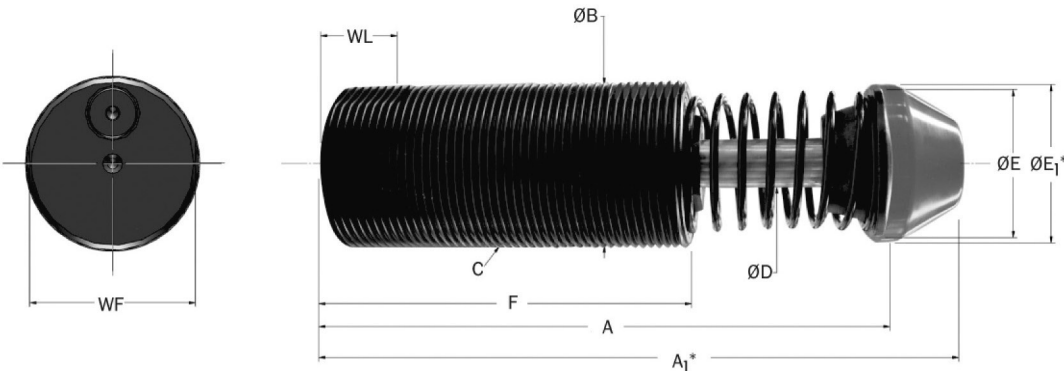


PMXT Mid-Bore Series

PMXT 1525 → PMXT 2150 Serie

Technical Data

Standard



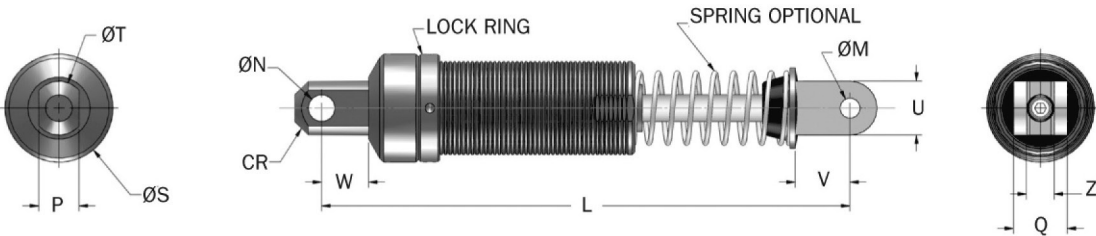
Catalog No./ Model	(S) Stroke in. (mm)	(E _T) Max. in.-lbs./cycle (Nm/cycle)	(E _T C) Max. in.-lbs./hour (Nm/h)	(F _P) Max. Reaction Force lbs. (N)	Nominal Coil Spring Force		(F _D) Max. Propelling Force lbs. (N)	Weight (mass) lbs. (Kg)
					Extended lbs. (N)	Compressed lbs.(N)		
PMXT 1525	1.00 (25,0)	3,250 (367,0)	1,120,000 (126 000)	6,500 (29 000)	11.0 (48,0)	15.0 (68,0)	1,500 (6 700)	2.2 (1,0)
PMXT 1550	2.00 (50,0)	6,500 (735,0)	1,475,000 (167 000)	6,500 (29 000)	11.0 (29,0)	18.0 (78,0)	1,500 (6 700)	2.4 (1,1)
PMXT 1575	3.00 (75,0)	10,000 (1 130,0)	1,775,000 (201 000)	6,500 (29 000)	7.0 (31,0)	18.0 (78,0)	1,500 (6 700)	2.7 (1,3)
PMXT 2050	2.00 (50,0)	16,500 (1 865,0)	2,400,000 (271 000)	13,750 (60 500)	17.0 (80,0)	35.0 (155,0)	4,000 (17 800)	6.0 (2,7)
PMXT 2100	4.00 (100,0)	33,000 (3 729,0)	3,200,000 (362 000)	13,750 (60 500)	16.0 (69,0)	36.0 (160,0)	4,000 (17 800)	7.3 (3,3)
PMXT 2150	6.00 (150,0)	50,000 (5 650,0)	3,730,000 (421 000)	13,750 (60 500)	20.0 (87,0)	64.0 (285,0)	4,000 (17 800)	9.3 (4,2)

Catalog No./ Model	Damping Constant	A in. (mm)	A ₁ in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	E ₁ in. (mm)	F in. (mm)	WF in. (mm)	WL in. (mm)
PMXT 1525 IF	-1,-2,-3	5.68	6.37	(IF) 1 3/4-12 UN	.50	1.48	1.75	3.63	1.70	0.75
PMXT 1525 MF	-1,-2,-3	(144,0)	(162,0)	(MF) M45 x 1,5	(12,7)	(38,0)	(44,5)	(92,0)	(43,5)	(19,0)
PMXT 1550 IF	-1,-2,-3	7.68	8.37	(IF) 1 3/4-12 UN	.50	1.48	1.75	4.63	1.70	0.75
PMXT 1550 MF	-1,-2,-3	(195,0)	(213,0)	(MF) M45 x 1,5	(12,7)	(38,0)	(44,5)	(118,0)	(43,5)	(19,0)
PMXT 1575 IF	-1,-2,-3	9.68	10.37	(IF) 1 3/4-12 UN	.50	1.48	1.75	5.63	1.70	0.75
PMXT 1575 MF	-1,-2,-3	(246,0)	(264,0)	(MF) M45 x 1,5	(12,7)	(38,0)	(44,5)	(143,0)	(43,5)	(19,0)
PMXT 2050 IF	-1,-2,-3	8.90	9.55	(IF) 2 1/2-12 UN	.75	1.98	2.25	5.50	2.42	0.75
PMXT 2050 MF	-1,-2,-3	(226,0)	(243,0)	(MF) M64 x 2,0	(19,0)	(50,0)	(57,0)	(140,0)	(61,5)	(19,0)
PMXT 2100 IF	-1,-2,-3	12.90	13.55	(IF) 2 1/2-12 UN	.75	1.98	2.25	7.50	2.42	0.75
PMXT 2100 MF	-1,-2,-3	(328,0)	(345,0)	(MF) M64 x 2,0	(19,0)	(50,0)	(57,0)	(191,0)	(61,5)	(19,0)
PMXT 2150 IF	-1,-2,-3	17.97	18.62	(IF) 2 1/2-12 UN	.75	2.38	2.38	9.50	2.42	0.75
PMXT 2150 MF	-1,-2,-3	(956,0)	(473,0)	(MF) M64 x 2,0	(19,0)	(60,0)	(60,0)	(241,0)	(61,5)	(19,0)

PMXT Mid-Bore Series

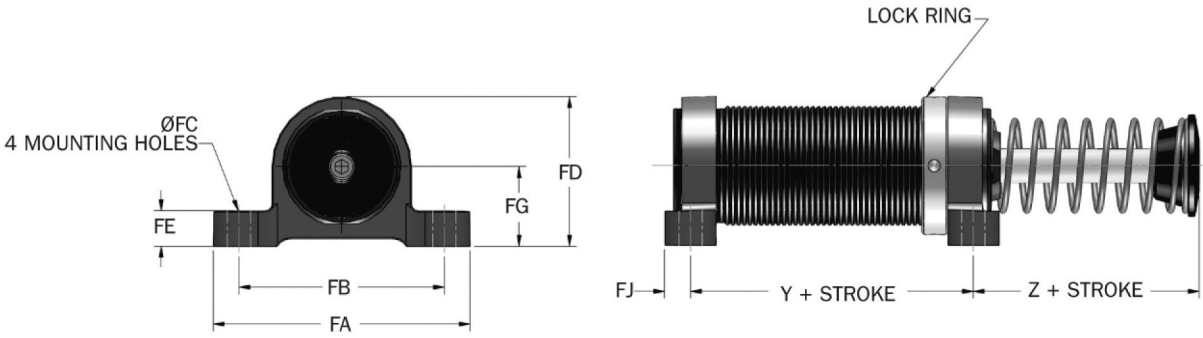
PMXT 1525 CM → PMXT 2150 CM Serie

Clevis Mount



Catalog No./ Model	L in. (mm)	M+ .005/-0.000 (+0,13/-0,00) in.(mm)	N+ .005/-0.000 (+0,13/-0,00) in.(mm)	P+ .000/-0.010 (+0,00/-0,25) in.(mm)	Q+ .000/-0.010 (+0,00/-0,25) in.(mm)	S in. (mm)	T in. (mm)	U in. (mm)	V in. (mm)	W in. (mm)	Z+ .020/-0.000 (+0,51/-0,00) in.(mm)	CR in. (mm)	Weight (mass) lbs. (Kg)
PMXT 1525 CM (S)	7.84 (199)	.376 (9,60)	.501 (12,70)	.750 (19,00)	1.00 (25,4)	2.00 (51)	1.00 (25)	1.00 (25)	1.01 (26)	.87 (22)	.505 (12,9)	.56 (14,3)	3.0 (1,36)
PMXT 1550 CM (S)	9.84 (250)	.376 (9,60)	.501 (12,70)	.750 (19,00)	1.00 (25,4)	2.00 (51)	1.00 (25)	1.00 (25)	1.01 (26)	.87 (22)	.505 (12,9)	.56 (14,3)	3.2 (1,45)
PMXT 1575 CM (S)	11.84 (300)	.376 (9,60)	.501 (12,70)	.750 (19,00)	1.00 (25,4)	2.00 (51)	1.00 (25)	1.00 (25)	1.01 (26)	.87 (22)	.505 (12,9)	.56 (14,3)	3.6 (1,63)
PMXT 2050 CM (S)	12.06 (306)	.751 (19,07)	.751 (19,07)	1.250 (31,70)	1.50 (38,0)	2.88 (73)	1.50 (38)	1.50 (38)	1.40 (35)	1.06 (26)	.630 (16,0)	.90 (23,0)	8.2 (3,72)
PMXT 2100 CM (S)	16.06 (408)	.751 (19,07)	.751 (19,07)	1.250 (31,70)	1.50 (38,0)	2.88 (73)	1.50 (38)	1.50 (38)	1.40 (35)	1.06 (26)	.630 (16,0)	.90 (23,0)	9.3 (4,22)
PMXT 2150 CM (S)	21.13 (537)	.751 (19,07)	.751 (19,07)	1.250 (31,70)	1.50 (38,0)	2.88 (73)	1.50 (38)	1.50 (38)	1.40 (35)	1.06 (26)	.630 (16,0)	.90 (23,0)	11.2 (5,08)

Flange Foot Mount



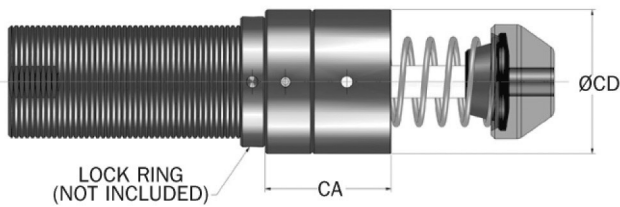
Catalog No./ Model	Part Number	Model (Ref)	Y in. (mm)	Z in. (mm)	FA in. (mm)	FB in. (mm)	FC in. (mm)	FD in. (mm)	FE in. (mm)	FG in. (mm)	FJ in. (mm)	Bolt Size in. (mm)	Kit Weight oz. (g)	Notes
FM 1 3/4 - 12	2FE2740	PMXT 1500 Series	2.38 (60,5)	1.06 (26,9)	3.75 (95,3)	3.00 (76,2)	.34 (8,60)	2.16 (55,0)	.50 (12,7)	1.16 (29,5)	.38 (9,7)	5/16	12.0 oz. (370)	-
FM M45 x 1,5	2F8637	PMXT 1500M Series										M8		-
FM 2 1/2 - 12	2FE3010	PMXT 2000 Series	3.00 (76,2)	1.56 (39,6)	5.63 (143,0)	4.88 (124,0)	.41 (10,40)	3.38 (85,6)	.63 (16,0)	1.75 (44,5)	.44 (11,2)	3/8	2.3 lbs. (1 050)	-
FM M64 x 2	2F3010	PMXT 2000M Series										M10		-

PMXT Mid-Bore Series

Accessories

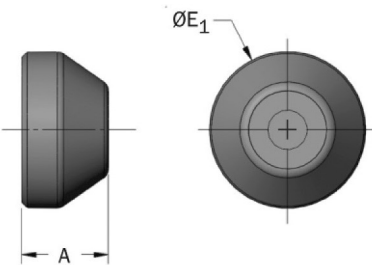
PMXT 1525 → PMXT 2150 Serie

Stop Collar (SC)



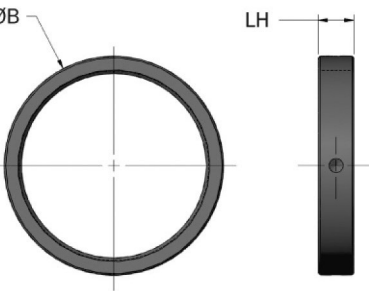
Catalog No./ Model	Part Number	Model (Ref)	CA in. (mm)	CD in. (mm)	Weight (mass) oz. (g)
SC 1 3/4 - 12	8KE2940	PMXT 1500 Series	1.94	2.22	12.0
SC M45 x 1,5	8K8637	PMXT 1500M Series	(49,0)	(56,5)	(340)
SC 2 1/2 - 12 x 2	8KE3010	PMXT 2050 / 2100 Series	2.47	3.00	23.0
SC M64 x 2 x 2	M93010057	PMXT 2050M Series	(89,0)	(76,0)	(936)
SC 2 1/2 - 12 x 6	8KE3012	PMXT 2150 Series	3.66	3.00	35.0
SC M64 x 2 x 4	M93011057	PMXT 2100M Series	(114,0)	(76,0)	(1 191)
SC M64 x 2 x 6	M93012057	PMXT 2150M Series	(143,0)	(76,0)	(1 475)

Urethane Striker Cap (USC)



Catalog No./ Model	Part Number	Model (Ref)	A in. (mm)	E1 in. (mm)	Weight (mass) oz. (g)
UC 2940	C92940079	PMXT 1500	.97 (24,5)	1.75 (44,5)	0.5 (14)
UC 3010	C93010079	PMXT 2000	.95 (24,0)	2.25 (57,0)	0.8 (23)

Lock Ring (LR)



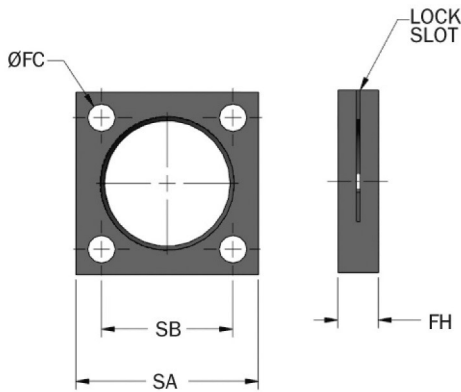
Catalog No./ Model	Part Number	Model (Ref)	B in. (mm)	LH in. (mm)	Weight (mass) oz. (g)
LR 1 3/4 - 12	F8E2940049	PMXT 1500 Series	2.00 (57,2)	.38 (9,5)	2.0 (75)
LR M45 x 1,5	F88637049	PMXT 1500M Series	(57,2)	(9,5)	(75)
LR 2 1/2 - 12	F8E3010049	PMXT 2000 Series	2.88 (72,9)	.38 (12,7)	3.0 (85)
LR M64 x 2	F83010049	PMXT 2000M Series	(72,9)	(12,7)	(85)

PMXT Mid-Bore Series

Accessories

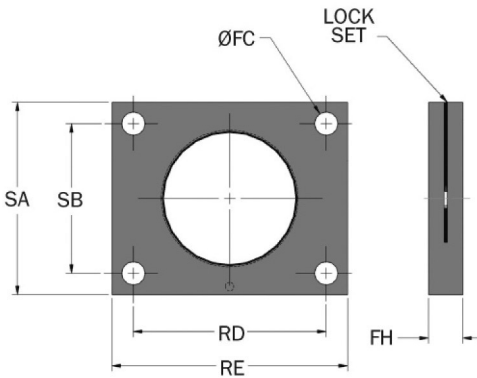
PMXT 1525 CM → PMXT 2150 CM Serie

Square Flange (SF)



Catalog No./ Model	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 1 3/4 - 12	M4E2940056	PMXT 1500 Series	.34 (8,6)	.50 (12,7)	2.25 (57,2)	1.63 (41,3)	5/16 (M8)	5 (140)
SF M45 x 1,5	M48637056	PMXT 1500M Series	(8,6)	(12,7)	(57,2)	(41,3)	(M8)	(140)
SF 2 1/2 - 12	M4E3010056	PMXT 2000 Series	.41 (10,4)	.62 (15,7)	3.50 (89,1)	2.75 (69,9)	3/8 (M10)	20 (570)
SF M64 x 2	M43010056	PMXT 2000M Series	(10,4)	(15,7)	(89,1)	(69,9)	(M10)	(570)

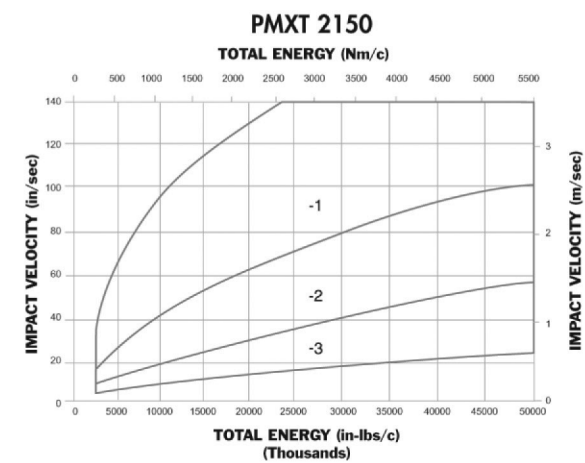
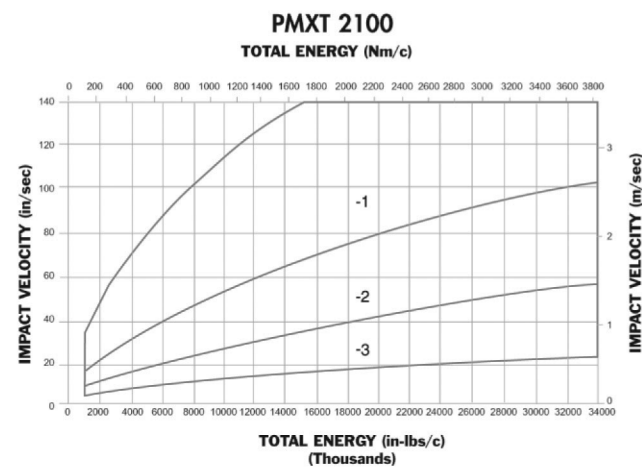
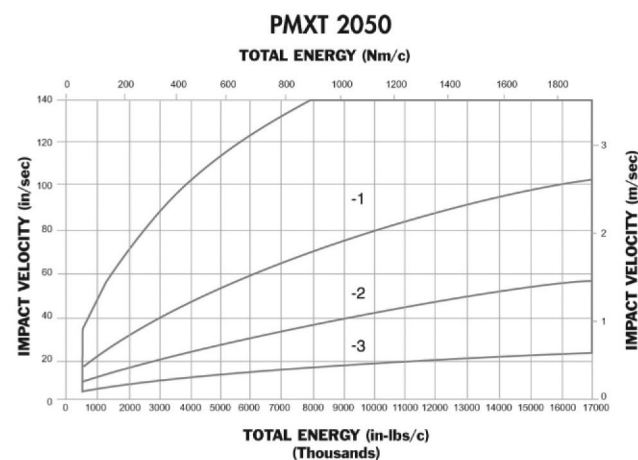
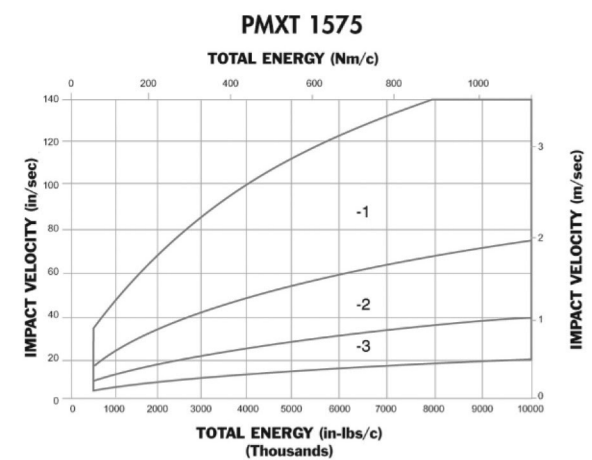
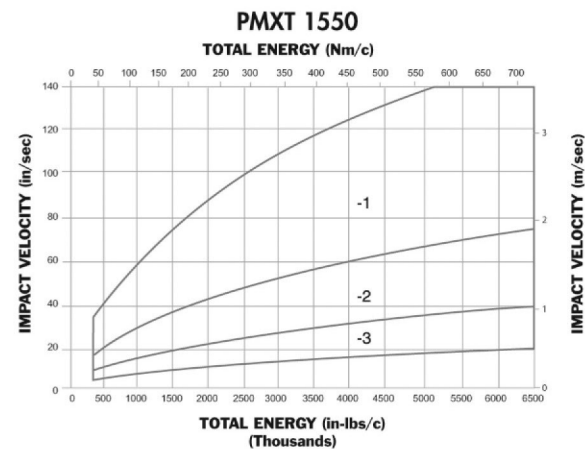
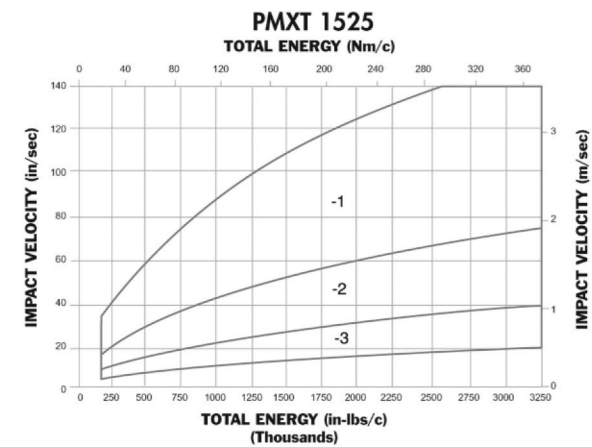
Rectangular Flange (RF)



Catalog No./ Model	Part Number	FC Model (Ref)	FH in. (mm)	RD in. (mm)	RE in. (mm)	SA in. (mm)	SB in. (mm)	Size in. (mm)	Bolt (mass) in. (mm)	Wt. oz. (g)
RF 1 3/4 - 12	M5E2940053	PMXT 1500 Series	.34 (8,6)	.50 (12,7)	2.38 (60,5)	3.00 (76,2)	2.25 (57,2)	1.63 (41,4)	5/16 (M8)	9 (260)
RF M45 x 1,5	M58637053	PMXT 1500M Series	(8,6)	(12,7)	(60,5)	(76,2)	(57,2)	(41,4)	(M8)	(260)

PM 120/125 → PMXT 2150 Serie

Sizing Curves



■ 주의 : PM Model의 최저 충돌 속도는 0.1m/sec 입니다.

Overview

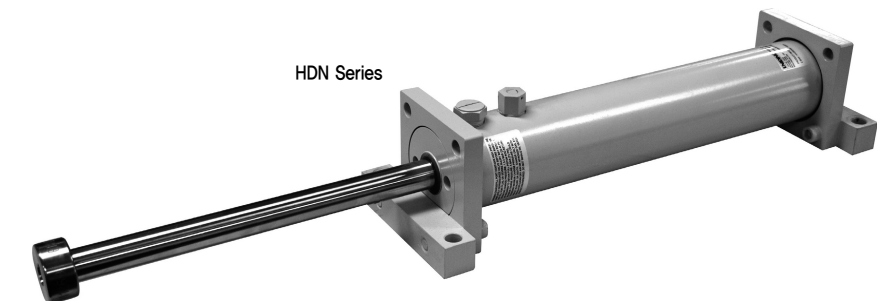
ENIDINE 사의 Heavy Duty Series는 Overhead Bridge Crane, 자동화 물류창고, 검색시스템 등 다양한 환경에서 사용되며 이때 외부로 부터 오는 큰 충격을 완화해 주고, 제품을 보호해 주는 역할을 합니다. HD가 가지고 있는 다양한 길이의 STROKE 및 감쇄특성을 바탕으로 장비의 수명을 연장시켜 준다.

HD / HDA Series

최대사용 stroke는 12inch(305mm)까지 가능하며, 속도에 따른 다이얼 조정이 가능합니다.

HDN Series

최신형의 컴퓨터를 사용한 오리피스 설계를 통하여 고객이 희망하는 요구조건을 완벽히 만족하며, 가상 시뮬레이션 데이터를 통하여 고객은 제품의 성능을 확인할 수 있다. 표준품의 경우 bore크기가 4inch(100mm)까지이며, stroke는 60inch(1524mm)까지 가능하다.



Features and Benefits HDN, HDA

- 환경 친화적인 소재와 유체로 설계되었습니다.
- 소형 디자인으로 부드럽고 안전하게 감속 시킬수 있으며, 사이클당 최대 3,000,000in-lbs(330,000Nm) 흡수시킬 수 있습니다.
- 내부에 사용되고 있는 air/oil accumulator는 스프링을 대신하여 사용되므로 전체길이를 더 짧고, 무게를 가볍게 만들었습니다.
- 선택적으로 사용할 수 있는 Bladder Accumulator(BA)는 높은 사이클에 적합합니다.
- OSHA, AISE, CMAA를 만족시키면서 안전규정인(DIN,FEM)을 만족합니다.
- 다양한 옵션 사용가능 - Bellows, clevis mount, safety cables.
- 외부 페인트 도금은 부식방지에 탁월한 성능을 발휘합니다.
- Epoxy painting과 special rod material의 사용으로 부식이 쉬운 환경에서도 사용이 가능합니다.
- 모든 제품들은 현장에서 수리가 가능합니다.
- 선택적인 유체와 실링의 사용으로 표준 온도 범위 -10°C~60°C에서 -35°C~100°C로 까지 사용가능 합니다.

