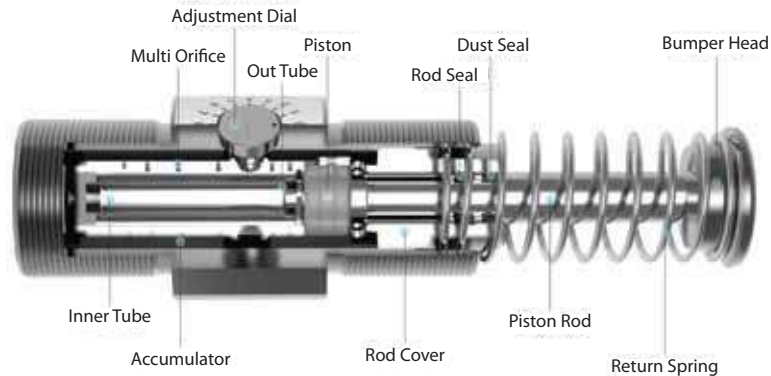


IHA Series Mid dial type

IZMAC Heavy Type Absorber

DESCRIPTION

IHA is mid large bore series heavy type shock absorber. Operation : when the collision comes piston compress oil chamber in inner tube according to the piston rod moving. Oil flows to accumulator through outside grooves in this process, deceleration power comes by flow resistance. And kinetic energy is dissipated in the air by changed as heat energy. Recoil Spring returns piston rod into its original position when the load is disappeared.

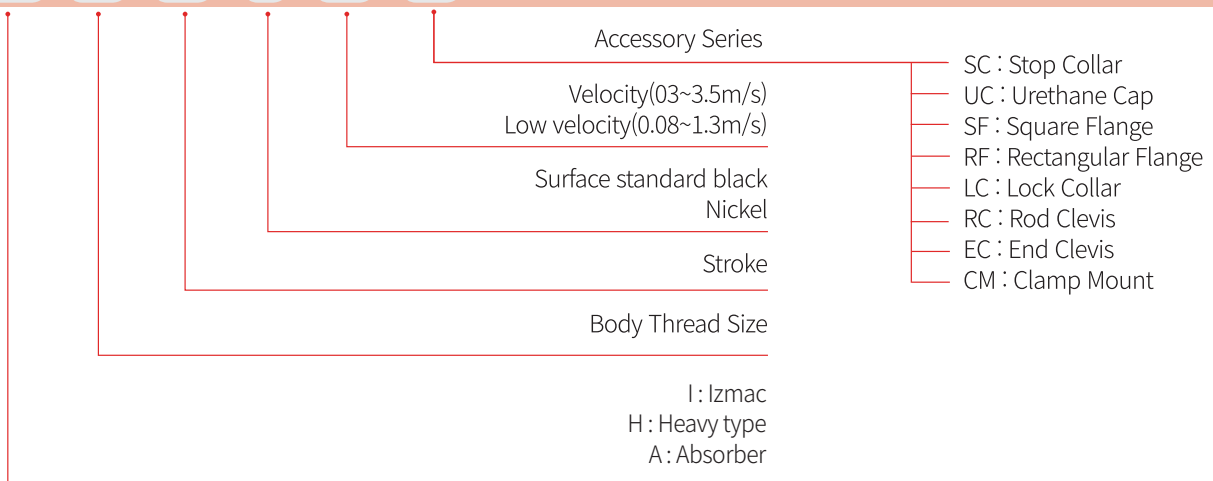


FEATURES

- 1 IHA is dial type and it can set the speed ranges as 8 steps.
- 2 Energy capacity was Improved over 200% and effective weight ranges become wider than before.
- 3 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.
- 4 Body surface treated as alloyed black colored steel or Zn-Ni and it develops anti corrosion features highly.
- 5 Stop collar is not necessary when shock absorber has steel head, and poly pad & urethane cap will help to decrease collision noises efficiently.
- 6 Rod cover is made of long lasting materials with function of seal protection and that enable to guarantee long life.
- 7 Speed ranges : 0.3 ~ 3.5m/s • Low Velocity (LV) : 0.08 ~ 1.3m/s
- 8 Temperature ranges : -10 ~ 80°C • Special : -40 ~ 120°C(Oil and Seal)

IHA SERIES ORDERING INFORMATION

IHA - 42 - 50 - N - LV - SC

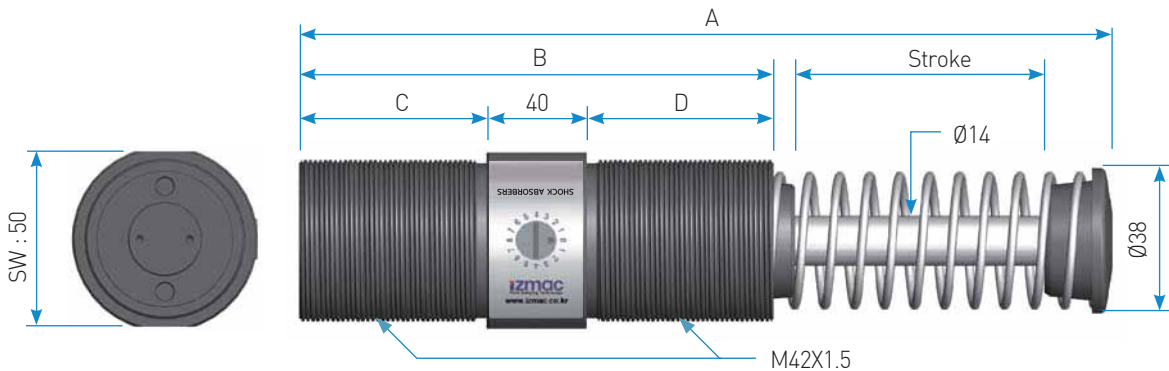


IHA42 Series

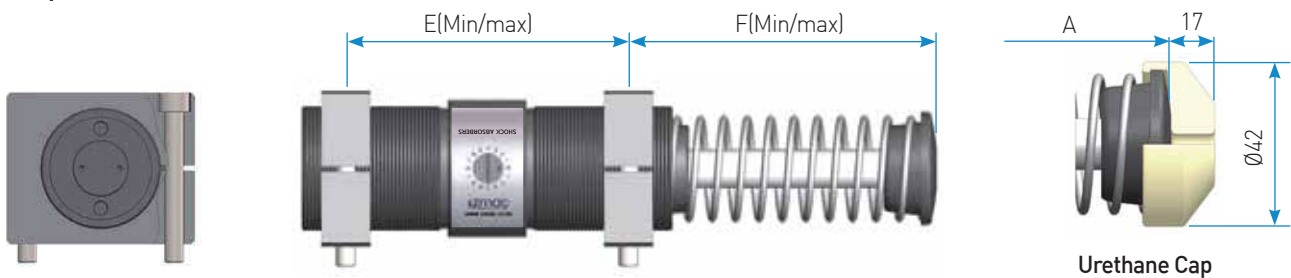
Best engineered
for energy absorption
technology

Engineering Data

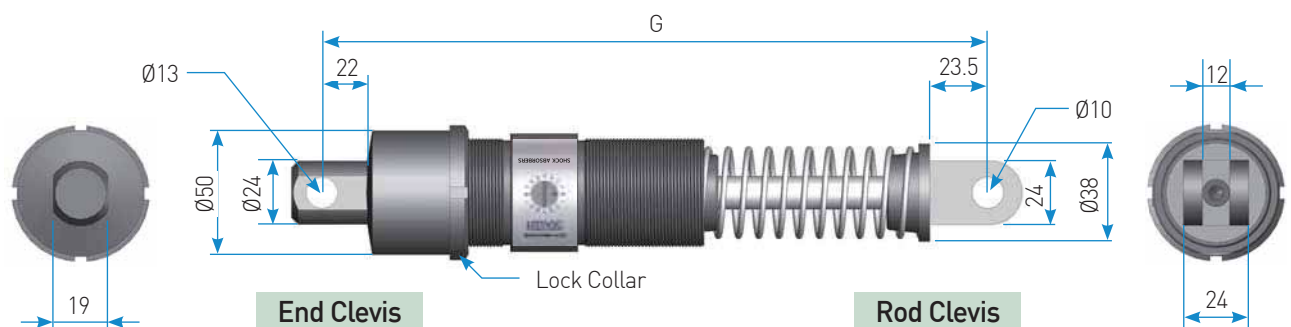
Model	Stroke (mm)	Max. Energy / Cycle(Nm) E_T	Max. Energy / Hour(Nm/h) $E_T C$	Effective Weight(kg) m_e	Recoil Forec(N)		Weight(kg)
					Ext.	Comp.	
IHA42 - 25	25	250	125,000	36 - 3,600	28	56	1.25
- 50	50	500	166,000	45 - 6,150	38	86	1.4
- 75	75	750	200,000	54 - 9,500	32	88	1.6



Clamp Mount



Clevis Mount



Dimensions

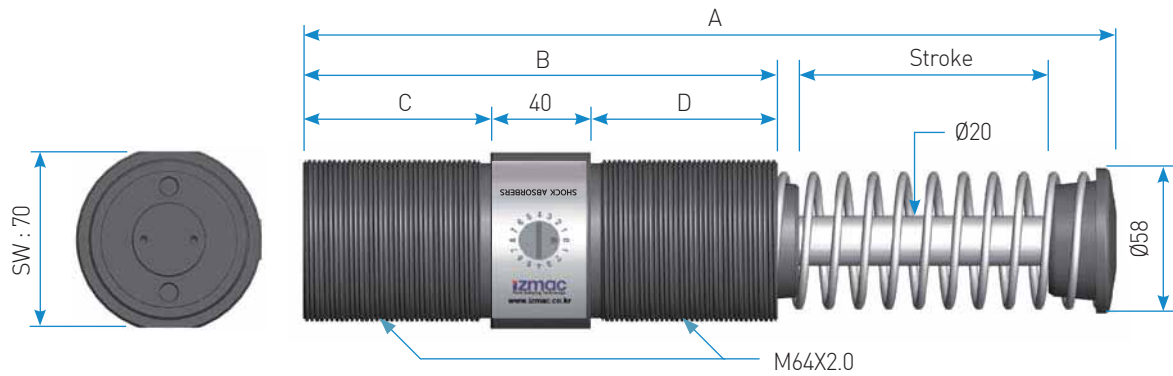
(unit : mm)

Model	Stroke	A	B	C	D	E(Min/Max)	F(Min/Max)	G
IHA42 - 25	25	145	95	28	27	65/70	62.5/64.5	200
- 50	50	195	120	40	40	65/95	87.5/102.5	250
- 75	75	245	145	52	53	65/120	117.6/145.5	300

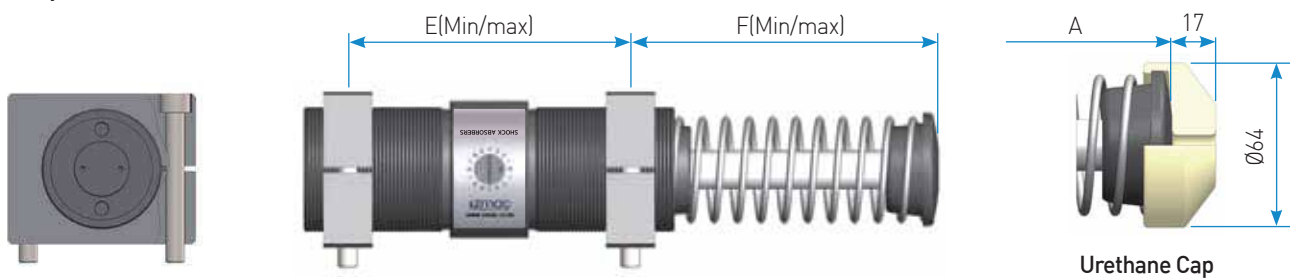
IHA64 Series

Engineering Data

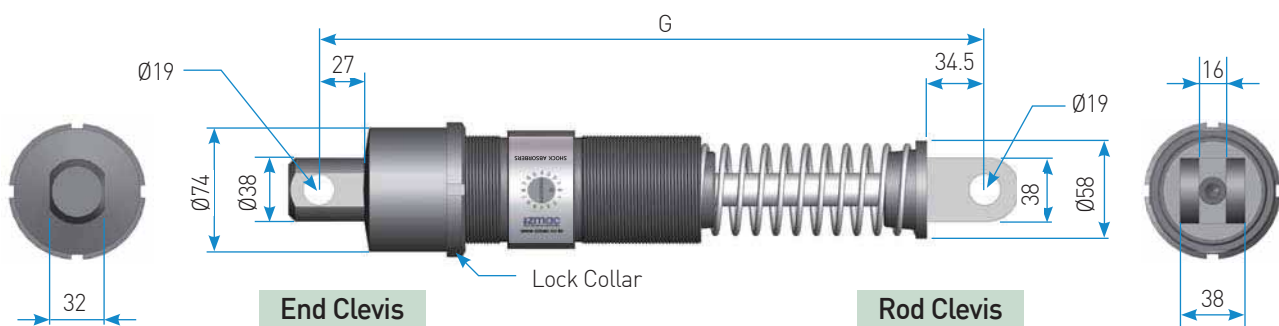
Model	Stroke (mm)	Max. Energy / Cycle(Nm) E_T	Max. Energy / Hour(Nm/h) E_{TC}	Effective Weight(kg) m_e	Recoil Forec(N)		Weight(kg)
					Ext.	Comp.	
IHA64 - 50	50	1,300	270,000	82 - 12,600	65	148	3.7
- 100	100	2,600	360,000	115 - 17,000	45	157	4.5
- 150	150	3,900	420,000	140 - 22,000	47	199	5.3



Clamp Mount



Clevis Mount



Dimensions

(unit : mm)

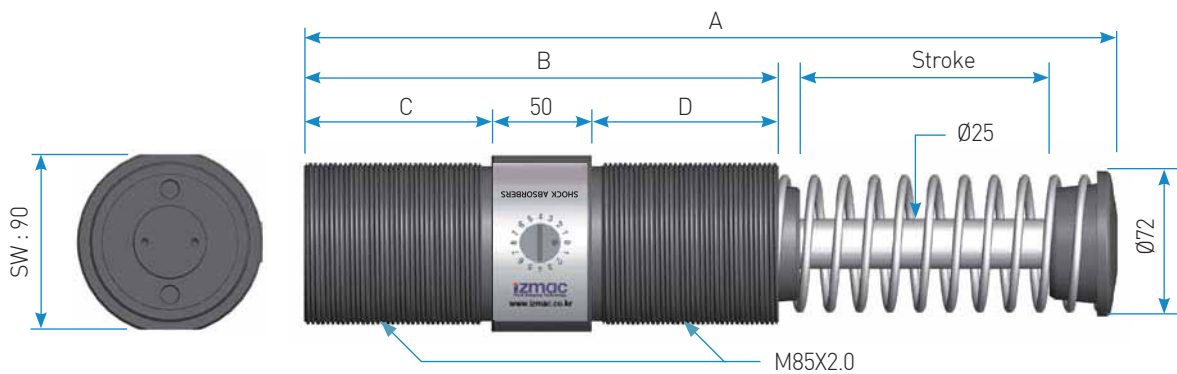
Model	Stroke	A	B	C	D	E(Min/Max)	F(Min/Max)	G
IHA64 - 50	50	225	140	50	50	65/115	97.5/122.5	305
- 100	100	327	190	75	75	65/165	147.5/197.5	409
- 150	150	455	240	100	100	65/215	197.5/272.5	534

IHA85 Series

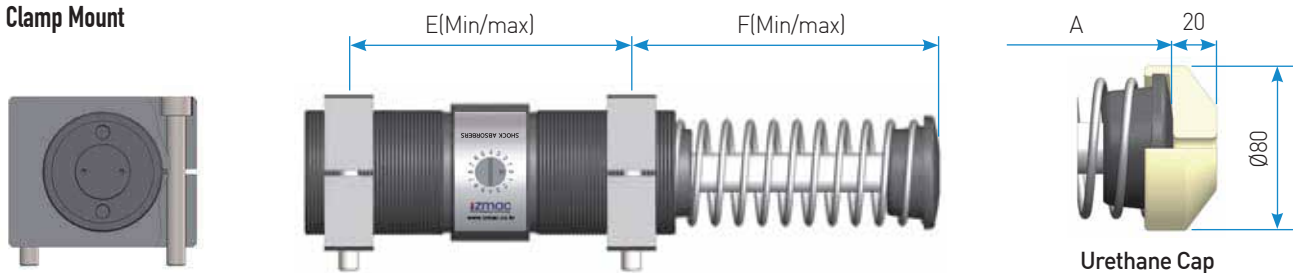
Best engineered
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Engineering Data

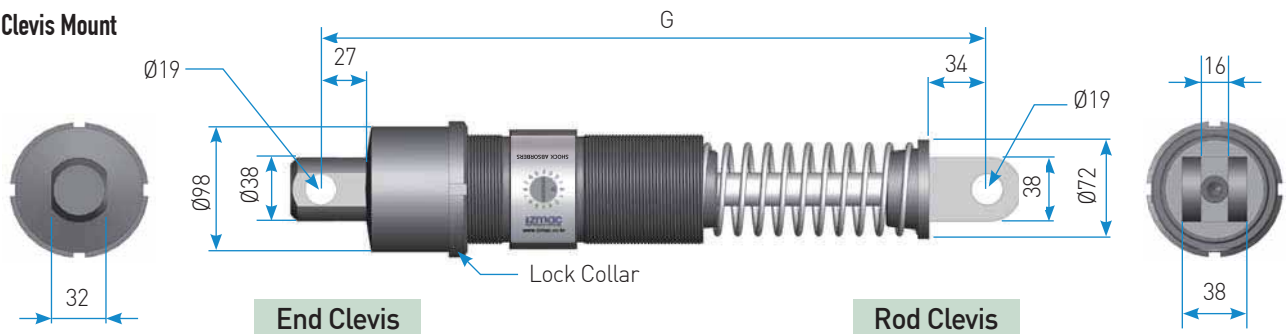
Model	Stroke (mm)	Max. Energy / Cycle(Nm) E_T	Max. Energy / Hour(Nm/h) $E_{T,C}$	Effective Weight(kg) m_e	Recoil Fore(N)		Weight(kg)
					Ext.	Comp.	
IHA64 - 50	50	2,300	370,000	200 - 37,000	148	315	6.4
- 90	90	4,000	650,000	230 - 40,000	121	365	7.6
- 125	125	5,700	930,000	300 - 43,000	114	365	8.6
- 165	165	7,300	1,210,000	360 - 45,000	98	429	9.8



Clamp Mount



Clevis Mount



Dimensions

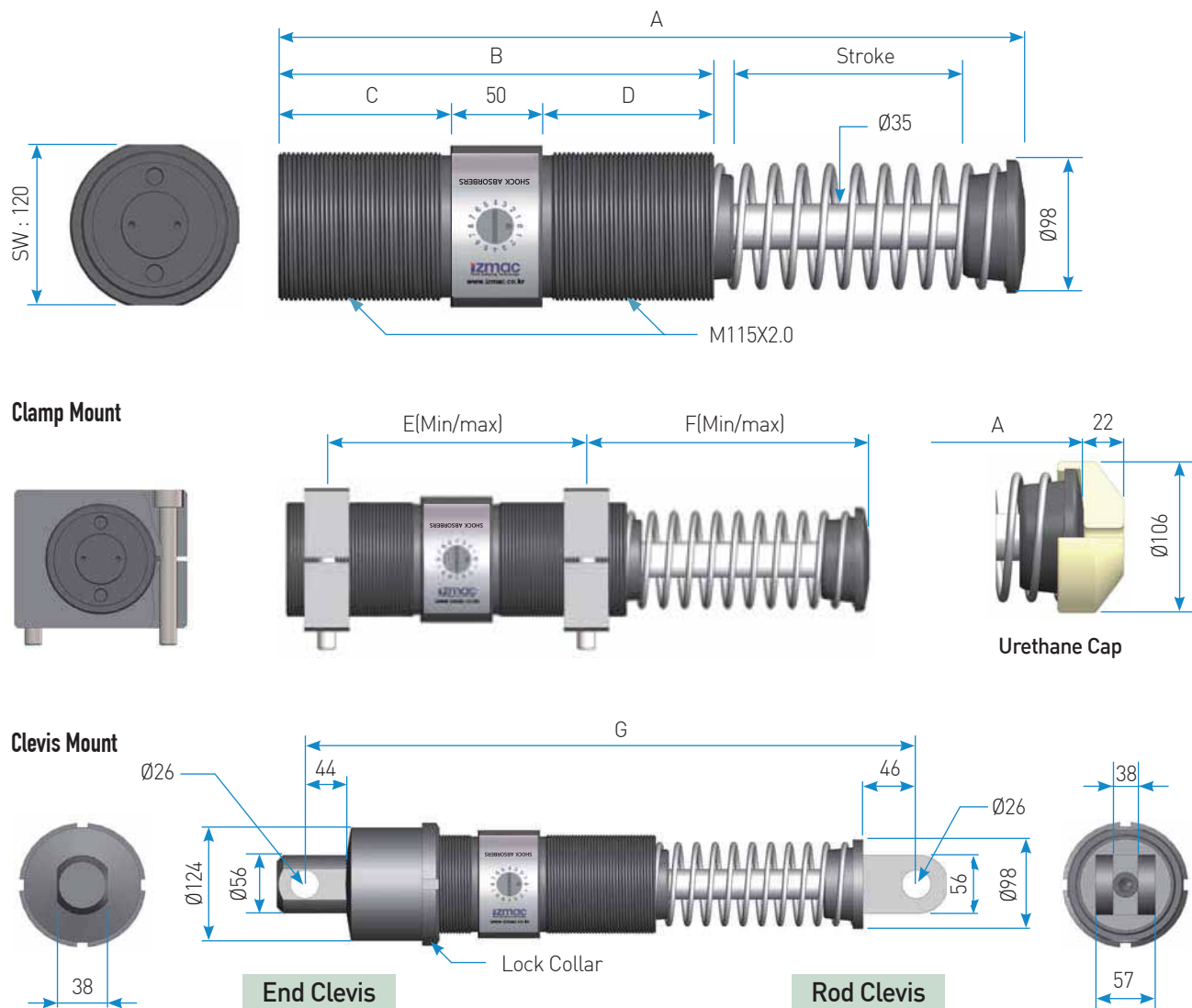
(unit : mm)

Model	Stroke	A	B	C	D	E(Min/Max)	F(Min/Max)	G
IHA64 - 50	50	245	140	42	48	80/110	120/138	325
- 90	90	325	180	60	70	80/150	160/200	405
- 125	125	400	216	82	84	80/186	195/249	480
- 165	165	494	256	106	100	80/226	220/290	575

IHA115 Series

Engineering Data

Model	Stroke (mm)	Max. Energy / Cycle(Nm) E_T	Max. Energy / Hour(Nm/h) $E_{T,C}$	Effective Weight(kg) m_e	Recoil Forec(N)		Weight(kg)
					Ext.	Comp.	
IHA115 - 50	50	3,700	1,501,000	370 - 44,000	187	427	16
- 100	100	7,400	1,805,000	370 - 57,000	178	482	19
- 150	150	11,100	2,100,000	370 - 89,000	185	538	21
- 200	200	14,800	2,405,000	390 - 118,000	185	665	31
- 250	250	18,500	2,710,000	440 - 145,000	184	649	34



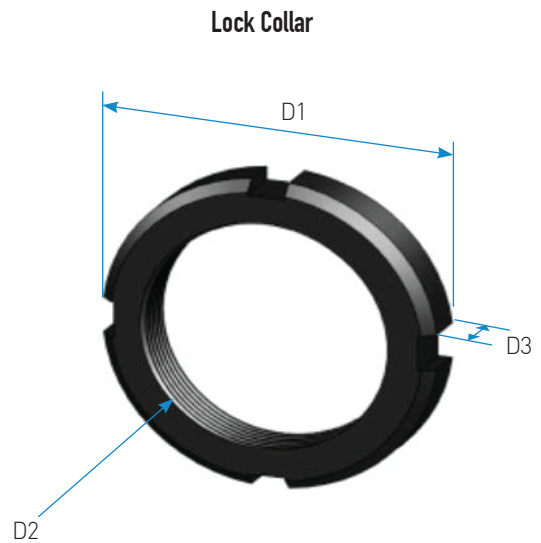
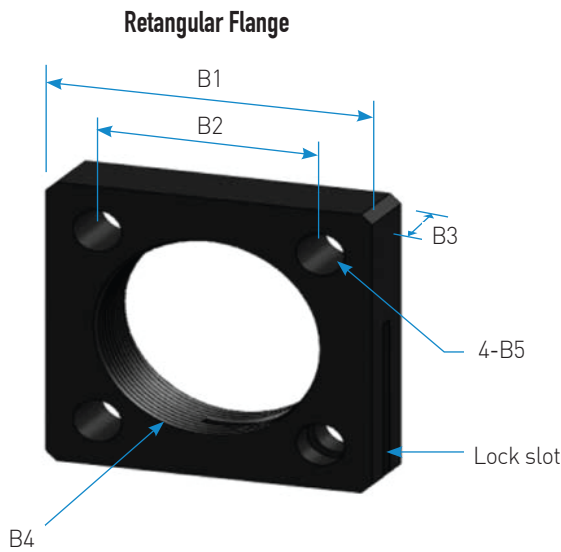
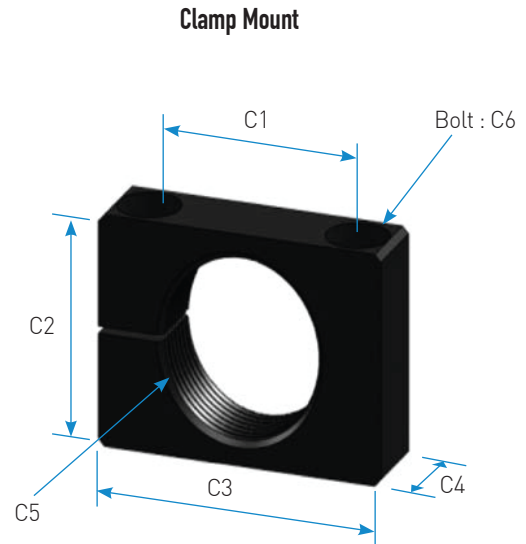
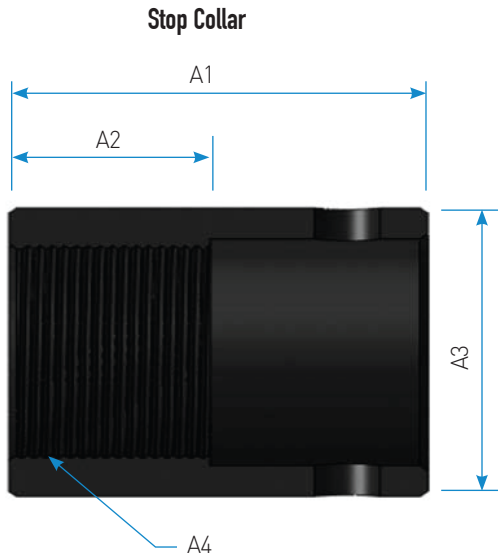
Dimensions

(unit : mm)

Model	Stroke	A	B	C	D	E(Min/Max)	F(Min/Max)	G
IHA115 - 50	50	314	200	75	75	80/170	129/174	430
- 100	100	414	250	100	100	80/220	179/249	535
- 150	150	514	300	125	125	80/270	229/324	635
- 200	200	644	350	150	150	80/320	279/399	760
- 250	250	744	400	180	170	80/370	329/479	865



Accessories



Dimensions

(unit : mm)

Stop Collar	Rectangular Flange	Clamp Mount	Lock Nut	A1	A2	A3	A4	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5	C6	D1	D2	D3
SC42X1.5	RF42X1.5	CM42X1.5	LN42X1.5	52	25	Ø56	M42 X 1.5P	□60	□41	14	M42 X 1.5P	4 - Ø9	60	56	80	25	M42 X 1.5P	M8 X 60L	Ø58	M42 X 1.5P	9
SC64X2.0	RF64X2.0	CM64X2.0	LN64X2.0	85	45	Ø75	M64 X 2.0P	□90	□70	16	M64 X 2.0P	4 - Ø11	78	80	100	25	M64 X 2.0P	M10 X 80L	Ø80	M64 X 2.0P	11
SC85X2.0	RF85X2.0	CM85X2.0	LN85X2.0	95	45	Ø98	M85 X 2.0P	□104	□76	19	M85 X 2.0P	4 - Ø13	115	100	145	30	M85 X 2.0P	M14 X 100L	Ø110	M85 X 2.0P	16
SC115X2.0	RF115X2.0	CM115X2.0	LN115X2.0	130	70	Ø138	M115 X 2.0	□140	□111	25	M115 X 2.0	4 - Ø18	150	135	185	35	M115 X 2.0	M16 X 150L	Ø150	M115 X 2.0	19