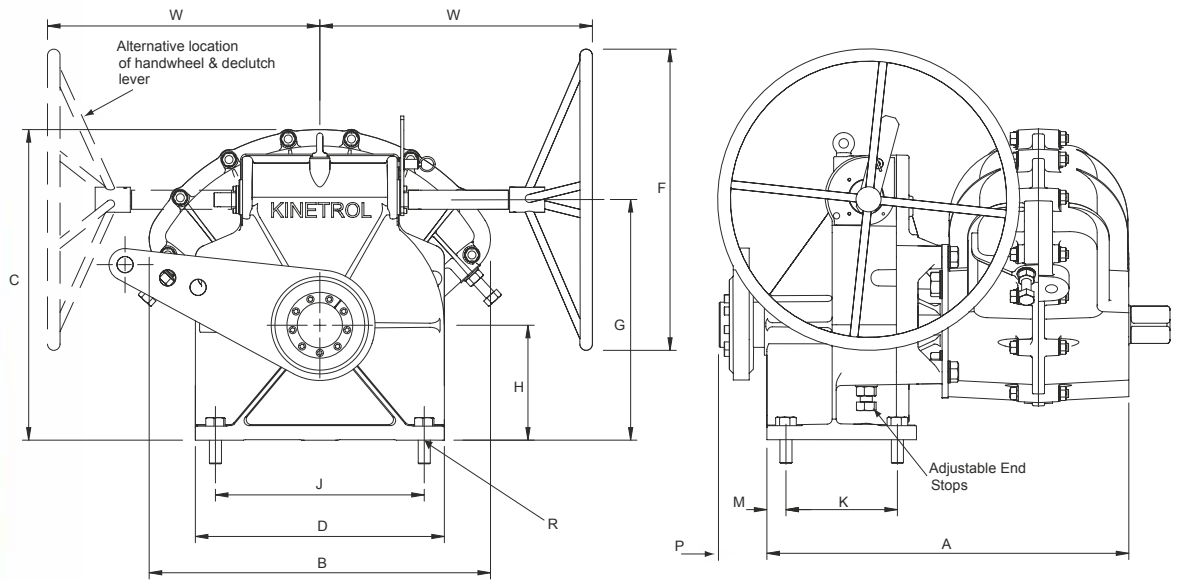


Purpose designed, factory built and tested drives for air/gas flow control dampers on burner, heater, boiler and turbine systems in power plants, refineries and a wide range of industrial applications.

Combining the proven performance of Kinetrol's vane type actuator with an equally rugged integral manual override/mounting frame, the G3 drive is compact with unbeatable control, accuracy and cycle life.

US Patent

LH handwheel position shown



**Metric Units**

Model	A mm	B mm	C mm	D mm	W* mm	F* mm	G mm	H mm	J mm	K mm	ØR mm	M mm	P mm	Weight† kgs
144	410	381	390	275	276	300	300	165	216	152	21	25	70	46
164	495	525	470	275	305	400	300	165	216	152	21	25	70	51
184	721	680	620	496	406	760	479	229	416	222	27	38	94	141
204	981	680	620	496	508	600	479	229	416	222	27	38	94	158

**English Units**

Model	A inch	B inch	C inch	D inch	W* inch	F* inch	G inch	H inch	J inch	K inch	ØR inch	M inch	P inch	Weight† lbs
147	16.2	14.1	15.4	10.8	11.0	12.0	11.8	6.5	8.50	6.00	0.83	1	2.8	102
167	19.5	20.7	18.5	10.8	12.0	16.0	11.8	6.5	8.50	6.00	0.83	1	2.8	112
187	28.4	26.8	24.3	19.5	17.0	30.0	18.9	9.0	16.38	8.75	1.05	1.5	3.7	310
207	38.6	27.2	24.3	19.5	20.0	24.0	18.9	9.0	16.38	8.75	1.05	1.5	3.7	350

\* Default dimensions may change according to ordering code options

† Listed weights exclude actuator

- Integral manual override
- Suitable for new installations or replacement of existing electric or pneumatic drives
- Available with same mounting foot print to replace existing floor mount drives
- Can result in lower energy costs resulting from accurate flow control
- Reduced operating costs due to long maintenance-free life (2 million operation warranty)
- Compact space saving design
- Quick and easy installation and set up
- Robust construction with durable epoxy finish
- Manual override usable with actuator removed

## Options

- Double acting and spring fail-safe (open or closed)
- Modulating (3-15 psi and 4-20mA signal)
- Fail to low signal
- Lock in last position
- Limit switch remote position indication
- 4-20mA angle retransmission
- High visibility position indication
- Different sided/diameter handwheels and extensions
- Infinitely adjustable output levers to suit existing or new requirements



## Ordering Codes

**HANDWHEEL SIDE**  
(SEE SKETCH)  
L=LEFT  
R=RIGHT

**HANDWHEEL DIAMETER (F)**

2=254mm 10"
3=300mm 12"
4=400mm 16"
5=600mm 24"
6=762mm 30"

**AVAILABLE ON MODELS:**

	14	16	18	20
E				
S	E			
E	S			
		E	E	S
			S	

**OUTPUT LEVER THICKNESS (t)**

1=3/8"
2=1/2"
3=5/8"
4=3/4"
5=7/8"
6=1"
7=1 1/8"
8=1 1/4"
9=1 1/2"

**OPTIONAL LIMIT SWITCH BOX (TO INDICATE IF HANDWHEEL IS ENGAGED OR DISENGAGED)**

OPTIONS:

- 0 = NO LIMIT SWITCH
- 1 = 2 x i/S PROX. SENSORS
- 2 = 2 x PNEUMATIC LS
- 4 = 2 x V3 MECH LS
- 5 = 2 x 20260 Vac PROX.\*
- 6 = 2 x 560 Vdc PROX.\*
- 7 = 4 x V3 MECH LS

**WHERE APPLICABLE:**

- S = STANDARD
- Y = NO COST OPTION
- E = EXTRA COST OPTION
- ☐ = NOT AVAILABLE

**INCLUDING D/A ACTUATOR:**

- 144 = ISO BASIC D/A ACT
- 147 = ANSI BASIC D/A ACT
- 164 } ISO D/A ACT (FOR USE WITH OR WITHOUT POSITIONER)
- 184 }
- 204 }
- 167 } ANSI D/A ACT (FOR USE WITH OR WITHOUT POSITIONER)
- 187 }
- 207 }

**HOLE DIAMETER (d)**

2=12.7mm 1/2"
3=15.9mm 5/8"
A=11/16"
4=19.1mm 3/4"
5=22.2mm 7/8"
6=25.4mm 1"
7=28.6mm 1 1/8"
8=31.8mm 1 1/4"
9=38.1mm 1 1/2"

**LEVER HOLE PATTERN**

No.	DISTANCE FROM CENTRE			AVAILABLE ON MODELS			
	C1	C2	C3	14	16	18	20
01	101.6mm 4"	152.4mm 6"	203.2mm 8"	Y			
02	127mm 5"	152.4mm 6"	177.8mm 7"	Y	Y		
03	127mm 5"	198.1mm 7.8"	254mm 10"	Y	Y		
04	152.4mm 6"	254mm 10"	304.8mm 12"	Y	Y	Y	
05	165.1mm 6.5"	190.5mm 7.5"	215.9mm 8.5"	Y	Y	Y	
06	190.5mm 7.5"	215.9mm 8.5"	241.3mm 9.5"	Y	Y	Y	
07	266.7mm 10.5"	292.1mm 11.5"	317.5mm 12.5"	Y	Y	Y	Y
08	228.6mm 9"	342.9mm 13.5"	457.2mm 18"	Y	Y	Y	
09	254mm 10"	304.8mm 12"	381mm 15"	Y	Y	Y	Y
10	254mm 10"	381mm 15"	508mm 20"	Y	Y	Y	Y
11	254mm 10"	317.5mm 12.5"	406.4mm 16"	Y	Y	Y	Y
12	254mm 10"	330.2mm 13"	406.4mm 16"	Y	Y	Y	Y
13	304.8mm 12"	406.4mm 16"	444.5mm 17.5"	Y	Y	Y	Y
14	317.5mm 12.5"	363.2mm 14.3"	406.4mm 16"	Y	Y	Y	Y
15	147.3mm 5.8"	279.4mm 11"	304.8mm 12"	Y	Y	Y	
16	152.4mm 6"	190.5mm 7.5"	228.6mm 9"	Y	Y		
17	101.6mm 4"		304.8mm 12"	Y			
18			127mm 5"	Y	Y		
19			203.2mm 8"	Y	Y	Y	

**POSITION MONITOR ON LS BOX:**

- C=YES
- 0=NO

**IF NECESSARY, FIT OPTIONAL EXTENSION TO ENSURE THAT HANDWHEEL IS AT A SAFE DISTANCE FROM MOVING OUTPUT LEVER.**

For more information see KF-535



\* Not available with ATEX approval