

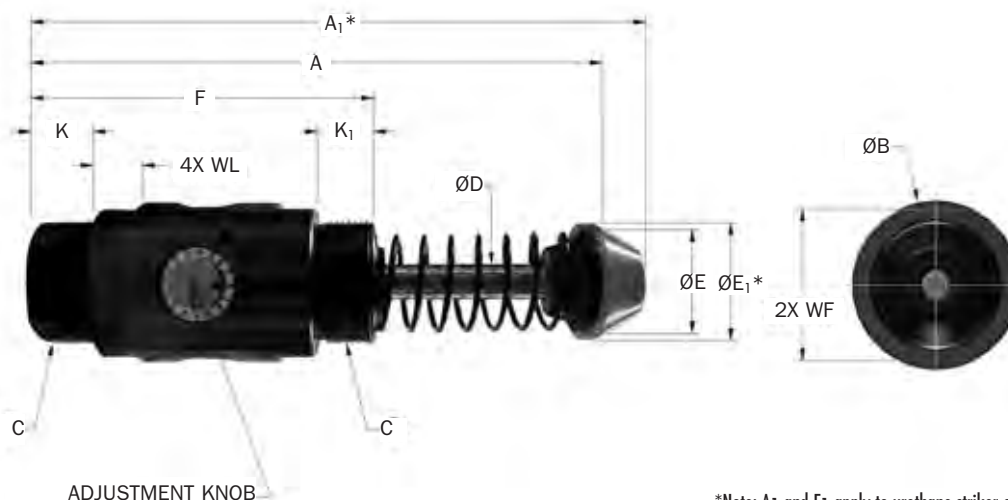
Adjustable Series Hydraulic Shock Absorbers

OEMXT Mid-Bore Series

OEMXT 3/4 → (LR)OEMXT 1.5M Series

Technical Data

Standard



*Note: A₁ and E₁ apply to urethane striker cap accessory.

Catalog No./Model	(S) Stroke mm	Optimal Velocity Range m/s	E _T Max. Nm/c	E _T C Max. Nm/hr	F _p Max. Reaction Force N	Nominal Coil Spring Force		F _D Max. Propelling Force N	Mass Kg
						Extended N	Compressed N		
OEMXT 3/4 x 1	25,0	0,3-3,5	425	126 000	20 000	48	68	2 890	1,2
(LR)OEMXT 3/4 x 1	25,0	0,08-1,3	425	126 000	20 000	48	68	6 660	1,2
OEMXT 3/4 x 2	50,0	0,3-3,5	850	167 000	20 000	29	68	2 890	1,7
(LR)OEMXT 3/4 x 2	50,0	0,08-1,3	850	167 000	20 000	48	85	6 660	1,7
OEMXT 3/4 x 3	75,0	0,3-3,5	1 300	201 000	20 000	29	85	2 890	2,1
OEMXT 1.5M x 1	25,0	0,3-3,5	425	126 000	20 000	48	68	2 890	1,2
(LR)OEMXT 1.5M x 1	25,0	0,08-1,3	425	126 000	20 000	48	68	6 660	1,2
OEMXT 1.5M x 2	50,0	0,3-3,5	850	167 000	20 000	29	68	2 890	1,7
(LR)OEMXT 1.5M x 2	50,0	0,08-1,3	850	167 000	20 000	48	85	6 660	1,7
OEMXT 1.5M x 3	75,0	0,3-3,5	1 300	201 000	20 000	29	85	2 890	2,1

Catalog No./Model	C Thread	A mm	A ₁ mm	B mm	D mm	E mm	E ₁ mm	F mm	K mm	K ₁ mm	WF mm	WL mm
(LR)OEMXT 3/4 x 1	1 3/4 - 12 UN	144	162	58	13	38	44	92	32	32	40,5	19
(LR)OEMXT 3/4 x 2	1 3/4 - 12 UN	195	213	58	13	38	44	118	45	45	40,5	19
(LR)OEMXT 3/4 x 3	1 3/4 - 12 UN	246	264	58	13	38	44	143	57	57	40,5	19
(LR)OEMXT 1.5M x 1	M42 x 1,5	144	162	58	13	38	44	92	32	32	40,5	19
(LR)OEMXT 1.5M x 2	M42 x 1,5	195	213	58	13	38	44	118	45	45	40,5	19
(LR)OEMXT 1.5M x 3	M42 x 1,5	246	264	58	13	38	44	143	57	57	40,5	19



ITT
ENGINEERED FOR LIFE

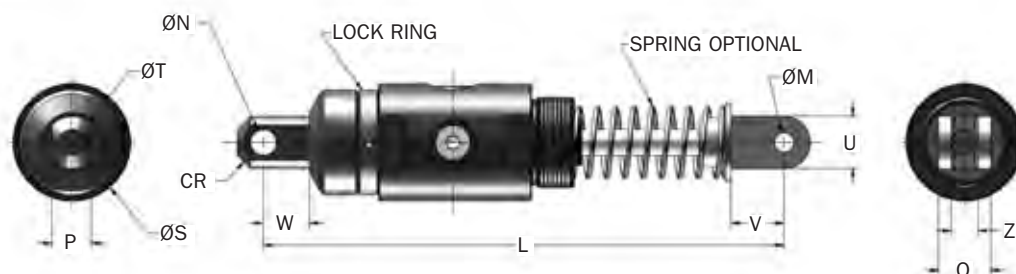
Adjustable Series Hydraulic Shock Absorbers

OEMXT Mid-Bore Series

OEMXT $\frac{3}{4}$ → (LR)OEMXT 1.5M Series

Accessories

Clevis Mount

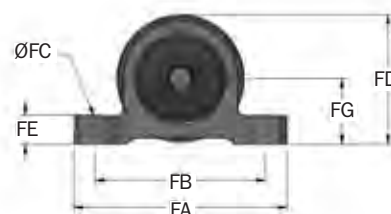
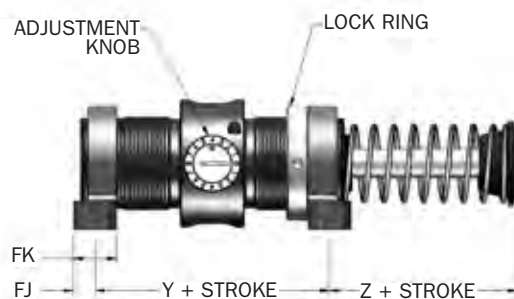


Catalog No./Model	(S) Stroke mm	L mm	M mm	N mm	P mm	Q mm	S mm	T mm	U mm	V mm	W mm	Z mm	CR mm	Mass Kg
Δ (LR)OEMXT $\frac{3}{4}$ x 1 CM (S)	25	199,0	9,60	12,70 +0,25/0	19,0 +0,25/0	25,4 0/-0,3	51,0	25,4	25,0	26,0	22,0	12,9	14,3 +0,5/-0	1,59
Δ (LR)OEMXT 1.5M x 1 CM (S)	25	199,0	9,60	12,70 +0,25/0	19,0 +0,25/0	25,4 0/-0,3	51,0	25,4	25,0	26,0	22,0	12,9	14,3 +0,5/-0	1,59
Δ (LR)OEMXT $\frac{3}{4}$ x 2 CM (S)	50	250,0	9,60	12,70 +0,25/0	19,0 +0,25/0	25,4 0/-0,3	51,0	25,4	25,0	26,0	22,0	12,9	14,3 +0,5/-0	1,7
Δ (LR)OEMXT 1.5M x 2 CM (S)	50	250,0	9,60	12,70 +0,25/0	19,0 +0,25/0	25,4 0/-0,3	51,0	25,4	25,0	26,0	22,0	12,9	14,3 +0,5/-0	1,7
Δ OEMXT $\frac{3}{4}$ x 3 CM (S)	75	300,0	9,60	12,70 +0,25/0	19,0 +0,25/0	25,4 0/-0,3	51,0	25,4	25,0	26,0	22,0	12,9	14,3 +0,5/-0	1,95
Δ OEMXT 1.5M x 3 CM (S)	75	300,0	9,60	12,70 +0,25/0	19,0 +0,25/0	25,4 0/-0,3	51,0	25,4	25,0	26,0	22,0	12,9	14,3 +0,5/-0	1,95

Notes: 1. "S" designates model is supplied with spring.

2. Δ = Non-standard lead time items, contact ITT Enidine.

Flange Foot Mount



Catalog No./Model	Part Number	Model Ref	Y mm	Z mm	FA mm	FB mm	FC mm	FD mm	FE mm	FG mm	FJ mm	FK mm	Size mm	Bolt Mass g
FM 1 $\frac{3}{4}$ -12	2FE2940	(LR)OEM $\frac{3}{4}$	60,5	26,9	95,3	76,2	8,6	55,0	12,7	29,5	9,7	19,1	M8	370
FM M42 x 1,5	2F2940	(LR)OEM 1.5M	60,5	26,9	95,3	76,2	8,6	55,0	12,7	29,5	9,7	19,1	M8	370

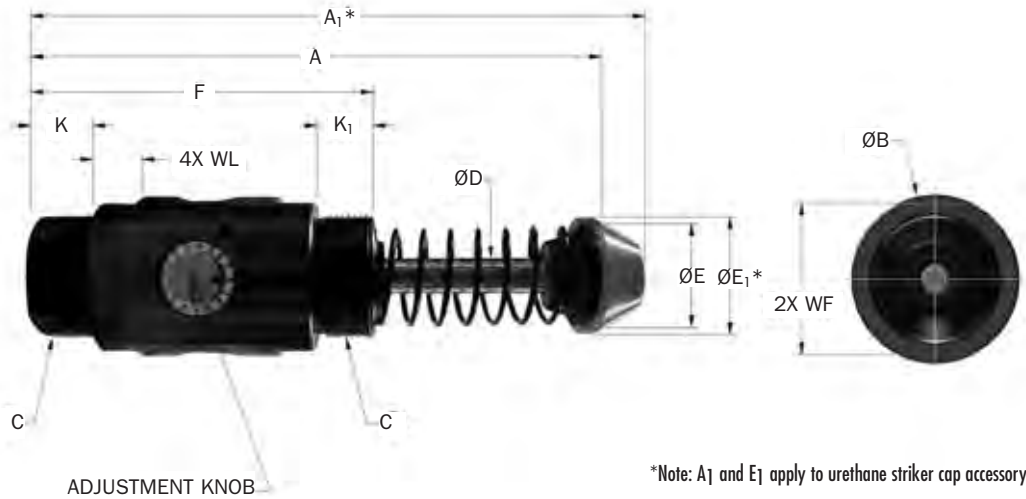
Adjustable Series Hydraulic Shock Absorbers

OEMXT Mid-Bore Series

OEMXT 1 1/8 → (LR)OEMXT 2.0M Series

Technical Data

Standard



Catalog No./Model	(S) Stroke mm	Optimal Velocity Range m/s	ET Max. Nm/c	ETC Max. Nm/hr	Fp Max. Reaction Force N	Nominal Coil Spring Force		FD Max. Propelling Force N	Mass Kg
						Extended N	Compressed N		
Δ LROEMXT 1 1/8 x 1	25,0	0,08-1,35	1 130	226 000	51 000	115	155	17 760	2,1
OEMXT 1 1/8 x 2	50,0	0,3-3,5	2 260	271 000	51 000	75	155	6 660	3,6
LROEMXT 1 1/8 x 2	50,0	0,08-1,35	2 260	271 000	51 000	75	155	17 760	3,6
OEMXT 1 1/8 x 4	100,0	0,3-3,5	4 520	362 000	51 000	70	160	6 660	4,9
OEMXT 1 1/8 x 6	150,0	0,3-3,5	6 780	421 000	51 000	90	284	6 660	6,4
Δ LROEMXT 2.0M x 1	25,0	0,08-1,35	1 130	226 000	51 000	115	155	17 760	2,1
OEMXT 2.0M x 2	50,0	0,3-3,5	2 260	271 000	51 000	75	155	6 660	3,6
LROEMXT 2.0M x 2	50,0	0,08-1,35	2 260	271 000	51 000	75	155	17 760	3,6
OEMXT 2.0M x 4	100,0	0,3-3,5	4 520	362 000	51 000	70	160	6 660	4,9
OEMXT 2.0M x 6	150,0	0,3-3,5	6 780	421 000	51 000	90	284	6 660	6,4

Note: Δ = Non-standard lead time items, contact ITT Enidine.

Catalog No./Model	C	A mm	A1 mm	B mm	D mm	E mm	E1 mm	F mm	K mm	K1 mm	WF mm	WL mm
Δ LROEMXT 1 1/8 x 1	2 1/2 - 12 UN	175	192	77	19	50	57	114	38	38	61,5	19
LROEMXT 1 1/8 x 2	2 1/2 - 12 UN	226	243	77	19	50	57	140	51	51	61,5	19
OEMXT 1 1/8 x 4	2 1/2 - 12 UN	328	345	77	19	50	57	191	76	76	61,5	19
OEMXT 1 1/8 x 6	2 1/2 - 12 UN	456	473	77	19	50	57	241	76	76	61,5	19
Δ LROEMXT 2.0M x 1	M64 x 2,0	175	192	77	19	50	57	114	38	38	61,5	19
(LR)OEMXT 2.0M x 2	M64 x 2,0	226	243	77	19	50	57	140	51	51	61,5	19
OEMXT 2.0M x 4	M64 x 2,0	328	345	77	19	50	57	191	76	76	61,5	19
OEMXT 2.0M x 6	M64 x 2,0	456	473	77	19	50	57	241	76	76	61,5	19

Note: Δ = Non-standard lead time items, contact ITT Enidine.

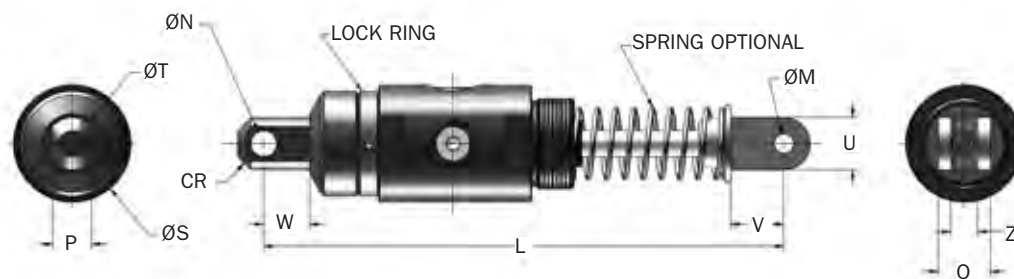
Adjustable Series Hydraulic Shock Absorbers

OEMXT Mid-Bore Series Accessories

OEMXT 1 1/8 → (LR)OEMXT 2.0M Series

Accessories

Clevis Mount

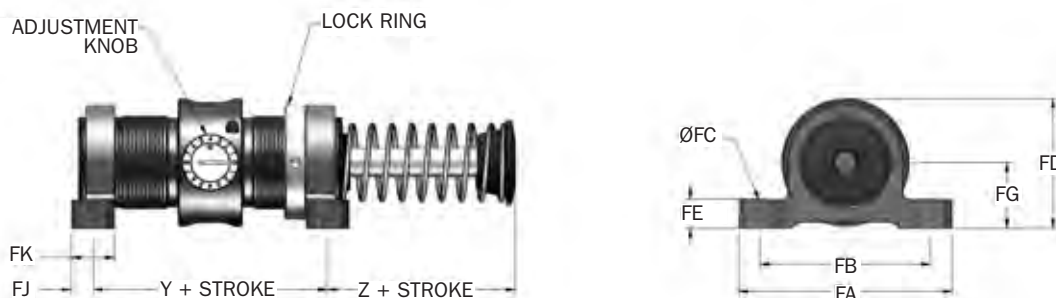


Catalog No./Model	(S) Stroke mm	L mm	M mm	N mm	P mm	Q mm	S mm	T mm	U mm	V mm	W mm	Z mm	CR mm	Mass Kg
Δ (LR)OEMXT 1 1/8 x 2 CM (S)	50	306,0	19,07 +0,25/0	19,07 +0,25/0	31,7 0/-0,3	38,0 +0,5/0,0	73,0	38,0	38,0	36,0	26,0	16,0	23,0	5,30
Δ (LR)OEMXT 2.0M x 2 CM (S)	50	306,0	19,07 +0,25/0	19,07 +0,25/0	31,7 0/-0,3	38,0 +0,5/0,0	73,0	38,0	38,0	36,0	26,0	16,0	23,0	5,30
Δ OEMXT 1 1/8 x 4 CM (S)	100	408,0	19,07 +0,25/0	19,07 +0,25/0	31,7 0/-0,3	38,0 +0,5/0,0	73,0	38,0	38,0	36,0	26,0	16,0	23,0	6,08
Δ OEMXT 2.0M x 4 CM (S)	100	408,0	19,07 +0,25/0	19,07 +0,25/0	31,7 0/-0,3	38,0 +0,5/0,0	73,0	38,0	38,0	36,0	26,0	16,0	23,0	6,08
Δ OEMXT 1 1/8 x 6 CM (S)	150	537,0	19,07 +0,25/0	19,07 +0,25/0	31,7 0/-0,3	38,0 +0,5/0,0	73,0	38,0	38,0	36,0	26,0	16,0	23,0	7,39
Δ OEMXT 2.0M x 6 CM (S)	150	537,0	19,07 +0,25/0	19,07 +0,25/0	31,7 0/-0,3	38,0 +0,5/0,0	73,0	38,0	38,0	36,0	26,0	16,0	23,0	7,39

Notes: 1. "S" designates model is supplied with spring.

2. Δ = Non-standard lead time items, contact ITT Enidine.

Flange Foot Mount



Catalog No./Model	Part Number	Model Ref	Y mm	Z mm	FA mm	FB mm	FC mm	FD mm	FE mm	FG mm	FJ mm	FK mm	Bolt Size mm	Mass Kg	Notes
FM 2 1/2 x 12	2FE3010	(LR)OEM 1 1/8	76,2	39,6	143,0	124,0	10,4	89,7	16,0	44,5	11,2	22,4	M10	1.08	1
FM M64 x 2	2F3010	(LR)OEM 2.0M	76,2	39,6	143,0	124,0	10,4	89,7	16,0	44,5	11,2	22,4	M10	1.08	2

Notes: 1. OEM 1 1/8 x 6 'Z' dimension is 68,3 mm.

2. OEM 2.0M x 6 'Z' dimension is 68,3 mm.

Stop Collar (SC)

(LR)OEMXT $\frac{3}{4}$ → (LR)OEMXT 2.0M

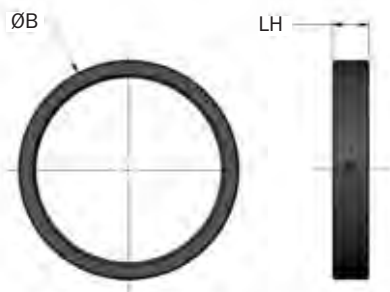


Catalog No./Model	Part Number	Model Ref	CA mm	CB mm	CD mm	Mass g
Δ SC M2 $\frac{1}{2}$ - 12*	8KE2940	(LR)OEMXT $\frac{3}{4}$	49,0	49,0	56,5	340
Δ SC M2 $\frac{1}{2}$ - 12 x 2	8KE3010	(LR)OEMXT 1 $\frac{1}{8}$ x 2 & 4	63,0	65,0	76,0	652
Δ SC M2 $\frac{1}{2}$ - 12 x 6	8KE3012	(LR)OEMXT 1 $\frac{1}{8}$ x 6	93,0	65,0	76,0	936
Δ SC M42 x 1.5 x 1	8K2940	(LR)OEMXT 1.5M x 1	62,0	49,0	56,0	397
Δ SC M42 x 1.5 x 2	8K2941	(LR)OEMXT 1.5M x 2	75,0	49,0	56,0	539
Δ SC M42 x 1.5 x 3	8K2942	OEMXT 1.5M x 3	87,0	49,0	56,0	652
Δ SC M64 x 2 x 2	M93010057	(LR)OEMXT 2.0M x 2	89,0	65,0	76,0	936
Δ SC M64 x 2 x 4	M93011057	OEMXT 2.0M x 4	114,0	65,0	76,0	1 191
Δ SC M64 x 2 x 6	M93012057	OEMXT 2.0M x 6	143,0	65,0	76,0	1 475

Notes: 1. * Do not use with urethane striker cap.

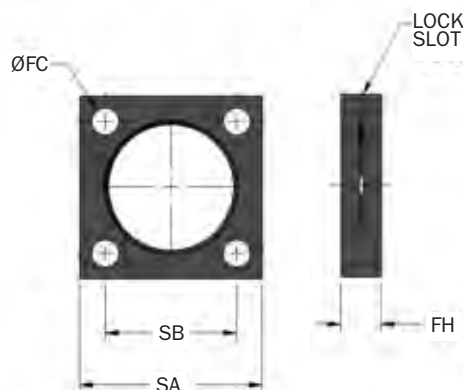
2. Δ = Non-standard lead time items, contact ITT Enidine.

Lock Ring (LR)



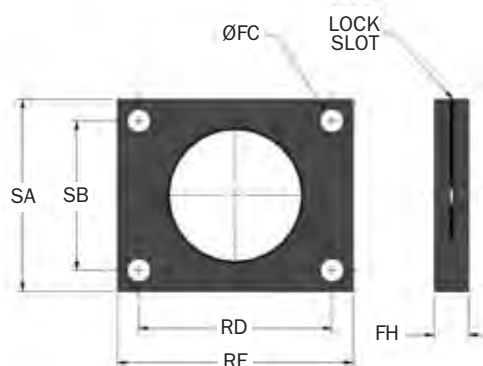
Catalog No./Model	Part Number	Model Ref	B mm	LH mm	Mass g
LR 1 $\frac{3}{4}$ - 12	F8E2940049	(LR)OEMXT $\frac{3}{4}$	50,8	9,6	85
LR 2 $\frac{1}{2}$ - 12	F8E3010049	(LR)OEMXT 1 $\frac{1}{8}$	73,0	12,7	114
LR M42 x 1.5	F82940049	(LR)OEMXT 1.5M	50,8	9,6	85
LR M64 x 2	F83010049	(LR)OEMXT 2.0M	73,0	12,7	114
LR M85 x 2	F83330049	(LR)OEM 3.0M	98,2	16,0	226
LR M115 x 2	F83720049	(LR)OEM 4.0M	126,7	22,4	397

Square Flange (SF)



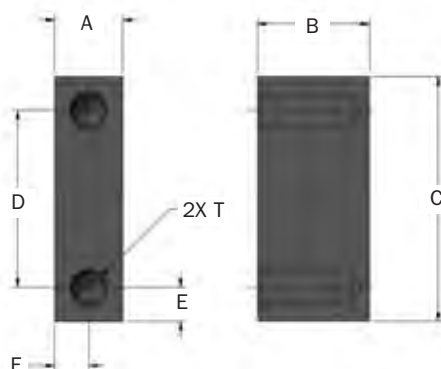
Catalog No./Model	Part Number	Model Ref	FC mm	FH mm	SA mm	SB mm	Bolt Size mm	Mass g
SF 1 $\frac{3}{4}$ - 12	M4E2940129	(LR)OEMXT $\frac{3}{4}$	8,6	12,7	57,2	41,4	M8	140
SF 2 $\frac{1}{2}$ - 12	M4E3010129	(LR)OEMXT 1 $\frac{1}{8}$	10,4	15,7	90,0	89,0	M10	570
SF M42 x 1.5	M42940129	(LR)OEMXT 1.5M	8,6	12,7	57,2	41,4	M8	140
SF M64 x 2	M43010141	(LR)OEMXT 2.0M	10,4	15,7	89	69,9	M10	570
SF M85 x 2	M43330141	OEM 3.0M	13,5	19,0	101,6	76,2	M13	680
SF M115 x 2	M43720141	OEM 4.0M	16,5	25,4	139,7	111,3	M16	1 590

Rectangular Flange (RF)



Catalog No./Model	Part Number	Model Ref	FC mm	FH mm	RD mm	RE mm	SA mm	SB mm	Bolt Size mm	Mass g
RF 1 3/4 -12	M5E2940129	(LR)OEMXT 3/4	8,6	12,7	60,5	76,2	57,2	41,4	M8	260
RF M42 x 1.5	M52940129	(LR)OEMXT 1.5M	8,6	12,7	60,5	76,2	57,2	41,4	M8	260
RF M85 x 2	M53330129	OEM 3.0M	13,5	19,1	101,6	127,0	101,6	76,2	M13	1 040

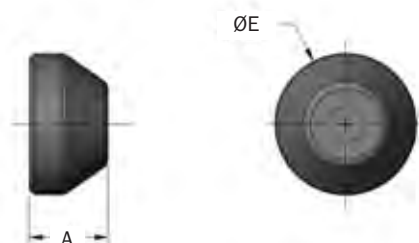
Stop Bar Kit



Kit Part Number	Model Ref	A mm	B mm	C mm	D mm	E mm	F mm	T	Bolt Size mm	Mass g
ΔT52940300	OEMXT 3/4	16,0	26,2	57,2	41,4	7,98,1	5/16 - 24	UNF x 18 mm DEEP	5/16	173
ΔT53010300	OEMXT 1 1/8	12,7	36,1	88,9	69,9	9,78,1	3/8 - 24	UNF x 18 mm DEEP	3/8	298

Notes: 1. Kit includes 2 Stop Bars, Rectangular Flange for OEMXT 3/4 and 1.5M, Square Flange for 1 1/8 and 2.0M and Lock Ring.
2. Δ = Non-standard lead time items, contact ITT Enidine.

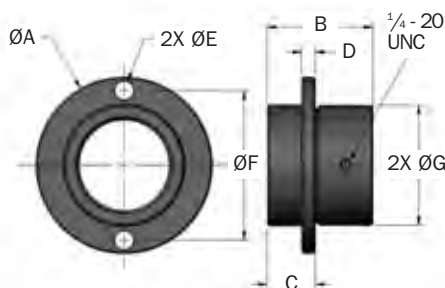
Urethane Striker Cap (UC)



Catalog No./Model	Part Number	Model Ref	A mm	E1 mm	Mass g
UC 2940	C92940079	(LR)OEMXT 3/4	24,5	44,5	14
UC 3010	C93010079	(LR)OEMXT 1 1/8	24,1	57,0	23
UC 2940	C92940079	(LR)OEMXT 1.5M	24,5	44,5	14
UC 3010	C93010079	(LR)OEMXT 2.0M	24,1	57,0	23
UC 3330	C93330079	OEM 3.0M	31,4	76,0	85
UC 3720	C93720079	OEM 4.0M	37,5	95,0	170

Note: For complete shock absorber dimension with urethane striker cap, refer to engineering data, pages 27-31.

Stop Collar With Flange (SCF)



Catalog No./Model	Part Number	Model Ref	A mm	B mm	C ±.002 mm	D mm	E mm	F mm	G mm	Bolt Size mm	Mass g
ΔSCF 1 3/4 -12	M98640300	OEMXT 3/4	83	49,3	22,4	6,4	8,6	70	56	8	638
ΔSCF 2 1/2 -12	M98650300	OEMXT 1 1/8	108	63	25,4	9,7	8,6	89	75	8	1 238

Notes: 1. Locking set screw feature provided as standard.
2. Δ = Non-standard lead time items, contact ITT Enidine.

Adjustable Series Hydraulic Shock Absorbers

ECO OEM/OEMXT/OEM Large Bore Series

Adjustment Techniques

After properly sizing the shock absorber, the useable range of adjustment settings for the application can be determined:

1. Locate the intersection point of the application's impact velocity and the selected model graph line.
2. The intersection is the **maximum** adjustment setting to be used. Adjustments **exceeding this maximum suggested setting could overload the shock absorber.**
3. The useable adjustment setting range is from the 0 setting to the **maximum** adjustment setting as determined in step 2.

Example: OEM 1.25M x 1

1. Impact Velocity: 1,0 m/s
2. Intersection Point: Adjustment Setting 5
3. Useable Adjustment: Setting Range 0 to 5

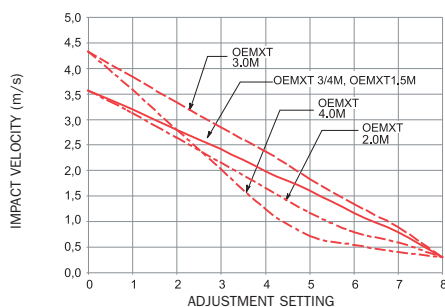
Example: (LR)OEMXT 2.0M x 2

1. Impact Velocity: .5 m/s
2. Intersection Point: Adjustment Setting 3
3. Useable Adjustment: Setting Range 0 to 3

Useable Adjustment Setting Range

Position 0 provides minimum damping force.
Position 8 provides maximum damping force.

OEMXT Large

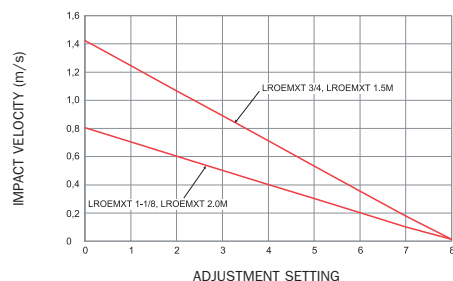


180° adjustment with setscrew locking. OEMXT 3.0M - OEM 4.0M



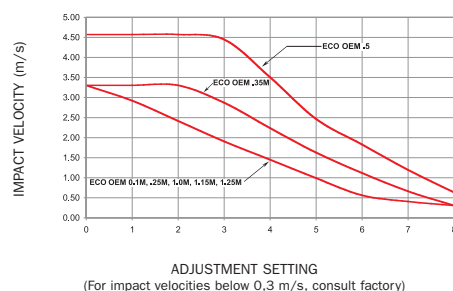
360° adjustment with setscrew locking. OEMXT 1.5M and OEMXT 2.0M

(LR)OEMXT Large



360° adjustment with setscrew locking (LR)OEMXT 1.5M and (LR)OEMXT 2.0M

ECO OEM Small Series

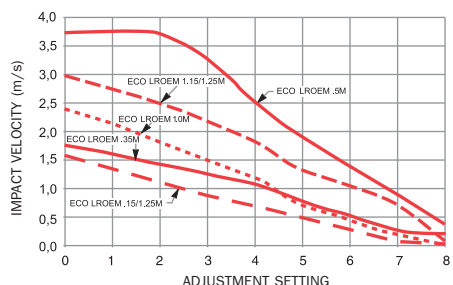


180° adjustment with setscrew locking ECO OEM 0.1M - ECO OEM 0.5M



360° adjustment with setscrew locking ECO OEM 1.0M

ECO (LR)OEM Small Series



180° adjustment with setscrew locking ECO (LR)OEM 0.15M - ECO (LR)OEM 0.5M



360° adjustment with setscrew locking ECO (LR)OEM 1.0M