

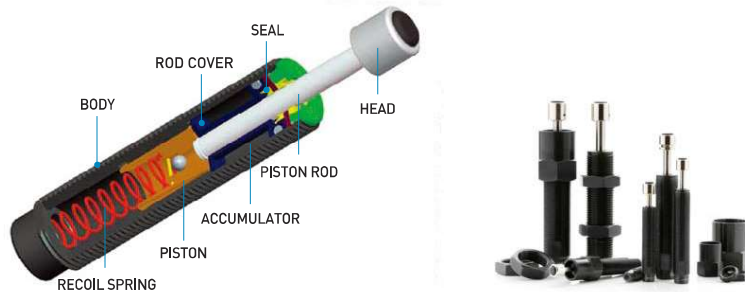
IASS Series Self Compensating type

Izmac Absorber Self compensating Straight type

DESCRIPTION

IASS is self compensating type and it control the damping power itself against damping speed. Improved energy capacity over 200% and effective weight ranges become wider than before.

IASS series



FEATURES

- 1 All threaded body outside helps to install shock absorber and it can be fixed exact position. And it helps also to dissipate more shock energy by increased surface dimension.
- 2 Body surface treated as alloyed black colored steel or Zn-Ni and it develop anti corrosion features highly.
- 3 Stop collar is not necessary when shock absorber has steel head, and poly pad & urethane cap will helps to decrease collision noises efficiently.
- 4 Rod cover is made of long lasting materials with function of seal protection and that enable to guarantee long life.
- 5 Speed ranges standard : 0.1 ~ 5m/s • Low Velocity (LV) : Option
- 6 Temperature ranges standard : -10 ~ 80°C • Special : -40 ~ 120°C

APPLICATIONS

Pick N place robotic line, machining tools, automobile assembly line, tire assembly line, crane, safety devices and all other industrial ranges of multi purposes.

IASS SERIES ORDERING INFORMATION

IASS - 25 - 25 - SC

Stroke
Body Thread Size
IA : Izmac Absorber
S : Self compensating
S : Straight type
SC : Stop Collar
RF : Rectangular Flange
SLA : Side Load Adaptor
CM : Clamp Mount

IASS04 - 04(B) / 05 - 05(B) / 06 - 05(B)

Best Engineered
For Energy Absorption
Technology

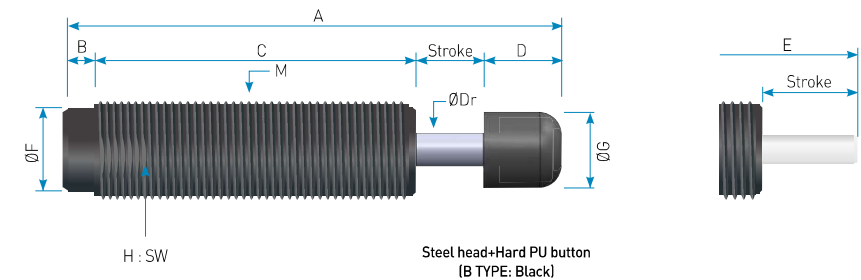
Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle(Nm)	Max. Energy / Hour (Nm / h)	Effective Weight(Kg)			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IASS04 - 04(B)	4	0.4	1,500	0.1 - 1.0	0.9 - 3.2		2	7	2.5
IASS05 - 05(B)	5	0.6	1,800	0.1 - 1.2	1.0 - 5.0		2	7	2.5
IASS06 - 05(B)	5	1	2,500	0.05 - 1	0.8 - 2.8	1.5 - 4	2	5	4.0

Dimensions

(unit : mm)

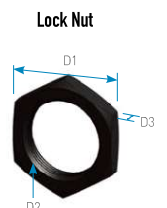
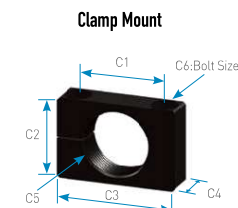
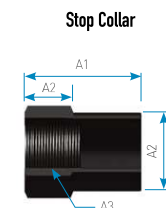
Model	Stroke	A	B	C	D	E	F	G	H	M	Dr
IASS04 - 04(B)	4	34.5	2.4	24	4	30.5	3.4	3	30.5	M4 X 0.5	Ø1.2
IASS05 - 05(B)	5	35	3.5	22.5	4	31	4.4	3	31	M5 X 0.5	Ø1.5
IASS06 - 05(B)	5	38.5	3.5	25	5	33.5	5.3	5	33.5	M6 X 0.5	Ø1.5



Accessories

(unit : mm)

Model	Stop Collar			Clamp Mount						Lock Nut		
	A1	A2	A3	C1	C2	C3	C4	C5	C6	D1	D2	D3
IASS04 - 04(B)			M4 X 0.5							8	5	M4 X 0.5
IASS05 - 05(B)	10	7	M5 X 0.5	12	10	20	8	M5 X 0.5	M3	8	5	M5 X 0.5
IASS06 - 05(B)	12	8	M6 X 0.5	12	10	20	8	M6 X 0.5	M3	8	5	M6 X 0.5



IASS08 - 06(B) / 10 - 08(B)

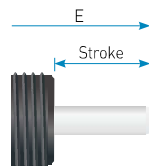
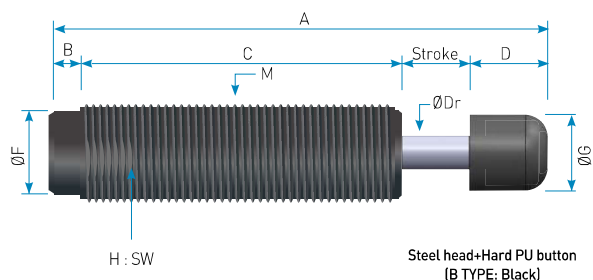
■ Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(Nm)	Max.Energy / Hour (Nm / h)	Effective Weight(Kg)			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IASS08 - 06(B)	6	5	8,000	0.8~2.8	2.5~12.6	10~111	2.2	5.8	10
IASS10 - 08(B)	8	11	14,500	1.8~6.1	5.5~27	22~244	2.5	6.9	15.5

■ Dimensions

(unit : mm)

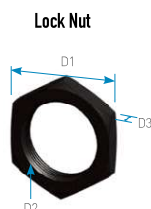
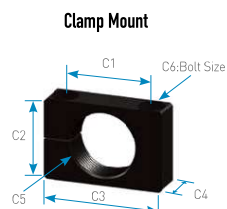
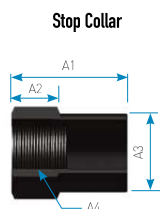
Model	Stroke	A	B	C	D	E	F	G	H	M	Dr
IASS08 - 06(B)	6	54	7.5	35	7	47	Ø6.8	Ø6.8		M8 X 1.0	Ø2
IASS10 - 08(B)	8	64.5	7.5	42	7	57.5	Ø8	Ø8	8	M10 X 1.0	Ø3



■ Accessories

(unit : mm)

Model	Stop Collar				Clamp Mount						Lock Nut		
	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
IASS08 - 06(B)	20	6	Ø11.5	M8 X 1.0	16	14	25	10	M8 X 1.0	M4 X 16L	12	M8 X 1.0	3
IASS10 - 08(B)	20	8	Ø12.8	M10 X 1.0	16	14	25	10	M10 X 1.0	M4 X 16L	13	M10 X 1.0	4



IASS12 - 10(B) / 14 - 15(B) / 14 - 15F(B)

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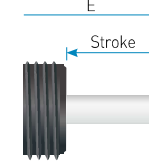
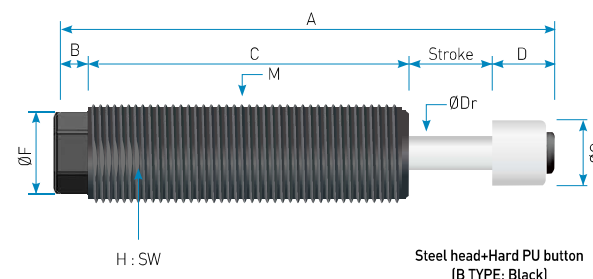
■ Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(Nm)	Max.Energy / Hour (Nm / h)	Effective Weight(Kg)			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IASS12 - 10(B)	10	16	30,000	13~8	6.6~22	16~200	3.8	9.8	39
IASS14 - 15(B)	15	30	51,000	3.8~15	12~42	31~1500	3.8	13	61
~15F(B)	15	30	51,000	3.8~15	12~42	31~1500	3.8	13	64

■ Dimensions

(unit : mm)

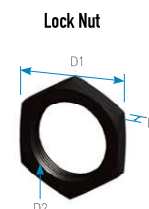
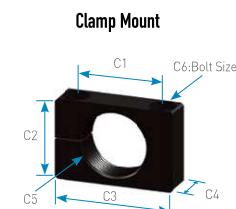
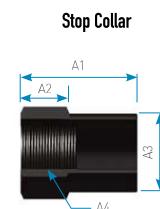
Model	Stroke	A	B	C	D	E	F	G	H	M	Dr
IASS12 - 10(B)	10	80.5	6.5	54	10	70.5	Ø10.8	Ø10.5	Ø10	M12 X 1.0	Ø4
IASS14 - 15(B)	15	100.5	6.5	69	10	90.5	Ø11.8	Ø10.5	Ø12	M14 X 1.5	Ø4
~15F(B)	15	100.5	6.5	69	10	90.5	Ø11.8	Ø10.5	Ø12	M14 X 1.0	Ø4



■ Accessories

(unit : mm)

Model	Stop Collar				Clamp Mount						Lock Nut		
	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
IASS12 - 10(B)	20	8	Ø13.8	M12 X 1.0	20	16	32	12	M12 X 1.0	M5 X 18L	14	M12 X 1.0	4
IASS14 - 15(B)	27	12	Ø18	M14 X 1.5	20	20	32	12	M14 X 1.5	M5 X 25L	19	M14 X 1.5	5
~15F(B)	27	12	Ø18	M14 X 1.0	20	20	32	12	M14 X 1.0	M5 X 25L	19	M14 X 1.0	5



IASS20 - 20(B) / 25 - 25(B) / 25 - 25F(B)

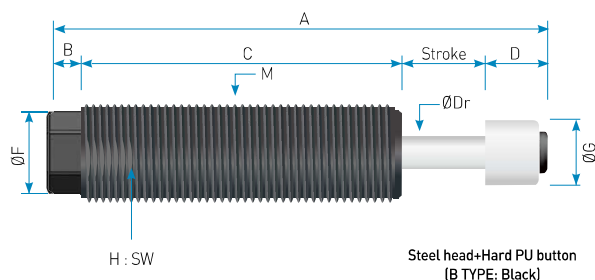
Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(Nm)	Max.Energy / Hour (Nm / h)	Effective Weight(Kg)			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IASS20 - 20(B)	20	96	55,000	9~59	48~192	133~4,800	8.1	23	138
IASS25 - 25(B)	25	205	69,000	33~209	103~1,139	641~10,250	11	29	262
- 25F(B)	25	205	69,000	33~209	103~1,139	641~10,250	11	29	271

Dimensions

(unit : mm)

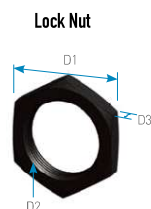
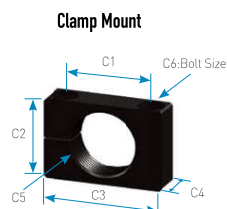
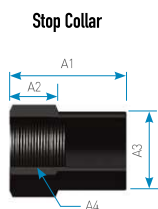
Model	Stroke	A	B	C	D	E	F	G	H	M	Dr
IASS20 - 20(B)	20	118.5	8	77	13.5	105	Ø17	Ø13.5	17	M20 X 1.5	Ø6
IASS25 - 25(B)	25	141.5	9	91	16.5	125	Ø22	Ø16	22	M25 X 2.0	Ø8
- 25F(B)	25	141.5	9	91	16.5	125	Ø22	Ø16	22	M25 X 1.5	Ø8



Accessories

(unit : mm)

Model	Stop Collar				Clamp Mount						Lock Nut		
	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
IASS20 - 20(B)	36	15	Ø24	M20 X 1.5	28	25	40	20	M20 X 1.5	M6 X 30L	24	M20 X 1.5	6
IASS25 - 25(B)	42	18	Ø31.5	M25 X 2.0	32	32	46	25	M25 X 2.0	M6 X 35L	32	M25 X 2.0	8
- 25F(B)	42	18	Ø31.5	M25 X 1.5	32	32	46	25	M25 X 1.5	M6 X 35L	32	M25 X 1.5	8



IASS36 - 25(B) / 36 - 50(B)

Best Engineered
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Technology

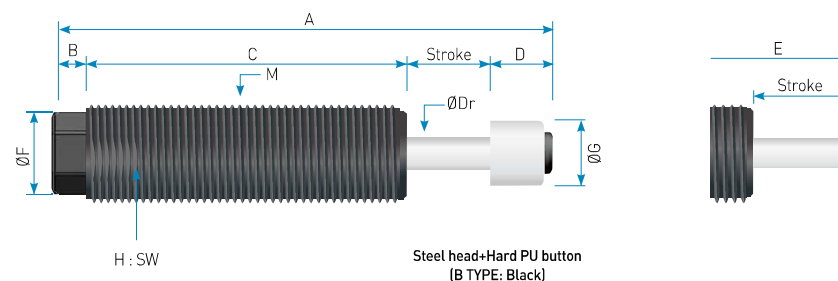
Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(Nm)	Max.Energy / Hour (Nm / h)	Effective Weight(Kg)			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IASS36 - 25(B)	25	490	115,000	61~185	170~500	435~10,888	25	64.3	758
- 50(B)	50	220	162,000	35~121	110~543	440~4,888	24.4	44.6	994

Dimensions

(unit : mm)

Model	Stroke	A	B	C	D	E	F	G	H	M	Dr
IASS36 - 25(B)	25	164	14	101	24	148	SW:30	Ø28	SW:34	M36 X 1.5	Ø10
- 50(B)	50	352	11	136	24	197	Ø34	Ø28	SW:34	M36 X 1.5	Ø10



Accessories

(unit : mm)

Model	Stop Collar				Clamp Mount						Lock Nut		
	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
IASS 36 - 25(B)	62	26	Ø45	M36X1.5	45	42	61	25	M36X1.5	M6	46	M36X1.5	10
- 50(B)													

