

## Accessories

### Ordering code

**F-ACQ 50 LB**

Accessory | Model | Bore size

Accessory type ①

Mounting accessory	LB: LB type FA: FA type FB: FB type CB: CB type ②
Knuckle ③	I: I Knuckle Y: Y Knuckle

- ① Please refer to accessory list for selection and ordering information.
- ② CB is attached with relevant PIN.
- ③ Please refer to page 455, 456 for others knuckle.

### Accessory selection

Cylinder model	Accessories	Mounting accessory	Knuckle ①		Sensor switch ②			
			I	Y	CS1-J	CS1-G	DS1-H	
ACQ	Female thread	Standard	●	●	●	●	×	×
	With magnet	Standard	●	●	●	●	×	●
ATQ	Male thread	Standard	●	●	●	●	×	×
	With magnet	Standard	●	●	●	●	×	●
ACQD	Female thread	Standard	●	●	×	×	×	×
	With magnet	Standard	●	●	×	×	×	●
ACQJ	Male thread	Standard	●	●	×	×	×	×
	With magnet	Standard	●	●	×	×	×	●

- ① Please refer to P453~456 for knuckle detail.
- ② Please refer to P457~480 for detail of sensor switch.
- ③ Mounting accessories and Knuckle unavailable for bore size 125,140,160 cylinder. DS1-H sensor switch only available for bore size 125,140,160 cylinder.

### Material of accessories

Bore size	Accessories				Mounting accessories				Knuckle			
	LB	FA	FB	CB	I	Y	F	U				
12、16	△	●	●	●	▲	▲	▲	▲				
20、25	△	●	●	●	▲	▲	▲	▲				
32~100	△	●	●	■	▲	■	▲	▲				

●—Aluminum alloy; ▲—S45C; ■—Cast iron, △—SPCC;

### List for ordering code of accessories

Bore size	Accessories			Mounting accessory			Sensor switch
	LB	FA	FB	CB			
12	F-ACQ12LB	F-ACQ12FA	F-ACQ12FB	F-ACQ12CB	CS1-G DS1-G		
16	F-ACQ16LB	F-ACQ16FA	F-ACQ16FB	F-ACQ16CB			
20	F-ACQ20LB	F-ACQ20FA	F-ACQ20FB	F-ACQ20CB			
25	F-ACQ25LB	F-ACQ25FA	F-ACQ25FB	F-ACQ25CB			
32	F-ACQ32LB	F-ACQ32FA	F-ACQ32FB	F-ACQ32CB	CS1-J DS1-J		
40	F-ACQ40LB	F-ACQ40FA	F-ACQ40FB	F-ACQ40CB			
50	F-ACQ50LB	F-ACQ50FA	F-ACQ50FB	F-ACQ50CB			
63	F-ACQ63LB	F-ACQ63FA	F-ACQ63FB	F-ACQ63CB			
80	F-ACQ80LB	F-ACQ80FA	F-ACQ80FB	F-ACQ80CB	CS1-G DS1-G		
100	F-ACQ100LB	F-ACQ100FA	F-ACQ100FB	F-ACQ100CB			
125	-	-	-	-			
140	-	-	-	-	DS1-H CS1-G		
160	-	-	-	-	DS1-G		

Bore size	Knuckle			
	I: I Knuckle	Y: Y Knuckle	F: F Knuckle	U: U Knuckle
12	F-ACQ12I	F-ACQ12Y	-	F-M5X080U
16	F-ACQ16I	F-ACQ16Y	-	F-M6X100U
20	F-ACQ20I	F-ACQ20Y	F-M8X125F	F-M8X125U
25	F-ACQ25I	F-ACQ25Y	F-M10X125F	F-M10X125U
32	-	-	-	-
40	F-ACQ32I	F-ACQ32Y	F-M14X150F	F-M14X150U
50	-	-	-	-
63	F-ACQ50I	F-ACQ50Y	F-M18X150F	F-M18X150U
80	F-ACQ80I	F-ACQ80Y	-	-
100	F-ACQ100I	F-ACQ100Y	-	-

### Dimensions

**FA, FB**

**Φ12~Φ25**

**Φ32~Φ100**

Item	A			C			M	N	N1	FD	FT	FV	FX	FZ
	Without magnet	With magnet	Stroke	Without magnet	With magnet	Stroke								
12	20.5	-	31.5	17	-	28	15.5	4.5	7.5	4.5	5.5	25	45	55
16	22	22	34	18.5	18.5	30.5	20	4.5	7.5	4.5	5.5	30	45	55
20	24	-	34	19.5	-	29.5	31.5	6.5	10.5	6.5	8	39.5	48	60
25	27.5	-	37.5	22.5	-	32.5	32.5	8	10.5	6.5	8	42	52	64
32	30	-	40	23	-	33	33	8	10.5	6.5	8	48	56	65
40	36.5	-	46.5	29.5	-	39.5	39.5	10	10.5	6.5	8	54	62	72
50	38.5	-	48.5	30.5	-	40.5	40.5	11	13.5	6.5	9	67	76	89
63	44	-	54	36	-	46	46	12	16.5	9	10	80	92	108
80	53.5	-	63.5	43.5	-	53.5	53.5	14	18.5	11	12	99	116	134
100	65	-	75	53	-	63	63	16	18.5	11	12	117	136	154



ACQ