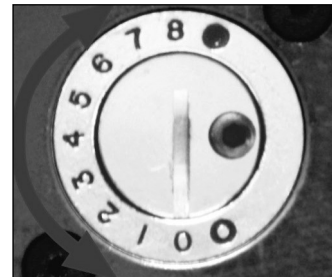
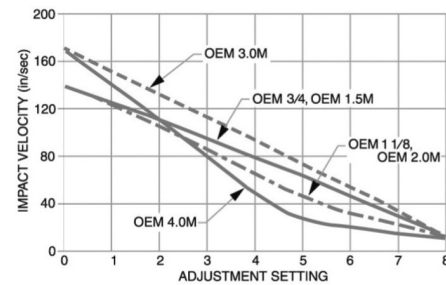


Adjustment Techniques

■충돌 속도에 따른 다이얼 조정이 꼭 필요합니다.

Useable Adjustment Setting Range

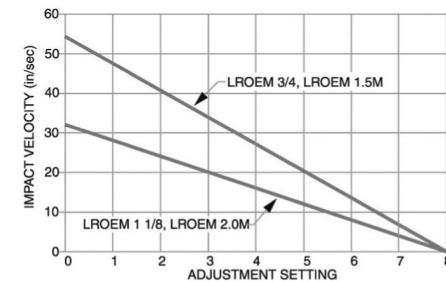
Position 0 provides minimum damping force.
Position 8 provides maximum damping force.



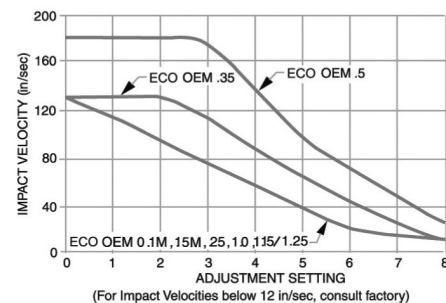
180° adjustment with setscrew locking.
OEMXT 3.0M-OEM 4.0M



360° adjustment with setscrew locking.
OEMXT 3/4 and OEMXT 1 1/8
OEMXT 1.5M and OEMXT 2.0M



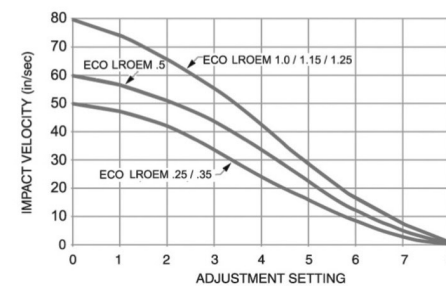
360° adjustment with setscrew locking
(LR)OEMXT 3/4 and (LR)OEMXT 1 1/8
(LR)OEMXT 1.5M and (LR)OEMXT 2.0M



180° adjustment with setscrew locking
ECO OEM 0.1M - ECO OEM .5



360° adjustment with setscrew locking
ECO OEM 1.0



180° adjustment with setscrew locking
ECO (LR)OEM 0.15M - (LR)OEM .5



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

NON - ADJUSTABLE HYDRAULIC SERIES

TK/STH SERIES PMXT SERIES 유압 비조정형 모델

특 성



다양한 종류의 크기와 넓은 범위의 에너지 흡수 용량



고객의 요구에 맞는 제품생산
SH/STH Series



어떠한 환경에서는 완벽하게 작동하는 Oil
표준유 : -10~80℃, 특수유 : -30~100℃



나사식 본체로 인한 체결 용이성 및
원활한 열발산



긴수명, 높은 에너지 용량,
니켈크롬 도금으로 신뢰성 향상



엄격하고 정밀한 품질관리로 긴 수명보장



TK Series TK 6M ~ TK 21M
점진적인 댐핑효과 및 자기보정형 모델



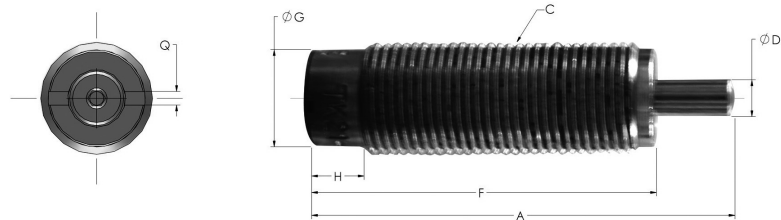
PMXT Series PMXT 1525M ~ PMXT 2150M
저속,고추진력에 적합, 자기보정용 모델



SH/STH Series SH 25M~ STH 1.5M x 2
주문제작형 모델

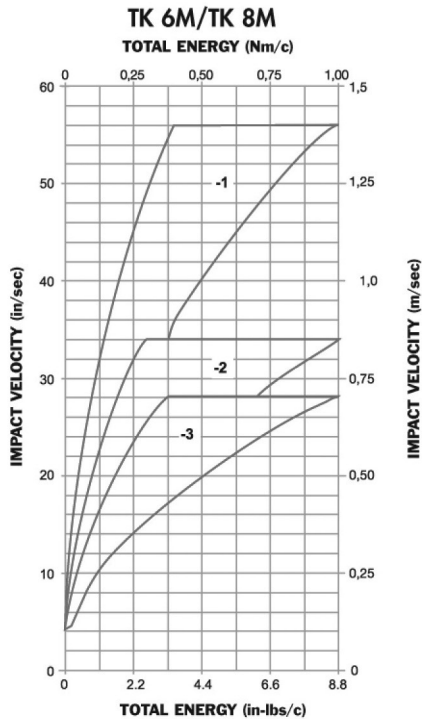
TK 6M, TK 8 Series

Standard



Catalog No. / Model	Bore Size in. (mm)	(S) Stroke in. (mm)	(E _T) Max. in.-lbs./cycle (Nm/c)	(E _T C) Max. in.-lbs./hour (Nm/h)	(F _P) Max. Shock Force lbs. (N)	Nominal Coil Spring Force		Weight (mass) oz.(g)
						Extended lbs. (N)	Compressed lbs.(N)	
TK 6M	.28 (4,2)	.25 (4,0)	9 (1,0)	31,863 (3 600)	81 (360)	0.2 (1,0)	0.8 (3,5)	.14 (4)
TK 8M	.16 (4,2)	.25 (4,0)	9 (1,0)	42,480 (4 800)	81 (360)	0.2 (1,0)	0.8 (3,5)	.2 (6)

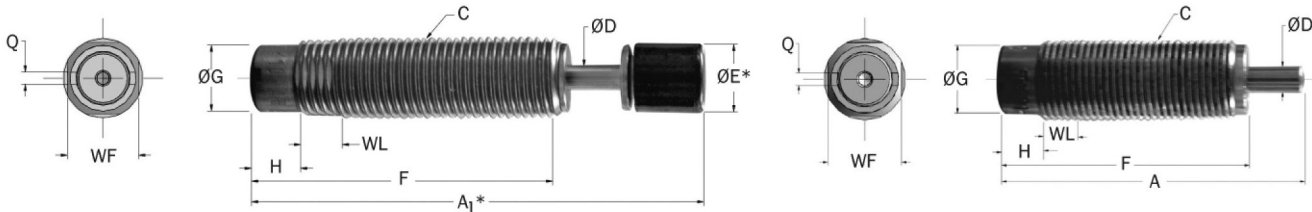
Catalog No. / Model	Damping Constant	A in. (mm)	C in. (mm)	Ø D in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	Q in. (mm)
TK 6M	-1, -2, -3	1.14 (28,0)	M6 x 0,5	.08 (2,0)	1.0 (25,0)	.20 (5,0)	.16 (4,0)	.04 (1,0)
TK 8M	-1, -2, -3	1.14 (29,0)	M8 x 1,0	.08 (2,0)	1.0 (25,0)	.25 (6,4)	.16 (4,0)	.04 (1,0)



Technical Data

TK 10M Series

Standard

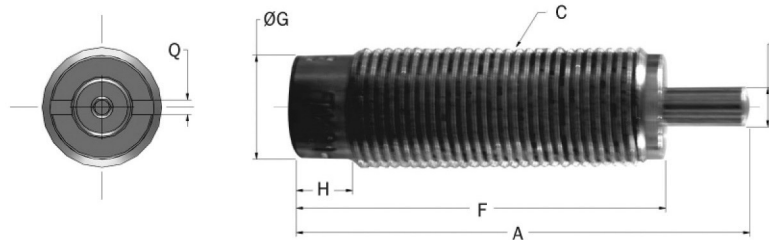


Catalog No. / Model	Bore Size in. (mm)	(E _T) Max. in.-lbs./cycle (Nm/c)	(E _T C) Max. in.-lbs./hour (Nm/h)	(F _P) Max. Shock Force lbs. (N)	Nominal Coil Spring Force		(F _D) Max.Pr opelling Force lbs. (N)	Weight (mass) oz.(g)
					Extended lbs. (N)	Compressed lbs.(N)		
TK 10M (B)	25 (6,4)	50 (6,0)	115,000 (13 000)	315 (1 400)	0.3 (1,5)	2.2 (10,0)	- -	.6 (17)

Catalog No. / Model	Damping Constant	A in. (mm)	A1 in. (mm)	C in. (mm)	D in. (mm)	Ø E in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	Q in. (mm)	WF in. (mm)	WL in. (mm)	Stroke (S) in. (mm)
TK 10M (B)	-1 to -9	1.75 (44,6)	2.14 (54,4)	M10 x 1.0 M10 x 1,0	12 (3,1)	.35 (8,5)	1.50 (38,0)	.33 (8,3)	.20 (5,0)	.06 (1,5)	.35 (9,0)	.16 (4,0)	0.25 (6,4)

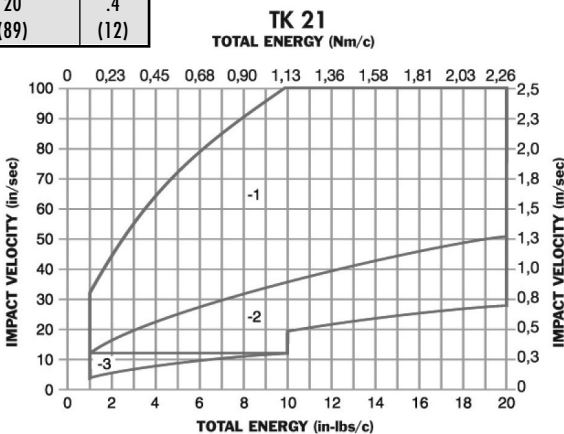
TK 21M Series

Standard



Catalog No. / Model	(S) Stroke in. (mm)	(E _T) Max. in.-lbs./cycle (Nm/c)	(E _T C) Max. in.-lbs./hour (Nm/h)	(F _P) Max. Shock Force lbs. (N)	Nominal Coil Spring Force		(F _D) Max. Propelling Force lbs. (N)	Weight (mass) oz.(g)
					Extended lbs. (N)	Compressed lbs.(N)		
TK 21 TK 21M	.25 (6,4)	20 (2,2)	36,000 (4 100)	160 (700)	0.65 (2,9)	1.13 (5,0)	20 (89)	.4 (12)

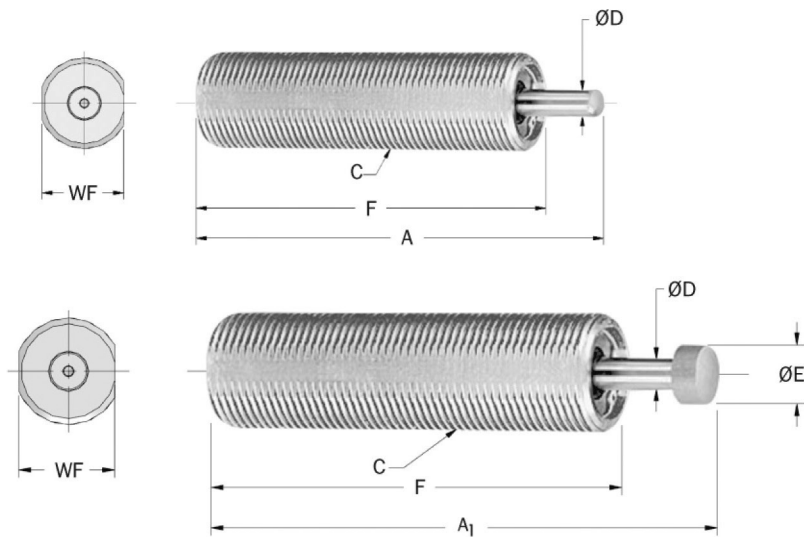
Catalog No. / Model	Damping Constant	A in. (mm)	C in. (mm)	D in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	Q in. (mm)
TK 21 TK 21M	-1, -2, -3 -1, -2, -3	1.39 (35,4)	3/8 - 32 UNEF M10 x 1,0	.12 (3,1)	1.13 (28,7)	.32 (8,2)	.17 (4,4)	.05 (1,2)



Technical Data

STH .25M → STH 1.5M x 2 Series

Custom Orificed Products



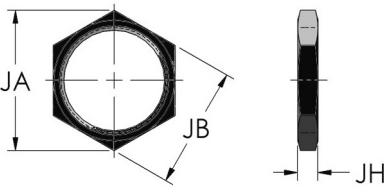
Catalog No. / Model	(S) Stroke in. (mm)	(E _T) Max. in.-lbs./cycle (Nm/c)	(E _T -C) Max. in.-lbs./hour (Nm/h)	(F _P) Max. Shock Force lbs. (N)	Nominal Coil Spring Force		Model Weight lbs. (g)
					Extended lbs. (N)	Compressed lbs. (N)	
Δ STH .25M	0.25 (6,0)	100 (11)	39,000 (4 420)	615 (2 730)	2.5 (11)	4.0 (18)	2.8 oz. (79)
Δ STH .5M	0.50 (12,5)	585 (65)	390,000 (44 200)	1,800 (8 000)	4.0 (18)	7.0 (31)	7.7 oz. (218)
Δ STH .75M	0.75 (19,0)	2,180 (245)	780,000 (88 400)	4,400 (19 600)	8.0 (35)	20.0 (90)	1.1 (500)
Δ STH 1.0M	1.00 (25,0)	4,400 (500)	1,300,000 (147 000)	6,700 (29 800)	22.0 (98)	53.0 (235)	1.6 (726)
Δ STH 1.0M x 2	2.00 (50,0)	8,800 (1 000)	2,100,000 (235 000)	6,700 (29 800)	15.0 (66)	30.0 (133)	1.9 (862)
Δ STH 1.5M x 1	1.00 (25,0)	10,200 (1 150)	2,200,000 (250 000)	14,600 (65 000)	20.0 (90)	51.0 (227)	3.1 (1 400)
Δ STH 1.5M x 2	2.00 (50,0)	20,400 (2 300)	3,200,000 (360 000)	14,600 (65 000)	12.5 (56)	51.0 (227)	4.0 (1 800)

Catalog No. / Model	A in. (mm)	A ₁ in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	WF in. (mm)
STH .25M	-	2.81 (71,0)	M14 X 1.0	.19 (4,8)	.50 (12,7)	2.00 (51,0)	.50 (13,0)
STH .5M	-	3.50 (89,0)	M22 X 1.5	.22 (5,6)	.38 (9,5)	2.70 (68,5)	.88 (20,0)
STH .75M	-	5.13 (130,0)	M30 X 2.0	.31 (8,0)	.56 (14,3)	4.06 (103,0)	1.13 (27,0)
STH 1.0M	-	6.70 (170,0)	M36 X 1.5	.38 (9,5)	.69 (17,5)	5.38 (136,5)	1.25 (32,0)
STH 1.0M x 2	-	9.38 (238,2)	M36 X 1.5	.38 (9,5)	.69 (17,5)	7.02 (178,3)	1.25 (32,0)
STH 1.5M x 1	7.09 (180,0)	-	M45 X 1.5	.63 (16,0)	-	6.06 (154,0)	1.63 (42,0)
STH 1.5M x 2	10.63 (270,0)	-	M45 X 1.5	.63 (16,0)	-	8.62 (219,0)	1.63 (42,0)

Technical Data

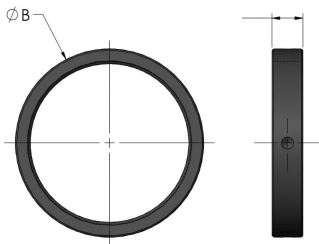
TK 10 → STH 1.5M x 2 Series

Jam Nut (JN)



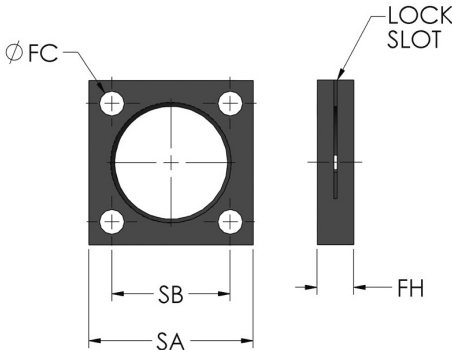
Catalog No. / Model	Part Number	Model (Ref)	JA in. (mm)	JB in. (mm)	JH in. (mm)	Weight (mass) oz.(g)
JN 3/8 - 32	J14421034	TK 21	.58 (14,7)	.50 (12,7)	.09 (2,2)	0.1 (2,8)
JN M10 x 1	J24421035	TK10M/TK21M	0.59 (15,0)	0.51 (13,0)	.13 (3,2)	0.1 (2,8)
JN M14 X 1	J24950035	STH .25M	.77 (19,7)	.67 (17,0)	.16 (4,0)	0.2 (3)
JN M22 X 1.5	J26402035	STH .5M	1.24 (31,5)	1.06 (27,0)	.22 (5,5)	0.5 (12)
JN M30 X 2	J230583035	STH .75M	1.63 (41,6)	1.42 (36,0)	.27 (7,0)	0.9 (26)
JN M36 X 1.5	J23164035	STH 1.0M	1.86 (41,6)	1.61 (36,0)	.25 (7,0)	0.9 (26)
JN M36 X 1.5	J23164035	STH 1.0 X 2M	1.86 (41,6)	1.61 (36,0)	.25 (7,0)	0.9 (26)

Lock Ring (LR)



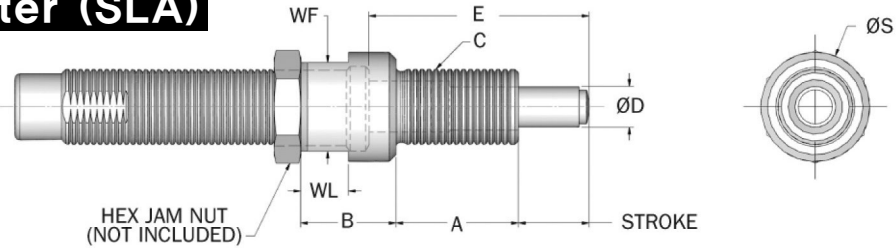
Catalog No. / Mode	Part Number	Model (Ref)	B in. (mm)	LH in. (mm)	Weight (mass) oz. (g)
LR M45 x 1.5	F88637049	STH 1.5 Series	2.25 (57,2)	.38 (9,5)	2.0 (75)

Square Flange (SF)



Catalog No.	Part Number	Model (Ref)	FC in. (mm)	FH in. (mm)	SA in. (mm)	SB in. (mm)	Bolt Size in. (mm)	Weight (mass) oz.(g)
SF M45 X 1.5	M48637129	STH 1.5 Series	.34 (8,6)	.50 (12,7)	2.25 (57,2)	1.63 (41,3)	5/16 (M8)	5 (142)

Side Load Adapter (SLA)



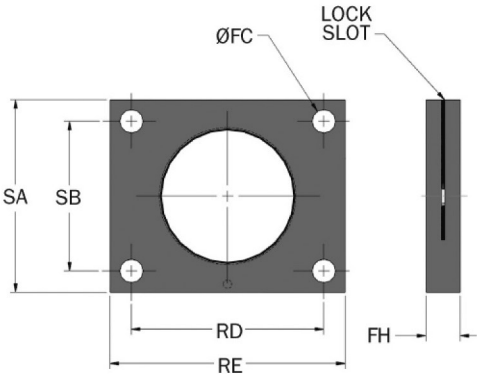
Catalog No. / Model	Part Number	Model (Ref)	Stroke in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	S in. (mm)	WF in. (mm)	WL in. (mm)
SLA 3/8 - 32 x .25	SLA 33843	TK 21	.26 (6,6)	.47 (12)	.43 (11)	3/8 - 32 UNEF	.20 (5,0)	.85 (21,6)	.51 (13,0)	.44 (11,0)	.16 (4,0)
SLA 10 MF	SLA 33457	TK 10M/TK 21M	.27 (6,9)	.47 (12)	.43 (11)	M10 X 1 M10 x 1	.20 (5,0)	.85 (21,6)	.51 (13,0)	.43 (11,0)	.16 (4,0)

TK, STH Micro-Bore Series

TK 10 → STH 1.5M x 2 Series

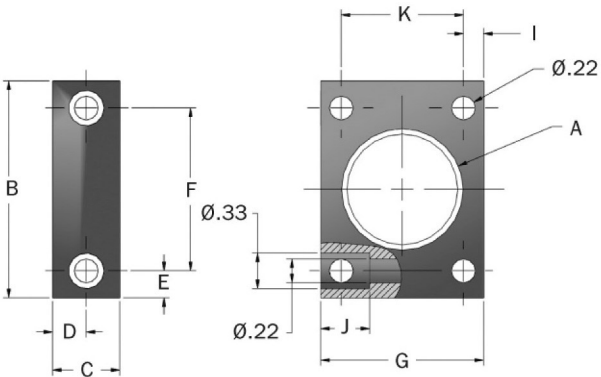
Accessories

Rectangular Flange (RF)



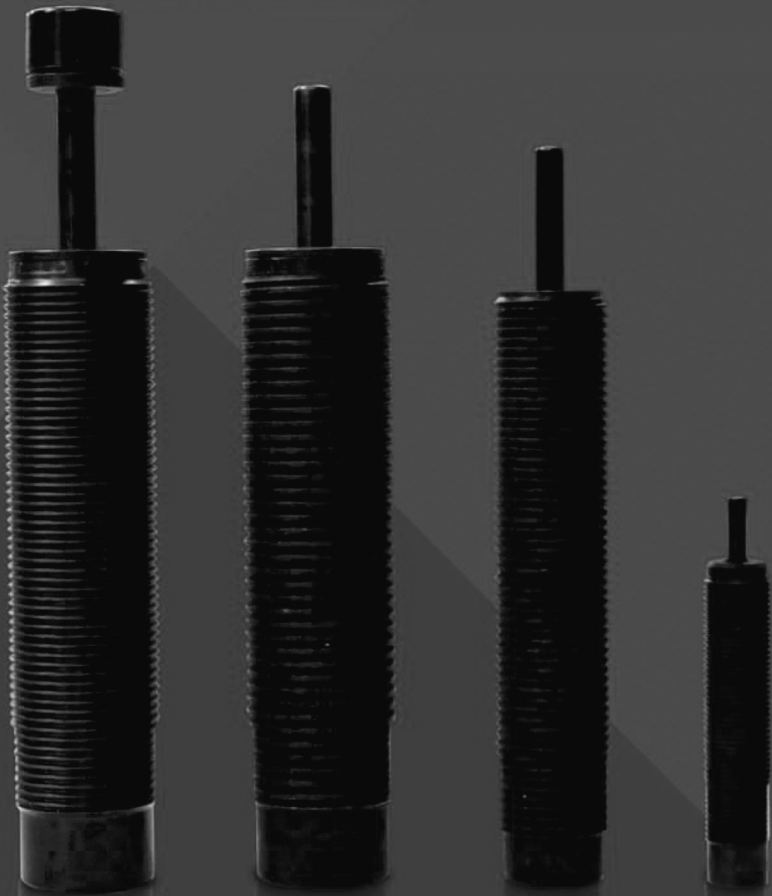
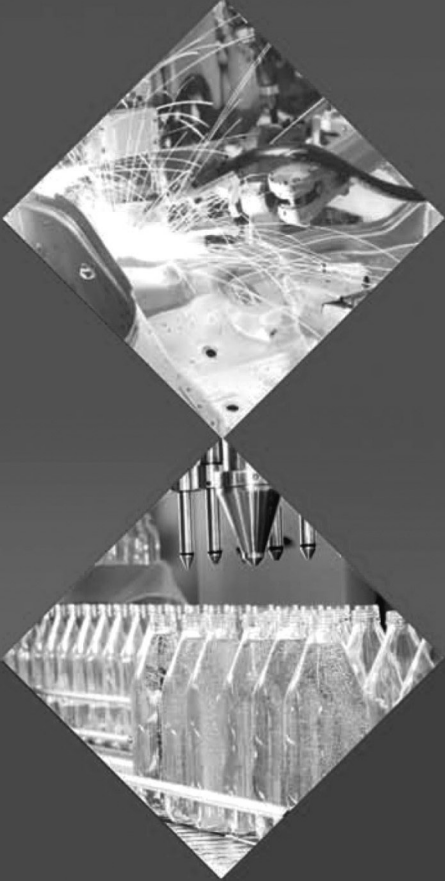
Catalog No. / Model	Part Number	Model (Ref)	A in. (mm)	FC in. (mm)	FH in. (mm)	RD in. (mm)	RE in. (mm)	SA in. (mm)	SB in. (mm)	Bolt Size in. (mm)	Wt. (mass) oz.(g)
RF M45 x 1.5	M58637053	STH 1.5 Series	M45 x 1.5	.34 (8,6)	.50 (12,7)	2.38 (60,5)	3.00 (76,2)	2.25 (57,2)	1.63 (41,3)	5/16 (M8)	9 (142)

Universal Retaining Flange (UF)



Catalog No. / Model	Part Number	Model (Ref)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	J in. (mm)
UF M10 x 1	U16363189	TK 10M(B)/TK21M	M10 x 1	1.50 (38,0)	.47 (12,0)	.24 (6,0)	.25 (6,25)	1.00 (25,5)	1.00 (25)	.50 (12,5)	.20 (5)
UF 3/8 - 32	U19070095	TK21	3/8 - 32 UNF	1.50	0.56	0.28	0.25	1.00	1.00	0.50	0.20

ECO Series Shock Absorbers



ECO Series 특징점

- Anodize표면처리
- 친환경적인 원자재 (Enicote II 표면마감)
- ROHS인증제품
- 친환경적인 오일사용
- 구리를 사용하지 않음
- 300시간 염분 테스트 통과
- 몸체가 알루미늄 재질로 전체적인 무게가 35% 감소



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