

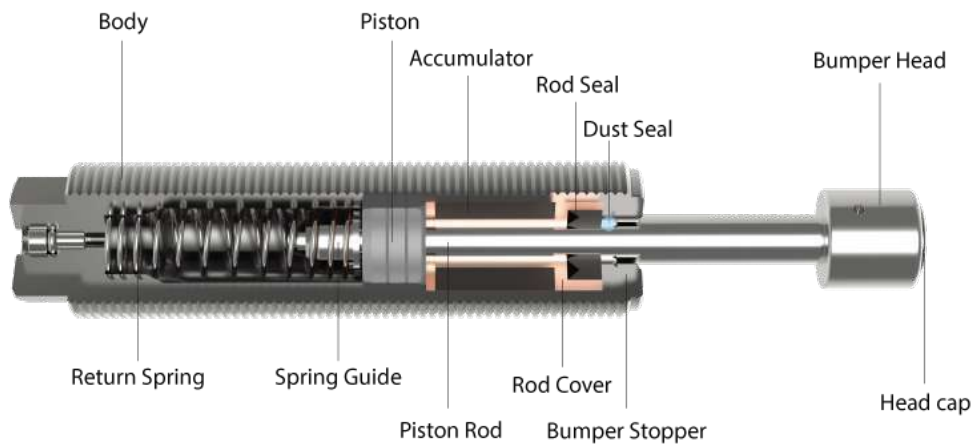
IMS Series Self Compensating type

IZMAC Mini absorber Self-compensating type

DESCRIPTION

IMS is self compensating type and it controls the damping power itself against damping speed. Energy capacity was Improved over 200% and effective weight ranges become wider than before.

IMS series



FEATURES

- 1 All threaded body outside helps to install shock absorber and it can be fixed at the 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 develops anti corrosion features highly.
- 3 Stop collar is not necessary when shock absorber has steel head, and poly pad & urethane cap will help 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 : 0.3 ~ 5m/s
- 6 Temperature ranges : -10 ~ 80°C • Special : -40 ~ 120°C(Oil and Seal)

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.

IMS SERIES ORDERING INFORMATION

IMS - 25 - 25 - SC

Stroke
Body Thread Size
I : Izmec
M : Mini & Middle absorber
S : Self-compensating type
SC : Stop Collar
LN : Lock Nut
CM : Clamp Mount

IMS04 - 04(B) / 05 - 05(B) / 06 - 05(B)

Best engineered
for energy absorption
technology

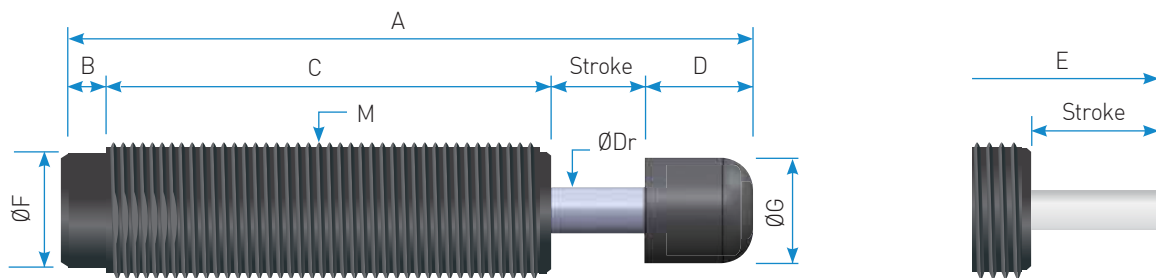
Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(Nm) E_T	Max.Energy / Hour(Nm/h) $E_T \cdot C$	Effective Weight(kg) m_e			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IMS04 - 04(B)	4	0.4	1,500	0.1 - 1.0	0.9 - 3.2		2	7	2.5
IMS05 - 05(B)	5	0.6	1,800	0.1 - 1.2	1.0 - 5.0		2	7	2.5
IMS06 - 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	M	Dr
IMS04 - 04(B)	4	34.5	2.4	24	4	30.5	3.4	Ø3	M4 X 0.5	Ø1.2
IMS05 - 05(B)	5	35	3.5	22.5	4	31	4.4	Ø3	M5 X 0.5	Ø1.5
IMS06 - 05(B)	5	38.5	3.5	25	5	33.5	5.3	Ø5	M6 X 0.5	Ø1.5



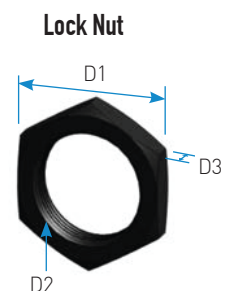
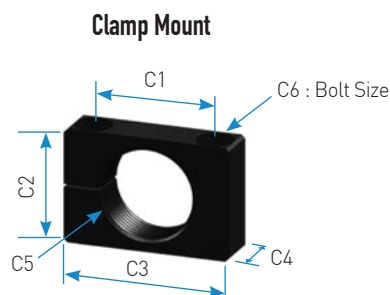
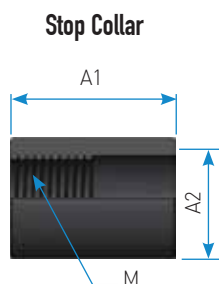
MC Nylon head

Accessories

- Two Lock Nuts included for each absorber
- Other accessories to be ordered separately

(unit : mm)

Stop Collar	Clamp Mount	Lock Nut	A1	A2	A3	C1	C2	C3	C4	C5	C6	D1	D2	D3
		LN04X0.5			M4X0.5							8	M4X0.5	5
SC05X0.5	CM05X0.5	LN05X0.5	10	7	M5X0.5					M5X0.5			M5X0.5	
						12	10	20	8		M3	8		5
SC06X0.5	CM06X0.5	LN06X0.5	12	8	M6X0.5					M6X0.5			M6X0.5	



IMS08 - 06(B) / 10 - 08(B)

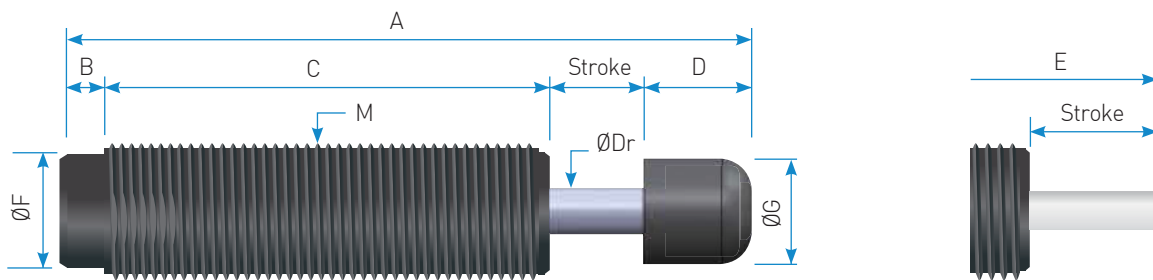
Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/h) $E_T \cdot C$	Effective Weight (Kg) m_e			Recoil Force (N)		Weight (g)
				S	M	H	Ext.	Comp.	
IMS08 - 06(B)	6	5	8,000	0.8 - 2.8	2.5 - 12.6	10 - 111	2.2	5.8	10
IMS10 - 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	M	Dr
IMS08 - 06(B)	6	54	7.5	35	7	47	Ø6.8	Ø6.8	M8 X 1.0	Ø2
IMS10 - 08(B)	8	64.5	7.5	42	7	57.5	Ø7	Ø8	M10 X 1.0	Ø3



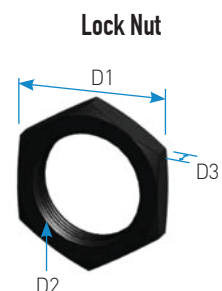
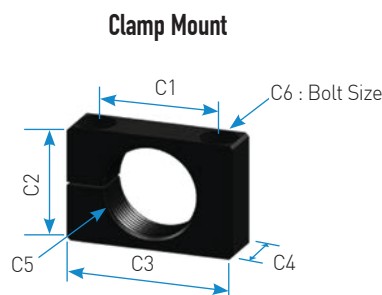
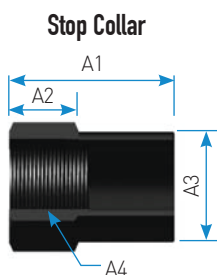
MC Nylon head

Accessories

- Two Lock Nuts included for each absorber
- Other accessories to be ordered separately

(unit : mm)

Stop Collar	Clamp Mount	Lock Nut	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
SC08X1.0	CM08X1.0	LN08X1.0			Ø11.5	M8X1.0					M8X1.0		12	M8X1.0	3
SC10X1.0	CM10X1.0	LN10X1.0	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



IMS12-10(B) / 14-15(B) / 14-15F(B)

Best engineered
for energy absorption
technology

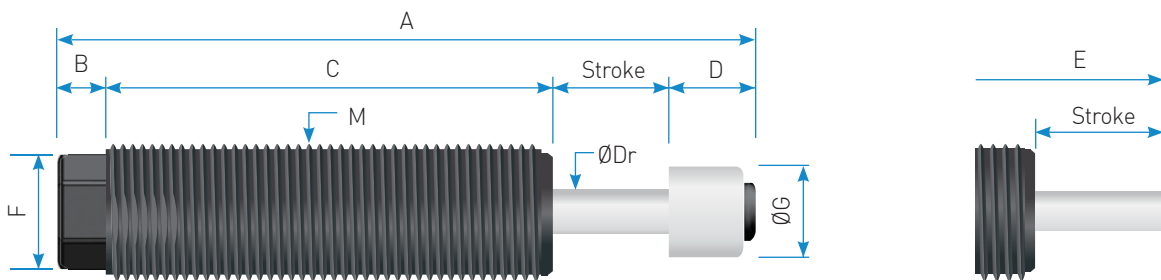
Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/h) $E_T \cdot C$	Effective Weight (Kg) m_e			Recoil Force (N)		Weight (g)
				S	M	H	Ext.	Comp.	
IMS12-10(B)	10	16	30,000	13~8	6.6~22	16~200	3.8	9.8	39
IMS14-15(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	M	Dr
IMS12-10(B)	10	79	6.5	52.5	10	69	SW:10.8	Ø10.5	M12 X 1.0	Ø4
IMS14-15(B)	15	100.5	6.5	69	10	90.5	SW:11.8	Ø10.5	M14 X 1.5	Ø4
-15F(B)	15	100.5	6.5	69	10	90.5	SW:11.8	Ø10.5	M14 X 1.0	Ø4



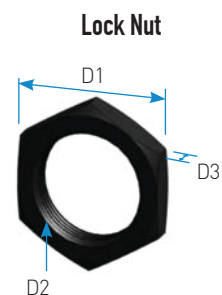
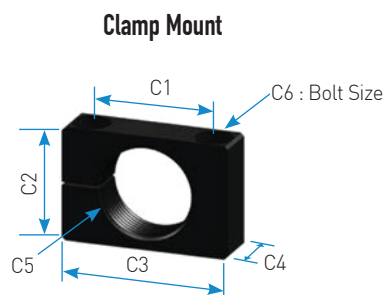
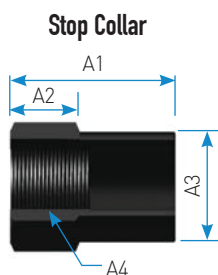
Steel head+Hard PU button
[B TYPE : Black]

Accessories

- Two Lock Nuts included for each absorber
- Other accessories to be ordered separately

(unit : mm)

Stop Collar	Clamp Mount	Lock Nut	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
SC12X1.0	CM12X1.0	LN12X1.0	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
SC14X1.5	CM14X1.5	LN14X1.5	27	12	Ø18	M14 X 1.5	20	20	32	12	M14 X 1.5	M5 X 25L	19	M14 X 1.5	5
SC14X1.0	CM14X1.0	LN14X1.0				M14 X 1.0					M14 X 1.0			M14 X 1.0	



IMS20 - 20(B) / 25 - 25(B) / 25 - 25F(B)

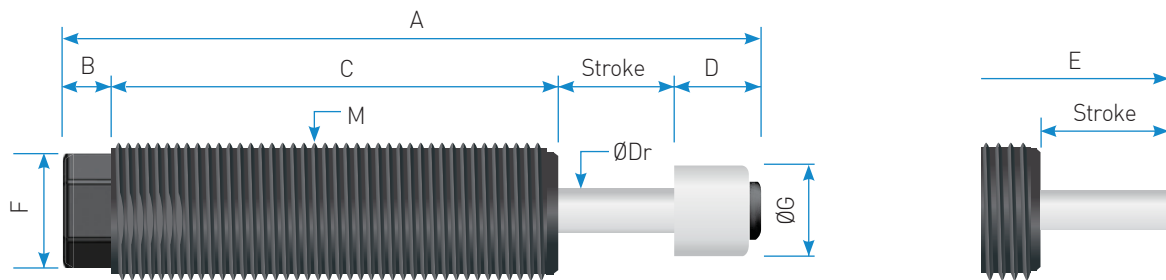
Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle(Nm) E_T	Max. Energy / Hour(Nm/h) $E_T \cdot C$	Effective Weight(Kg) m_e			Recoil Force(N)		Weight(g)
				S	M	H	Ext.	Comp.	
IMS20 - 20(B)	20	96	55,000	9~59	48~192	133~4,800	8.1	23	138
IMS25 - 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	M	Dr
IMS20 - 20(B)	20	118.5	8	77	13.5	105	SW : 15	Ø13.5	M20 X 1.5	Ø6
IMS25 - 25(B)	25	141.5	9	91	16.5	125	SW : 19	Ø16	M25 X 2.0	Ø8
- 25F(B)	25	141.5	9	91	16.5	125	SW : 19	Ø16	M25 X 1.5	Ø8



Steel head+Hard PU button
[B TYPE : Black]

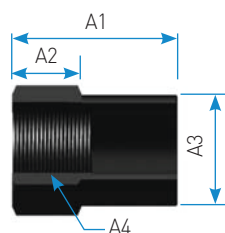
Accessories

- Two Lock Nuts included for each absorber
- Other accessories to be ordered separately

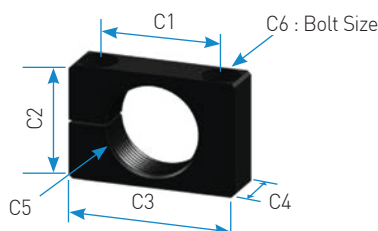
(unit : mm)

Stop Collar	Clamp Mount	Lock Nut	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
SC20X1.5	CM20X1.5	LN20X1.5	36	15	Ø24	M20 X 1.5	28	25	40	20	M20 X 1.5	M6 X 30L	24	M20 X 1.5	6
SC25X2.0	CM25X2.0	LN25X2.0	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
SC25X1.5	CM25X1.5	LN25X1.5				M25 X 1.5					M25 X 1.5				M25 X 1.5

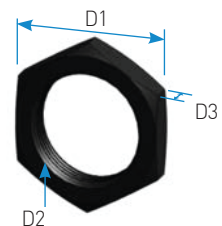
Stop Collar



Clamp Mount



Lock Nut



IMS36 - 25(B) / 36 - 50(B)

Best engineered
for energy absorption
technology

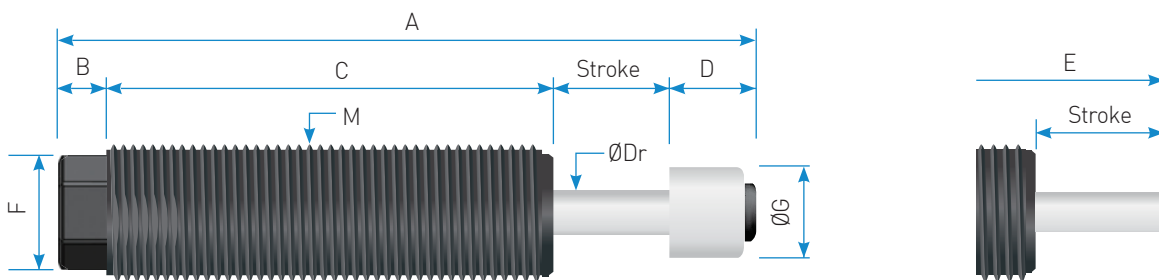
Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/h) $E_T \cdot C$	Effective Weight (Kg) m_e			Recoil Force (N)		Weight (g)
				S	M	H	Ext.	Comp.	
IMS36 - 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	M	Dr
IMS36 - 25(B)	25	164	14	101	24	140	SW : 30	Ø28	M36 X 1.5	Ø10
- 50(B)	50	221	11	136	24	197	SW : 30	Ø28	M36 X 1.5	Ø10



Steel head+Hard PU button
[B TYPE : Black]

Accessories

- Two Lock Nuts included for each absorber
- Other accessories to be ordered separately

(unit : mm)

Stop Collar	Clamp Mount	Lock Nut	A1	A2	A3	A4	C1	C2	C3	C4	C5	C6	D1	D2	D3
SC36X1.5	CM36X1.5	LN36X1.5	62	26	Ø45	M36 X 1.5	45	42	61	25	M36 X 1.5	M6	46	M36 X 1.5	10
SC36X1.5	CM36X1.5	LN36X1.5													

