-XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: Š45C)



52 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

53 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

With coil scraper and grease for welding

Applicable Series

| Series | Description | Model | Action | XC88 | XC89 | XC91 | Note | Vol. no. (for std model) | |
|--------|------------------------|---------|---------------------------|------|------|------|-------------------|--------------------------|--|
| MB | Air cylinder | MB-Z | Double acting, Single rod | • | • | • | ø32-ø100 only | 2 -1 From P. 392 | |
| CA2 | Air cylinder | CA2-Z | Double acting, Single rod | • | • | • | | 2 -1 From P. 470 | |
| | Compact cylinder | CQ2-Z | Double acting, Single rod | • | • | • | | | |
| CQ2 | Long stroke | CQ2-Z | Double acting, Single rod | • | • | _ | | Web Catalog | |
| | Anti-lateral load | CQ2□S-Z | Double acting, Single rod | • | • | _ | | | |
| MGP | Compact guide cylinder | MGPM-Z | Double acting | • | • | • | ø32-ø100 only | 2 -2 From P. 432 | |
| MK2T | Rotary clamp cylinder | MK2T | Double acting | _ | • | • | ø32-ø63 only | 2-3 From P. 406 | |
| CKG1 | Clamp cylinder | CKG1-Z | Double acting, Single rod | • | • | • | | 0 0 5 0 101 | |
| CKGI | Clamp cylinder | CKGA | Double acting, Single rod | • | • | • | ø80 and ø100 only | 2- 3 From P. 421 | |

Common Specifications: MB, CA2, CQ2, MK2T, CKG1

| Part no. | | Piston rod material (Hard chrome plating) | | Lube-retainer | Grease for welding | |
|----------|------|---|---------|---------------|-----------------------|--|
| | S45C | Stainless steel 304 | scraper | | loi welaling | |
| -XC88 | _ | • | • | • | • | |
| -XC89 | • | _ | • | • | • | |
| -XC91 | • | _ | • | _ | • | |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

Specifications: MGP

| Part no. | Piston rod/Guide rod material (Hard chrome plating) | | Coil scraper | | Lube-retainer | | Grease for welding | |
|----------|---|---------------------|--------------|-----------|---------------|-----------|--------------------|--|
| | S45C | Stainless steel 304 | Rod side | Head side | Rod side | Head side | welding | |
| -XC88 | _ | • | • | _ | • | _ | • | |
| -XC91 | • | _ | • | _ | • | _ | • | |
| -XC88W | _ | • | • | • | • | • | • | |
| -XC89W | • | _ | • | • | • | • | • | |
| -XC91W | • | _ | • | • | • | _ | • | |

^{*} The current product MGP-XC89 is equivalent to -XC91.





-XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)



MB-XC88/XC89/XC91

62 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC88 53 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Symbol

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

With coil scraper and grease for welding

Applicable Series

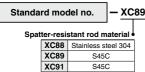
| ĺ | Series | Description | Model | Action | XC88 | XC89 | XC91 | Vol. no. (for std model) |
|---|--------|--------------|-------|---------------------------|------|------|------|--------------------------|
| | MB | Air cylinder | MB-Z | Double acting, Single rod | • | • | • | 2-1 From P. 392 |

Made to Order

| Part | | d material me plated) | Coil | Lube- | Grease | |
|-------|------|--------------------------|---------|----------|---------|--|
| no. | S45C | Stainless steel 304 | scraper | retainer | welding | |
| -XC88 | _ | • | • | • | • | |
| -XC89 | • | _ | • | • | • | |
| -XC91 | • | _ | • | _ | • | |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

How to Order



Specifications

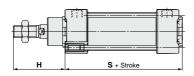
| ø32, ø40, ø50, ø63, ø80, ø100 |
|-------------------------------|
| Rc |
| See right side. |
| None |
| Air cushion |
| See below. |
| Same as standard type |
| |

Max. manufacturable stroke

| Bore size (mm) | Max. manufacturable stroke |
|----------------|----------------------------|
| 32 | 1000 |
| 40 | 1000 |
| 50 | 1000 |
| 63 | 1000 |
| 80 | 1000 |
| 100 | 1000 |

Manufacture of intermediate strokes is possible. (Spacers are not used.) Produced upon receipt of order.

Dimensions (Other dimensions are the same as the standard type.)



| | | | | | | (mm) |
|-----------|-----|-------|----|-----|------|------|
| Bore size | XC8 | 8, 89 | XC | 91 | XC35 | |
| (mm) | Н | S | Н | S | Н | S |
| 32 | 50 | 88 | 47 | 88 | 47 | 88 |
| 40 | 61 | 88 | 58 | 88 | 58 | 88 |
| 50 | 67 | 98 | 67 | 98 | 67 | 98 |
| 63 | 67 | 98 | 67 | 98 | 67 | 98 |
| 80 | 82 | 118 | 81 | 118 | 81 | 118 |
| 100 | 82 | 118 | 81 | 118 | 81 | 118 |

^{*} At 0 stroke

-XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: \$45C)



CA2-XC88/XC89/XC91

Symbol 62 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304) -XC88

53 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

With coil scraper and grease for welding

Applicable Series

| Series | Description | Model | Action | XC88 | XC89 | XC91 | Vol. no. (for std model) |
|--------|--------------|-------|---------------------------|------|------|------|--------------------------|
| CA2 | Air cylinder | CA2-Z | Double acting, Single rod | • | • | • | 2-1 From P. 470 |

Made to Order

| | Part | | d material me plated) | Coil | Lube- | Grease | |
|---|-----------------|------|--------------------------|------|----------|---------|--|
| | no. S4 ! | S45C | Stainless steel 304 | | retainer | welding | |
| Ì | -XC88 | _ | • | • | • | • | |
| | -XC89 | • | _ | • | • | • | |
| ſ | -XC91 | • | _ | • | _ | • | |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

How to Order

| Standard model no. — XC | | | | | | | |
|-------------------------|-----------|--------------|---------|---|--|--|--|
| | XC88 | Stainless st | eel 304 | 1 | | | |
| | XC89 | S45C | | 1 | | | |
| | XC91 S45C | | | | | | |

Specifications

| Bore size | ø40, ø50, ø63, ø80, ø100 |
|----------------------------|--------------------------|
| Tubing material | Aluminum tube |
| Port thread type | Rc |
| Max. manufacturable stroke | See right side. |
| Rod boot | None |
| Cushion | Air cushion |
| Dimensions | See below. |
| Additional specifications | Same as standard type |

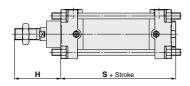
Max. manufacturable stroke

| (11111) | |
|-------------------|--|
| ble strokeNote 1) | |
|) | |
| | |

| Bore size | Max. manufacturable stroke 1) |
|-----------|-------------------------------|
| 40 | 1000 |
| 50, 63 | 1000 |
| 80, 100 | 1000 |
| | |

Note 1) For details about applicable maximum stroke, refer to the model selection table on front matter pages.

Dimensions (Other dimensions are the same as the standard type.)



| | | | | | | (mm) |
|-----------|-----|-------|----|-----|----|------|
| Bore size | XC8 | 8, 89 | XC | 91 | XC | 35 |
| (mm) | Н | S | Н | S | Н | S |
| 40 | 56 | 95 | 51 | 95 | 51 | 95 |
| 50 | 60 | 101 | 58 | 101 | 58 | 101 |
| 63 | 60 | 112 | 58 | 112 | 58 | 112 |
| 80 | 73 | 133 | 71 | 133 | 71 | 133 |
| 100 | 74 | 143 | 72 | 143 | 72 | 143 |

* At 0 stroke





- -XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)
- -XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)
- -XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: \$45C)



CQ2-XC88/XC89/XC91

Symbol

62 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC88

53 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

With coil scraper and grease for welding

- CDQ2 series Standard
- CDQ2 series Long Stroke
- ■CDQ2□S series (Anti-lateral Load)

Applicable Series

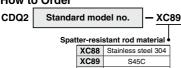
| Series | Description | Model | Action | Note | XC88 | XC89 | XC91 |
|--------|-------------------|-------|---------------------------|---------------|------|------|------|
| | Compact cylinder | CQ2 | Double acting, Single rod | With auto | • | • | • |
| CQ2 | Long stroke | CQ2 | Double acting, Single rod | switch magnet | • | • | _ |
| | Anti-lateral load | CQ2□S | Double acting, Single rod | only | • | • | _ |

Made to Order

| | Part | | d material me plated) | Coil scraper | Lube- | Grease for welding | |
|----|------|------|--------------------------|-----------------|----------|--------------------------|--|
| | no. | S45C | Stainless steel 304 | | retainer | | |
| -> | (C88 | _ | • | • | • | • | |
| -> | (C89 | • | _ | • | • | • | |
| -> | (C91 | • - | | • | _ | • | |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

How to Order



| XC88 | Stainless steel 304 |
|------|---------------------|
| XC89 | S45C |
| XC91 | S45C |

Standard

Specifications

| Bore size | ø32, ø40, ø50, ø63, ø80, ø100 |
|---|-----------------------------------|
| Mounting brackets | Excludes the compact foot bracket |
| Туре | Pneumatic |
| Mounting bolt for the through-hole type | Not included |
| Dimensions | See below. |
| Additional specifications | Same as standard type |

Long stroke

Specifications

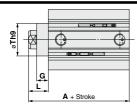
| -p | |
|---------------------------|-----------------------------------|
| Mounting brackets | Excludes the compact foot bracket |
| Туре | Pneumatic |
| Cushion | Rubber bumper |
| Dimensions | See below. |
| Additional specifications | Same as standard type |

Anti-lateral load

Specifications

| Mounting brackets | Excludes the compact foot bracket |
|---------------------------|-----------------------------------|
| Dimensions | See below. |
| Additional specifications | Same as standard type |

Dimensions (Other dimensions are the same as the standard type.)



| | | | | | | | | | | (mm) |
|-----------|----------|----------------|----------------------|-------|----|------------|------|---|----|------------|
| | | | XC88 | 8, 89 | | | XC91 | | | |
| Bore size | Α | | | | | | | | | |
| (mm) | Standard | Long stroke | Anti-lateral load | G | L | Th9 | Α | G | L | Th9 |
| 32 | 50 | 67.5 | 60 | 10 | 17 | 23 -0.052 | 45 | 5 | 12 | 23 - 0.052 |
| 40 | 56.5 | 77 | 66.5 | 10 | 17 | 28 _ 0.052 | 51.5 | 5 | 12 | 28 _ 0.052 |
| 50 | 58.5 | 78.5 | 68.5 | 10 | 18 | 35 _ 0.062 | 53.5 | 5 | 13 | 35 _ 0.062 |
| 63 | 64 | 80 | 74 | 10 | 18 | 35 - 0.062 | 59 | 5 | 13 | 35 - 0.062 |
| 80 | 73.5 | 91 | 83.5 | 10 | 20 | 43_0.062 | 68.5 | 5 | 15 | 43 _ 0.062 |
| 100 | 85 | 102.5 | 95 | 10 | 22 | 59_0,074 | 80 | 5 | 17 | 59 _ 0.074 |

-XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)



MGP-XC88(W)/XC89W/XC91(W)

62 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC88

Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

-XC91

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

Applicable Series

With coil scraper and grease for welding

| Series | Description | Model | Action | XC88 | XC89 | XC91 | Vol. no. (for std model) |
|--------|---------------------------|--------|--------|------|------|------|---------------------------|
| MGP | Compact guide cylinder | MGPM-Z | Double | • | • | • | 2 -2 From P 432 |

Made to Order

| made to Graci | | | | | | | | |
|---------------|-----------|-------------------------------------|----------|-----------|----------|---------------|---------|--|
| Part no. | Guide roo | n rod/ d material me plating) | Coil s | craper | Lube-r | Grease for | | |
| | S45C | Stainless steel 304 | Rod side | Head side | Rod side | Head side | welding | |
| -XC88 | _ | • | • | _ | • | _ | • | |
| -XC91 | • | _ | • | _ | • | _ | • | |
| -XC88W | _ | • | • | • | • | • | • | |
| -XC89W | • | _ | • | • | • | • | • | |
| -XC91W | • | _ | • | • | • | _ | • | |
| • | | | | | | | | |

^{*} The current product MGP-XC89 is equivalent to -XC91.

Specifications

| Bore size | | ø32, ø40, ø50, ø63, ø80, ø100 |
|---------------------------|---------------------|-------------------------------|
| Max. operating | XC88, XC91 | 0.12 MPa |
| pressure | XC88W, XC89W, XC91W | 0.14 MPa |
| Dimension | ns | See below. |
| Additional specifications | | Same as standard type |

How to Order

| Standard model no. | - XC88W |
|--------------------|---------|
|--------------------|---------|

Spatter-resistant rod material

| XC88: Single side scraper | Stainless steel 304 |
|---------------------------|---------------------|
| XC91: Single side scraper | S45C |
| XC88W: Both sides scraper | Stainless steel 304 |
| XC89W: Both sides scraper | S45C |
| XC91W: Both sides scraper | S45C |

Single side scraper

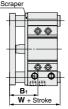
Both sides scraper





Dimensions (Other dimensions are the same as the standard type.)

Single side scraper (-XC88, -XC91)

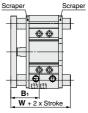


| | (1111) | | | | | |
|-----------|----------------|-----------|----------------|-----------|----------------|-----------|
| Bore size | XC88 | | XC91 | | XC35 | |
| (mm) | B ₁ | W Note 1) | B ₁ | W Note 1) | B ₁ | W Note 1) |
| 32 | 53 | 85 | 53 | 85 | 53 | 85 |
| 40 | 54 | 85 | 54 | 85 | 54 | 85 |
| 50 | 62 | 98.5 | 62 | 98.5 | 62 | 98.5 |
| 63 | 62 | 98.5 | 62 | 98.5 | 62 | 98.5 |
| 80 | 78 | 114.5 | 78 | 114.5 | 78 | 114.5 |
| 100 | 71 | 136.5 | 71 | 136.5 | 71 | 136.5 |

^{*} At 0 stroke

Note 1) W dimensions are for 50 stroke or less.

Both sides scraper (-XC88W, -XC89W, -XC91W)



| Bore size (mm) | XC88W XC89W | | XC91W | | XC35W | |
|-------------------|----------------|-------|----------------|-------|----------------|-------|
| | B ₁ | W | B ₁ | W | B ₁ | W |
| 32 | 53 | 82.5 | 53 | 82.5 | 53 | 82.5 |
| 40 | 54 | 89 | 54 | 89 | 54 | 89 |
| 50 | 62 | 95 | 62 | 95 | 62 | 95 |
| 63 | 62 | 100 | 62 | 100 | 62 | 100 |
| 80 | 78 | 120.5 | 78 | 120.5 | 78 | 120.5 |
| 100 | 71 | 143 | 71 | 143 | 71 | 143 |





(mm)

-XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: \$45C)



MK2T-XC89/XC91

Symbol -XC89

Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

With coil scraper and grease for welding

Applicable Series

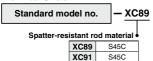
| Series | Description | Model | Action | XC89 | XC91 | Vol. no. (for std model) |
|--------|--------------------------|-------|---------------|------|------|-----------------------------|
| MK2T | Rotary clamp cylinder | MK2T | Double acting | • | • | 2 -3 From P. 406 |

Made to Order

| Part no. | Piston rod material (Hard chrome plated) S45C | Coil scraper | Lube- retainer | Grease for welding | |
|----------|---|--------------|-------------------|--------------------|--|
| -XC89 | • | • | • | • | |
| -XC91 | • | • | ı | • | |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

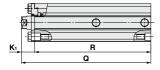
How to Order



Specifications

| Bore size | ø32, ø40, ø50, ø63 |
|---------------------------|-----------------------|
| Dimensions | See below. |
| Additional specifications | Same as standard type |

Dimensions (Other dimensions are the same as the standard type.)



Clamp stroke: 10 mm

| Dave size | | XC89 | | | | |
|-----------|-------|------|------------|-------|-----|------------|
| Bore size | Q | R | K 1 | Q | R | K 1 |
| 32 | 156 | 140 | 16 | 148 | 140 | 8 |
| 40 | 160.5 | 144 | 16.5 | 151.5 | 144 | 7.5 |
| 50 | _ | _ | _ | _ | _ | _ |
| 63 | _ | _ | _ | _ | _ | _ |
| | | | | | | |

Clamp stroke: 20 mm

| (mm) | |
|------|--|
| | |

(mm)

| Oldring Stroke: 20 mm | | | | | | | (111111) |
|-----------------------|-----------|-------|------|------------|-------|------|------------|
| | Bore size | | XC89 | | | XC91 | |
| | Bore size | Q | R | K 1 | Q | R | K 1 |
| | 32 | 176 | 160 | 16 | 168 | 160 | 8 |
| | 40 | 180.5 | 164 | 16.5 | 171.5 | 164 | 7.5 |
| | 50 | 202.5 | 179 | 23.5 | 191 | 179 | 12 |
| | 63 | 205 | 182 | 23 | 192 | 182 | 10 |

Clamp stroke: 50 mm

(mm)

| Clamp stroke: 30 mm | | | | | | | |
|---------------------|-----|-------|------------|-------|-------|------------|--|
| Bore size | | XC89 | XC89 | | XC91 | | |
| bore size | Q | R | K 1 | Q | R | K 1 | |
| 32 | _ | _ | _ | _ | _ | _ | |
| 40 | _ | _ | _ | _ | _ | _ | |
| 50 | 266 | 242.5 | 23.5 | 254.5 | 242.5 | 12 | |
| 63 | 269 | 246 | 23 | 256 | 246 | 10 | |

- -XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)
- -XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)
- -XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)



CKG1-XC88/XC89/XC91

Symbol

62 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC88

63 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

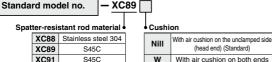
With coil scraper and grease for welding

- CKG1 series (Magnetic Field Resistant Auto Switch Rod Mounting Type
- CKG1 series General Purpose Auto Switch Band Mounting/Rod Mounting

Applicable Series

| Series | Description | Model | Action | XC88 | XC89 | XC91 | Vol. no. (for std model) | | |
|--------|----------------|--------|----------------------------|------|------|------|--------------------------|--|--|
| CKG1 | Clamp cylinder | CKG1-7 | Double action. Single rod. | • | • | • | 2 From P 421 | | |

How to Order



Note) The dimensions of the product with the air cushion on both ends are the same as those of the product with the air cushion on the unclamped side (head end).

Made to Order

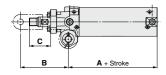
| | | Piston ro (Hard chro | me plated) | Coil scraper | Lube- | Grease for welding |
|---|-------|-------------------------|------------------------|-----------------|----------|--------------------------|
| | | S45C | Stainless steel 304 | | retainer | |
| Ī | -XC88 | _ | • | • | • | • |
| | -XC89 | • | _ | • | • | • |
| | -XC91 | • - | | • | _ | • |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

Specifications

| Bore size | ø40, ø50, ø63 | | | | |
|---------------------------|---|--|--|--|--|
| End bracket | Y, YA | | | | |
| Option | Mounting brackets "B," "D," "L," and "K" are not available. See below. | | | | |
| Dimensions | | | | | |
| Additional specifications | Same as standard type | | | | |

Dimensions (Other dimensions are the same as the standard type.)



| | | | | | | (mm) | |
|-----------|----|----------|----|------|----|------|--|
| Bore size | | XC88, 89 | | XC91 | | | |
| (mm) | Α | В | С | Α | В | С | |
| 40 | 78 | 97 | 43 | 78 | 97 | 52 | |
| 50 | 78 | 97 | 43 | 78 | 97 | 52 | |
| 63 | 78 | 97 | 43 | 78 | 97 | 52 | |

* At 0 stroke





-XC88: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC89: Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC91: Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: Š45C)



CKGA-XC88/XC89/XC91

Symbol

62 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: Stainless steel 304)

-XC88

63 Spatter Resistant Coil Scraper, Lube-retainer, Grease for Welding (Piston rod: S45C)

-XC89

Reduces spatter adhesion and improves durability by the use of the coil scraper, Lube-retainer and grease for welding.

64 Spatter Resistant Coil Scraper, Grease for Welding (Piston rod: S45C)

-XC91

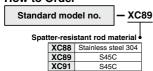
With coil scraper and grease for welding

■ CKGA series Rod Mounting

Applicable Series

| ĺ | Series | Description | Model | Action | XC88 | XC89 | XC91 | Vol. no. (for std model) |
|---|--------|----------------|-------|---------------------------|------|------|------|--------------------------|
| | CKG1 | Clamp cylinder | CKGA | Double acting, Single rod | • | • | • | 2-3 From P. 421 |

How to Order



Specifications

| Bore size | ø80, ø100 | | |
|---------------------------|-----------------------|--|--|
| Dimensions | Same as standard type | | |
| Additional specifications | Same as standard type | | |

Made to Order

| Part | (Hard chro | d material me plated) | Coil scraper | Lube- retainer | Grease for welding |
|-------|------------|--------------------------|-----------------|-------------------|--------------------------|
| no. | S45C | Stainless steel 304 | | | |
| -XC88 | _ | • | • | • | • |
| -XC89 | • | _ | • | • | • |
| -XC91 | • | _ | • | _ | • |

Note) Use the -XC91 in a place where the distance from the welding portion is far and the spatter scattering is minimized.

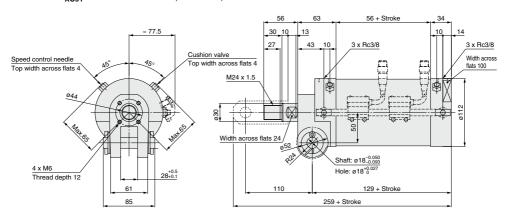
CKGA-XC88/XC89/XC91

Rod Mounting

ø80 to ø100

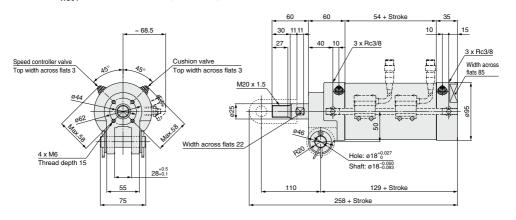
CKGA100-XC88/XC89

With auto switch (D-P4DWS□).



CKGA80-XC88/XC89

With auto switch (D-P4DWS□).



The specifications of the end bracket (double knuckle joint with pins) are the same as those of the standard model.

Comparison of the Dimensions of Each Series

The -XC88/XC89/XC91 and standard product have the same dimensions.