stainless Steel
SW-800R / SW-800S / SW-800R-E

FENDER TAILS

FIX	MATERIAL	FENDER TAIL	MODEL	FIT FENDER
RIVET FIX	LEATHER		SW-803J	SW-FT-115

L-HANGER CHART(Curved Design)

- Material: 304 Stainless Steel

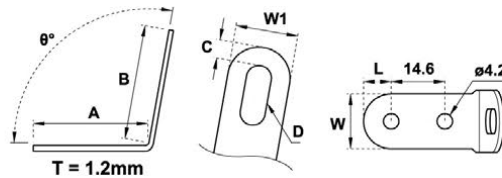


* Standard: **SW-8001** for Front Fender.

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

L-HANGER CHART(Flat Design)

- Material: 304 Stainless Steel



* Standard: **SW-815** for Front Fender.

HANGER	θ°	A	B	C	D	L	W	W1	R	R1
815	100°	31.5	32	5.1	6.8 x 15.5	7.5	15	17		