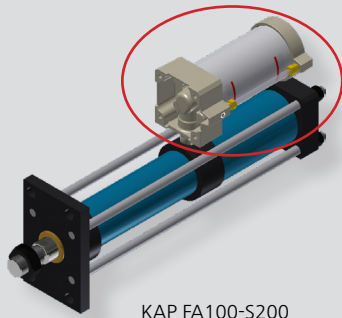


# KAP series

Option: Air-Hydro converter (CCTS Series)

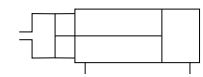


KAP FA100-S200

### Features

- System converts air to high oil pressure for high power applications. (Maximum Pressing Distance 8mm)
- Obtain high hydraulic pressure from low air pressure.
- Boosting air pressure up to 32 times.
- Can be integrated with hydraulic equipment.

Symbol



## How to Order

KAP - FA 5 - S 200 - CCTS63 - 100

①      ②      ③      ④      ⑤      ⑥

### ① Series

KAP	Direct mount booster cylinder
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### ② Mounting style

FA	Rod side flange
FB	Head side flange

### ③ Output(Ton)

3	3ton
5	5ton
10	10ton
15	15ton
20	20ton
30	30ton
40	40ton

### ④ Cylinder stroke

50, 100, 150, 200, 250, 300
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\* Please contact us when ordering nonstandard administration.

### ⑤ Air Hydro Converter (Inner Diameter)

CCTS63, CCTS, 100, CCTS160
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### ⑥ Air Hydro Converter (Stroke)

50, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800
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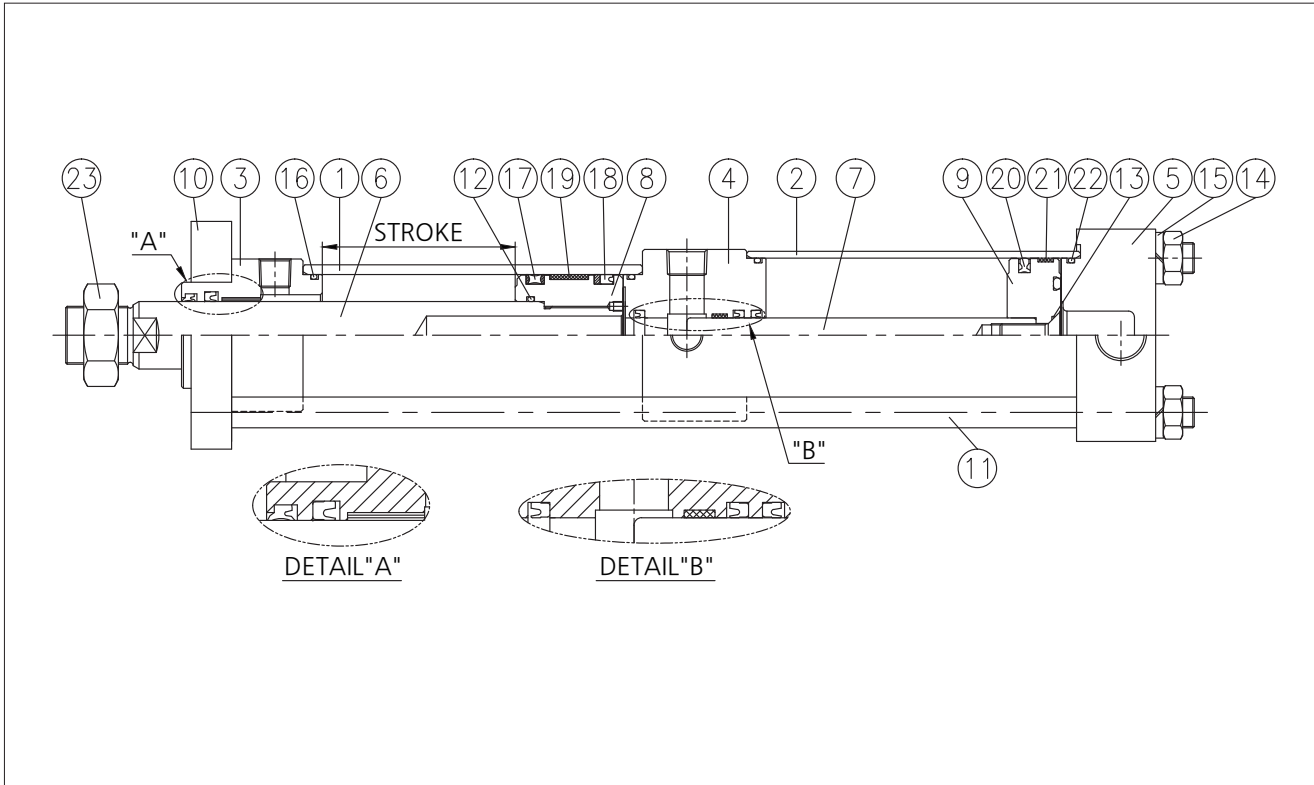
\* Please refer to CCTS series page for detailed specification of air hydro converter.

## Specifications

Bore size	KAP-3	KAP-5	KAP-10	KAP-15	KAP-20	KAP-30	KAP-40
Output	3ton	5ton	10ton	15ton	20ton	30ton	40ton
Boosting ratio	1:20	1:25	1:25	1:25	1:28	1:31	1:32
Fluid	Air						
Proof pressure	14.7kgf/cm <sup>2</sup> (1.5MPa)						
Operating pressure	3~5kgf/cm <sup>2</sup> (0.3~0.5MPa)						
Hydraulic cylinder inner diameter (mm)	63	80	100	125	140	160	180

□ The boost ratio is output when the air pressure is 5kgf / □ (0.5MPa).

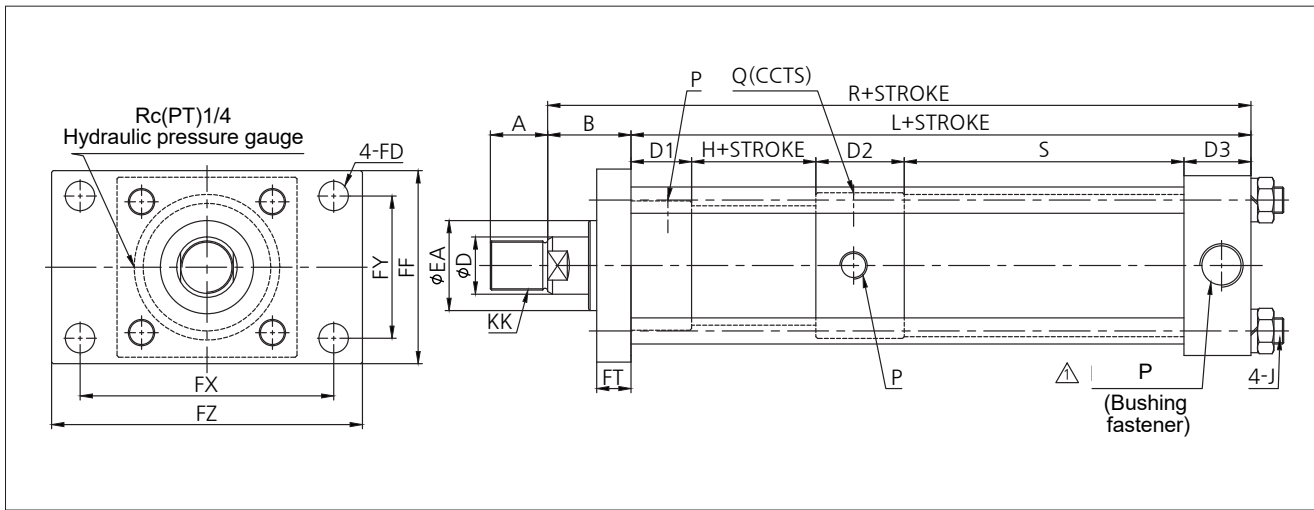
Structures



Part no.	Parts	Material	Remarks
1	TUBE A	STKM13C	-
2	TUBE B	STKM13C	-
3	ROD COVER	SM45C	Black Oxide Coating
4	MIDDLE COVER	SM45C	Black Oxide Coating
5	HEAD COVER	SS400	Black Oxide Coating
6	ROD A	SM45C	Hard Chromium Plating
7	ROD B	SM45C	Hard Chromium Plating
8	PISTON A	SM45C	-
9	PISTON B	AL	-
10	FA	SS400	Black Oxide Coating
11	TIE ROD	SM45C	Black Oxide Coating
12	ROD O-RING A	NBR	-

Part no.	Parts	Material
13	ROD O-RING B	NBR
14	TIE ROD NUT	SM45C
15	SPRING WASHER	SWRH
16	TUBE O-RING A	NBR
17	PISTON SEAL	NBR
18	PISTON SEAL	NBR
19	WEARING	-
20	PISTON SEAL	NBR
21	WEARING	-
22	TUBE O-RING B	NBR
23	Rod End Nut	SM45C

Dimensions(FA)

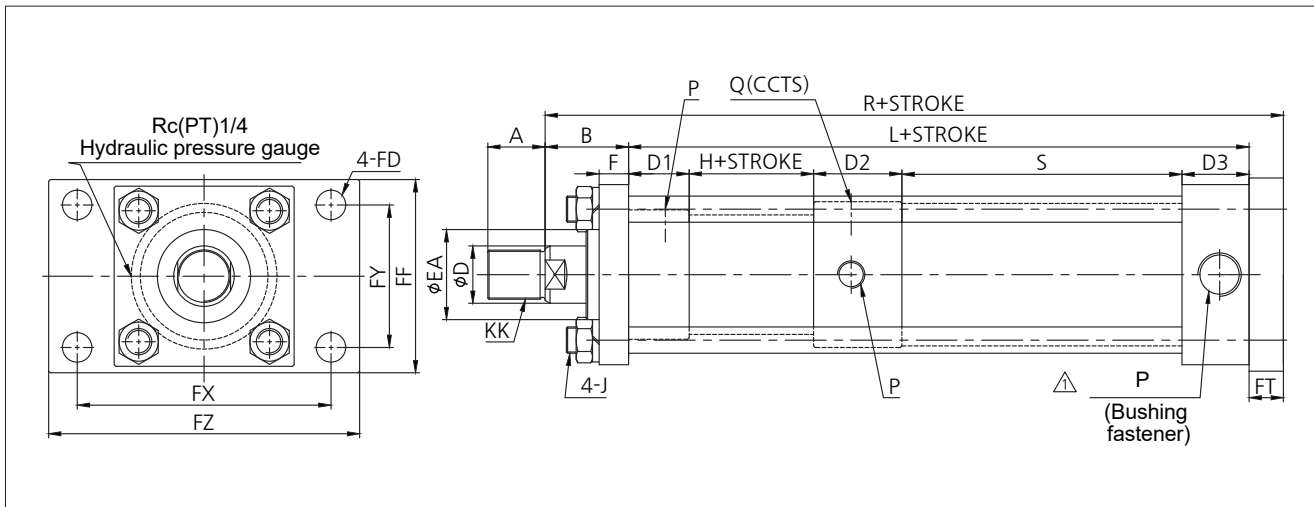


Unit: mm

Bore size	A	B	ØD	D1	D2	D3	ØEA	FD	FF	FT	FX	FY	FZ	H
KAP-3	35	51	35	37	54	41	55	18	118	21	155	87	190	76
KAP-5	60	60	45	38	59	41	65	22	150	24	190	109	230	79
KAP-10	75	60	55	43	62	47	80	26	175	27	224	130	272	84
KAP-15	80	60	60	40	72	44	85	26	195	31	250	145	300	89
KAP-20	80	70	65	40	70	44	90	30	210	35	270	155	320	97
KAP-30	95	80	70	40	75	56	105	33	243	39	315	185	375	112
KAP-40	110	84	90	50	80	63	115	36	272	44	355	206	425	117

Bore size	J	KK	L	P	Q	R	S
KAP-3	M16x1.5P	M30x1.5P	379	3/8	1/2	430	171
KAP-5	M18x1.5P	M39x1.5P	427	1/2	3/4	487	210
KAP-10	M22x1.5P	M48x1.5P	445	1/2	3/4	505	209
KAP-15	M22x1.5P	M56x2P	490	1/2	1	550	245
KAP-20	M27x1.5P	M60x2P	546	3/4	1	616	295
KAP-30	M30x1.5P	M64x2P	578	3/4	1	658	295
KAP-40	M33x1.5P	M80x2P	620	3/4	1	704	310

Dimensions(FB)



Unit: mm

Bore size	A	B	ØD	D1	D2	D3	ØEA	FD	FF	FT	FX	FY	FZ	H
KAP-3	35	51	35	37	54	41	55	18	118	21	155	87	190	76
KAP-5	60	60	45	38	59	41	65	22	150	24	190	109	230	79
KAP-10	75	60	55	43	62	47	80	26	175	27	224	130	272	84
KAP-15	80	60	60	40	72	44	85	26	195	31	250	145	300	89
KAP-20	80	70	65	40	70	44	90	30	210	35	270	155	320	97
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