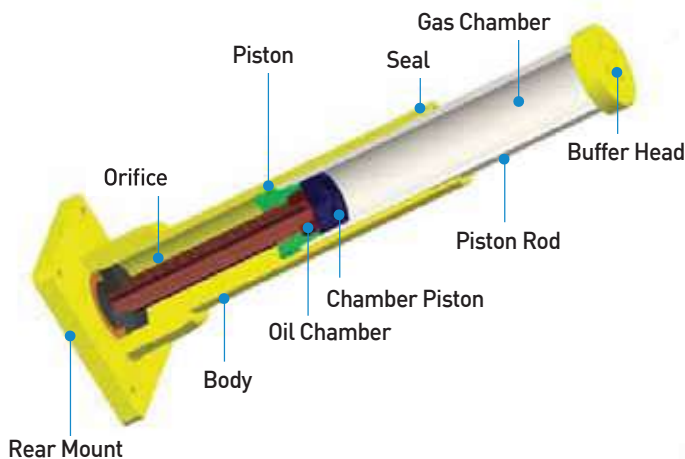


# IHG Series

## IZMAC Hydraulic Gas & Oil type Buffer

### DESCRIPTION

IHG is a heavy-duty application product that has a high impact energy absorption capacity compared to its size. Operation : When an object collides, the piston enters the oil chamber by the tube shape piston rod, and the oil flows through the orifice of the throttle port and finally oil is pushing floating piston up to compress gas. In this process, flow resistance power arouse and gas pressure takes a role of accumulator which compensating piston rod space and compressed gas has the role of returning piston rod to its original position when the load is released.



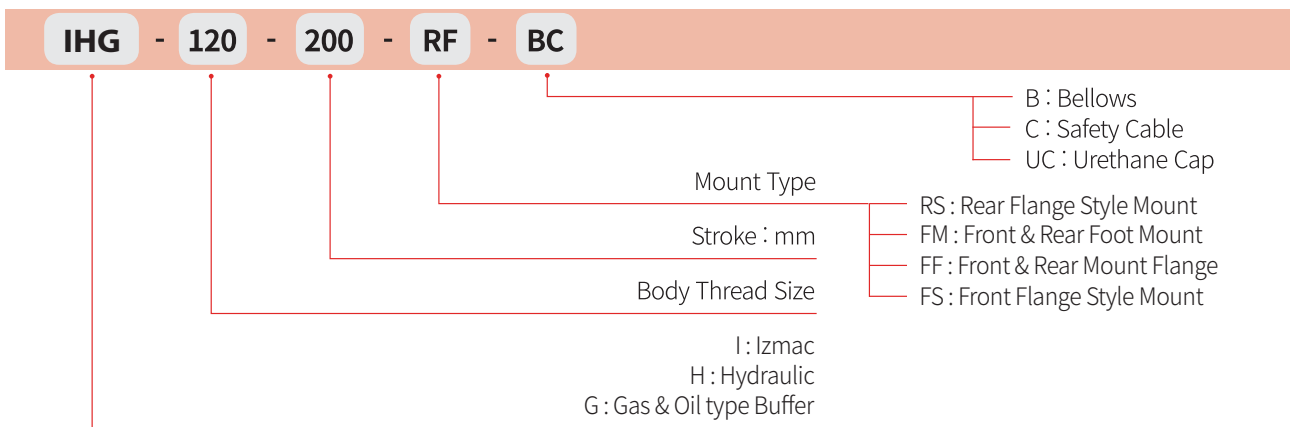
### FEATURES

- 1 IHG is high capable efficient energy hydraulic buffer.
- 2 Customizing orifice
- 3 Fulfilled international standards : OSHA, AIST, CMMA, DIN, FEM etc.
- 4 Operation temperature : -10 ~ 80°C • Special : -40 ~ 120°C
- 5 Piton rod surface treatment : Hard Chrome Plated
- 6 Body surface treatment : Epoxy Painting

### APPLICATION

Container crane, overhead crane, stacker crane, transfer car, rail end stop, heavy industry, steel mill

### IHG SERIES ORDERING INFORMATION

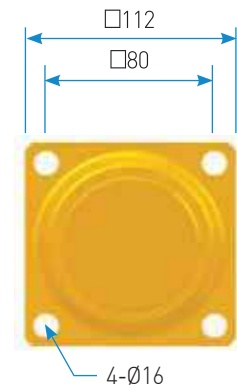
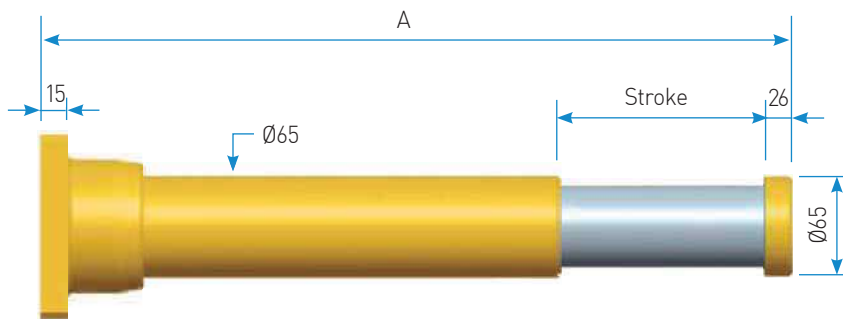




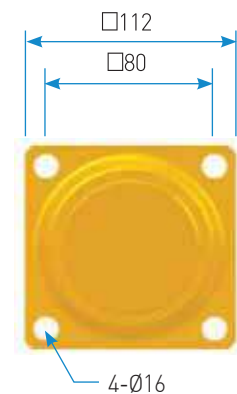
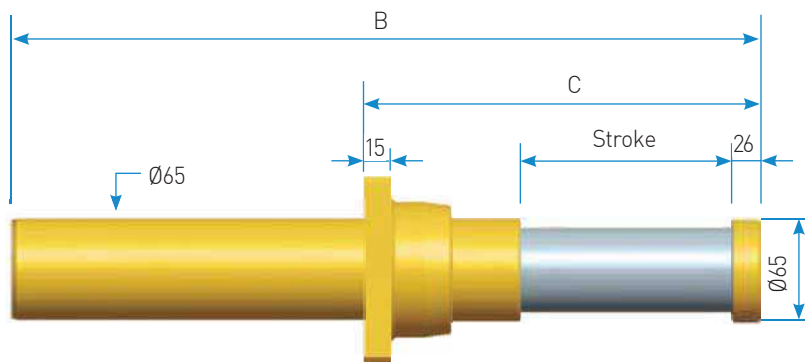
## Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(kJ) $E_T$	Max.Buffer Force (kN) $F_S$	Recoil Force (kN)		Weight(kg)
				Ext.	Comp.	
IHG65 - 50	50	3.8	95	1.0	3.5	6
- 75	75	5.7	95	1.0	3.5	8
- 100	100	7.5	95	1.0	3.5	9
- 150	150	11	95	1.0	3.5	11
- 200	200	14.7	95	1.0	3.5	12

### Rear Mount



### Front Mount



## Dimensions

(unit : mm)

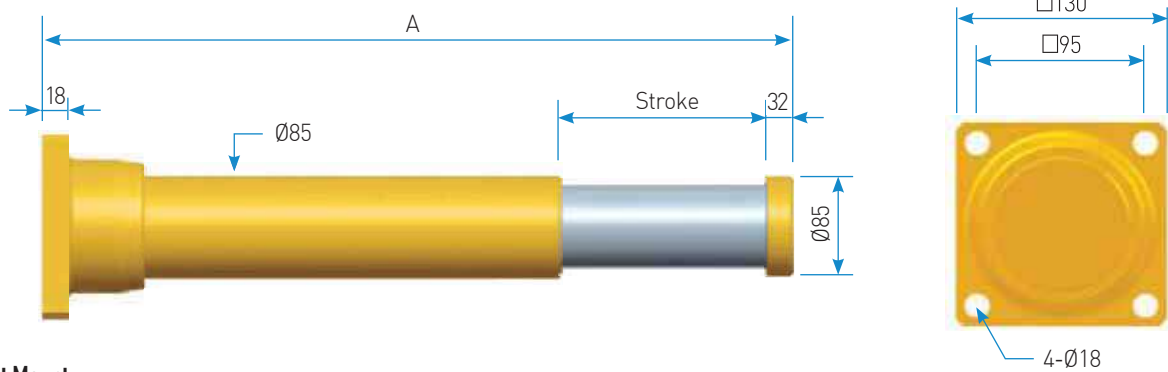
Model	Stroke (mm)	Rear Type (mm)		Front Type (mm)		Mounting Bolt Size
		A	B	C		
IHG65 - 50	50	312	300	151	14	
- 75	75	372	360	176		
- 100	100	432	420	231		
- 150	150	552	540	281		
- 200	200	682	670	371		

# IHG85 Series

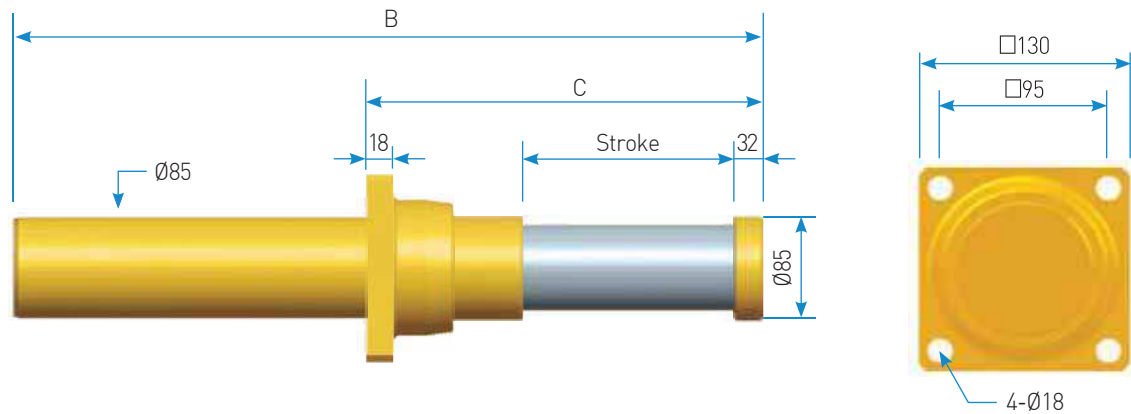
## Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(kJ) $E_T$	Max.Buffer Force (kN) $F_S$	Recoil Force (kN)		Weight(kg)
				Ext.	Comp.	
IHG85 - 50	50	7.5	188	1.5	13	12
- 100	100	15	188	1.5	13	14
- 150	150	22.5	188	1.5	20	17
- 200	200	30	188	1.5	20	20
- 250	250	37.5	188	1.5	20	22

### Rear Mount



### Front Mount



## Dimensions

(unit : mm)

Model	Stroke (mm)	Rear Type (mm)			Front Type (mm)			Mounting Bolt Size
		A	B	C	A	B	C	
IHG85 - 50	50	323	310	183				
- 100	100	463	450	242				
- 150	150	603	590	305				
- 200	200	743	730	367				
- 250	250	883	870	430				

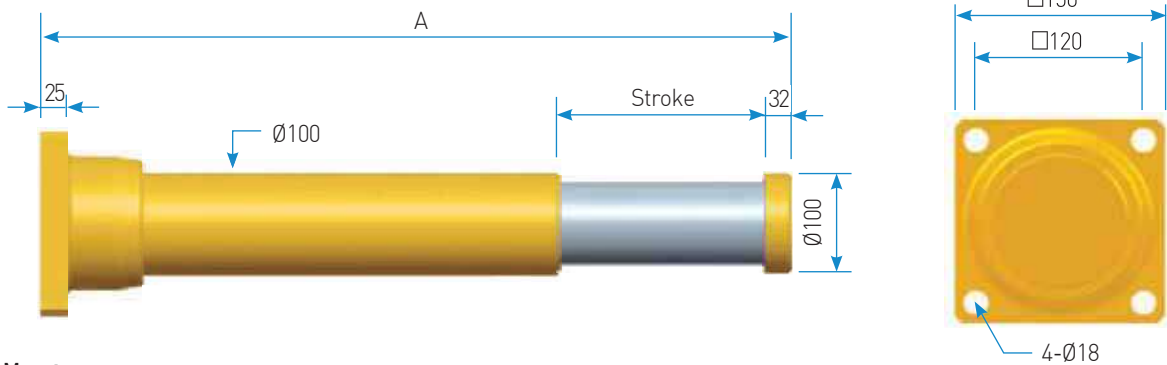
16



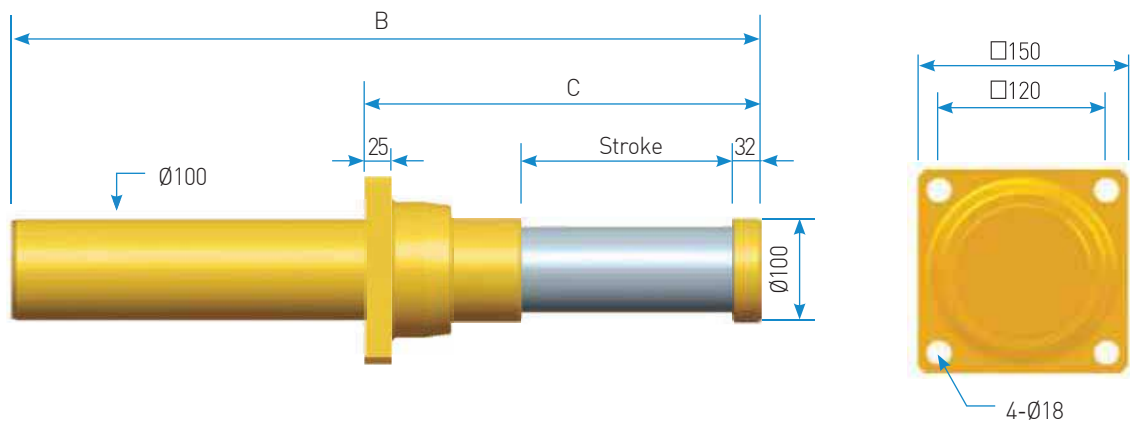
## Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle (kJ) $E_T$	Max. Buffer Force (kN) $F_S$	Recoil Force (kN)		Weight (kg)
				Ext.	Comp.	
IHG100 - 80	80	16	250	2.4	16	20
- 100	100	20	250	2.4	16	25
- 150	150	30	250	2.4	20	28
- 200	200	40	250	2.4	20	34
- 250	250	50	250	2.4	25	39
- 300	300	60	250	2.4	25	43

### Rear Mount



### Front Mount



## Dimensions

(unit : mm)

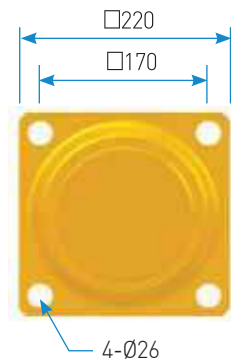
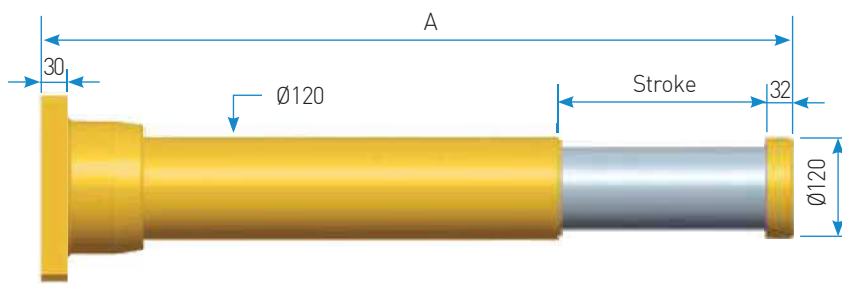
Model	Stroke (mm)	Rear Type (mm)			Front Type (mm)			Mounting Bolt Size
		A	B	C	B	C		
IHG100 - 80	80	423	403	215			16	
- 100	100	450	430	252				
- 150	150	580	560	315				
- 200	200	720	700	377				
- 250	250	865	845	440				
- 300	300	1010	990	502				

# IHG120 Series

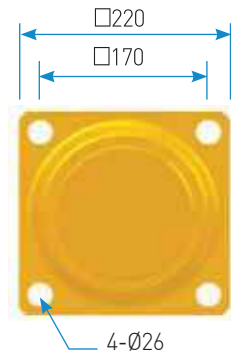
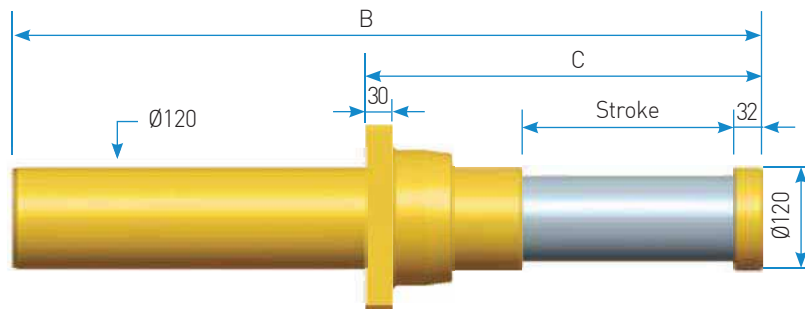
## Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(kJ) $E_T$	Max.Buffer Force (kN) $F_S$	Recoil Force (kN)		Weight(kg)
				Ext.	Comp.	
IHG120 - 100	100	40	500	3.5	40	41
- 150	150	60	500	3.5	40	48
- 200	200	80	500	3.5	40	58
- 250	250	100	500	3.5	40	65
- 300	300	120	400	3.5	40	72
- 400	400	160	400	3.5	40	78
- 500	500	180	400	3.5	40	86
- 600	600	200	400	3.5	40	95
- 800	800	240	375	3.5	40	112
- 1000	1000	280	350	3.5	40	118

### Rear Mount



### Front Mount



## Dimensions

(unit : mm)

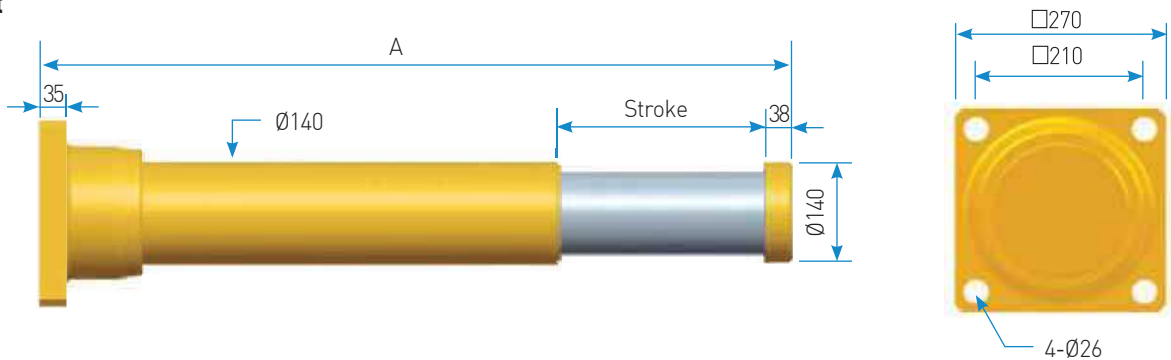
Model	Stroke (mm)	Rear Type (mm)		Front Type (mm)		Mounting Bolt Size
		A	B	C		
IHG120 - 100	100	470	450	277	24	
- 150	150	610	590	340		
- 200	200	760	740	402		
- 250	250	900	880	465		
- 300	300	1050	1030	527		
- 400	400	1340	1320	680		
- 500	500	1620	1600	815		
- 600	600	1920	1900	950		
- 800	800	-	2400	1290		
- 1000	1000	-	2960	1360		



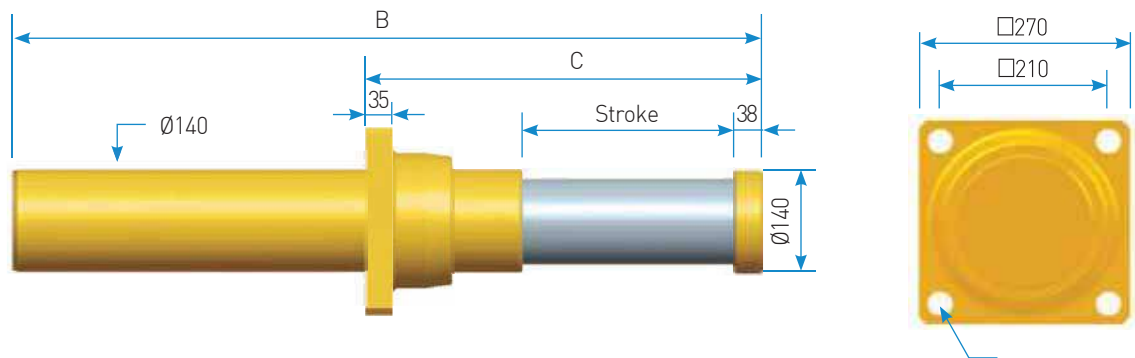
## Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(kJ) $E_T$	Max.Buffer Force (kN) $F_S$	Recoil Force (kN)		Weight(kg)
				Ext.	Comp.	
IHG140 - 100	100	55	688	6	70	60
- 200	200	110	688	6	70	85
- 300	300	165	688	6	70	110
- 400	400	220	688	6	78	135
- 500	500	270	680	6	78	150
- 600	600	300	630	6	78	160
- 800	800	325	510	6	78	185
- 1000	1000	360	450	6	78	200

### Rear Mount



### Front Mount



## Dimensions

(unit : mm)

Model	Stroke (mm)	Rear Type (mm)		Front Type (mm)		Mounting Bolt Size
		A	B	C	C	
IHG140 - 100	100	480	460	297		24
- 200	200	770	750	422		
- 300	300	1060	1040	547		
- 400	400	1350	1330	712		
- 500	500	1630	1610	847		
- 600	600	1930	1910	982		
- 800	800	2350	2330	1252		
- 1000	1000	-	2880	1595		