

KAK series



Features

- Improved internal air circuit and controlled by pneumatic only through check valve and spool valve.
- Use direct / indirect strike-compatible brackets to maximize user convenience.
- Control of strike number through speed control valve without solenoid valve.
- Adjustable strike force according to user. (AK-22, 38, 55)

How to Order

KAK-15

①

① Model

KAK-15	All in one air knocker
KAK-22	
KAK-38	
KAK-55	

Specifications

Model	Recommended Pressure & Hits per time		Impact Force [kg·m/s] (4~6 bar)	Stroke [mm]	Air Consumption [l/time] (5~6 bar)	Weight [kg]
	Pressure [kgf/cm ²]	hammering [time/min]				
KAK-15	over 5	20 ~ 30	0.7 ~ 1.05	20	0.023	0.7
	over 4	30 ~ 120			0.025	
KAK-22	over 5	20 ~ 30	1.12 ~ 1.68	20	0.039	1.12
	over 4	30 ~ 120			0.05	
KAK-38	over 5	10 ~ 30	4.71 ~ 7.06	30	0.15	3.14
		30 ~ 60			0.18	
KAK-55	over 5	10 ~ 30	34.5 ~ 51.7	50	0.56	13.8
		30 ~ 60			0.69	

- ※ Impact force data that measured at at 5kgf/cm² pressure.
- ※ These measurements were measured under our test conditions.
- ※ Install air piping length within 3 Meter.

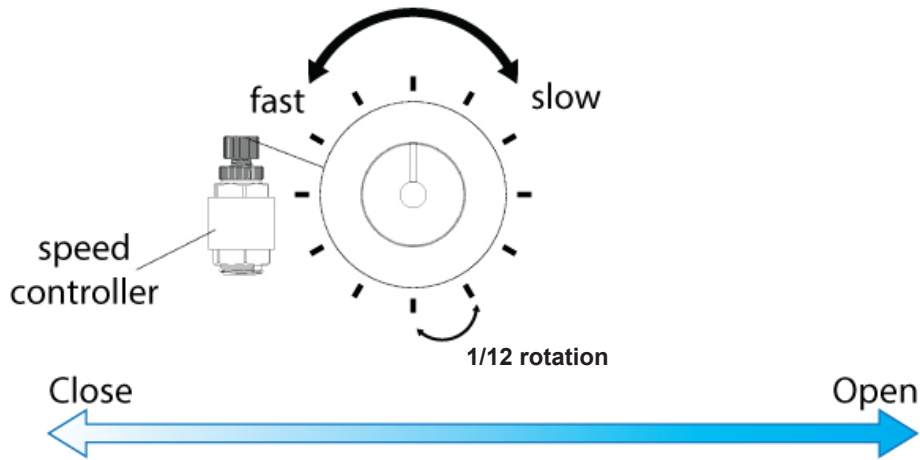
Applications

- In case of a constant blow to the powder or raw material
- The point of a bottleneck where workers must hammer, etc. from time and again
- Resolving the rearrangement of materials due to the high vibration and high power of existing vibrators
- In case a blow is required by pneumatic alone without electrical equipment in the location of explosion hazard.

⚠ Precautions for use

1. Please check supplying air pressure. And supply nonvolatile oil through a lubricator. (* Operation pressure : 5~7kg/cm²)
2. Please use a filter before the AK Knocker as close as possible, for supplying Clean Dry Air

Knocking cycle in accordance with speed control adjustment

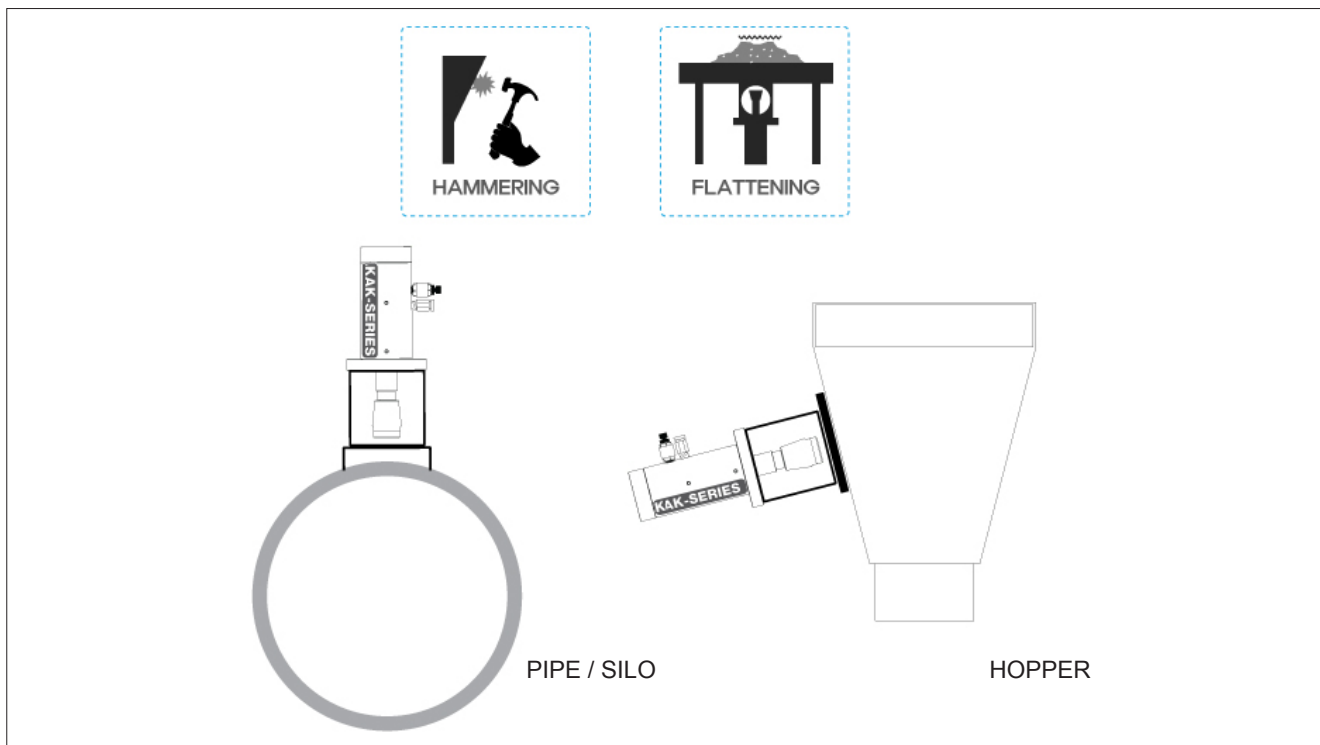


5kgf/cm ²	0 (Rotation)	1/12	2/12	3/12	4/12	5/12	6/12	7/12
KAK-15	0	9	30	40	60	100	120	290
KAK-22	0	3	12	30	50	60	90	120
KAK-38	0	10	20	34	48	60	76	93
KAK-55	0	3	6	10	15	20	25	30
6kgf/cm ²	0 (Rotation)	1/12	2/12	3/12	4/12	5/12	6/12	7/12
KAK-15	0	20	67	120	150	240	272	320
KAK-22	0	20	33	48	60	75	110	140
KAK-38	0	10	25	40	56	75	87	100
KAK-55	0	5	10	15	20	25	30	35

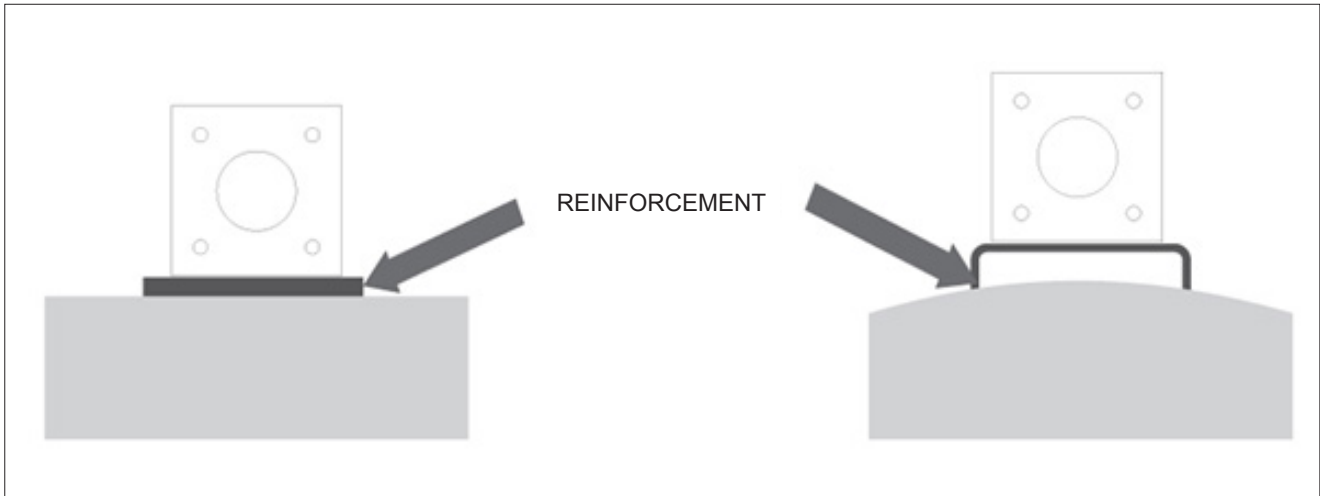
rotating step
Not recommended rotating step

Example) KAK-55, 1/12 rotation : Hit count increases by 5 (max. 1 rotation)
 ※ In the above figures, 0 rotation means the speed control valve is completely closed.
 ※ Since this is our test value, be sure to adjust it within the recommended number of hits according to the environment.
 ※ It may change depending on the environment of usage and test method.

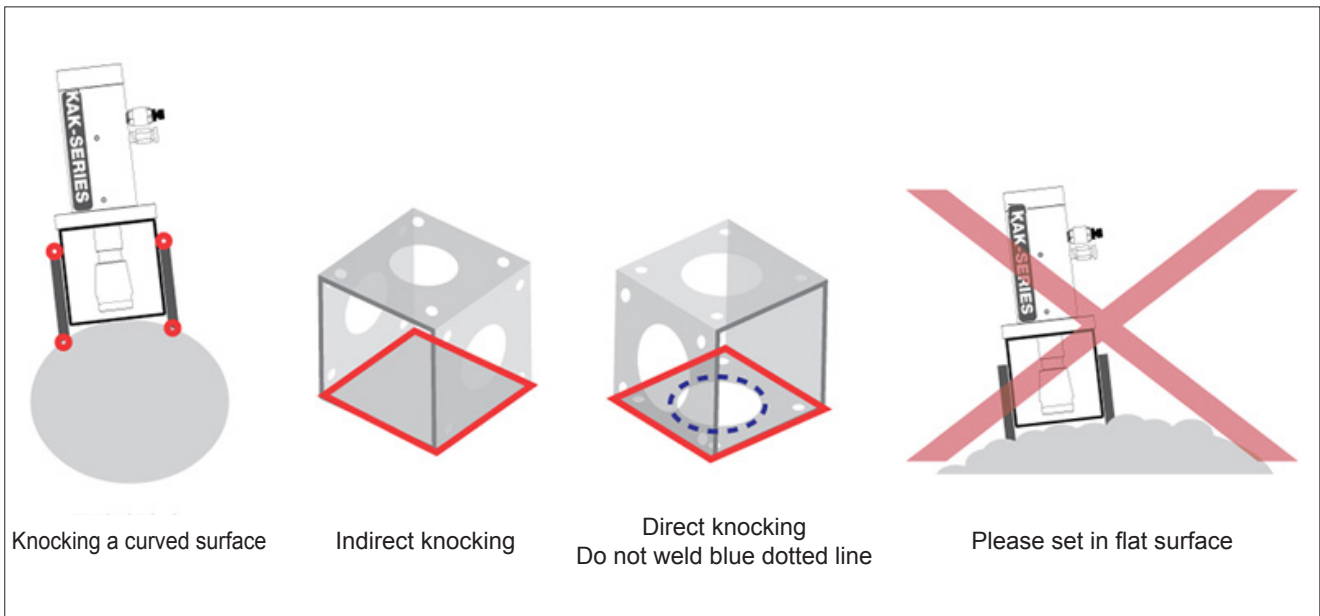
Application Example



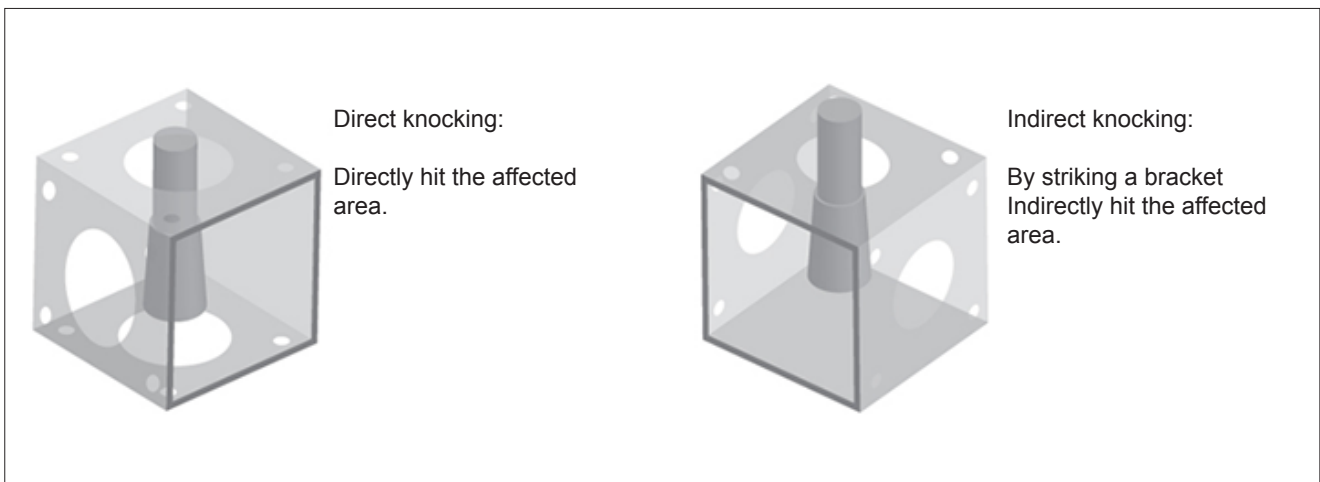
※ Easy to install to hopper, pipe or silo thank to bracket that enable welding.

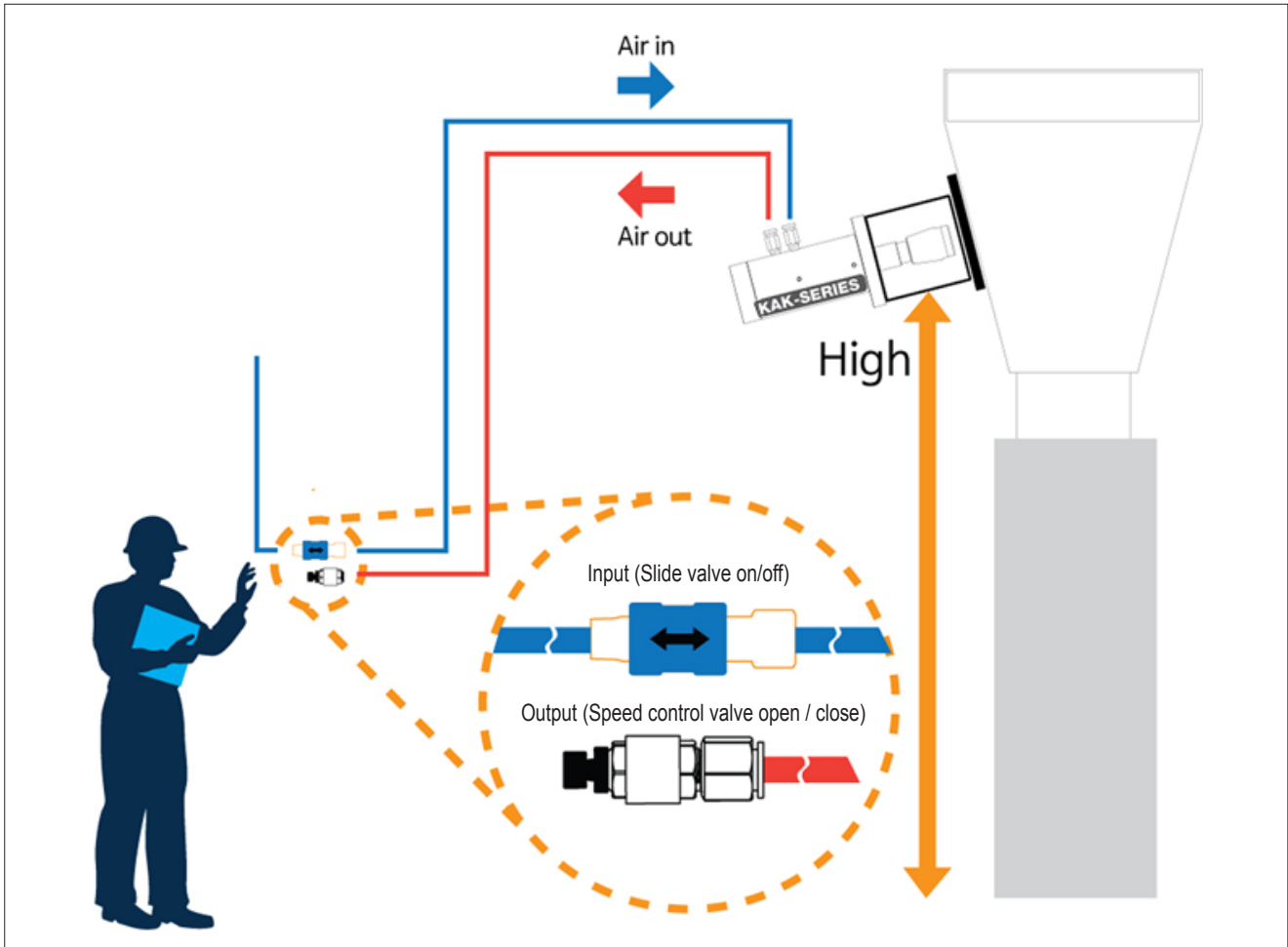


※ When installing, add a reinforcing plate (to prevent hopper damage)



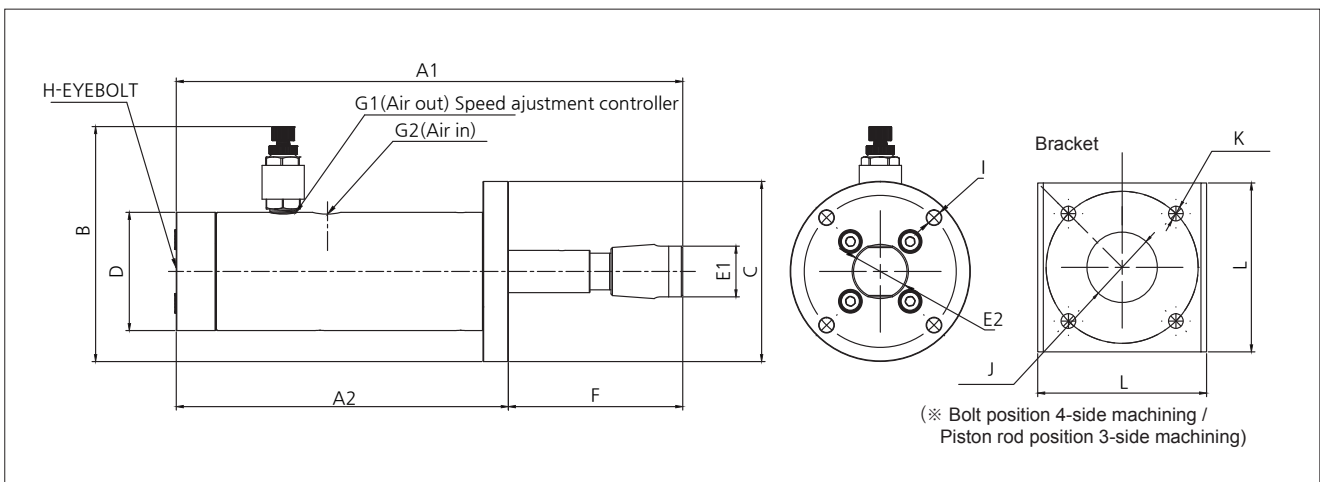
※ When welding the bracket, weld the red marked part above.





※ Install the air hose to the minimum length (max. 3 Meter)

Dimensions



Unit: mm

Model	A1	A2	B	C	D	E1	E2	F	G1	G2	H	I	J	K	L
KAK-15	151~180	118	83	64	42	18	20	33~62	1/8"	1/8" ø6	M6	M5-P.C.D 54	25	M5-P.C.D 54	60
KAK-22	175.5~202.5	130.5	100	84	54	28	32	55~77	1/8"	1/8" ø8	M8	M6-P.C.D 70	35	M6-P.C.D 70	75
KAK-38	249.5~298	196	135	118	79	40	46	53.5~102	1/4"	1/4" ø10	M10	M8-P.C.D 100	53	M8-P.C.D 100	100
KAK-38	379~448	270	185	164	114	60	70	109~177	3/8"	3/8" ø12	M12	M10-P.C.D 138	80	M10-P.C.D 138	175

※ These measurements were measured under our test conditions.