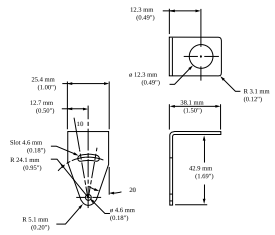
Right-Angle Brackets

12 mm Brackets

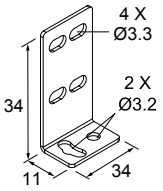
SMB12MM
- 12-gauge, stainless steel, right-angle mounting bracket for barrel-style sensors with 12 mm threads
- Curved mounting slot allows the bracket ±10° of lateral movement
- Mounting holes accommodate #8 hardware
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B = 26.0
Hole size: A = ø 4.6, B = 12.8 x 4.6, C= ø 12.3



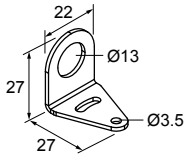
SMBQ12T
- Right-angle bracket
- 20-ga. 300 series stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B = 7.6
Hole size: A = 3.5 x 8.1, B=ø 3.2



SMBQS12PD
- Right-angle, nose-mount bracket
- 16-ga. 300 series stainless steel
- CAD Files: DXF, PDF, IGS, STP

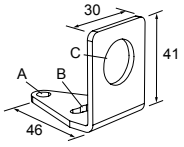
Hole center spacing: A to B = 14.0
Hole size: A = ø 3.5, B = 3.5 x 10.6, C = ø 13.0



18 mm Brackets

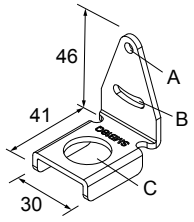
SMB18A
- Right-angle mounting bracket with a curved slot for versatile orientation
- 12-ga. stainless steel
- 18 mm sensor mounting hole
- Clearance for M4 (#8) hardware
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B = 24.2
Hole size: A = ø 4.6, B = 17.0 × 4.6, C = ø 18.5



SMB18Q
- Right-angle flanged bracket
- 18 mm sensor mounting hole
- 12-ga. stainless steel
- CAD Files: DXF, PDF, IGS, STP

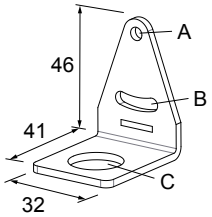
Hole center spacing: A to B = 24.2
Hole size: A = ø 4.6, B = 17.0 × 4.6, C = ø 19.0



SMB312PD
- Right-angle mounting bracket with a curved slot for versatile orientation
- 12-ga. stainless steel
- 18 mm sensor mounting hole
- Clearance for M4 (#8) hardware
- CAD Files: DXF, PDF, IGS, STP

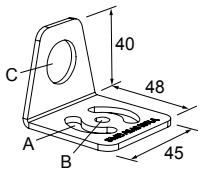
Hole center spacing: A to B = 24.2
Hole size: A = ø 4.6, B = 17 × 4.6, C = ø 18.5

NOTE: Not for use with plastic fiber optic sensors



SMBAMS18RA
- Right-angle SMBAMS series bracket with 18 mm hole
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 26.0, A to B = 13.0
Hole size: A = 26.8 × 7.0, B = ø 6.5, C = ø 19.0



Continued on page 2

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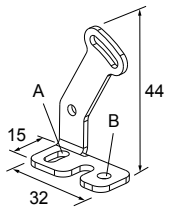
b_51963053
p/n: b_51963053 Rev. C

Continued from page 1

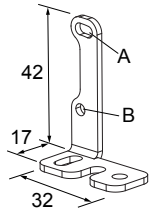
SMBQS18AF
- Right-angle mounting bracket
- 14-ga. 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B = 20.3
Hole size: A = 4.3 × 9.4, B = ø 4.3



SMBQS18RA
- Right-angle mounting bracket
- 14-ga. 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP

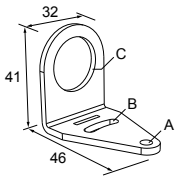
Hole center spacing: A to B = 20.3
Hole size: A = 4.3 × 9.3, B = ø 4.3



22 mm Brackets

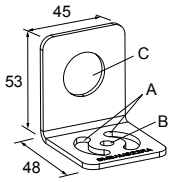
SMB22A
- Right-angle bracket with curved slot for versatile orientation
- 12-ga. stainless steel
- Mounting hole for 22 mm sensor
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B = 26.0
Hole size: A = ø 4.6, B = 4.6 x 16.9, C = 22.2



SMBAMS22RA
- Right-angle SMBAMS series bracket with 22 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel
- CAD Files: DXF, PDF, IGS, STP

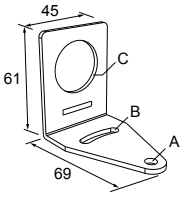
Hole center spacing: A = 26.0, A to B = 13.0
Hole size: A = 26.8 x 7.0, B = ø 6.5, C = ø 22.5



30 mm Brackets

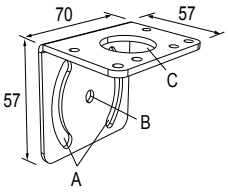
SMB30A
- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B=40
Hole size: A=ø 6.3, B= 27.1 × 6.3, C=ø 30.5



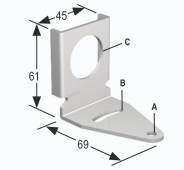
SMB30MM
- 12-gauge stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A=51, A to B=25.4
Hole size: A=42.6 × 7, B=ø 6.4, C=ø 30.1



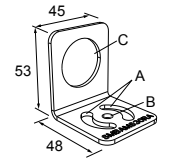
SMB30Q
- Right-angle flanged mounting bracket with curved slot for versatile orientation
- 12-gauge stainless steel
- Mounting hole for 30 mm sensor
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B=40
Hole size: A=ø 6.3, B=ø 27.1 × 6.3, C=ø 30.7



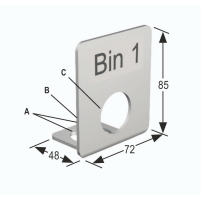
SMBAMS30RA
- Right-angle SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-gauge (2.6 mm) cold-rolled steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 × 7.0, B=ø 6.5, C=ø 31.0



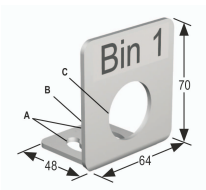
SMBAMS30RLJ
- Right-angle SMBAMS series bracket with 70 × 40 mm space for label
- 30 mm hole for mounting sensor
- Articulation slots for 90°+ rotation
- 12-gauge (2.6 mm) cold-rolled steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 × 7.0, B=ø 6.5, C=ø 31.0



SMBAMS30RLS
- Right-angle SMBAMS series bracket with 62 × 26 mm space for label
- 30 mm hole for mounting sensor
- Articulation slots for 90°+ rotation
- 12-gauge (2.6 mm) cold-rolled steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A=26.0, A to B=13.0
Hole size: A=26.8 × 7.0, B=ø 6.5, C=ø 31.0



SMBQS30L
- Right-angle bracket for cable sensor models
- Clearance for M4 (#8) hardware
- ± 12° tilt adjustment
- 14-gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B=35.0
Hole size: A=ø 4.3, B=ø 4.25×16.3

SMBQS30LT
- Tall right-angle bracket for QD models
- ± 8° tilt adjustment
- 14-gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A to B=35.0
Hole size: A=ø 4.3, B=ø 4.25×16.3

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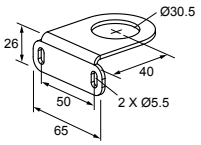
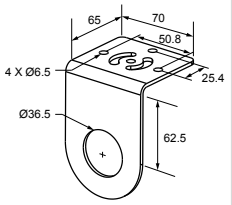
LMBxx Lighting Brackets

LMB30LP
- Low profile
- 30 mm mounting hole
- 300 series stainless steel
- CAD Files: DXF, PDF, IGS, STP

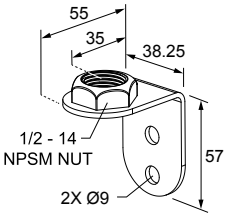


LMB36RA
- Indicator light right-angle mounting
- 36 mm mounting hole
- Stainless steel
- CAD Files: DXF, PDF, IGS, STP



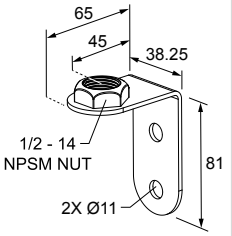
LMBE12RA35
- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 35 mm
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: 20.0

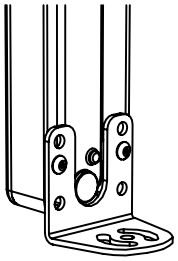


LMBE12RA45
- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 45 mm
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: 35.0



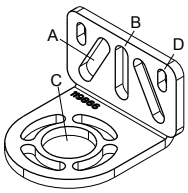
LMBWLC60RA
- Set of two right-angle brackets
- 300 series stainless steel
- Includes M6 button head screws for mounting to light
- Clearance for M6 or 1/4-20 mounting hardware
- CAD Files: DXF, PDF, IGS, STP



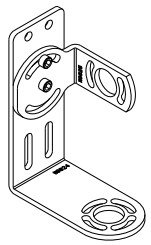
MBK Brackets

EZA-MBK-20
- Adapter brackets for mounting to engineered/slotted aluminum framing such as 80/20™ and Unistrut™. Angled slots allow mounting to 20 mm to 40 mm dual channel and center slot. allows mounting to single-channel framing
- Retrofit for Banner MINI-SCREEN
- Order **EZA-MBK-20U** for bracket with M5 and M6 mounting hardware
- CAD Files: DXF, PDF, IGS, STP

Hole size: A = ø7 × 25 (2); B = ø7 × 18; C = ø21.5; D = ø4.8 × 10.2;



EZA-MBK-21
- Mounting bracket system for L configuration of two cascaded EZ-SCREEN light screens
- M5 and M6 mounting hardware
- CAD Files: DXF, PDF, IGS, STP



LPA-MBK-120
- Pair of angled L brackets for two cascaded emitter/receiver pairs
- Fixed 120° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated
- CAD Files: IGS, STP

Hole center spacing: A , B , C = 10, B to C = 50
Hole size: A = ø 5.8; B , C = 15.5 × 5.5

LPA-MBK-135
- Pair of angled L brackets for two cascaded emitter/receiver pairs
- Fixed 135° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated
- CAD Files: IGS, STP

Hole center spacing: A , B , C = 10.0, B to C = 50.0
Hole size: A = ø 5.8; B , C = 15.5 × 5.5

LPA-MBK-21
- Pivoting “L” bracket system for two cascaded emitters/receivers; uses clamps from side-mount bracket LPA-MBK-12
- Adjustable 90° to 180° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A , B = 10, A to B = 30
Hole size: A , B = 15.5 × 5.5

LPA-MBK-90
- Pair of angled L brackets for two cascaded emitter/receiver pairs
- Fixed 90° orientation
- +10°/-30° sensor rotation
- 14-ga. (1.9 mm) steel, black zinc plated
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A , B , C , D , E = 10, B to C = 30, D to E = 50
Hole size: A = ø 5.8, B , C , D , E = 15.5 × 5.5

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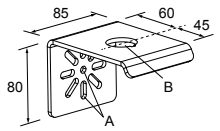
Continued from page 3

LPA-MBK-PXXX
- L-shaped protective bracket for one emitter/receiver
- Sized to match emitter/receiver length; replace XXX in model number with emitter/receiver size (example, LPA-MBK-P270 for use with SLP..-270)
- +10°/-30° sensor rotation
- 12-ga. (2.66 mm) steel, black zinc plated or painted

Hole center spacing: A = 44.5, B = 40, D = 18
Hole size: A = 4.8 × 10.2, B = 7 × 26.8, C = 7 × 25

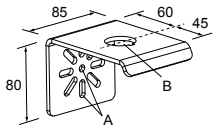
SSA-MBK-EEC1
- Single 30 mm hole
- 8 gauge steel, black finish (powder coat)
- Front surface for customer-applied labels
- CAD Files: DXF, PDF, IGS, STP

Hole size: A = ø 7 , B = ø 30



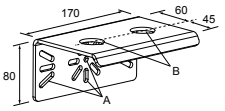
SSA-MBK-EEC1-SS
- Single 30 mm hole
- 8 gauge 316 stainless steel
- Front surface for customer-applied labels
- CAD Files: DXF, PDF, IGS, STP

Hole size: A = ø 7 , B = ø 30



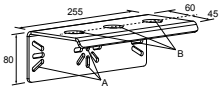
SSA-MBK-EEC2
- Two 30 mm holes
- 8 gauge steel, black finish (powder coat)
- Front surface for customer-applied labels
- CAD Files: DXF, PDF, IGS, STP

Hole size: A = ø 7 , B = ø 30



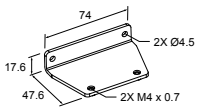
SSA-MBK-EEC3
- Three 30 mm holes
- 8 gauge steel, black finish (powder coat)
- Front surface for customer-applied labels
- CAD Files: DXF, PDF, IGS, STP

Hole size: A = ø 7 , B = ø 30



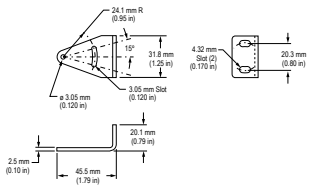
SMB Work Light Bracket

SMBR90RA
- Bracket for mounting R90
- R90 right-angle
- M4 × 0.7 mm
- Stainless steel
- CAD Files: DXF, PDF, IGS, STP



SMB1xx Bracket

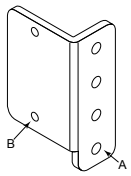
SMB19
- Right-angle mounting bracket with a curved slot for versatile orientation
- CAD Files: DXF, PDF, IGS, STP



SMB4xx Brackets

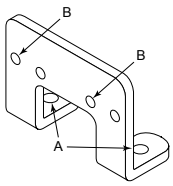
SMB42L
- 13-ga. stainless steel
- Hardware included
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 10.0, B = 25.4
Hole size: A = ø 3.4, B = ø 2.5



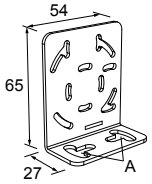
SMB42U
- 13-ga. stainless steel
- Hardware included
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 30.0, B = 25.4
Hole size: A = ø 3.4, B = ø 2.5



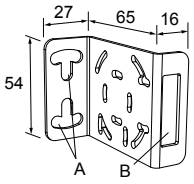
SMB46L
- Right-angle
- L bracket
- 14-ga. 316 stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 16.0
Hole size: A = 16.5 × 18.7



SMB46S
- Right-angle
- S bracket
- 14-ga. 316 stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 16.0
Hole size: A = 16.5 × 18.7, B = 34.0 × 10.0



Continued on page 5

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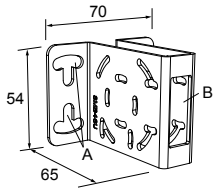
Continued from page 4

SMB46U
- Right-angle
- U bracket for sensor protection
- 14-ga. 316 stainless steel
- CAD Files: DXF, PDF, IGS, STP

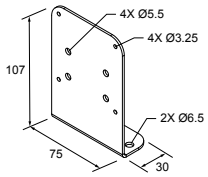
Hole center spacing: A = 16.0
Hole size: A = 16.5 × 18.7, B = 34.0 × 13.0



SMB5xx Brackets

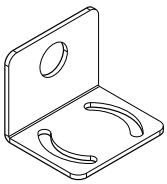
SMB55RA
- Right-angle bracket
- 12-gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP

SMBK50RA
- Right-angle bracket
- 14-gauge 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP

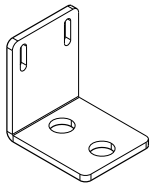


SMB7xx Brackets

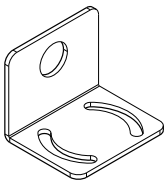
SMB700
- Right-angle mounting bracket
- 11 gauge zinc-plated steel
- 70 mm wide by 60 mm deep x 60 mm high
- Includes a cable gland assembly and lock washer
- CAD Files: DXF, PDF, IGS, STP



SMB700P
- Heavy duty 1/4-inch (6mm) zinc-plated steel bracket
- Allows the MULTI-BEAM to retrofit to installations of 42RLU and 42RLP sensors
- Includes cable gland and lock washer
- CAD Files: DXF, PDF, IGS, STP



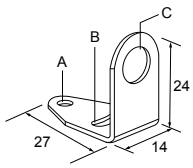
SMB700SS
- Right-angle mounting bracket
- 11 gauge stainless steel
- 70 mm wide by 60 mm deep x 60 mm high
- CAD Files: DXF, PDF, IGS, STP



SMB8xx Bracket

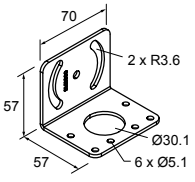
SMB8MM
- Right-angle bracket
- 300 series stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole size: A = ø 3.5, B = 4.9 × 3.6, C = ø 8.4



SMB9xx and SMBR9xx Brackets

SMB900
- Right angle mounting
- 11 gauge stainless steel
- Curved mounting slot for versatility/orientation
- CAD Files: DXF, PDF, IGS, STP



SMB900SS
- Right angle mounting
- Stainless steel
- Curved mounting slot for versatility/orientation
- CAD Files: DXF, PDF, IGS, STP

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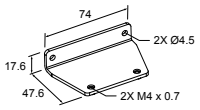
Continued from page 5

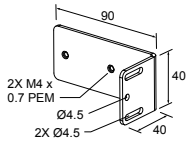
SMBR90RA

- Stainless steel right-angle bracket
- M4 x 0.7 mm #316SS screws (qty 2)
- CAD Files: DXF, PDF, IGS, STP



SMBR95RA

- Stainless steel right-angle bracket
- M4 x 0.7 mm #316SS screws (qty 2)
- CAD Files: DXF, PDF, IGS, STP



SMBAxx and SMBBxx Brackets

SMBAMS70A

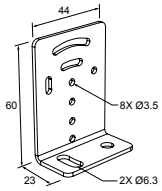
- Zinc-plated cold rolled steel right-angle bracket
- Articulated slots for 90+ degrees rotation
- Two 1/4-20 screws included
- CAD Files: DXF, PDF, IGS, STP

SMBAMS70AS

- 316 stainless steel right-angle bracket
- Articulated slots for 90+ degrees rotation
- Four ¼-20 stainless steel screws included
- CAD Files: DXF, PDF, IGS, STP

SMBB25RA

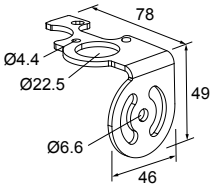
- Zinc plated, Cold Rolled Steel
- CAD Files: DXF, PDF, IGS, STP



SMBIVUxx Brackets

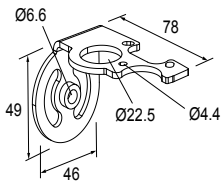
SMBIVURAL

- Right-angle bracket for mounting the device from the left
- 12-ga. stainless steel
- Hardware included
- CAD Files: DXF, PDF, IGS, STP



SMBIVURAR

- Right-angle bracket for mounting the device from the right
- 12-ga. stainless steel
- Hardware included
- CAD Files: DXF, PDF, IGS, STP



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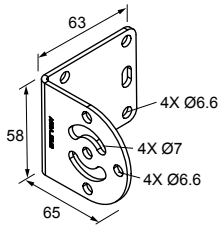
SMBLxx Brackets

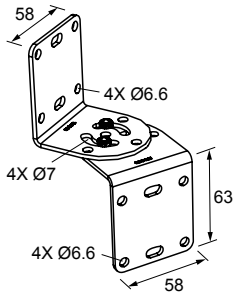
SMBLASRA
- Right-angle metal bracket
- May be used individually or two used in combination to provide swivel adjustment
- Brackets and hardware are 316 stainless steel
- Includes: 2 brackets; 4 ¼-20 stainless steel screws (socket drive, button head); 2 stainless steel lock nuts (used only with double brackets); and 2 stainless steel washers (used only with double brackets)
- CAD Files: DXF, PDF, IGS, STP

When double-bracket mounting is used, order 2 sets of brackets per light.

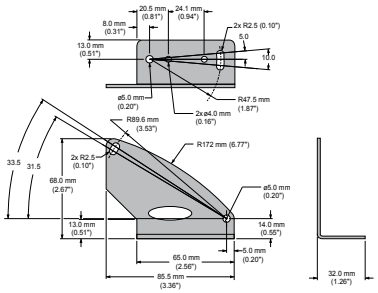
Single Bracket:



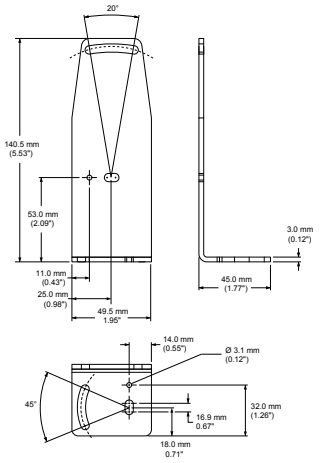
Double Bracket:



SMBLT31
- Right-angle bracket
- 300 series stainless steel
- CAD Files: DXF, PDF, IGS, STP

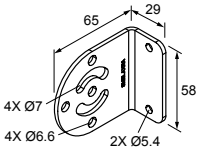


SMBLT7
- Right-angle bracket
- 300 series stainless steel
- Fine-adjust accessory SMBLT7F sold separately
- CAD Files: DXF, PDF, IGS, STP



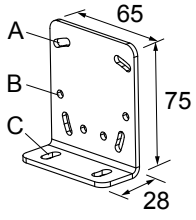
SMBLAXRA
- Right-angle stainless steel bracket
- May be used individually or in combination with **SMBLAXU** to provide swivel adjustment
- CAD Files: DXF, PDF, IGS, STP

Includes:
- 2 Brackets
- 4 M5 screws (socket drive, button head)
- 4 M5 T-nuts

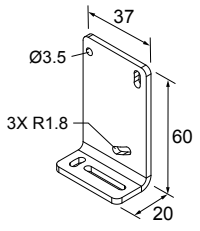


SMBLEL
- Right-angle bracket
- 12 gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP

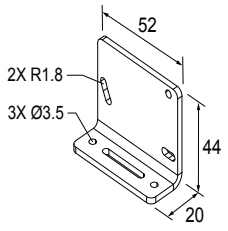
Hole size: A = ø 4.5 with 20° adjustability, B = ø 4.5, C = ø 5.7 with 20° adjustability



SMBLML1
- Right-angle bracket
- 12 gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP



SMBLML2
- Right-angle bracket
- 12 gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP



Continued on page 8

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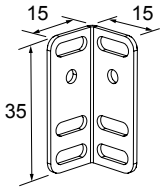
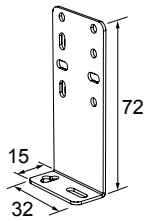
Continued from page 7

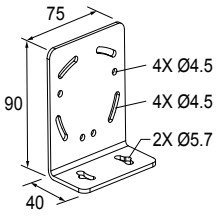
SMBLSTDLQ26
- Adjustable right-angle metal bracket
- 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP



SMBLSTQ26
- Right-angle bracket
- 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP



SMBLTFL
- Right-angle bracket
- 12 gauge stainless steel
- CAD Files: DXF, PDF, IGS, STP



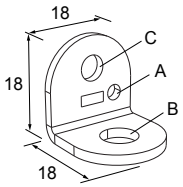
SMBPVAxx Bracket

SMBPVA1
- Set of 4 right-angle brackets
- M4 (#10) screws, washers, and nuts included
- 303 stainless steel
- 2 brackets required per sensor
- CAD Files: DXF, PDF, IGS, STP

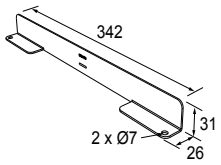
SMBPVLxx Brackets

SMBPVL1
- Right-angle bracket for mounting the pick-to-light array
- 7 mm mounting hole
- 14 gauge cold rolled steel
- CAD Files: DXF, PDF, IGS, STP

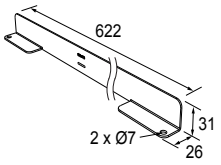
A = ø 3, B = ø 7, C = ø 4.8



SMBPVL3-225
- Right-angle bracket for mounting reflector outside bin
- 7 mm mounting hole
- 14 gauge cold rolled steel
- Includes retroreflective tape
- CAD Files: DXF, PDF, IGS, STP



SMBPVL3-500
- Right-angle bracket for mounting reflector outside bin
- 7 mm mounting hole
- 14 gauge cold rolled steel
- Includes retroreflective tape
- CAD Files: DXF, PDF, IGS, STP



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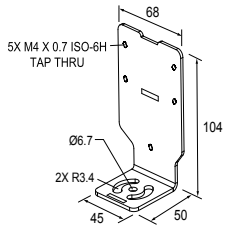
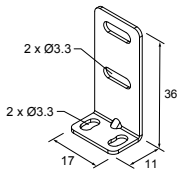
SMBQxx and SMBxQxx Brackets

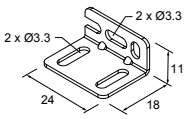
SMBAMSQ5XRA
- Right-angle SMBAMS series bracket
- Articulation slots for 30 deg rotation
- 13-ga. 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP



SMBQ2XA
- Vertical L-shaped bracket
- 20-ga stainless steel
- CAD Files: DXF, PDF, IGS, STP

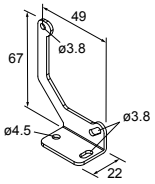


SMBQ2XB
- Rear L-shaped bracket
- 20-ga stainless steel
- CAD Files: DXF, PDF, IGS, STP

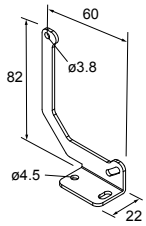


SMBQ45PC
- Stainless steel right-angle bracket
- M30 clearance holes
- Mounts the sensor pair together in the same bracket
- CAD Files: DXF, PDF, IGS, STP

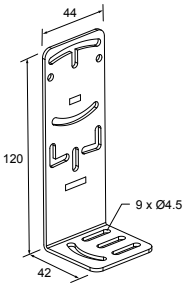
SMBQ50
- Right-angle bracket
- 14-gauge 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP



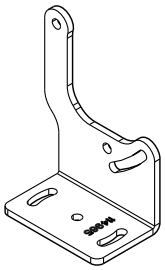
SMBQ60
- Right-angle bracket
- 14-gauge 304 stainless steel
- CAD Files: DXF, PDF, IGS, STP



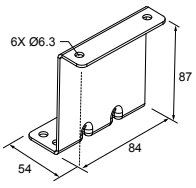
SMBQ76A
- Right-angle mounting bracket
- 14-gauge stainless steel
- ±12 degree tilt adjustment
- Clearance for M4 (#8) hardware
- CAD Files: DXF, PDF, IGS, STP



SMBQC50
- Multi-directional stainless steel L-bracket
- Provides a variety of mounting options
- Includes M4 stainless steel hardware (2 screws, 2 flat washers, 2 lock washers, and 2 nuts)
- CAD Files: DXF, PDF, IGS, STP



SMBRAQ90R
- Right-angle mounting bracket
- 14-Gauge 304 stainless steel
- M6 × 1 mounting hardware included
- CAD Files: DXF, PDF, IGS, STP



SMBRPC
- Stainless steel right-angle bracket
- Includes two **BRT-2x2** reflectors
- CAD Files: DXF, PDF, IGS, STP

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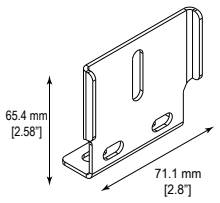
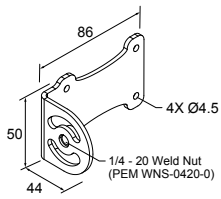
SMBVLxx Bracket

SMBVLA62X62RA
- Right-angle bracket
- 14 gauge steel, black zinc-plated
- CAD Files: DXF, PDF, IGS, STP



SMBZxx Bracket

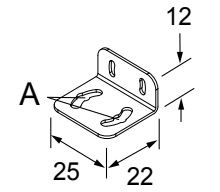
SMBZMXRA
- Right angle mounting bracket, with rotation available
- 12-gauge stainless steel
- M4 × 0.7 mounting hardware included
- CAD Files: DXF, PDF, IGS, STP



VS Series Brackets

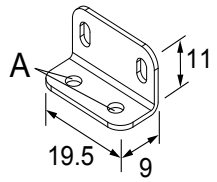
SMBVS1S
- Short right-angle bracket
- 18-ga. stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 16.8
Hole size: A = 3.5 x 12.3



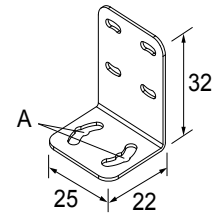
SMBVS1SC
- Short right-angle bracket
- 18-ga. stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 10.0
Hole size: A = ø 2.8



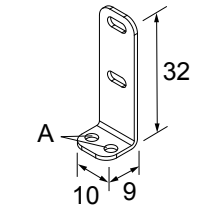
SMBVS1T
- Tall right-angle bracket
- Stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 16.8
Hole size: A = 3.5 x 12.3



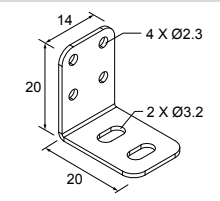
SMBVS1TC
- Tall right-angle compact bracket
- 300 stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 5.5
Hole size: A = ø 2.8



SMBVS2RA
- Right-angle bracket
- Stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 80.0
Hole size: A = 3.2 x 6.0



SMBVS3S
- Right-angle bracket
- 300 stainless steel
- CAD Files: DXF, PDF, IGS, STP

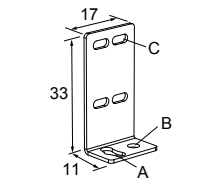
Hole center spacing: A = 13.5
Hole size: A = 3.2 x 7.7

SMBVS3T
- Tall right-angle bracket
- 300 stainless steel
- CAD Files: DXF, PDF, IGS, STP

Hole center spacing: A = 13.5
Hole size: A = 3.2 x 7.7

SMBVS4SRA
- Right-angle bracket
- 300 series stainless steel
- CAD Files: DXF, PDF, IGS, STP

A = 3 x R1.6, B = ø 3.2, C = R1.2



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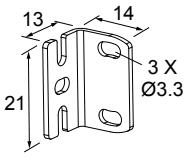
SMBVS8RA
- Right-angle bracket
- 3.1 mm stainless steel
- CAD Files: DXF, PDF, IGS, STP



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