

แก๊สสปริง
GAS SPRINGS



Name	TSX Gas Spring	TSX Gas Spring	TST Gas Spring	TSM Gas Spring	TSS Gas Spring	TSL Gas Spring
Model	18TSP	18TSX	18TST	18TSM	18TSS	18TSL
Page	323-333	334-341	342-346	347-356	357-360	361-367

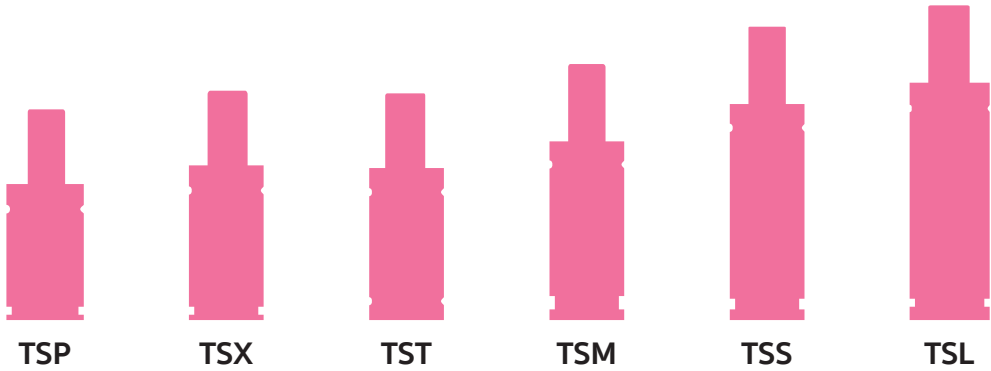


Name	Control Panel		Multi Panel	Distribution Block & Fittings
Model	18PAN3	18PAN6	18PSS	18HB / 18CB / Fitting Types
Page	368	368	369	370-372



Name	Mountings				
Model	S / X / T / M types				
Page	373-376				

 แก๊สสปริง | TOSS Gas Spring



18TSP0170	18TSX0350	18TST1000	18TSM50	18TSS0750	18TSL0500
18TSP0320	18TSX0500	18TST2400	18TSM70	18TSS1500	18TSL0750
18TSP0350	18TSX0750	18TST4200	18TSM90	18TSS3000	18TSL1500
18TSP0500	18TSX1000	18TST6600	18TSM0150	18TSS5000	18TSL3000
18TSP0750	18TSX1500	18TST9500	18TSM0300		18TSL5000
18TSP1000	18TSX2400		18TSM0500		18TSL7500
18TSP1500	18TSX4200		18TSM0750		18TSL10000
18TSP2400	18TSX6600		18TSM1500		
18TSP4200			18TSM3000		
18TSP6600			18TSM5000		
18TSP9500					

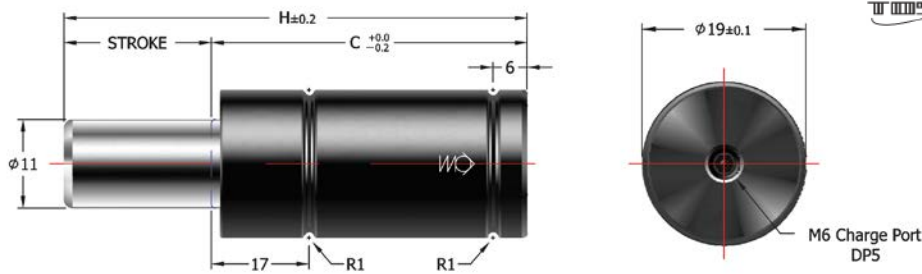
ตารางการเลือกแก๊สสปริง | Gas Spring selecting chart

Type		Model	Stroke	Body Dia	Rod Dia	Force (N)		Page
						Initial	End	
XTRA HIGH POWER		18TSP0170	7 - 125	19	11	1,700	2,800	323
		18TSP0320	7 - 125	25	15	3,200	5,500	324
		18TSP0350	10 - 125	32	16	3,600	5,400	325
		18TSP0500	10 - 125	38	20	4,700	7,200	326
		18TSP0750	10 - 125	45	25	7,400	11,700	327
		18TSP1000	13 - 125	50	28	9,200	14,900	328
		18TSP1500	13 - 125	63	36	15,200	24,100	329
		18TSP2400	16 - 125	75	45	23,500	38,400	330
		18TSP4200	16 - 125	95	60	42,200	70,900	331
		18TSP6600	16 - 125	120	75	66,000	108,700	332
		18TSP9500	20 - 125	150	90	95,000	149,100	333
STABLE XTRA HIGH POWER		18TSX0350	10 - 125	32	16	3,600	5,400	334
		18TSX0500	10 - 125	38	20	4,700	7,200	335
		18TSX0750	10 - 125	45	25	7,400	11,700	336
		18TSX1000	13 - 125	50	28	9,200	14,600	337
		18TSX1500	13 - 125	63	36	15,200	23,900	338
		18TSX2400	16 - 125	75	45	23,800	38,100	339
		18TSX4200	16 - 125	95	60	42,200	69,200	340
		18TSX6600	16 - 125	120	75	66,000	105,600	341
STABLE XTRA HIGH POWER		18TST1000	13 - 125	50	28	9,200	14,600	342
		18TST2400	16 - 125	75	45	23,800	38,100	343
		18TST4200	16 - 125	95	60	42,200	69,200	344
		18TST6600	16 - 125	120	75	66,000	105,600	345
		18TST9500	20 - 125	150	90	95,000	149,100	346
COMPACT		18TSM50	7 - 125	12	6	130 - 500	200 - 800	347
		18TSM70	7 - 125	15	7	180 - 700	200 - 1100	348
		18TSM90	7 - 125	19	8	300 - 900	400 - 1200	349
		18TSM0150	10 - 125	25	12	500 - 2000	700 - 2900	350
		18TSM0300	10 - 125	38	16	3,000	4,200	351
		18TSM0500	10 - 125	45	20	4,650	6,500	352
		18TSM0750	10 - 125	50	25	7,350	12,000	353
		18TSM1500	10 - 200	75	36	15,150	22,100	354
		18TSM3000	10 - 200	95	50	29,400	47,600	355
		18TSM5000	10 - 200	120	65	49,650	84,100	356
TOSS STANDARD		18TSS0750	10 - 200	50	25	7,350	11,800	357
		18TSS1500	10 - 300	75	36	15,150	22,000	358
		18TSS3000	10 - 300	95	50	29,400	47,000	359
		18TSS5000	10 - 300	120	65	49,650	84,300	360
ISO STANDARD		18TSL0500	10 - 160	45	20	4,650	6,200	361
		18TSL0750	10 - 300	50	25	7,350	11,500	362
		18TSL1500	10 - 300	75	36	15,150	22,100	363
		18TSL3000	10 - 300	95	50	29,400	47,300	364
		18TSL5000	10 - 300	120	65	49,650	83,900	365
		18TSL7500	15 - 300	150	80	75,300	123,900	366
		18TSL10000	20 - 300	195	95	106,200	156,600	367

แก๊สสปริง

TSP Gas Spring

Model: 18TSP0170

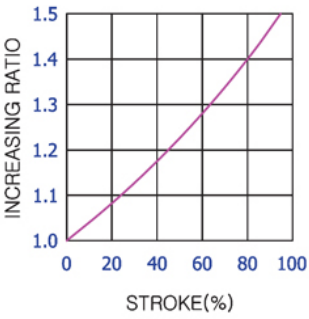
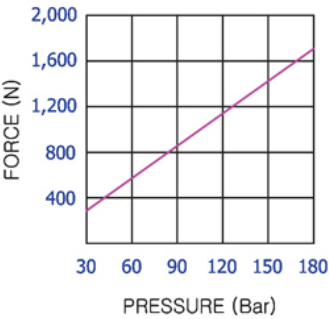


ORDER EXAMPLE	Model	S - Charging Pressure
	18TSP0170-050-180	

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ 180Bar
Charging Pressure if not mention is 180Bar

S	H	C	Force (180Bar)		Gas Volume (cm³)	Weight (kg)
			Initial (N)	End (N)		
007	44	37	1,700	2,500	2.2	0.06
010	50	40		2,500	2.9	0.06
013	56	43		2,600	3.6	0.07
016	62	46		2,600	4.4	0.07
020	70	50		2,700	5.3	0.08
025	80	55		2,700	6.5	0.08
030	90	60		2,700	7.7	0.09
035	100	65		2,700	8.9	0.10
038	106	68		2,700	9.6	0.11
040	110	70		2,700	10.1	0.11
045	120	75		2,800	11.3	0.12
050	130	80		2,800	12.5	0.12
060	150	90		2,800	14.9	0.14
063	156	93		2,800	15.6	0.14
070	175	105		2,800	17.3	0.15
075	185	110		2,800	18.5	0.15
080	195	115		2,800	19.7	0.16
090	215	125		2,800	22.1	0.18
100	235	135		2,800	24.5	0.20
125	285	160		2,800	30.4	0.22

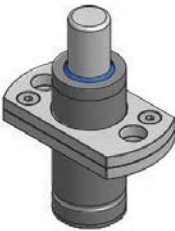
Charging Pressure



ORDER EXAMPLE	Model
	18XG0170

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18SG0170



Mounting Model:
18SC0170

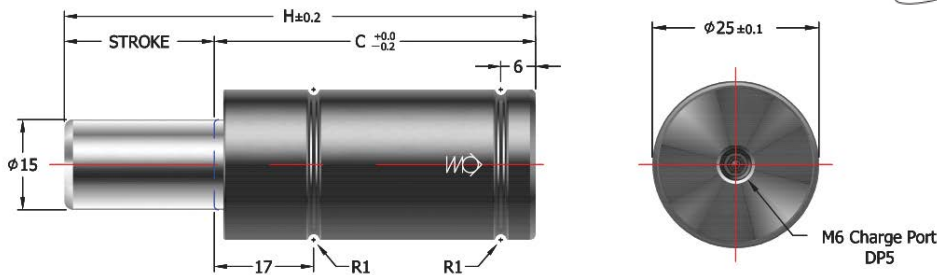


Mounting Model:
18SP0170



TSP Gas Spring

Model: 18TSP0320



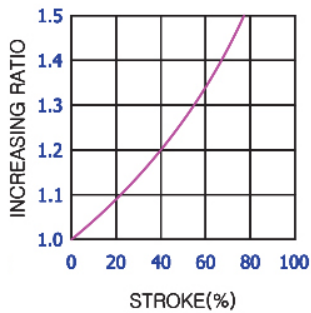
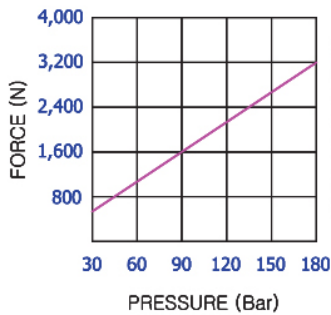
ORDER
EXAMPLE

Model S - Charging Pressure
18TSP0320-050-180

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is **180Bar**

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
007	44	37	3,200	5,000	3.7	0.09
010	50	40		5,000	4.9	0.11
013	56	43		5,100	6.2	0.11
016	62	46		5,200	7.4	0.12
020	70	50		5,200	9	0.14
025	80	55		5,300	11.1	0.15
030	90	60		5,300	13.1	0.16
035	100	65		5,400	15.2	0.18
038	106	68		5,400	16.4	0.18
040	110	70		5,400	17.2	0.19
045	120	75		5,400	19.3	0.21
050	130	80		5,400	21.3	0.22
060	150	90		5,500	25.4	0.25
063	156	93		5,500	26.6	0.26
070	175	105		5,500	29.5	0.28
075	185	110		5,500	31.6	0.28
080	195	115		5,500	33.6	0.32
090	215	125		5,500	37.7	0.33
100	235	135		5,500	41.8	0.36
125	285	160		5,500	52	0.43

Charging Pressure



ORDER
EXAMPLE

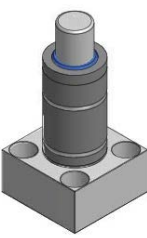
Model
18XR0320

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18XR0320(XR0150)



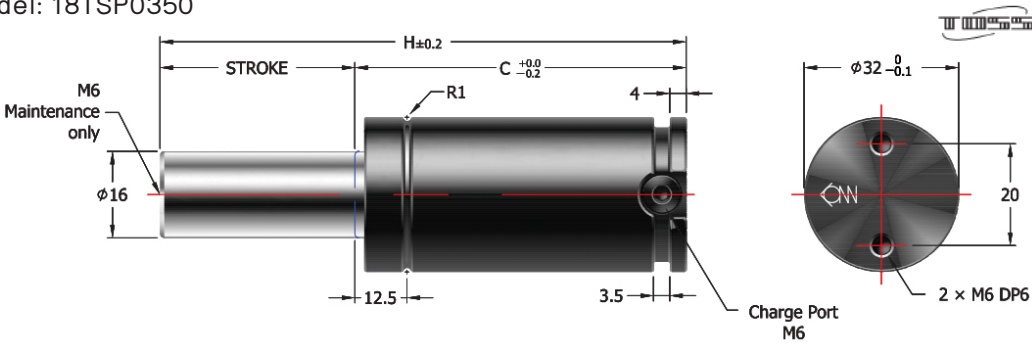
Mounting Model:
18XB0320(XB0150)



Mounting Model:
18XG0320(SG0150)



Model: 18TSP0350



ORDER
EXAMPLE

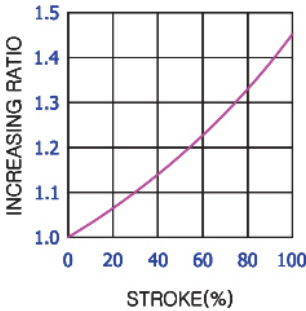
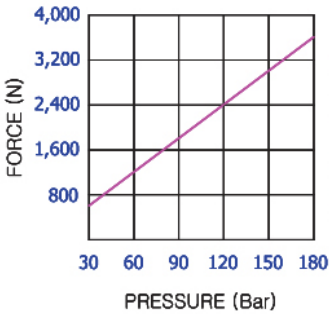
Model S - Charging Pressure
18TSP0350-050-180

⚠ ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

180Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
010	50	40	3,600	5,000	7.2	0.20
013	56	43		5,100	9.0	0.21
016	62	46		5,200	10.8	0.21
020	70	50		5,200	13.3	0.23
025	80	55		5,200	16.3	0.25
030	90	60		5,300	19.4	0.26
035	100	65		5,300	22.4	0.28
038	106	68		5,300	24.2	0.29
040	110	70		5,300	25.4	0.29
045	120	75		5,300	28.5	0.32
050	130	80		5,300	31.5	0.33
060	150	90		5,300	37.6	0.37
063	156	93		5,300	39.5	0.37
070	170	100		5,300	43.7	0.40
075	180	105		5,300	46.8	0.41
080	190	110		5,300	49.8	0.43
090	210	120		5,300	55.9	0.46
100	230	130		5,400	62.5	0.49
125	280	155		5,400	77.2	0.58

Charging Pressure

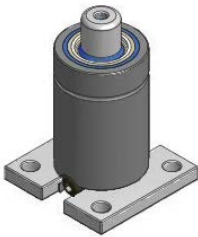


ORDER
EXAMPLE

Model
18XP0350

📄 รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18XP0350

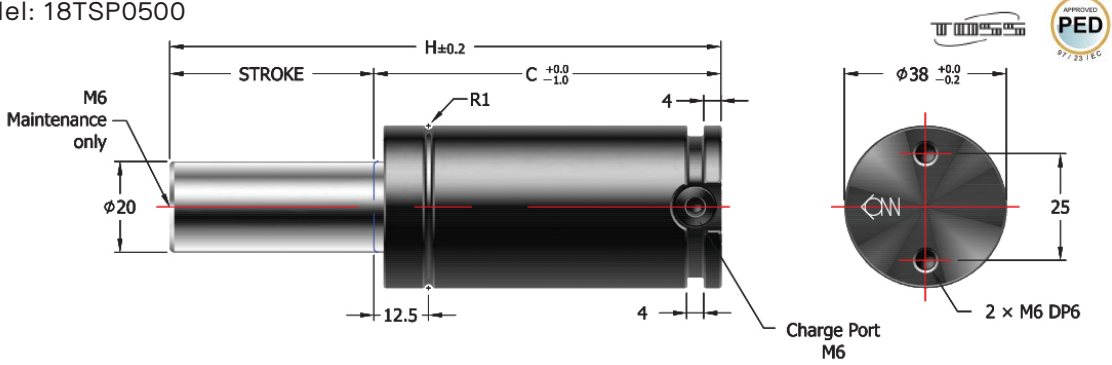


Mounting Model:
18XR0350



TSP Gas Spring

Model: 18TSP0500

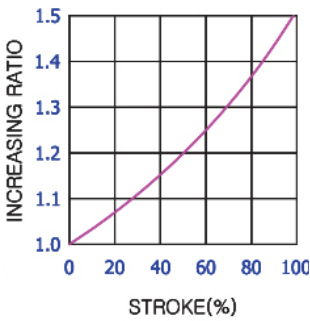
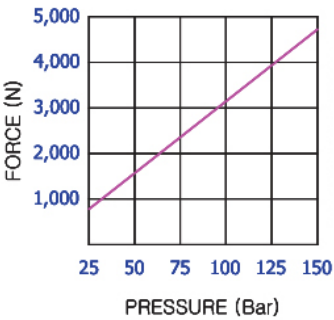


ORDER EXAMPLE	Model	S - Charging Pressure
	18TSP0500-050-150	

⚠ ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ **150Bar**
Charging Pressure if not mention is

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
010	50	40	4,700	6,700	10.4	0.26
013	56	43		6,800	13.1	0.28
016	62	46		6,900	15.7	0.29
020	70	50		7,000	19.3	0.31
025	80	55		7,000	23.7	0.33
030	90	60		7,100	28.2	0.36
035	100	65		7,100	32.6	0.38
038	106	68		7,100	35.3	0.39
040	110	70		7,100	37.0	0.41
045	120	75		7,100	41.5	0.43
050	130	80		7,200	45.9	0.46
060	150	90		7,200	54.8	0.51
063	156	93		7,200	57.4	0.52
070	170	100		7,200	63.6	0.55
075	180	105		7,200	68.1	0.57
080	190	110		7,200	72.5	0.60
090	210	120		7,200	81.4	0.65
100	230	130		7,200	90.3	0.70
125	280	155		7,200	112.4	0.82

Charging Pressure



ORDER EXAMPLE	Model
	18XP0500

📄 รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18XP0500(XP0300)



Mounting Model:
18XR0500(XR0300)



Mounting Model:
18XT0500(XT0300)



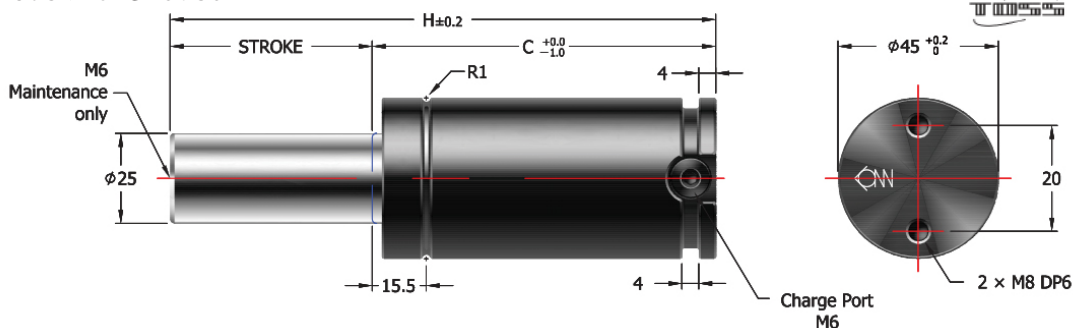
Mounting Model:
18XC0500(XC0300)



แก๊สสปริง

TSP Gas Spring

Model: 18TSP0750



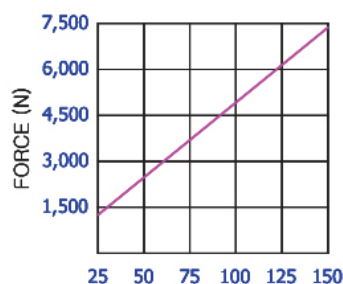
ORDER Model S - Charging Pressure
EXAMPLE 18TSP0750-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

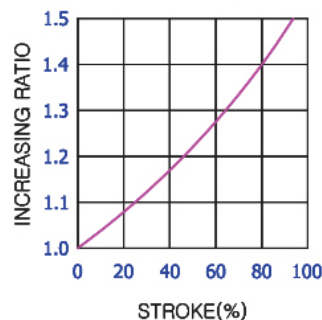
150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
010	52	42	7,400	10,600	15.9	0.40
013	58	45		10,900	19.8	0.42
016	64	48		11,000	23.7	0.44
020	72	52		11,100	28.9	0.47
025	82	57		11,300	35.4	0.50
030	92	62		11,300	41.9	0.53
035	102	67		11,400	48.4	0.56
038	108	70		11,400	52.3	0.58
040	112	72		11,400	55.0	0.59
045	122	77		11,500	61.5	0.63
050	132	82		11,500	68.0	0.66
060	152	92		11,600	81.0	0.72
063	158	95		11,600	84.9	0.74
070	172	102		11,600	94.0	0.79
075	182	107		11,600	100.5	0.82
080	192	112		11,600	107.0	0.85
090	212	122		11,600	120.0	0.92
100	232	132		11,700	133.0	0.98
125	282	157		11,700	165.6	1.14

Charging Pressure



PRESSURE (Bar)



ORDER Model
EXAMPLE 18XP0750

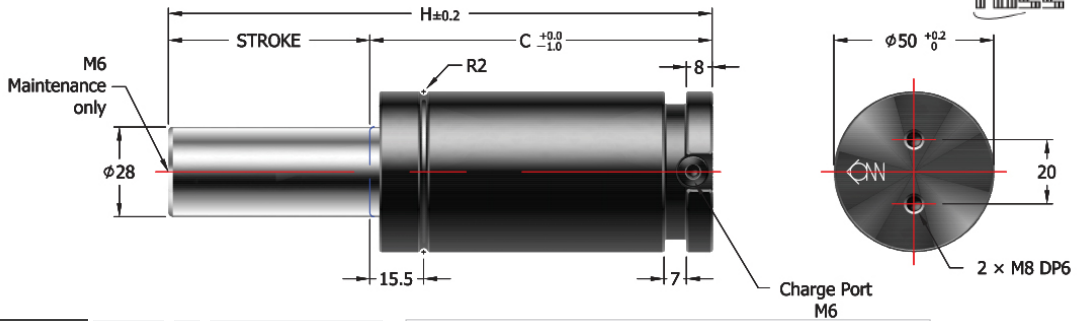
! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model: 18XP0750(SP0500) Mounting Model: 18XR0750(SR0500) Mounting Model: 18XT0750(ST0500) Mounting Model: 18XB0750(SB0500) Mounting Model: 18XP0500(XP0300)



TSP Gas Spring

Model: 18TSP1000



ORDER
EXAMPLE

Model S - Charging Pressure
18TSP1000-050-150

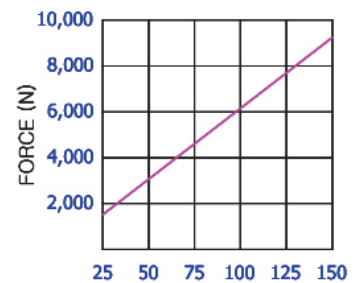


ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

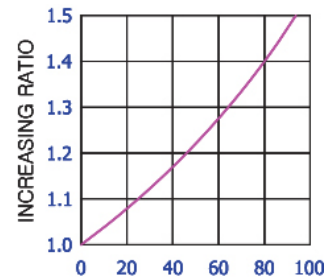
150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
013	64	51	9,200	13,300	27.3	0.58
016	70	54		13,600	32.0	0.61
020	78	58		13,800	38.3	0.64
025	88	63		14,000	46.2	0.68
030	98	68		14,200	54.0	0.72
035	108	73		14,300	61.9	0.76
038	114	76		14,400	66.6	0.78
040	118	78		14,400	69.7	0.80
045	128	83		14,500	77.6	0.80
050	138	88		14,600	85.4	0.89
060	158	98		14,600	101.1	0.96
063	164	101		14,700	105.8	0.98
070	178	108		14,700	116.8	1.04
075	188	113		14,700	124.7	1.09
080	198	118		14,800	132.5	1.12
090	218	128		14,800	148.2	1.21
100	238	138		14,900	163.8	1.29
125	288	163		14,900	203.2	1.49

Charging Pressure



PRESSURE (Bar)



STROKE(%)

ORDER
EXAMPLE

Model
18XP1000



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

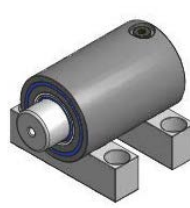
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP1000(SPO750)



Mounting Model:
18XB1000(SBO750)



Mounting Model:
18XT1000(STO750)



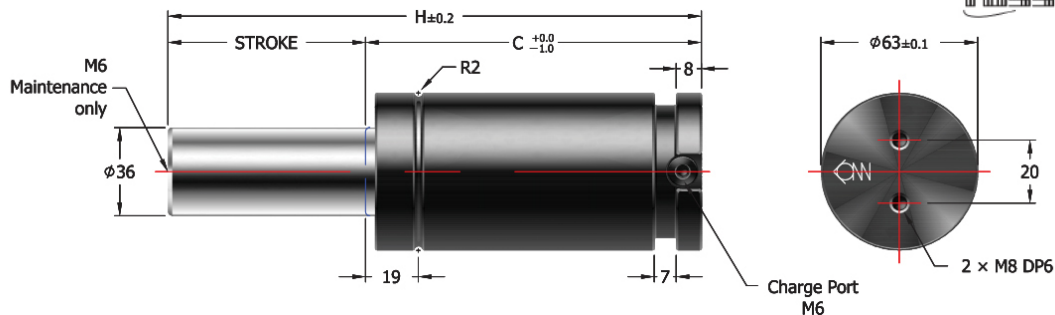
Mounting Model:
18XR1000(SRO750)



Mounting Model:
18XC1000(SCO750)



Model: 18TSP1500



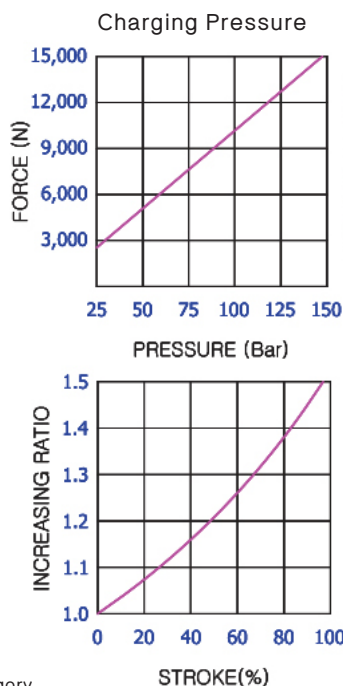
ORDER EXAMPLE Model S - Charging Pressure
18TSP1500-050-150



ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
013	70	57	15,200	20,900	48.8	1.04
016	76	60		21,400	56.8	1.08
020	84	64		21,900	67.4	1.13
025	94	69		22,300	80.7	1.20
030	104	74		22,600	93.9	1.27
035	114	79		22,900	107.2	1.34
038	120	82		23,000	115.2	1.37
040	124	84		23,000	120.5	1.40
045	134	89		23,200	133.7	1.47
050	144	94		23,300	147.0	1.58
060	164	104		23,500	173.5	1.66
063	170	107		23,600	181.5	1.71
070	184	114		23,700	200.1	1.80
075	194	119		23,800	213.3	1.87
080	204	124		23,800	226.3	1.93
090	224	134		23,900	252.9	2.07
100	244	144		24,000	279.5	2.19
125	294	169		24,100	346.0	2.53



ORDER EXAMPLE Model
18XP1500



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

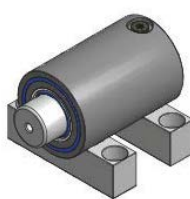
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP1500



Mounting Model:
18XB1500



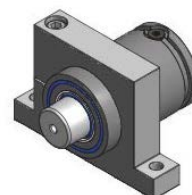
Mounting Model:
18XT1500



Mounting Model:
18XR1500

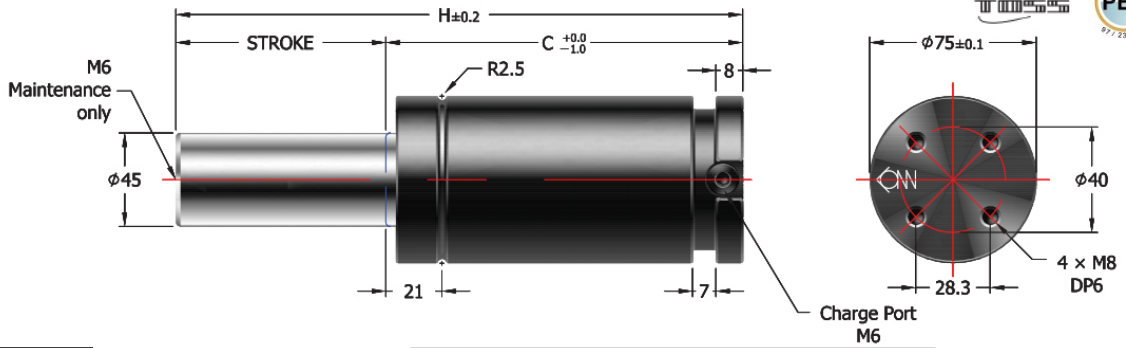


Mounting Model:
18XC1500



TSP Gas Spring

Model: 18TSP2400



ORDER
EXAMPLE

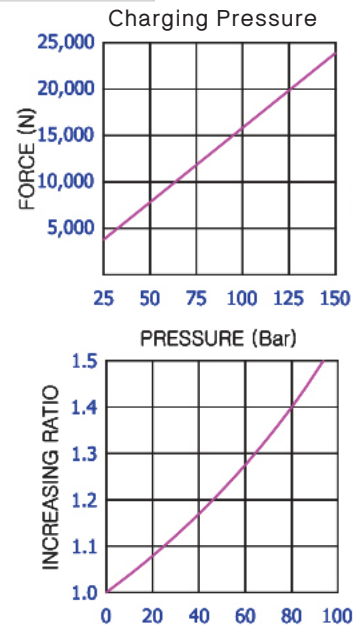
Model S - Charging Pressure
18TSP2400-050-150



ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	77	61	23,800	33,800	86.3	1.58
020	85	65		34,600	102.4	1.65
025	95	70		35,300	122.5	1.73
030	105	75		35,800	142.6	1.81
035	115	80		36,200	162.7	1.89
038	121	83		36,400	174.8	1.94
040	125	85		36,600	182.8	1.97
045	135	90		36,800	203.0	2.05
050	145	95		37,000	223.1	2.13
060	165	105		37,400	263.3	2.30
063	171	108		37,500	275.4	2.34
070	185	115		37,600	303.5	2.47
075	195	120		37,700	323.6	2.55
080	205	125		37,800	343.8	2.63
090	225	135		38,000	384.0	2.79
100	245	145		38,100	424.2	2.95
125	295	170		38,400	524.8	3.37



ORDER
EXAMPLE

Model
18XP2400



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

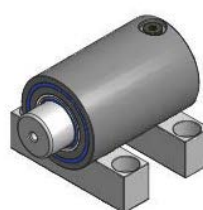
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP2400(SP1500)



Mounting Model:
18XB2400(SB1500)



Mounting Model:
18XT2400(ST1500)



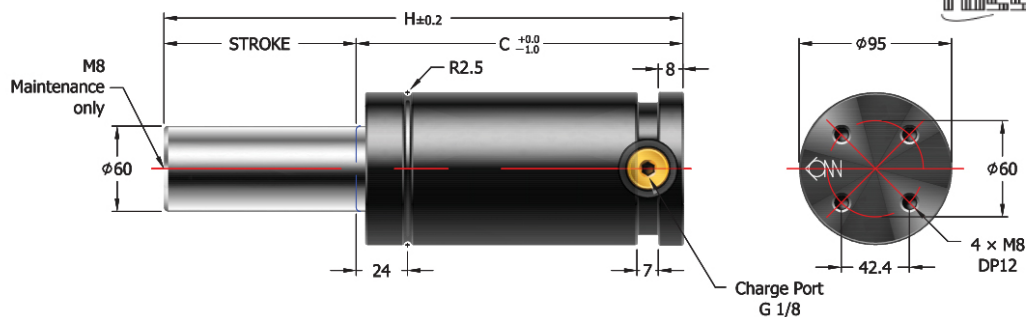
Mounting Model:
18XR2400(SR1500)



Mounting Model:
18XC2400(SC1500)



Model: 18TSP4200

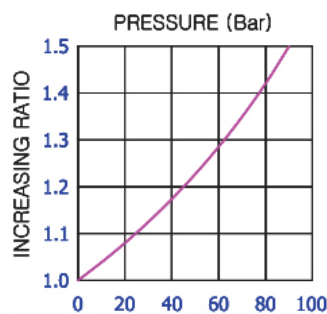
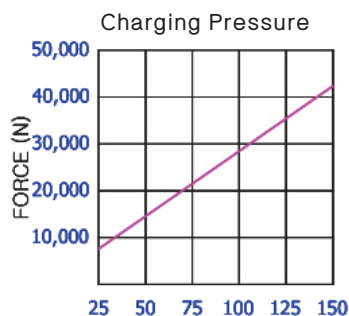


ORDER Model S - Charging Pressure
EXAMPLE 18TSP4200-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

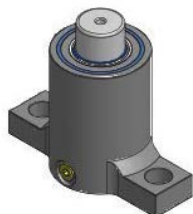
S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	90	74	42,200	60,600	150.5	3.21
020	98	78		62,300	177.8	3.32
025	108	83		63,800	212.0	3.46
030	118	88		65,000	246.2	3.60
035	128	93		65,900	280.3	3.75
038	134	96		66,400	300.8	3.82
040	138	98		66,600	314.5	3.88
045	148	103		67,200	348.7	4.02
050	158	108		67,700	382.8	4.16
060	178	118		68,500	451.2	4.44
063	184	121		68,700	471.7	4.52
070	198	128		69,100	519.5	4.72
075	208	133		69,400	553.6	4.86
080	218	138		69,600	587.8	5.00
090	238	148		70,000	656.1	5.27
100	258	158		70,300	724.5	5.56
125	308	183		70,900	895.3	6.25



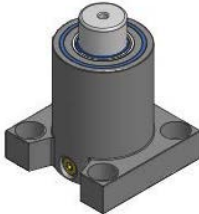
ORDER Model
EXAMPLE 18XP4200

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

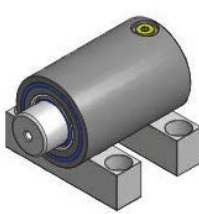
Mounting Model:
18MD



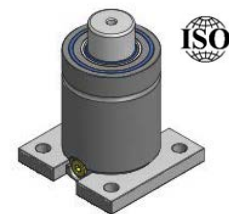
Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP4200(SP3000)



Mounting Model:
18XB4200(SB3000)



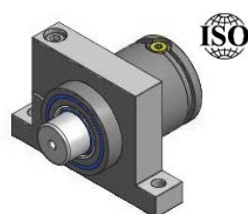
Mounting Model:
18XT4200(ST3000)



Mounting Model:
18XR4200(SR3000)

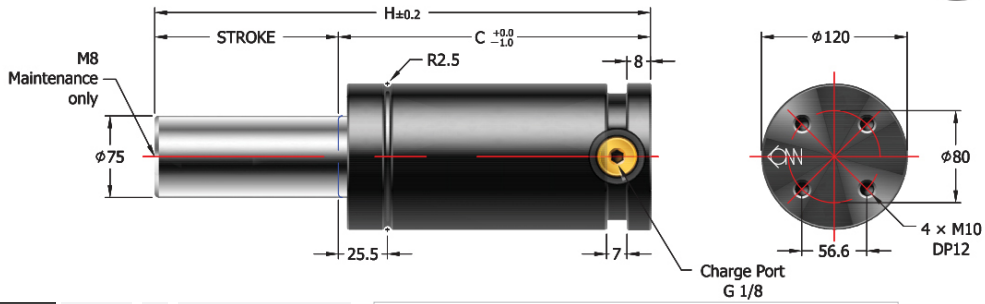


Mounting Model:
18XC4200(SC3000)



TSP Gas Spring

Model: 18TSP6600



ORDER
EXAMPLE

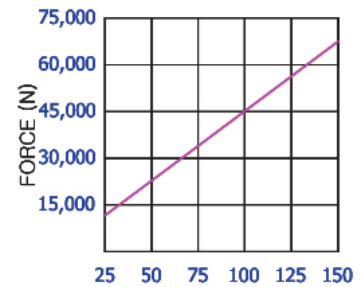
Model S - Charging Pressure
18TSP6600-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

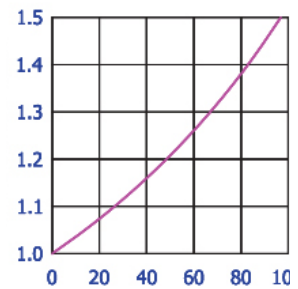
150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	100	84	66,000	91,900	272.3	6.01
020	108	88		93,700	315.7	6.19
025	118	93		96,200	370.1	6.42
030	128	98		98,200	424.4	6.65
035	138	103		99,700	478.7	6.87
038	144	106		100,500	511.3	7.01
040	148	108		101,000	533.1	7.11
045	158	113		102,100	587.4	7.33
050	168	118		103,000	641.8	7.56
060	188	128		104,400	750.4	8.01
063	194	131		104,800	783.0	8.15
070	208	138		105,500	859.1	8.47
075	218	143		105,900	913.4	8.70
080	228	148		106,400	967.8	8.93
090	248	158		107,100	1076.5	9.38
100	268	168		107,600	1185.1	9.84
125	318	193		108,700	1456.8	10.98

Charging Pressure



PRESSURE (Bar)



STROKE(%)

ORDER
EXAMPLE

Model
18XP6600

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

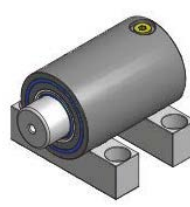
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP6600(SP5000)



Mounting Model:
18XB6600(SB5000)



Mounting Model:
18XT6600(ST5000)



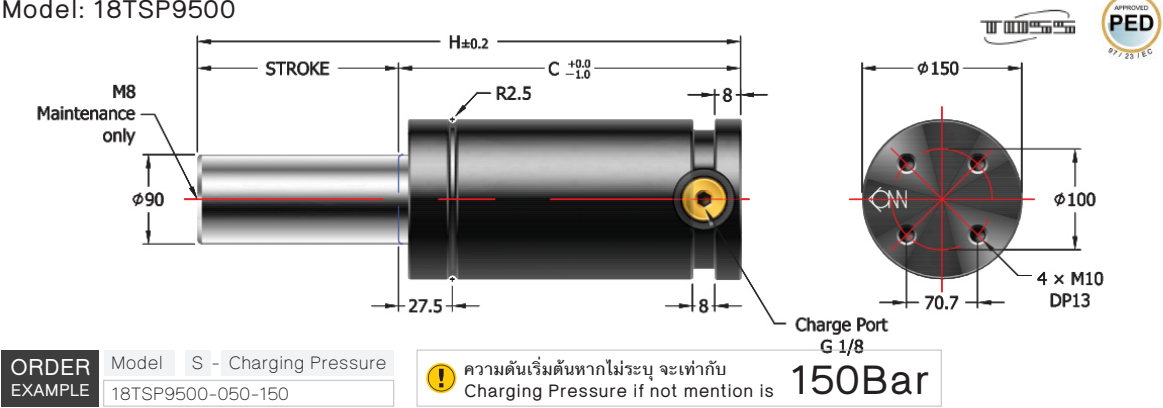
Mounting Model:
18XR6600(SR5000)



Mounting Model:
18XC6600(SC5000)



Model: 18TSP9500

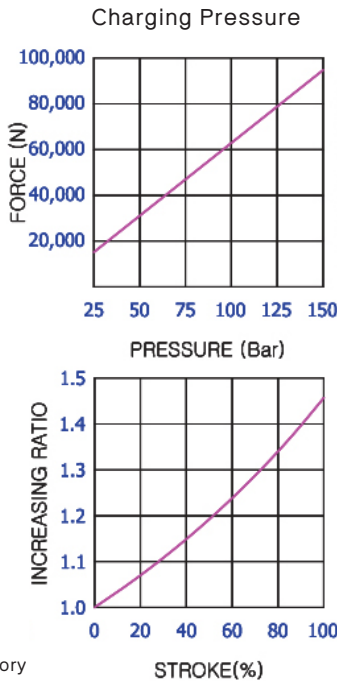


ORDER	Model	S - Charging Pressure
EXAMPLE	18TSP9500-050-150	

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ Charging Pressure if not mention is

150Bar

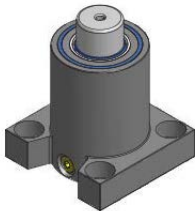
S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
020	118	98	95,000	127,600	509.9	10.78
025	128	103		131,000	591.6	11.10
030	138	108		133,700	673.3	11.60
035	148	113		135,900	755.0	12.84
038	154	116		137,000	804.0	13.18
040	158	118		137,700	836.6	13.24
045	168	123		139,200	918.3	14.48
050	178	128		140,500	1000.0	14.70
060	198	138		142,600	1163.3	15.50
063	204	141		143,100	1212.3	15.64
070	218	148		144,200	1326.7	16.20
075	228	153		144,900	1408.4	17.30
080	238	158		145,500	1490.0	18.10
090	258	168		146,500	1653.4	19.60
100	278	178		147,400	1816.7	20.44
125	328	203		149,100	2225.1	21.20



ORDER	Model
EXAMPLE	18XP9500

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้ Mounting specification please see at the back of this category

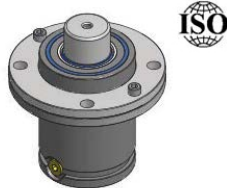
Mounting Model: 18MS



Mounting Model: 18XB9500(SB7500)



Mounting Model: 18XR9500(SR7500)



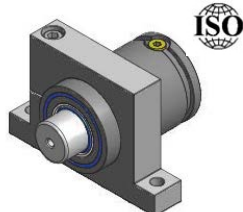
Mounting Model: 18XT9500(ST7500)



Mounting Model: 18XP9500(SP7500)

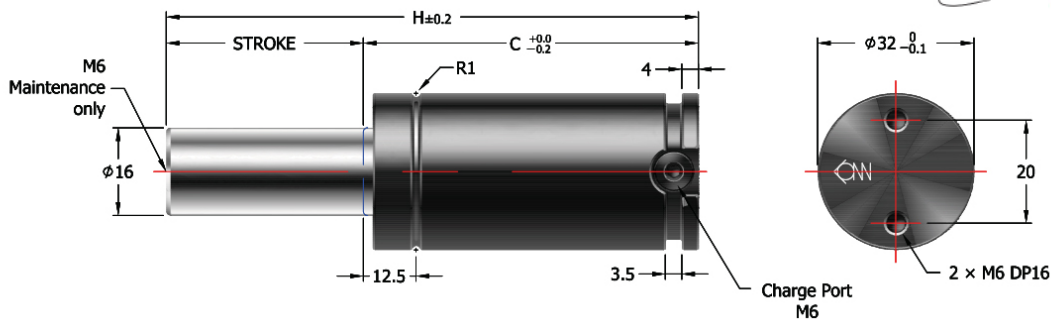


Mounting Model: 18XC9500(SC7500)



TSX Gas Spring

Model: 18TSX0350



ORDER
EXAMPLE

Model S - Charging Pressure
18TSX0350-050-180

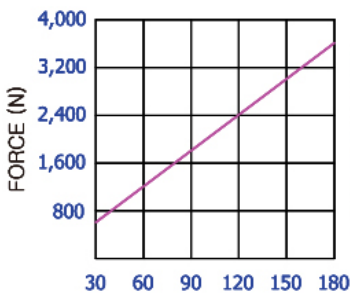


ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

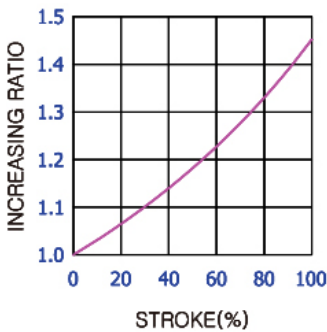
180Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
010	60	50	3,600	5,000	7.2	0.26
013	66	53		5,100	9.0	0.27
016	72	56		5,200	10.8	0.27
020	80	60		5,200	13.3	0.29
025	90	65		5,200	16.3	0.31
030	100	70		5,300	19.4	0.32
035	110	75		5,300	22.4	0.34
038	116	78		5,300	24.2	0.35
040	120	80		5,300	25.4	0.35
045	130	85		5,300	28.5	0.38
050	140	90		5,300	31.5	0.39
060	160	100		5,300	37.6	0.43
063	166	103		5,300	39.5	0.43
070	180	110		5,300	43.7	0.46
075	190	115		5,300	46.8	0.47
080	200	120		5,300	49.8	0.49
090	220	130		5,300	55.9	0.52
100	240	140		5,400	62.5	0.55
125	290	165		5,400	77.2	0.64

Charging Pressure



PRESSURE (Bar)



STROKE(%)

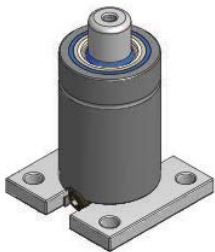
ORDER
EXAMPLE

Model
18XP0350



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model:
18XP0350



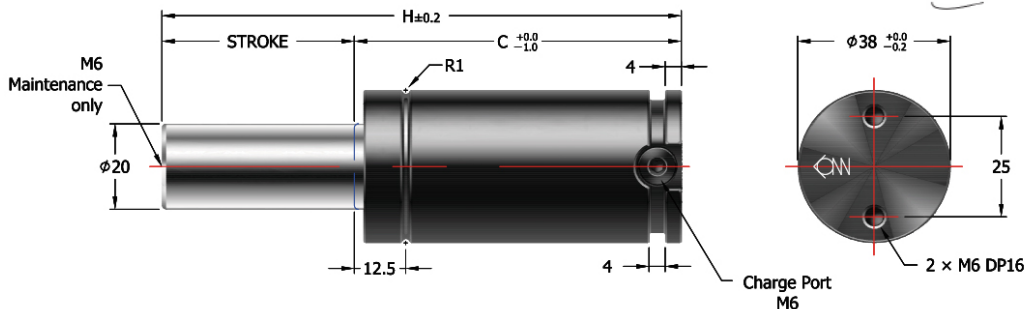
Mounting Model:
18XR0350



แก๊สสปริง

TSX Gas Spring

Model: 18TSX0500



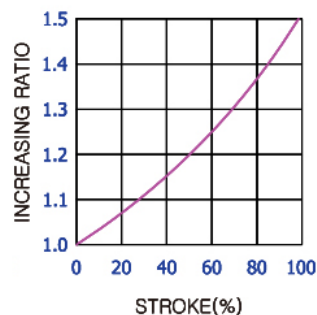
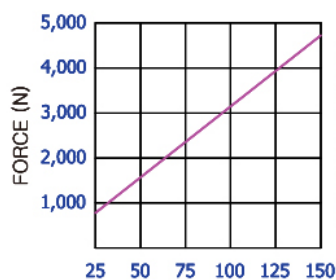
ORDER EXAMPLE Model S - Charging Pressure
18TSX0500-050-150

⚠ ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
010	60	50	4,700	6,700	10.4	0.35
013	66	53		6,800	13.1	0.37
016	72	56		6,900	15.7	0.38
020	80	60		7,000	19.3	0.40
025	90	65		7,000	23.7	0.42
030	100	70		7,100	28.2	0.45
035	110	75		7,100	32.6	0.47
038	116	78		7,100	35.3	0.48
040	120	80		7,100	37.0	0.50
045	130	85		7,100	41.5	0.52
050	140	90		7,200	45.9	0.55
060	160	100		7,200	54.8	0.60
063	166	103		7,200	57.4	0.61
070	180	110		7,200	63.6	0.64
075	190	115		7,200	68.1	0.66
080	200	120		7,200	72.5	0.69
090	220	130		7,200	81.4	0.74
100	240	140		7,200	90.3	0.79
125	290	165		7,200	112.4	0.91

Charging Pressure



ORDER EXAMPLE Model
18XP0500

📄 รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model:
18XP0500(XP0300)



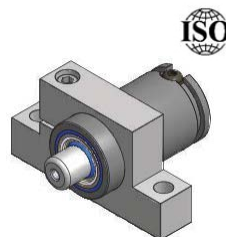
Mounting Model:
18XR0500(XR0300)



Mounting Model:
18XT0500(XT0300)

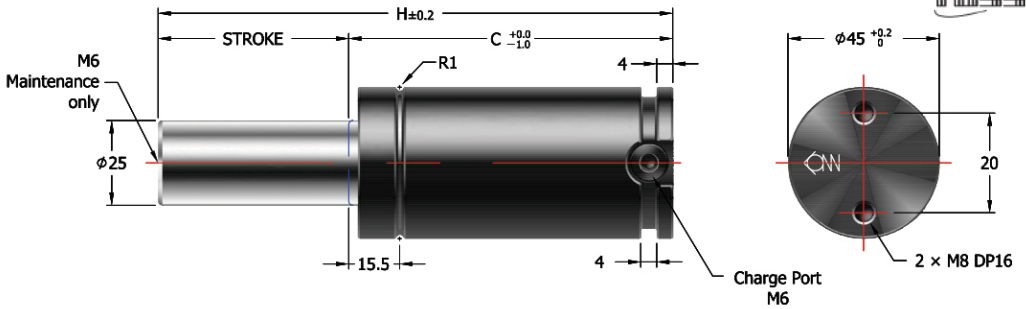


Mounting Model:
18XC0500(XC0300)



TSX Gas Spring

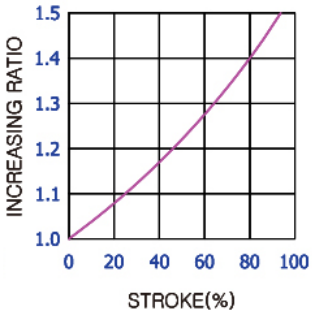
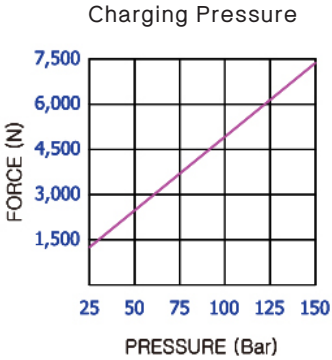
Model: 18TSX0750



ORDER EXAMPLE Model S - Charging Pressure 18TSX0750-050-150

⚠ ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ 150Bar
Charging Pressure if not mention is 150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
010	67	57	7,400	10,200	17.9	0.55
013	73	60		10,500	21.8	0.57
016	79	63		10,600	25.7	0.59
020	87	67		10,800	30.9	0.62
025	97	72		11,000	37.4	0.65
030	107	77		11,100	43.9	0.68
035	117	82		11,200	50.4	0.71
038	123	85		11,300	54.3	0.73
040	127	87		11,300	57.0	0.74
045	137	92		11,300	63.5	0.78
050	147	97		11,400	70.0	0.81
060	167	107		11,500	83.0	0.87
063	173	110		11,500	86.9	0.89
070	187	117		11,500	96.0	0.94
075	197	122		11,500	102.5	0.97
080	207	127		11,600	109.0	1.00
090	227	137		11,600	122.0	1.07
100	247	147		11,600	135.0	1.13
125	297	172		11,700	167.6	1.29



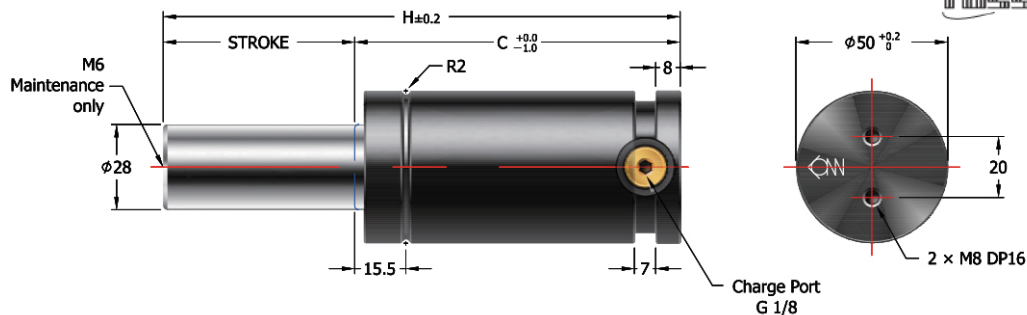
ORDER EXAMPLE Model 18XP0750

ⓘ รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model: 18XP0750(SP0500) Mounting Model: 18XR0750(SR0500) Mounting Model: 18XT0750(ST0500) Mounting Model: 18XB0750(SB0500) Mounting Model: 18XC0750(SC0500)



Model: 18TSX1000

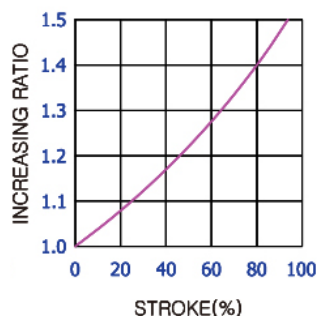
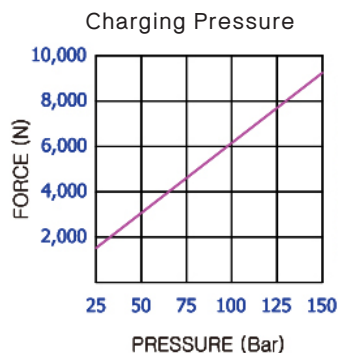


ORDER EXAMPLE Model - S - Charging Pressure
18TSX1000-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
013	78	65	9,200	12,200	32.7	0.71
016	84	68		12,500	37.4	0.74
020	92	72		12,800	43.7	0.77
025	102	77		13,200	51.6	0.81
030	112	82		13,400	59.4	0.65
035	122	87		13,600	67.3	0.89
038	128	90		13,700	72.0	0.91
040	132	92		13,700	75.1	0.93
045	142	97		13,900	83.0	0.97
050	152	102		14,000	90.8	1.02
060	172	112		14,100	106.5	1.09
063	178	115		14,200	111.2	1.11
070	192	122		14,300	122.2	1.17
075	202	127		14,300	130.1	1.22
080	212	132		14,400	137.9	1.25
090	232	142		14,400	153.6	1.34
100	252	152		14,500	169.2	1.42
125	302	177		14,600	208.6	1.62



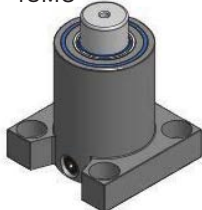
ORDER EXAMPLE Model
18XP1000

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

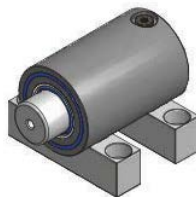
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP1000(SP0750)



Mounting Model:
18XB1000(SB0750)



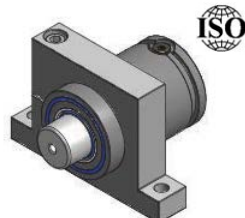
Mounting Model:
18XT1000(ST0750)



Mounting Model:
18XR1000(SR0750)

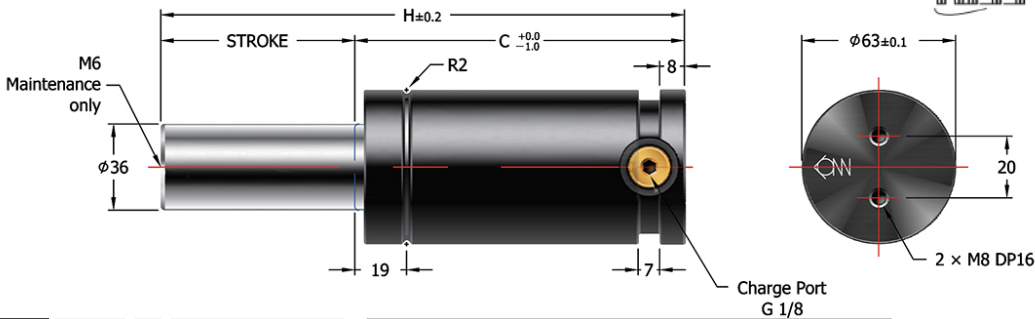


Mounting Model:
18XC1000(SC0750)



TSX Gas Spring

Model: 18TSX1500



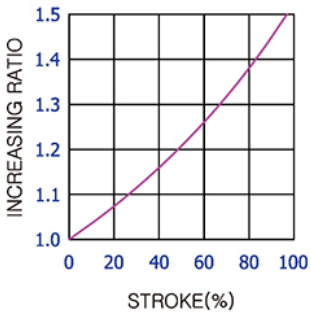
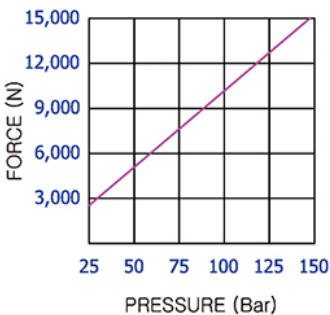
ORDER EXAMPLE Model - S - Charging Pressure
18TSX1500-050-150

⚠ ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
013	78	65	15,200	20,500	50.7	1.20
016	84	68		21,000	58.7	1.24
020	92	72		21,500	69.3	1.29
025	102	77		21,900	82.6	1.36
030	112	82		22,200	95.8	1.43
035	122	87		22,500	109.1	1.50
038	128	90		22,600	117.1	1.53
040	132	92		22,700	122.4	1.56
045	142	97		22,900	135.6	1.63
050	152	102		23,000	148.9	1.74
060	172	112		23,200	175.4	1.82
063	178	115		23,300	183.4	1.87
070	192	122		23,400	202.0	1.96
075	202	127		23,500	215.2	2.03
080	212	132		23,500	228.2	2.09
090	232	142		23,600	254.8	2.23
100	252	152		23,700	281.4	2.35
125	302	177		23,900	347.9	2.69

Charging Pressure



ORDER EXAMPLE Model
18XP1500

ⓘ รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

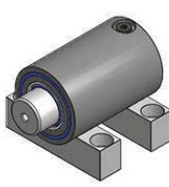
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP1500



Mounting Model:
18XB1500



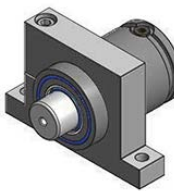
Mounting Model:
18XT1500

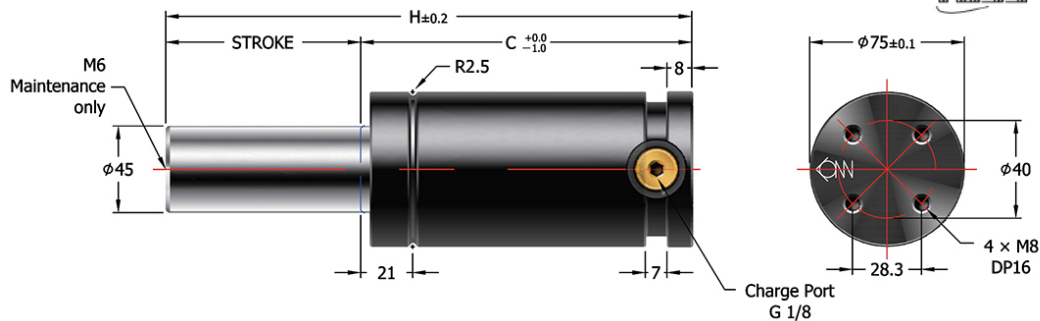


Mounting Model:
18XR1500



Mounting Model:
18XC1500





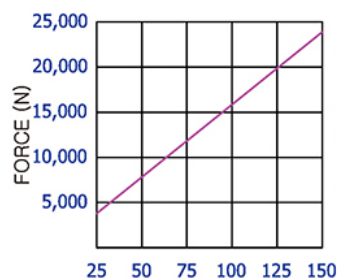
ORDER EXAMPLE Model - S - Charging Pressure
18TSX2400-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

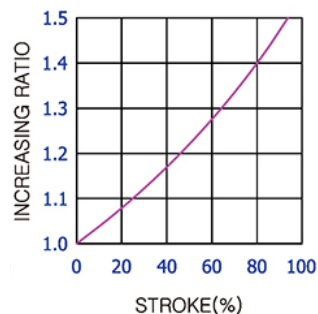
150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	91	75	23,800	33,000	91.5	1.96
020	99	79		33,800	107.6	2.03
025	109	84		34,600	127.7	2.11
030	119	89		35,100	147.8	2.19
035	129	94		35,600	167.9	2.27
038	135	97		35,800	180.0	2.32
040	139	99		36,000	188.0	2.35
045	149	104		36,300	208.2	2.43
050	159	109		36,500	228.3	2.51
060	179	119		36,900	268.5	2.68
063	185	122		37,000	280.6	2.72
070	199	129		37,200	308.7	2.85
075	209	134		37,300	328.8	2.93
080	219	139		37,400	349.0	3.01
090	239	149		37,600	389.2	3.17
100	259	159		37,800	429.4	3.33
125	309	184		38,100	530.0	3.75

Charging Pressure



PRESSURE (Bar)



STROKE(%)

ORDER EXAMPLE Model
18XP2400

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

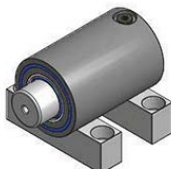
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP2400(SP1500)



Mounting Model:
18XB2400(SB1500)



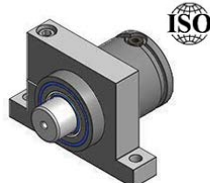
Mounting Model:
18XT2400(ST1500)



Mounting Model:
18XR2400(SR1500)

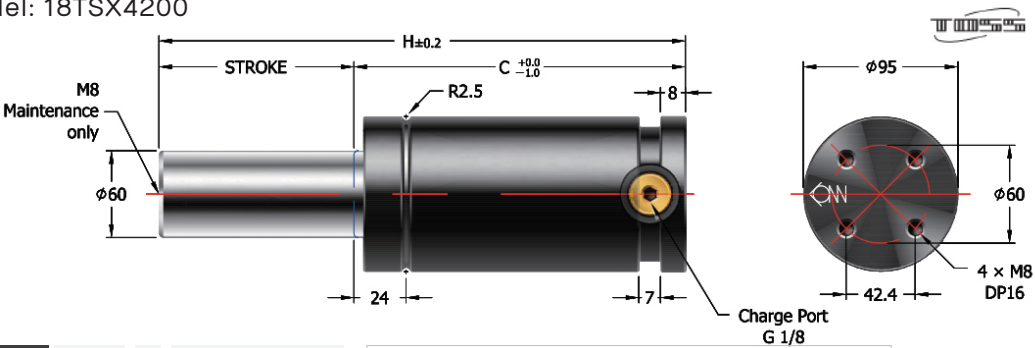


Mounting Model:
18XC2400(SC1500)



TSX Gas Spring

Model: 18TSX4200

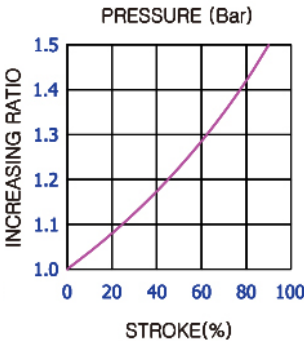
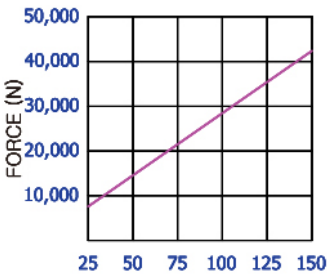


ORDER EXAMPLE Model - S - Charging Pressure
18TSX4200-050-150

! ความดันเริ่มดันหากไม่ระบุ จะเท่ากับ 150Bar
Charging Pressure if not mention is 150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	94	78	42,200	59,000	158.4	3.27
020	102	82		60,600	185.7	3.38
025	112	87		62,100	219.9	3.52
030	122	92		63,300	254.1	3.66
035	132	97		64,200	288.2	3.81
038	138	100		64,600	308.7	3.88
040	142	102		64,900	322.4	3.94
045	152	107		65,500	356.6	4.08
050	162	112		66,000	390.7	4.22
060	182	122		66,800	459.1	4.50
063	188	125		67,000	479.6	4.58
070	202	132		67,400	527.4	4.78
075	212	137		67,700	561.5	4.92
080	222	142		67,900	595.7	5.06
090	242	152		68,300	664.0	5.33
100	262	162		68,600	732.4	5.62
125	312	187		69,200	903.2	6.31

Charging Pressure



ORDER EXAMPLE Model
18XP4200

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

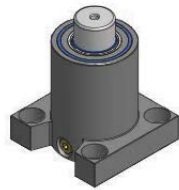
Mounting Model:
18MD



Mounting Model:
18XB4200(SB3000)



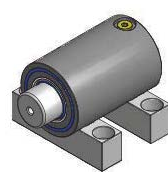
Mounting Model:
18MS



Mounting Model:
18XT4200(ST3000)



Mounting Model:
18MK



Mounting Model:
18XR4200(SR3000)



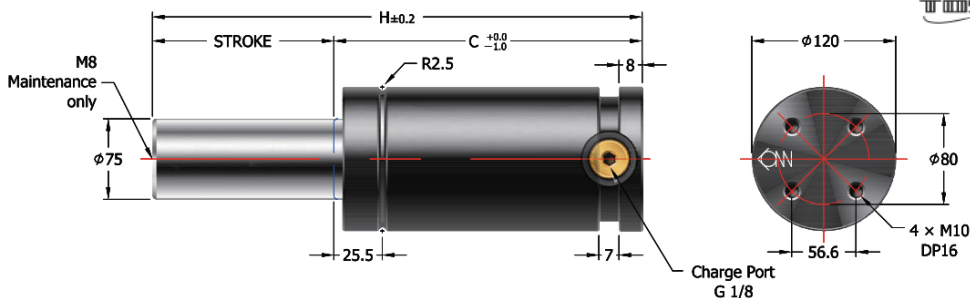
Mounting Model:
18XP4200(SP3000)



Mounting Model:
18XC4200(SC3000)



Model: 18TSX6600



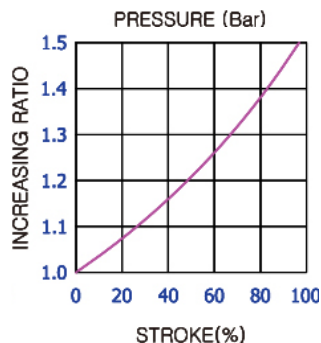
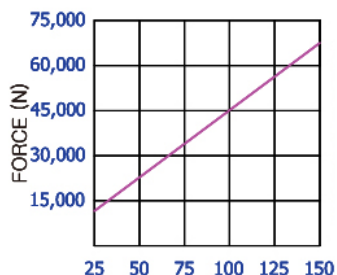
ORDER EXAMPLE Model - S - Charging Pressure
18TSX6600-050-150

⚠ ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	104	88	66,000	87,600	285.7	6.11
020	112	92		90,200	329.1	6.29
025	122	97		92,600	383.5	6.52
030	132	102		94,600	437.8	6.75
035	142	107		96,200	492.1	6.97
038	148	110		97,000	524.7	7.11
040	152	112		97,500	546.5	7.21
045	162	117		98,600	600.8	7.43
050	172	122		99,500	655.2	7.66
060	192	132		101,000	763.8	8.11
063	198	135		101,400	796.4	8.25
070	212	142		102,100	872.5	8.57
075	222	147		102,600	926.8	8.80
080	232	152		103,100	981.2	9.03
090	252	162		103,800	1089.9	9.48
100	272	172		104,400	1198.5	9.94
125	322	197		105,600	1470.2	11.08

Charging Pressure



ORDER EXAMPLE Model
18XP6600

📄 รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

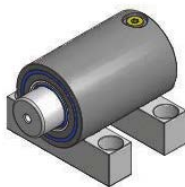
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18XP6600(SP5000)



Mounting Model:
18XB6600(SB5000)



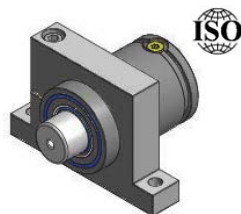
Mounting Model:
18XT6600(ST5000)



Mounting Model:
18XR6600(SR5000)

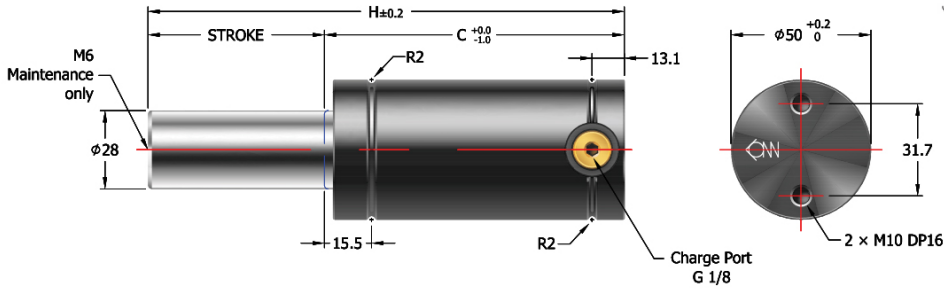


Mounting Model:
18XC6600(SC5000)



TST Gas Spring

Model: 18TST1000



ORDER
EXAMPLE

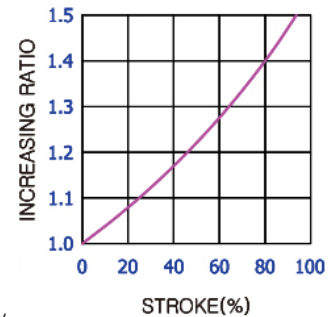
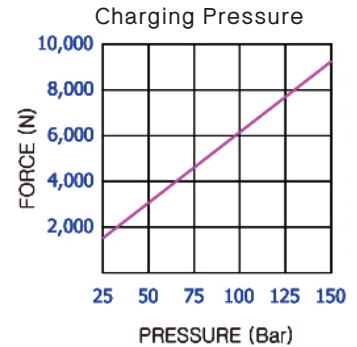
Model - S - Charging Pressure
18TST1000-050-150



! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
013	78	65	9,200	12,200	32.7	0.71
016	84	68		12,500	37.4	0.74
020	92	72		12,800	43.7	0.77
025	102	77		13,200	51.6	0.81
030	112	82		13,400	59.4	0.65
035	122	87		13,600	67.3	0.89
038	128	90		13,700	72.0	0.91
040	132	92		13,700	75.1	0.93
045	142	97		13,900	83.0	0.97
050	152	102		14,000	90.8	1.02
060	172	112		14,100	106.5	1.09
063	178	115		14,200	111.2	1.11
070	192	122		14,300	122.2	1.17
075	202	127		14,300	130.1	1.22
080	212	132		14,400	137.9	1.25
090	232	142		14,400	153.6	1.34
100	252	152		14,500	169.2	1.42
125	302	177		14,600	208.6	1.62



ORDER
EXAMPLE

Model
18TB1000



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

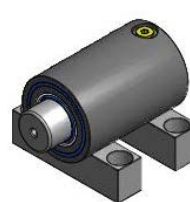
Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18TB1000



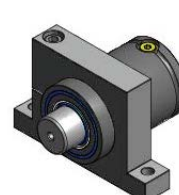
Mounting Model:
18XT1000(ST0750)



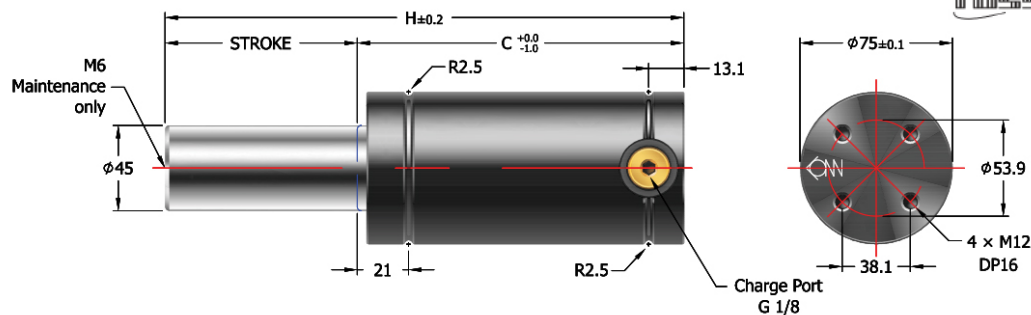
Mounting Model:
18XR1000(SR0750)



Mounting Model:
18XC1000(SC0750)



Model: 18TST2400

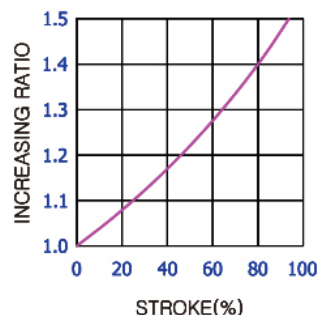
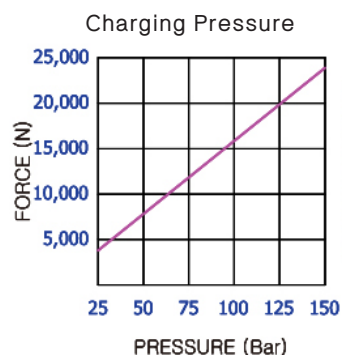


ORDER EXAMPLE Model - S - Charging Pressure
18TST2400-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
013	78	65	23,800	12,200	32.7	0.71
016	84	68		12,500	37.4	0.74
020	92	72		12,800	43.7	0.77
025	102	77		13,200	51.6	0.81
030	112	82		13,400	59.4	0.65
035	122	87		13,600	67.3	0.89
038	128	90		13,700	72.0	0.91
040	132	92		13,700	75.1	0.93
045	142	97		13,900	83.0	0.97
050	152	102		14,000	90.8	1.02
060	172	112		14,100	106.5	1.09
063	178	115		14,200	111.2	1.11
070	192	122		14,300	122.2	1.17
075	202	127		14,300	130.1	1.22
080	212	132		14,400	137.9	1.25
090	232	142		14,400	153.6	1.34
100	252	152		14,500	169.2	1.42
125	302	177		14,600	208.6	1.62



ORDER EXAMPLE Model
18TB2400

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18TB2400



Mounting Model:
18XT2400(ST1500)



Mounting Model:
18XR2400(SR1500)

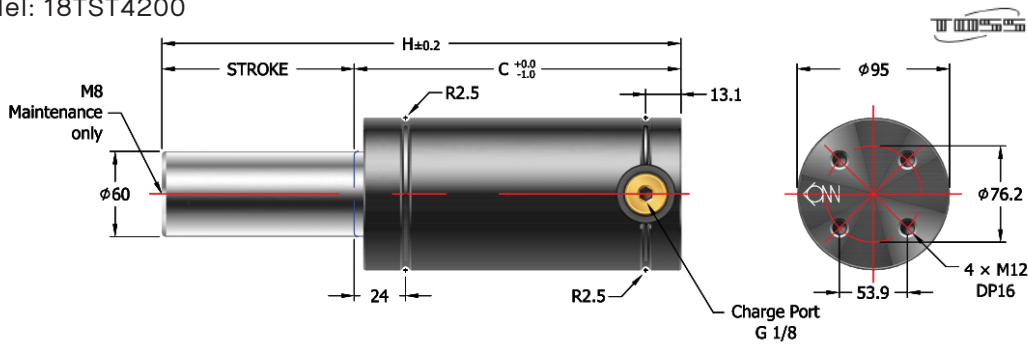


Mounting Model:
18XC2400(SC1500)



TST Gas Spring

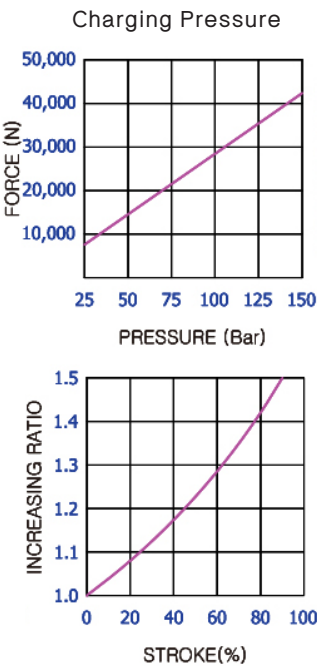
Model: 18TST4200



ORDER EXAMPLE Model - S - Charging Pressure
18TST4200-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ 150Bar
Charging Pressure if not mention is 150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	94	78	42,200	59,000	158.4	3.27
020	102	82		60,600	185.7	3.38
025	112	87		62,100	219.9	3.52
030	122	92		63,300	254.1	3.66
035	132	97		64,200	288.2	3.81
038	138	100		64,600	308.7	3.88
040	142	102		64,900	322.4	3.94
045	152	107		65,500	356.6	4.08
050	162	112		66,000	390.7	4.22
060	182	122		66,800	459.1	4.50
063	188	125		67,000	479.6	4.58
070	202	132		67,400	527.4	4.78
075	212	137		67,700	561.5	4.92
080	222	142		67,900	595.7	5.06
090	242	152		68,300	664.0	5.33
100	262	162		68,600	732.4	5.62
125	312	187		69,200	903.2	6.31



ORDER EXAMPLE Model 18TB4200

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18TB4200



Mounting Model:
18XT4200(ST3000)



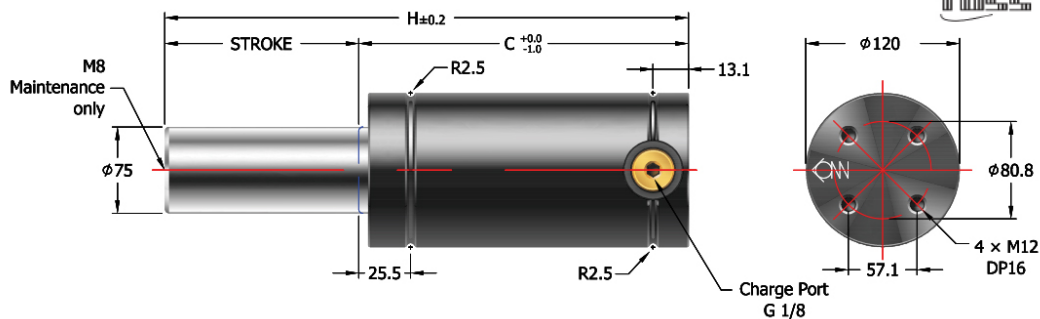
Mounting Model:
18XR4200(SR3000)



Mounting Model:
18XC4200(SC3000)



Model: 18TST6600



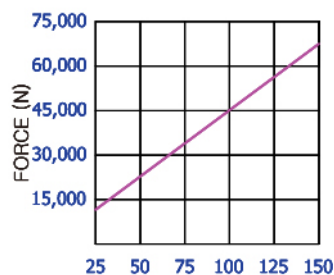
ORDER
EXAMPLE Model - S - Charging Pressure
18TST6600-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

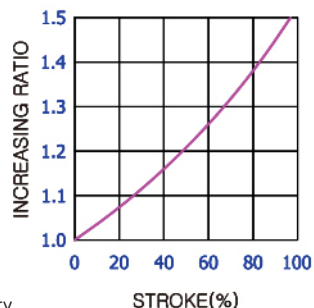
150Bar

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
016	104	88	66,000	87,600	285.7	3.27
020	112	92		90,200	329.1	3.38
025	122	97		92,600	383.5	3.52
030	132	102		94,600	437.8	3.66
035	142	107		96,200	492.1	3.81
038	148	110		97,000	524.7	3.88
040	152	112		97,500	546.5	3.94
045	162	117		98,600	600.8	4.08
050	172	122		99,500	655.2	4.22
060	192	132		101,000	763.8	4.50
063	198	135		101,400	796.4	4.58
070	212	142		102,100	872.5	4.78
075	222	147		102,600	926.8	4.92
080	232	152		103,100	981.2	5.06
090	252	162		103,800	1089.9	5.33
100	272	172		104,400	1198.5	5.62
125	322	197		105,600	1470.2	6.31

Charging Pressure



PRESSURE (Bar)



ORDER
EXAMPLE Model
18TB6600

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MK



Mounting Model:
18TB6600



Mounting Model:
18XT6600(ST5000)



Mounting Model:
18XR6600(SR5000)

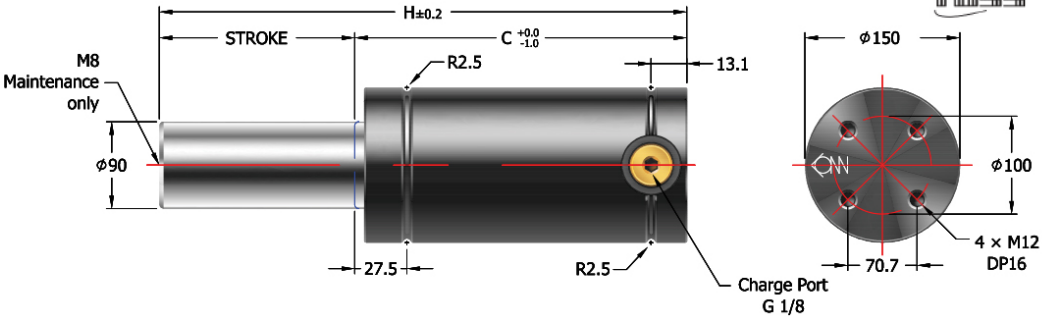


Mounting Model:
18XC6600(SC5000)



TST Gas Spring

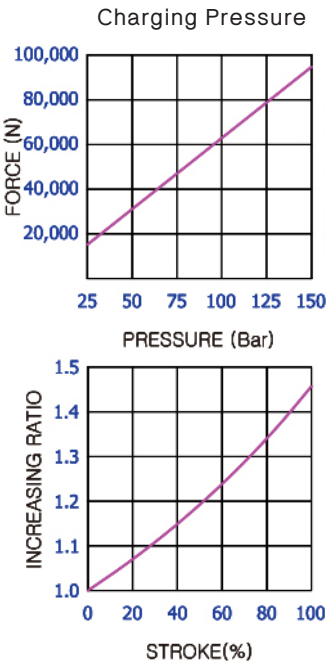
Model: 18TST9500



ORDER EXAMPLE Model - S - Charging Pressure
18TST9500-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ 150Bar
Charging Pressure if not mention is

S	H	C	Force		Gas Vol. (cm3)	Weight (kg)
			Initial (N)	End (N)		
020	118	98	95,000	127,600	509.9	10.78
025	128	103		131,000	591.6	11.10
030	138	108		133,700	673.3	11.60
035	148	113		135,900	755.0	12.84
038	154	116		137,000	804.0	13.18
040	158	118		137,700	836.6	13.24
045	168	123		139,200	918.3	14.48
050	178	128		140,500	1000.0	14.70
060	198	138		142,600	1163.3	15.50
063	204	141		143,100	1212.3	15.64
070	218	148		144,200	1326.7	16.20
075	228	153		144,900	1408.4	17.30
080	238	158		145,500	1490.0	18.10
090	258	168		146,500	1653.4	19.60
100	278	178		147,400	1816.7	20.44
125	328	203		149,100	2225.1	21.20



ORDER EXAMPLE Model
18TB9500

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model: 18MS Mounting Model: 18TB9500 Mounting Model: 18XR9500(SR7500) Mounting Model: 18XT9500(ST7500) Mounting Model: 18XC9500(SC7500)

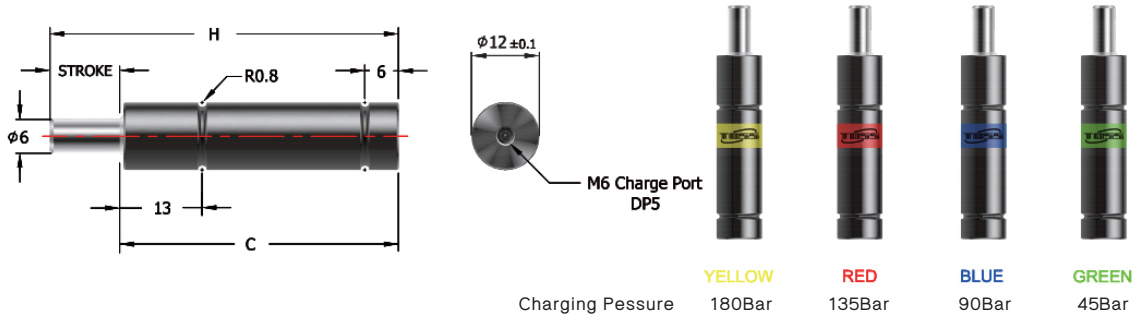


แก๊สสปริง

TSM Gas Spring

Model: 18TSM0050

รุ่นนี้มีสีที่กระบอกตามค่าความดัน
This model body color response to charging pressure



ORDER EXAMPLE Model - S - Charging Pressure
18TSM0050-050-135

! ระบุความดันเริ่มต้น หรือสีที่ต้องการ
Specify Charging Pressure or color

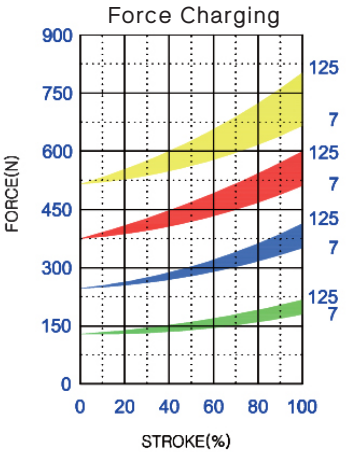
i เกลียวด้านล่างสำหรับรุ่น strokes 7-25 มม.
Bottom thread only for strokes 7-25mm

S	H	C	Force (Yellow)		Force (Red)		Force (Blue)		Force (Green)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)		
007	56	49	180	700	135	600	90	400	45	200	0.8	0.03
010	62	52		700						200	1.1	0.03
013	67.4	54.7		800						200	1.3	0.03
015	72	57		800						200	1.5	0.03
019	80	61		800						200	1.8	0.04
025	92	67		800						200	2.2	0.04
038	118	80		800						200	3.3	0.04
050	142	92		800						200	4.2	0.05
064	172	108.5		800						200	5.5	0.06
075	195	120		800						200	6.4	0.06
080	205	125	180	800	135	600	90	400	45	200	6.8	0.07
100	245	145		800						200	8.4	0.07
125	295	170		800						200	10.3	0.09

ORDER EXAMPLE Model
18SG50

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

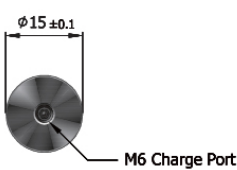
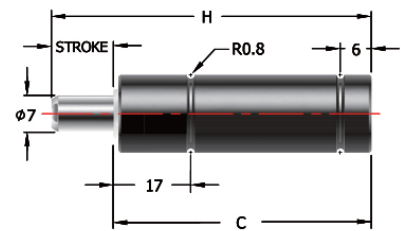
Mounting Model:
18SG50



TSM Gas Spring

Model: 18TSM0070

รุ่นนี้สีที่กระบอกตามค่าความดัน
This model body color response to charging pressure



Charging Pressure **YELLOW** 180Bar **RED** 135Bar **BLUE** 90Bar **GREEN** 45Bar

ORDER EXAMPLE Model - S - Charging Pressure
18TSM0070-050-135

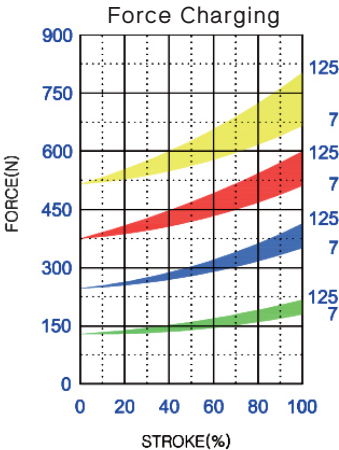
⚠ ระบุความดันเริ่มต้น หรือสีที่ต้องการ Specify Charging Pressure or color ⓘ เกยตัวด้านล่างสำหรับรุ่น strokes 7-25mm. Bottom thread only for strokes 7-25mm

S	H	C	Force (Yellow)		Force (Red)		Force (Blue)		Force (Green)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)		
007	56	49	700	900	500	700	350	500	180	200	1.2	0.05
010	62	52		1,000						200	1.5	0.05
013	68	55		1,000						200	1.9	0.05
015	72	57		1,000						300	2.1	0.05
019	80	61		1,000						300	2.5	0.05
025	92	67		1,000						300	3.2	0.06
038	118	80		1,100						300	4.7	0.07
050	142	92		1,100						300	6.0	0.08
064	172	108.5		1,100						300	7.9	0.09
075	195	120		1,100						300	9.2	0.10
080	205	125		1,100						300	9.8	0.11
100	245	145		1,100						300	12.0	0.12
125	295	170		1,100						300	14.9	0.14

ORDER EXAMPLE Model
18SG50

ⓘ รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18SG70



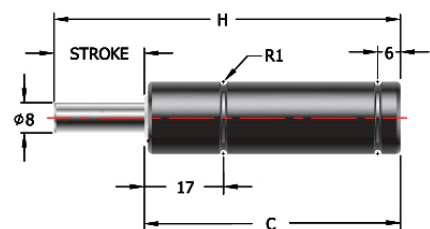
แก๊สสปริง

TSM Gas Spring

Model: 18TSM0090

รุ่นนี้มีสีที่กระบอกตามค่าความดัน

This model body color response to charging pressure



M6 Charge Port
DP5



YELLOW

RED

BLUE

GREEN

Charging Pressure

180Bar

140Bar

100Bar

60Bar

ORDER EXAMPLE Model - S - Charging Pressure
18TSM0090-050-135



ระบุความดันเริ่มต้น หรือสีที่ต้องการ
Specify Charging Pressure or color



เกลียวด้านล่างสำหรับรุ่น strokes 7-25 มม.
Bottom thread only for strokes 7-25mm

S	H	C	Force (Yellow)		Force (Red)		Force (Blue)		Force (Green)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)		
007	56	49		1,100		800		600		400	2.3	0.07
010	62	52		1,100		800		600		400	2.9	0.08
013	67.4	54.7		1,100		900		600		400	3.5	0.08
015	72	57		1,100		900		600		400	3.9	0.08
019	80	61		1,100		900		600		400	4.7	0.08
025	92	67		1,100		900		600		400	5.9	0.10
038	118	80	900	1,200	700	900	500	600	300	400	8.5	0.10
050	142	92		1,200		900		600		400	11.0	0.12
064	172	108.5		1,200		900		600		400	14.3	0.13
075	195	120		1,200		900		600		400	16.6	0.14
080	205	125		1,200		900		600		400	17.6	0.14
100	245	145		1,200		900		700		400	21.6	0.17
125	295	170		1,200		900		700		400	26.6	0.20

ORDER EXAMPLE Model
18SG90

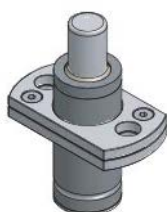


รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

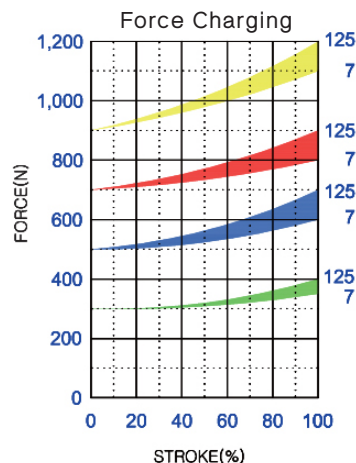
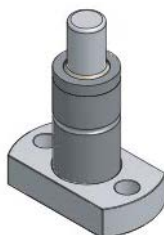
Mounting Model:
18SG90



Mounting Model:
18SC90



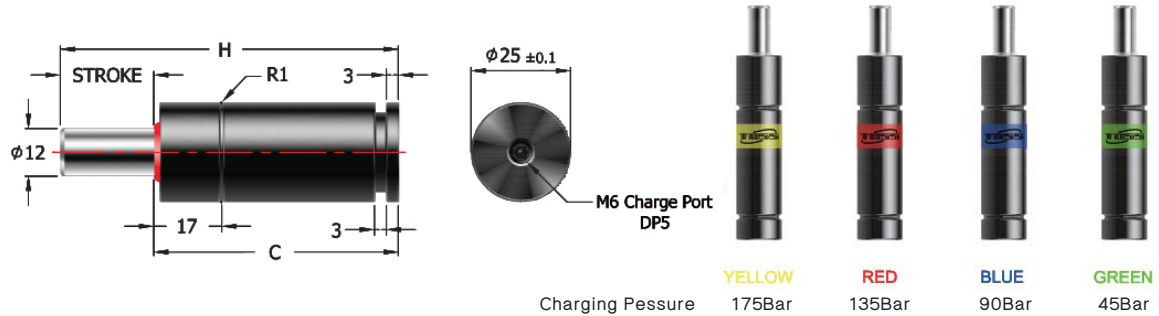
Mounting Model:
18SP90



TSM Gas Spring

Model: 18TSM0150

รุ่นนี้มีสีที่กระบอกตามค่าความดัน
This model body color response to charging pressure



ORDER EXAMPLE Model - S - Charging Pressure
18TSM0150-050-135

⚠ ระบุความดันเริ่มต้น หรือสีที่ต้องการ
Specify Charging Pressure or color

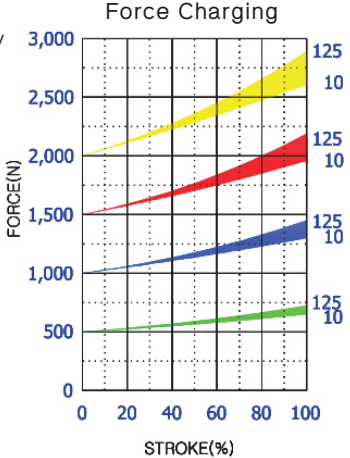
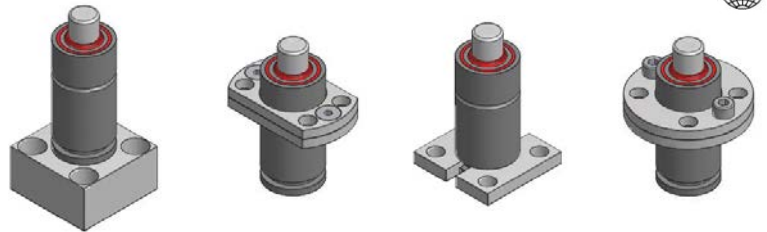
ℹ เกลียวด้านล่างสำหรับรุ่น strokes 7-25mm.
Bottom thread only for strokes 7-25mm

S	H	C	Force (Yellow)		Force (Red)		Force (Blue)		Force (Green)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)	Start (N)	End (N)		
010	62	52	2,000	2,600	1,500	2,000	1,000	1,300	500	700	4.7	0.14
013	68	55		2,700						700	5.7	0.15
015	72	57		2,700						700	6.4	0.16
016	74	58		2,700						700	6.8	0.16
020	82	62		2,700						700	8.1	0.17
025	92	67		2,800						700	9.9	0.18
030	102	72		2,800						700	11.6	0.19
035	112	77		2,800						700	13.3	0.20
038	118	80		2,800						700	14.4	0.21
040	122	82		2,800						700	15.1	0.22
045	132	87		2,800						700	16.8	0.23
050	142	92		2,800						700	18.5	0.24
060	165	105		2,800						700	22.0	0.27
063	172	109		2,800						700	23.4	0.27
070	185	115		2,900						700	25.4	0.29
080	205	125		2,900						700	28.9	0.32
100	245	145		2,900						700	35.8	0.36
125	295	170		2,900						700	44.5	0.40

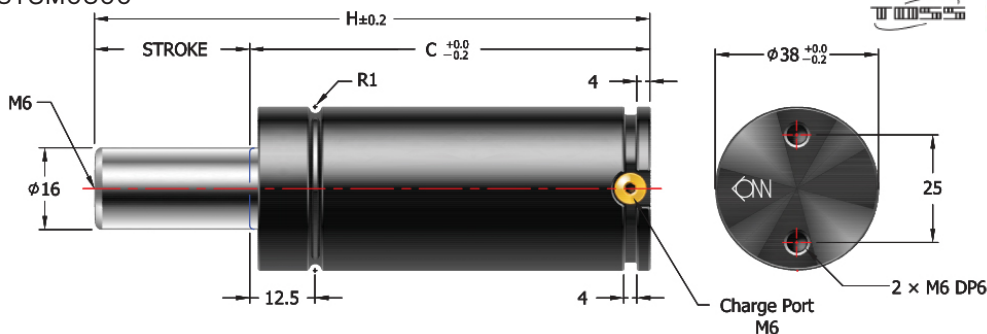
ORDER EXAMPLE Model 18SG150

ℹ รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model: 18XP0150 Mounting Model: 18XR0150 Mounting Model: 18XB0150 Mounting Model: 18SG0150



Model: 18TSM0300



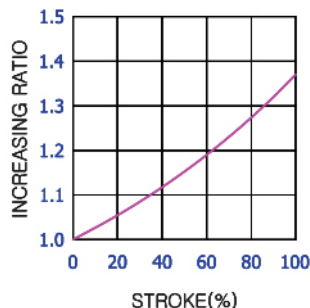
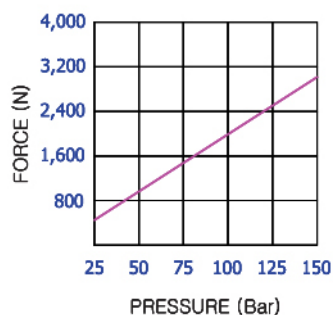
ORDER EXAMPLE Model - S - Charging Pressure
18TSM0300-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	70	60	3,000	3,900	8.5	0.44
015	80	65		4,000	12.0	0.46
020	90	70		4,000	15.5	0.50
025	100	75		4,100	19.1	0.52
030	110	80		4,100	22.6	0.56
035	120	85		4,100	26.1	0.58
038	126	88		4,100	28.3	0.58
040	130	90		4,100	29.7	0.60
045	140	95		4,100	33.2	0.62
050	150	100		4,100	36.7	0.66
060	170	110		4,100	43.8	0.70
063	176	113		4,100	45.9	0.72
070	190	120		4,100	50.9	0.76
080	210	130		4,100	57.9	0.80
090	230	140		4,100	65.0	0.84
100	250	150		4,200	72.1	0.90
110	270	160		4,200	79.1	0.96
120	290	170		4,200	86.2	1.00
125	300	175		4,200	89.7	1.04

Charging Pressure



ORDER EXAMPLE Model
18XP0300

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model:
18XP0300



Mounting Model:
18XR0300



Mounting Model:
18XT0300



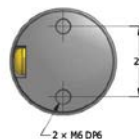
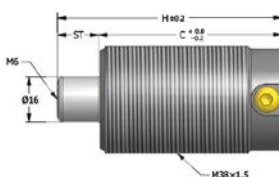
Mounting Model:
18XC0300



Mounting Model:
18SG0300 For TTM0300

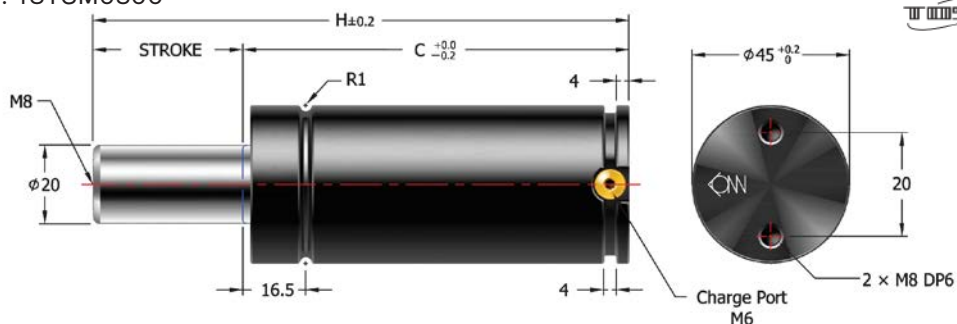


Mounting Model:
18TTM0300 (Threaded Option)



TSM Gas Spring

Model: 18TSM0500



ORDER EXAMPLE

Model - S - Charging Pressure

18TSM0500-050-150

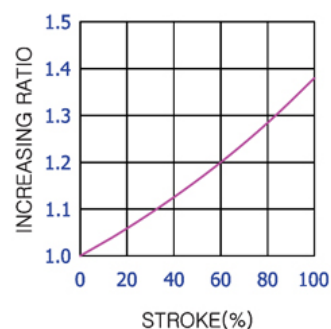
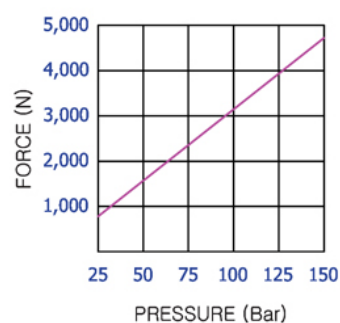


ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	70	60	4,650	6,100	12.9	0.60
015	80	65		6,200	18.3	0.64
020	90	70		6,300	23.6	0.68
025	100	75		6,300	29.0	0.72
030	110	80		6,400	34.4	0.76
035	120	85		6,400	39.8	0.80
038	126	88		6,400	43.0	0.81
040	130	90		6,400	45.1	0.82
045	140	95		6,400	50.5	0.86
050	150	100		6,500	55.9	0.89
060	170	110		6,500	66.6	0.96
063	176	113		6,500	69.9	0.98
070	190	120		6,500	77.4	1.01
080	210	130		6,500	88.1	1.09
090	230	140		6,500	98.9	1.16
100	250	150		6,500	109.6	1.23
110	270	160	6,500	120.4	1.30	
120	290	170	6,500	131.1	1.35	
125	300	175	6,500	136.5	1.39	

Charging Pressure



ORDER EXAMPLE

Model

18SP0500



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้

Mounting specification please see at the back of this category

Mounting Model:
18SP0500



Mounting Model:
18SR0500



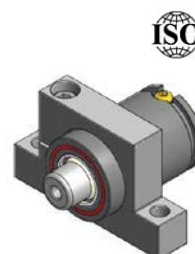
Mounting Model:
18ST0500



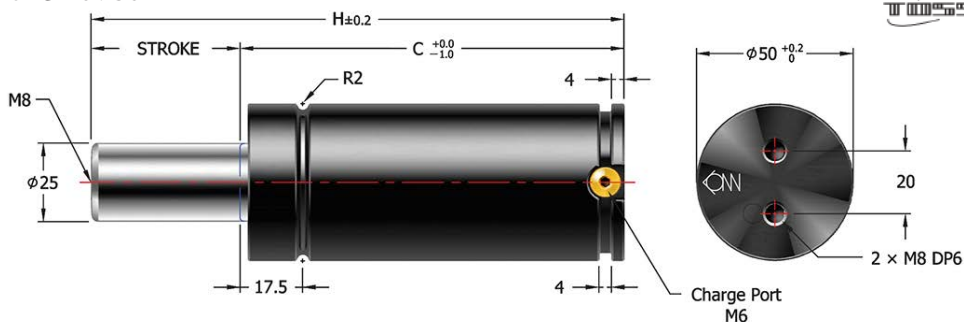
Mounting Model:
18SB0500



Mounting Model:
18SC0500



Model: 18TSM0750



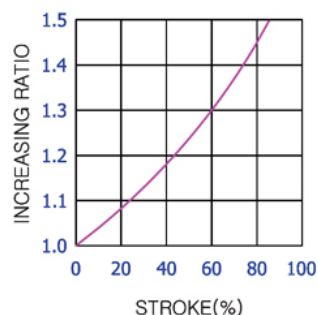
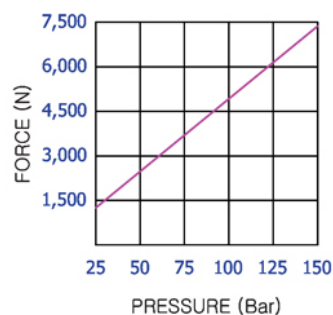
ORDER Model - S - Charging Pressure
EXAMPLE 18TSM0750-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	70	60	7,350	11,700	13.2	0.75
012.7	75.4	62.7		11,800	16.6	0.78
015	80	65		11,800	19.5	0.80
020	90	70		11,900	25.7	0.86
025	100	75		11,900	32.0	0.92
030	110	80		11,900	38.3	0.94
035	120	85		11,900	44.6	1.02
038	126	88		12,000	48.4	1.04
040	130	90		12,000	50.9	1.06
045	140	95		12,000	57.1	1.10
050	150	100		12,000	63.4	1.14
060	170	110		12,000	76.0	1.24
063	176	113		12,000	79.8	1.26
070	190	120		12,000	88.5	1.34
075	200	125		12,000	94.8	1.38
080	210	130		12,000	101.1	1.43
090	230	140		12,000	113.7	1.53
100	250	150		12,000	126.2	1.62
125	300	175		12,000	157.6	1.84

Charging Pressure



ORDER Model
EXAMPLE 18SB0750

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



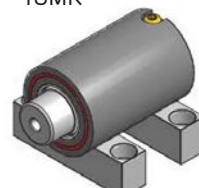
Mounting Model:
18MT



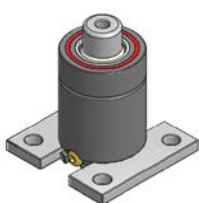
Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP0750M



Mounting Model:
18SB0750 ISO



Mounting Model:
18ST0750 ISO



Mounting Model:
18SR0750 ISO

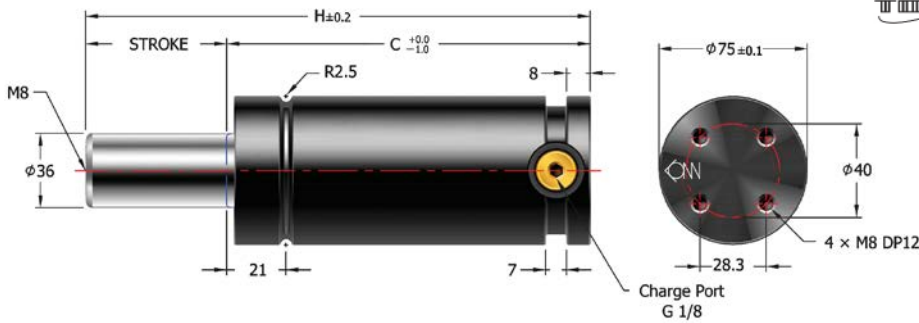


Mounting Model:
18SC0750 ISO



TSM Gas Spring

Model: 18TSM1500

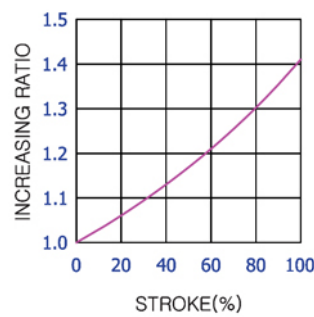
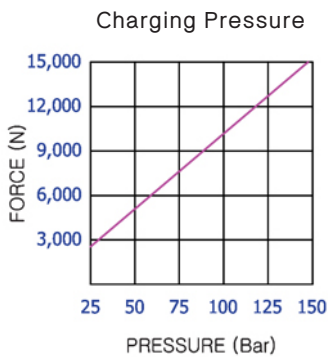


ORDER
EXAMPLE

Model - S - Charging Pressure
18TSM1500-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is **150Bar**

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	114	104	15,150	19,000	49.9	2.00
013	120	107		19,500	59.2	2.95
015	124	109		19,700	65.4	3.02
020	134	114		20,200	81.0	3.13
025	144	119		20,500	96.6	3.20
030	154	124		20,800	112.2	3.32
035	164	129		20,900	127.7	3.38
038	170	132		21,000	137.1	3.47
040	174	134		21,100	143.3	3.49
045	184	139		21,200	158.9	3.58
050	194	144		21,300	174.5	3.65
060	214	154		21,500	205.6	3.83
063	220	157		21,500	215.0	3.88
070	234	164		21,600	236.8	4.05
075	244	169		21,600	252.4	4.17
080	254	174		21,700	267.9	4.24
090	274	184		21,800	299.1	4.34
100	294	194		21,800	330.3	4.60
125	344	219		21,900	408.2	5.06
150	394	244		22,000	486.0	5.54
160	414	254		22,000	517.2	5.83
175	444	269		22,100	563.9	6.11
200	494	294		22,100	641.8	6.46



ORDER
EXAMPLE

Model
18SP1500

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP1500



Mounting Model:
18SB1500



Mounting Model:
18ST1500



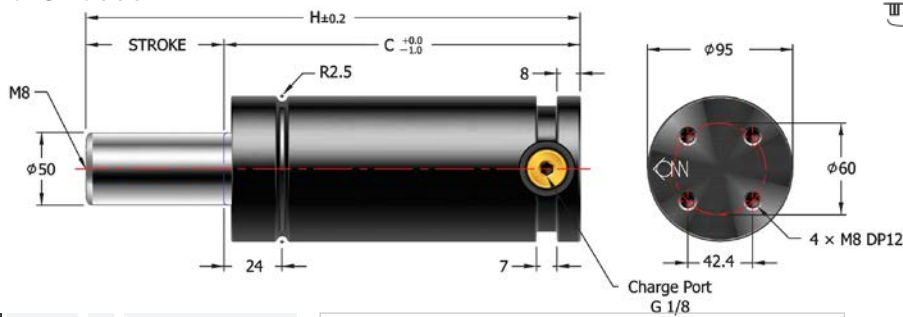
Mounting Model:
18SR1500



Mounting Model:
18SC1500



Model: 18TSM3000



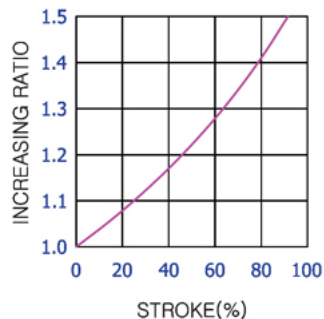
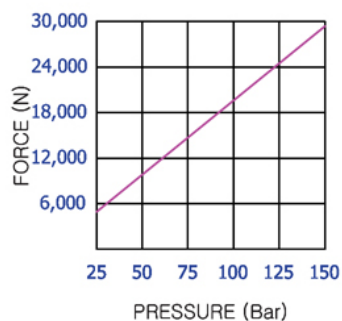
ORDER EXAMPLE Model - S - Charging Pressure
18TSM3000-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	114	104	29,400	40,800	70.3	4.79
013	120	107		41,900	85.4	4.96
015	124	109		42,500	95.5	4.96
020	134	114		43,600	120.6	5.09
025	144	119		44,300	145.7	5.29
030	154	124		44,800	170.8	5.38
035	164	129		45,200	195.9	5.53
038	170	132		45,400	211.0	5.62
040	174	134		45,600	221.1	5.68
045	184	139		45,800	246.2	5.83
050	194	144		46,000	271.3	5.98
060	214	154		46,400	321.5	6.27
063	220	157		46,400	336.6	6.36
070	234	164		46,600	371.8	6.57
075	244	169		46,700	396.9	6.72
080	254	174		46,800	422.0	7.07
090	274	184		46,900	472.3	7.40
100	294	194		47,000	522.5	7.76
125	344	219		47,300	648.1	8.48
150	394	244		47,400	773.7	8.93
160	414	254		47,500	823.9	9.23
175	444	269		47,500	899.3	10.11
200	494	294		47,600	1024.9	10.41

Charging Pressure



ORDER EXAMPLE Model
18SP3000

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MT



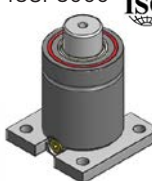
Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP3000 ISO



Mounting Model:
18SB3000 ISO



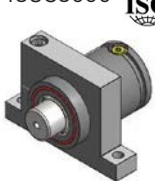
Mounting Model:
18ST3000 ISO



Mounting Model:
18SR3000 ISO

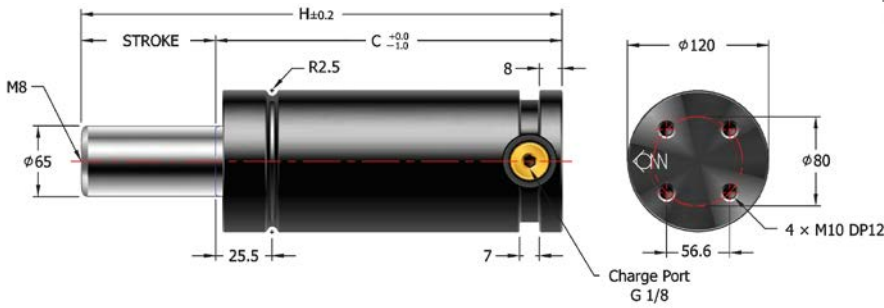


Mounting Model:
18SC3000 ISO



TSM Gas Spring

Model: 18TSM5000



ORDER
EXAMPLE

Model - S - Charging Pressure
18TSM5000-050-150

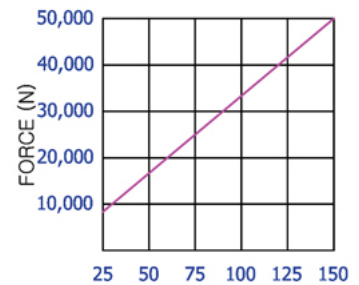


! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

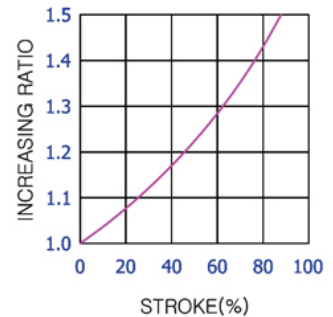
150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm ³)	Weight (kg)
			Start (N)	End (N)		
010	117	107	49,650	67,400	125.6	7.78
013	123	110		69,800	149.2	7.92
015	127	112		71,000	164.9	8.01
020	137	117		73,500	204.1	8.24
025	147	122		75,200	243.4	8.48
030	157	127		76,500	282.6	8.71
035	167	132		77,600	321.9	8.95
038	173	135		78,100	345.4	9.09
040	177	137		78,400	361.1	9.18
045	187	142		79,100	400.4	9.41
050	197	147		79,600	439.6	9.65
060	217	157		80,500	518.1	10.11
063	223	160		80,700	541.7	10.25
070	237	167		81,200	596.6	10.58
075	247	172		81,400	635.9	10.81
080	257	177		81,700	675.1	11.05
090	277	187		82,100	753.6	11.51
100	297	197		82,400	832.1	11.98
125	347	222		83,100	1028.4	13.15
150	397	247		83,500	1224.6	14.32
160	417	257		83,600	1303.1	14.79
175	447	272		83,800	1420.9	15.49
200	497	297		84,100	1617.1	16.65

Charging Pressure



INCREASING RATIO



ORDER
EXAMPLE

Model
18SP5000



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP5000



Mounting Model:
18SB5000



Mounting Model:
18ST5000



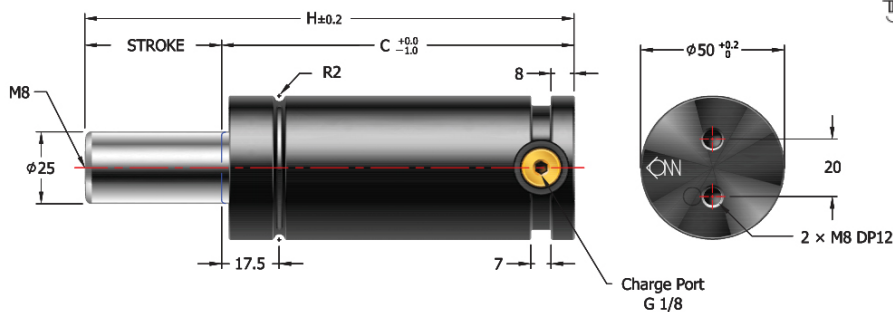
Mounting Model:
18SR5000



Mounting Model:
18SC5000



Model: 18TSS0750



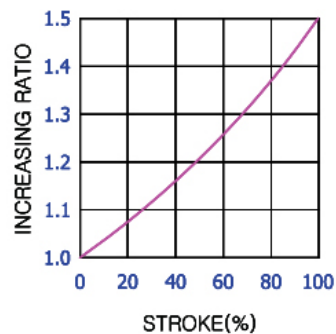
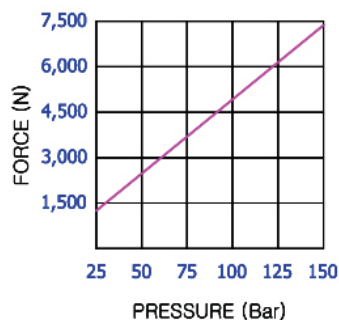
ORDER Model - S - Charging Pressure
EXAMPLE 18TSS0750-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	90	80	7,350	9,500	21.4	1.00
012.7	95.4	82.7		9,800	24.7	1.00
015	100	85		10,000	27.6	1.02
020	110	90		10,300	33.9	1.06
025	120	95		10,600	40.2	1.12
030	130	100		10,800	46.5	1.16
035	140	105		10,900	52.8	1.20
038	146	108		11,000	56.5	1.24
040	150	110		11,000	59.0	1.26
045	160	115		11,100	65.3	1.30
050	170	120		11,200	71.6	1.36
060	190	130		11,300	84.2	1.45
063	196	133		11,300	87.9	1.48
070	210	140		11,400	96.7	1.52
075	220	145		11,400	103.0	1.60
080	230	150		11,500	109.3	1.64
090	250	160		11,500	121.8	1.74
100	270	170		11,600	134.4	1.82
125	320	195		11,700	165.8	2.04
150	370	220		11,700	197.2	2.30
160	390	230		11,700	209.8	2.37
175	420	245		11,800	228.6	2.53
200	470	270		11,800	260.0	2.76

Charging Pressure



ORDER Model
EXAMPLE 18SP0750

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP0750



Mounting Model:
18SB0750



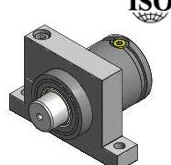
Mounting Model:
18ST0750



Mounting Model:
18SR0750

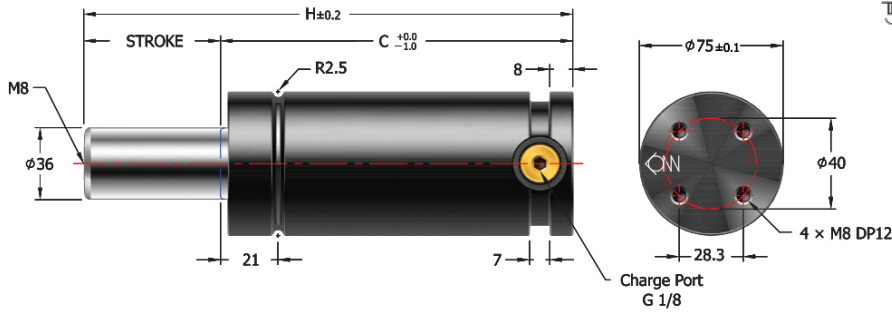


Mounting Model:
18SC0750



TSS Gas Spring

Model: 18TSS1500



ORDER
EXAMPLE

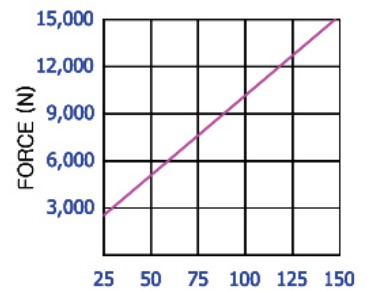
Model - S - Charging Pressure
18TSS1500-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

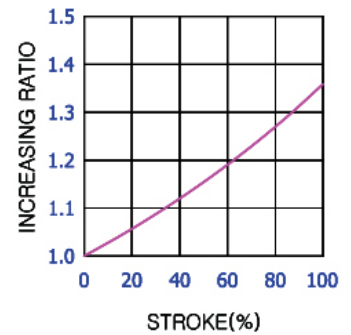
150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	122	112	15,150	17,800	68.5	3.06
013	127.4	114.4		18,300	76.0	3.09
015	132	117		18,500	84.1	3.13
020	142	122		19,000	99.7	3.24
025	152	127		19,400	115.3	3.33
030	162	132		19,700	130.9	3.42
035	172	137		20,000	146.4	3.50
038	178	140		20,100	155.8	3.59
040	182	142		20,200	162.0	3.62
045	192	147		20,400	177.6	3.70
050	202	152		20,500	193.2	3.80
060	222	162		20,800	224.3	3.99
063	228	165		20,800	233.7	4.06
070	242	172		20,900	255.5	4.16
075	252	177		21,000	271.1	4.28
080	262	182		21,100	286.6	4.34
090	282	192		21,200	317.8	4.56
100	302	202		21,300	349.0	4.73
125	352	227		21,500	426.8	5.20
150	402	252		21,600	504.7	5.62
160	422	262		21,700	535.9	5.80
175	452	277		21,700	582.6	6.16
200	502	302		21,800	660.5	6.50
250	602	352		21,900	816.3	7.39
300	702	402		22,000	972.1	8.27

Charging Pressure



PRESSURE (Bar)



STROKE(%)

ORDER
EXAMPLE

Model
18SP1500

! รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



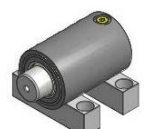
Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP1500



Mounting Model:
18SB1500



Mounting Model:
18ST1500

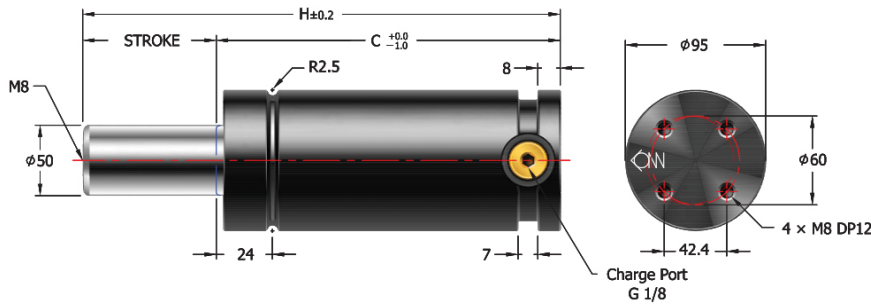


Mounting Model:
18SR1500



Mounting Model:
18SC1500





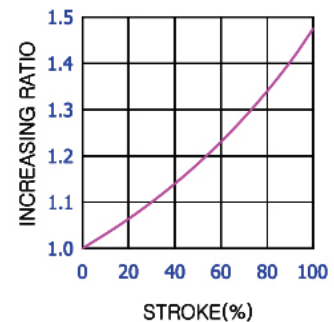
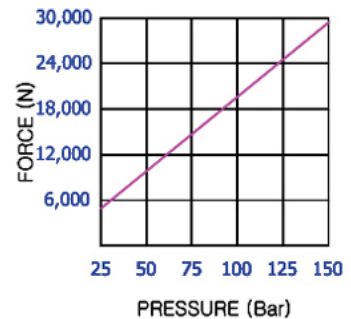
ORDER Model - S - Charging Pressure
EXAMPLE 18TSS3000-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	122	112		35,700	110.5	5.07
013	127.5	114.5		37,100	123.1	5.08
015	132	117		37,500	135.6	5.18
020	142	122		38,900	160.8	5.38
025	152	127		39,900	185.9	5.54
030	162	132		40,800	211.0	5.69
035	172	137		41,400	236.1	5.85
038	178	140		41,800	251.2	5.90
040	182	142		42,000	261.2	5.93
045	192	147		42,500	286.4	6.16
050	202	152		42,900	311.5	6.22
060	222	162		43,600	361.7	6.52
063	228	165		43,700	376.8	6.70
070	242	172		44,100	412.0	6.94
075	252	177		44,300	437.1	7.10
080	262	182		44,500	462.2	7.26
090	282	192		44,800	512.4	7.51
100	302	202		45,100	562.7	7.86
125	352	227		45,600	688.3	8.66
150	402	252		46,000	813.9	9.45
160	422	262		46,100	864.1	9.76
175	452	277		46,300	939.5	10.23
200	502	302		46,500	1065.1	11.01
250	602	352		46,800	1316.3	12.53
300	702	402		47,000	1567.5	14.14

Charging Pressure



ORDER Model
EXAMPLE 18SP3000

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP3000



Mounting Model:
18SB3000



Mounting Model:
18ST3000



Mounting Model:
18SR3000

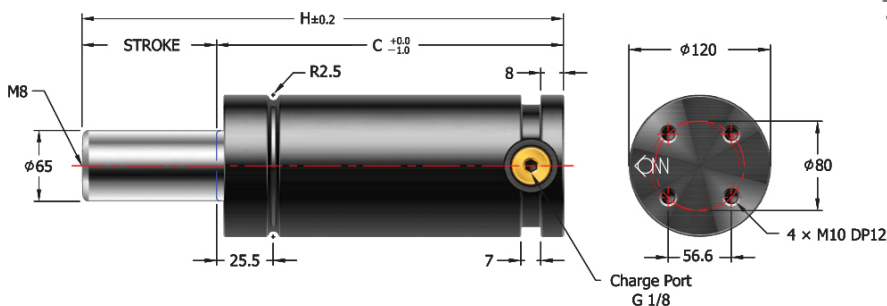


Mounting Model:
18SC3000



TSS Gas Spring

Model: 18TSS5000



ORDER EXAMPLE

Model - S - Charging Pressure
18TSS5000-050-150

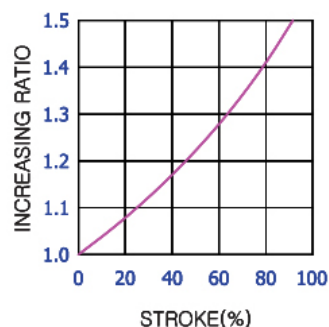
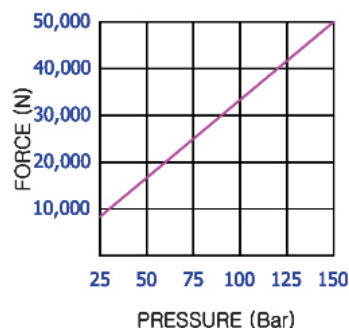


ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)
			Start (N)	End (N)		
010	121.5	111.5	49,650	65,400	137.4	8.22
013	127.5	114.5		67,800	160.9	8.37
015	132	117		68,500	180.6	8.47
020	142	122		71,000	219.8	8.72
025	152	127		73,000	259.1	9.00
030	162	132		74,400	298.3	9.21
035	172	137		75,600	337.6	9.68
038	178	140		76,200	361.1	9.71
040	182	142		76,500	376.8	9.71
045	192	147		77,300	416.1	9.95
050	202	152		78,000	455.3	10.34
060	222	162		79,100	533.8	10.69
063	228	165		79,300	557.4	10.84
070	242	172		79,900	612.3	11.19
075	252	177		80,200	651.6	11.44
080	262	182		80,500	690.8	11.97
090	282	192		81,000	769.3	12.18
100	302	202		81,400	847.8	12.67
125	352	227		82,200	1044.1	13.91
150	402	252		82,800	1240.3	15.14
160	422	262	83,000	1318.8	15.63	
175	452	277	83,200	1436.6	16.38	
200	502	302	83,500	1632.8	17.61	
250	602	352	84,000	2025.3	20.08	
300	702	402	84,300	2417.8	22.55	

Charging Pressure



ORDER EXAMPLE

Model	18SP5000
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รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD 



Mounting Model:
18MS



Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP5000 



Mounting Model:
18SB5000 



Mounting Model:
18ST5000 



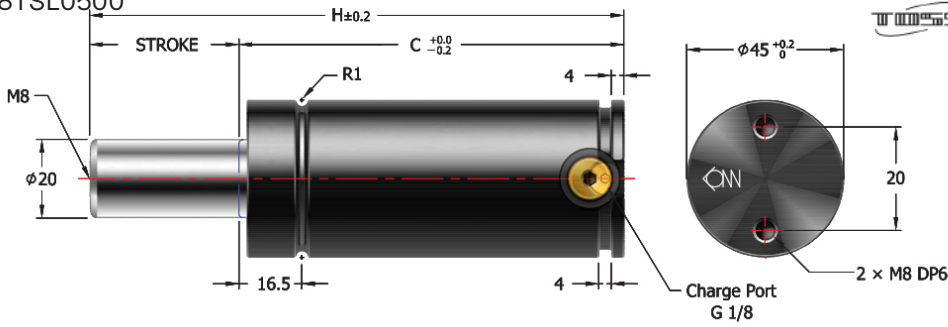
Mounting Model:
18SR5000 



Mounting Model:
C5000



Model: 18TSL0500

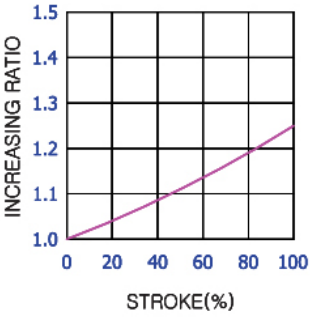
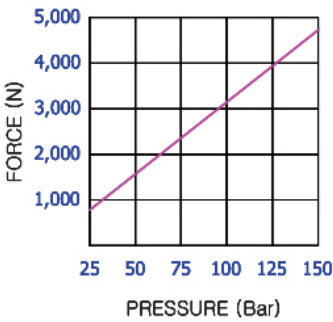


ORDER Model - S - Charging Pressure
EXAMPLE 18TSL0500-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ 150Bar
Charging Pressure if not mention is 150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
010	105	95	4,650	5,100	33.9	0.89	
015	115	100		5,300	39.2	0.94	
020	125	105		5,400	44.6	0.98	
025	135	110		5,500	50.0	0.98	ISO
030	145	115		5,600	55.3	1.10	
035	155	120		5,700	60.7	1.13	
038	161	123		5,700	63.9	1.16	
040	165	125		5,700	66.1	1.16	
045	175	130		5,800	71.5	1.19	
050	185	135		5,800	76.8	1.21	ISO
060	205	145		5,900	87.6	1.23	
063	211	148		5,900	90.8	1.25	
070	225	155		6,000	98.3	1.31	
080	245	165		6,000	109.1	1.38	ISO
090	265	175		6,100	119.8	1.45	
100	285	185		6,100	130.6	1.51	
110	305	195		6,100	141.3	1.58	
120	325	205		6,200	152.1	1.64	
125	335	210		6,200	157.4	1.67	
160	405	245		6,200	195.1	1.89	

Charging Pressure



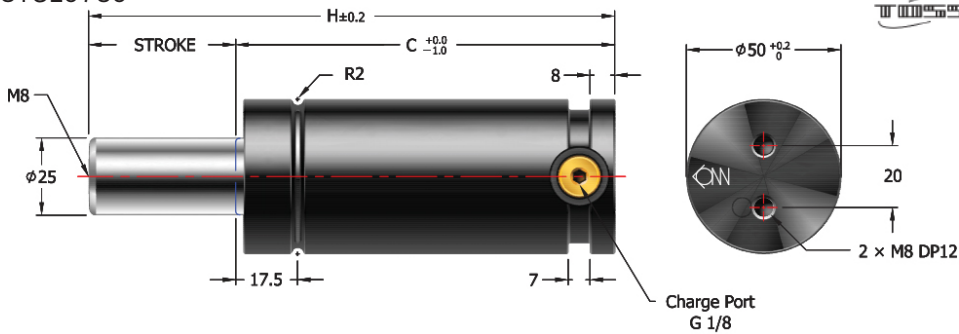
ORDER Model
EXAMPLE 18SP0500

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category



TSL Gas Spring

Model: 18TSL0750

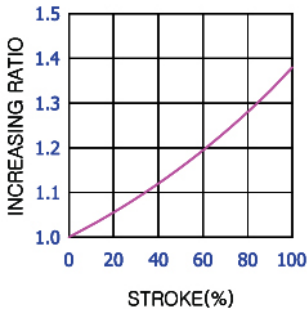
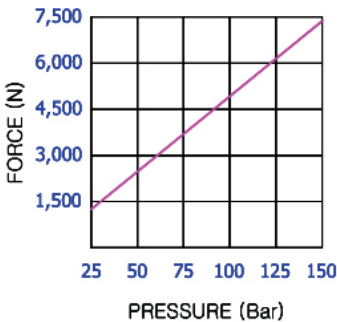


ORDER EXAMPLE Model - S - Charging Pressure
18TSL0750-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ 150Bar
Charging Pressure if not mention is 150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
010	115	105	7,350	8,400	40.2	1.32	ISO
012.7	120.4	107.7		8,600	43.6	1.34	
015	125	110		8,700	46.5	1.35	
020	135	115		9,000	52.8	1.40	
025	145	120		9,300	59.0	1.44	
030	155	125		9,500	65.3	1.50	
035	165	130		9,700	71.6	1.54	
038	171	133		9,800	75.4	1.58	
040	175	135		9,800	77.9	1.59	
045	185	140		10,000	84.2	1.64	
050	195	145		10,100	90.4	1.68	ISO
060	215	155		10,300	103.0	1.78	
063	222	158		10,300	106.8	1.82	
070	235	165		10,500	115.6	1.87	
075	245	170		10,500	121.8	1.91	
080	255	175		10,600	128.1	1.98	
090	275	185		10,700	140.7	2.06	
100	295	195		10,800	153.2	2.14	
125	345	220		11,000	184.6	2.30	
150	395	245		11,100	216.0	2.61	
160	415	255		11,200	228.6	2.72	ISO
175	445	270		11,200	247.4	2.84	
200	495	295		11,300	278.8	3.08	
250	595	345		11,300	341.6	3.60	
300	695	395		11,300	404.4	4.07	

Charging Pressure



ORDER EXAMPLE Model
18SP0750

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



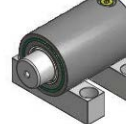
Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP0750 ISO



Mounting Model:
18SB0750 ISO



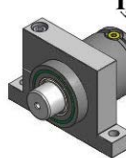
Mounting Model:
18ST0750 ISO



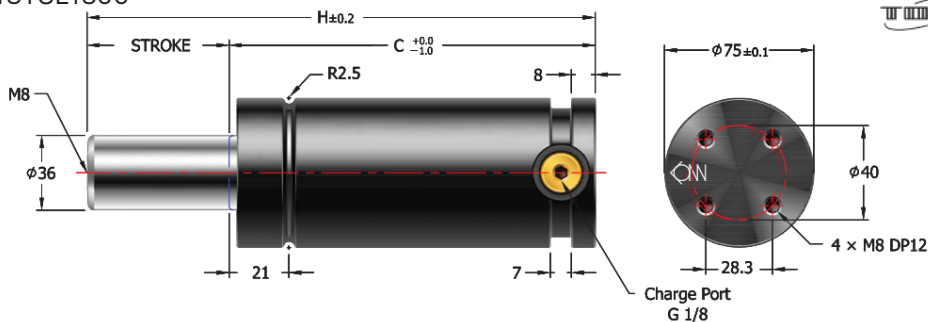
Mounting Model:
18SR0750 ISO



Mounting Model:
18SC0750 ISO



Model: 18TSL1500



ORDER
EXAMPLE

Model - S - Charging Pressure
18TSL1500-050-150

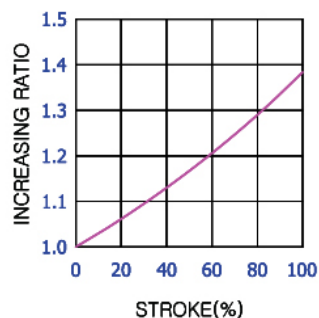
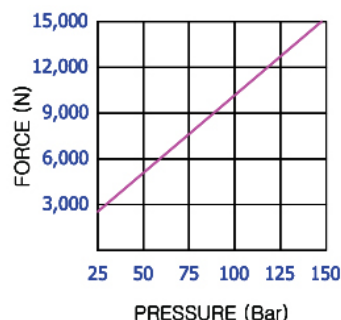


ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
010	130	120		18,500	56.1	3.40	
013	135.4	122.4		19,100	63.6	3.45	
015	140	125		19,200	71.7	3.48	
020	150	130		19,700	87.2	3.58	
025	160	135		20,100	102.8	3.66	ISO
030	170	140		20,400	118.4	3.78	
035	180	145		20,600	134.0	3.86	
038	186	148		20,700	143.3	3.92	
040	190	150		20,800	149.6	4.00	
045	200	155		20,900	165.1	4.04	
050	210	160		21,000	180.7	4.16	ISO
060	230	170		21,200	211.9	4.36	
063	237	174	15,150	21,100	224.3	4.40	
070	250	180		21,400	243.0	4.47	
075	260	185		21,400	258.6	4.60	
080	270	190		21,500	274.2	4.67	ISO
090	290	200		21,600	305.3	4.85	
100	310	210		21,600	336.5	5.03	ISO
125	360	235		21,800	414.4	5.47	ISO
150	410	260		21,900	492.3	5.92	
160	430	270		21,900	523.4	6.22	ISO
175	460	285		22,000	570.2	6.37	
200	510	310		22,000	648.1	6.82	
250	610	360		22,100	803.8	7.90	
300	710	410		22,100	959.6	8.68	

Charging Pressure



ORDER
EXAMPLE

Model
18SP1500



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



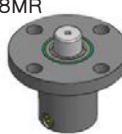
Mounting Model:
18MS



Mounting Model:
18MT



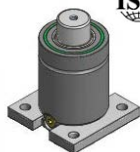
Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP1500



Mounting Model:
18SB1500



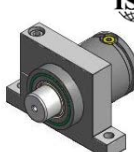
Mounting Model:
18ST1500



Mounting Model:
18SR1500

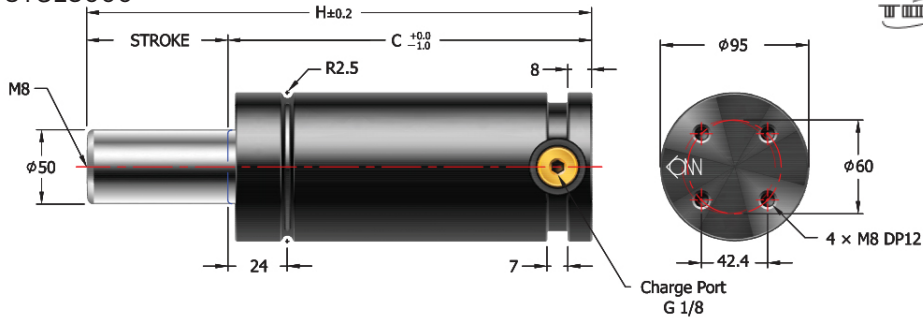


Mounting Model:
18SC1500



TSL Gas Spring

Model: 18TSL3000



ORDER
EXAMPLE

Model - S - Charging Pressure
18TSL3000-050-150

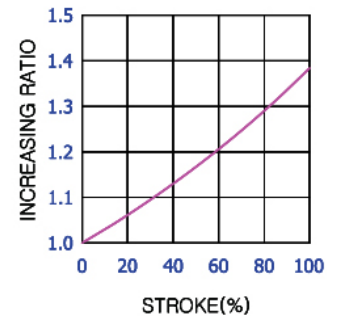
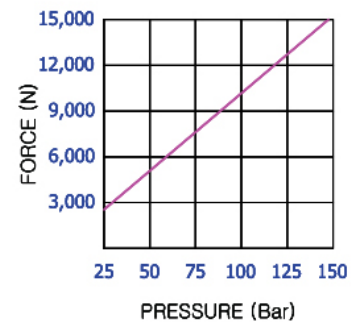


ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
010	140	130	29,400	37,000	95.5	5.74	ISO
013	145.5	132.5		38,500	108.0	5.84	
015	150	135		38,900	120.6	5.92	
020	160	140		40,200	145.7	6.09	
025	170	145		41,200	170.8	6.48	
030	180	150		42,000	195.9	6.55	
035	190	155		42,600	221.1	6.62	
038	196	158		42,900	236.1	6.73	
040	200	160		43,100	246.2	6.80	
045	210	165		43,600	271.3	6.98	
050	220	170		43,900	296.4	7.15	ISO
060	240	180		44,500	346.7	7.51	
063	247	184		44,300	366.8	7.68	
070	260	190		44,900	396.9	7.86	
075	270	195		45,100	422.0	8.04	
080	280	200		45,300	447.1	8.27	
090	300	210		45,600	497.4	8.58	
100	320	220		45,800	547.6	8.85	
125	370	245		46,200	673.2	9.65	
150	420	270		46,500	798.8	10.69	
160	440	280		46,600	849.1	11.05	
175	470	295		46,700	924.4	11.58	
200	520	320		46,900	1050	12.46	
250	620	370		47,200	1301.2	14.23	
300	720	420		47,300	1552.4	16.00	

Charging Pressure



ORDER
EXAMPLE

Model
18SP3000



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP3000



Mounting Model:
18SB3000



Mounting Model:
18ST3000



Mounting Model:
18SR3000



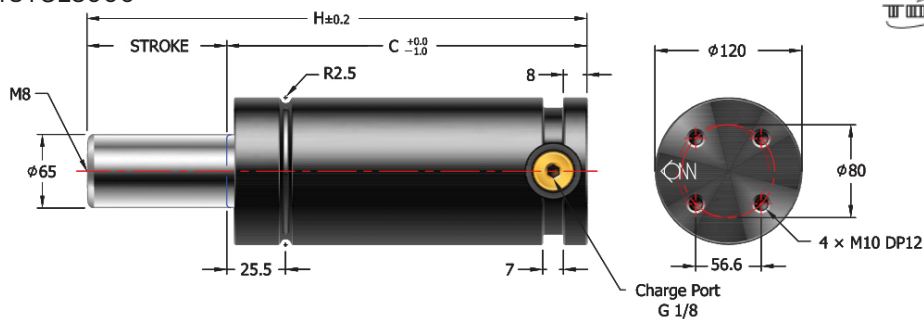
Mounting Model:
18SC3000



แก๊สสปริง

TSL Gas Spring

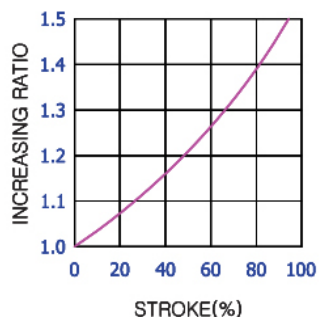
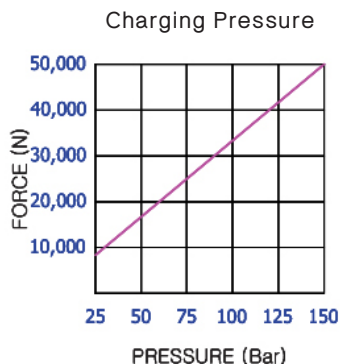
Model: 18TSL5000



ORDER Model - S - Charging Pressure
EXAMPLE 18TSL5000-050-150

! ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ **150Bar**
Charging Pressure if not mention is

S	H	C	Force (Yellow)		Gas Vol. (cm ³)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
010	159.5	149.5	49,650	63,300	153.1	10.32	
013	165.5	152.5		65,600	176.6	10.71	
015	170	155		66,500	196.3	11.10	
020	180	160		69,100	235.5	11.49	
025	190	165		71,000	274.8	11.88	
030	200	170		72,600	314.0	12.27	ISO
035	210	175		73,900	353.3	12.66	
038	216	178		74,500	376.8	13.00	
040	220	180		74,900	392.5	13.44	
045	230	185		75,800	431.8	13.83	
050	240	190		76,500	471.0	14.22	ISO
060	260	200		77,800	549.5	14.68	
063	266	203		78,100	573.1	15.07	
070	280	210		78,700	628.0	15.46	
075	290	215		79,100	667.3	15.85	
080	300	220		79,400	706.5	16.24	ISO
090	320	230		80,000	785.0	16.94	
100	340	240		80,500	863.5	17.66	
125	390	265		81,400	1059.8	18.05	
150	440	290		82,100	1256.0	18.44	
160	460	300		82,300	1334.5	18.83	ISO
175	490	315		82,600	1452.3	19.22	
200	540	340		83,000	1648.5	19.61	
250	640	390		83,500	2041	20.31	
300	740	440		83,900	2433.5	21.01	



ORDER Model
EXAMPLE 18SP5000

i รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้
Mounting specification please see at the back of this category

Mounting Model:
18MD



Mounting Model:
18MS



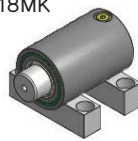
Mounting Model:
18MT



Mounting Model:
18MR



Mounting Model:
18MK



Mounting Model:
18SP5000



Mounting Model:
18SB5000



Mounting Model:
18ST5000



Mounting Model:
18SR5000

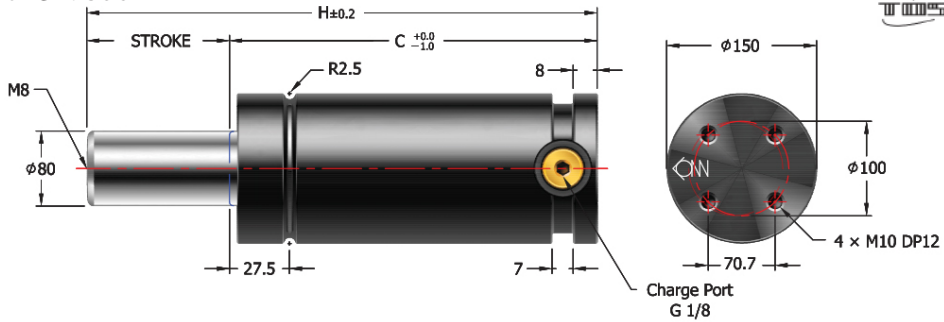


Mounting Model:
18SC5000



TSL Gas Spring

Model: 18TSL7500



ORDER
EXAMPLE

Model - S - Charging Pressure
18TSL7500-050-150



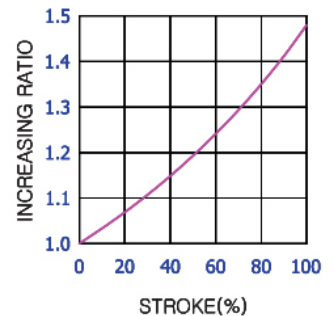
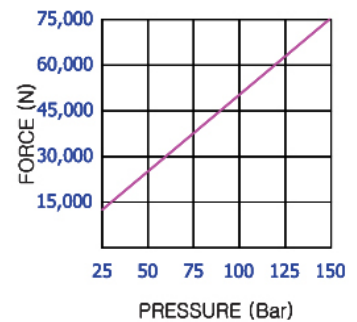
ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ

Charging Pressure if not mention is

150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
015	185	170	75,300	96,400	343.4	16.80	
020	195	175		100,100	404.8	18.40	
025	205	180		103,000	466.1	21.20	
030	215	185		105,400	527.4	22.45	
035	225	190		107,300	588.8	23.20	
038	231	193		108,300	625.5	24.20	ISO
040	235	195		109,000	650.1	25.20	
045	245	200		110,300	711.4	26.90	
050	255	205		111,500	772.7	27.90	
060	275	215		113,500	895.4	29.50	
063	282	219		113,200	944.5	30.50	ISO
070	295	225		115,000	1018.0	31.80	
075	305	230		115,600	1079.4	33.20	
080	315	235		116,200	1140.7	34.40	
090	335	245		117,200	1263.4	35.40	
100	355	255		118,100	1386.0	36.50	ISO
125	405	280		119,700	1692.7	37.40	
150	455	305		120,800	1999.3	38.50	ISO
160	475	315		121,200	2122.0	39.40	
175	505	330		121,600	2305.9	40.40	
200	555	355		122,300	2612.6	41.70	
250	655	405		123,200	3255.9	42.60	
300	755	455		123,900	3839.1	43.70	

Charging Pressure



ORDER
EXAMPLE

Model
18SP7500



รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่

Mounting specification please see at the back of this category

Mounting Model:
18MS



Mounting Model:
18SB7500



Mounting Model:
18SR7500



Mounting Model:
18ST7500



Mounting Model:
18SP7500



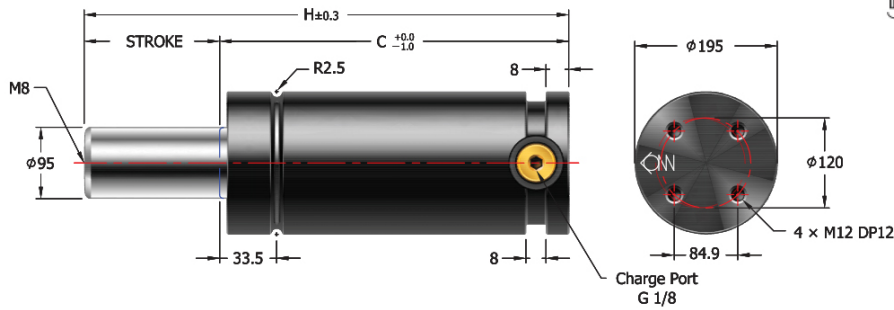
Mounting Model:
18SC7500



แก๊สสปริง

TSL Gas Spring

Model: 18TSL10000



ORDER EXAMPLE

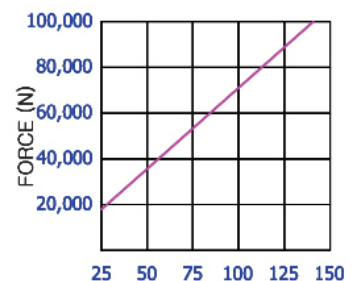
Model	- S -	Charging Pressure
18TSL10000-050-150		

ความดันเริ่มต้นหากไม่ระบุ จะเท่ากับ
Charging Pressure if not ment

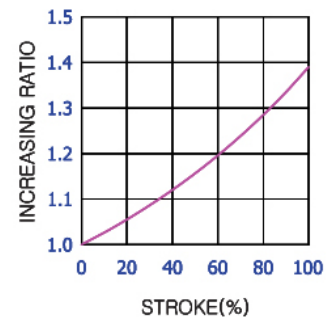
150Bar

S	H	C	Force (Yellow)		Gas Vol. (cm3)	Weight (kg)	ISO Standard
			Start (N)	End (N)			
020	200	180	106.200	137,600	619.8	36.20	
025	210	185		140,400	726.6	38.50	
030	220	190		142,500	833.5	40.20	
035	230	195		144,200	940.4	42.50	
038	236	198		145,100	1004.5	44.10	
040	240	200		145,600	1047.2	45.60	
045	250	205		146,700	1154.1	47.90	
050	260	210		147,700	1260.9	48.80	ISO
060	280	220		149,200	1474.6	50.90	
063	287	223		149,600	1538.8	51.70	
070	300	230		150,300	1688.4	53.20	
075	310	235		150,800	1795.2	55.45	
080	320	240		151,200	1902.1	57.00	ISO
090	340	250		152,000	2115.8	59.50	
100	360	260		152,600	2329.5	61.80	ISO
125	410	285		153,700	2863.8	64.50	ISO
150	460	310		154,500	3398.1	67.20	
160	480	320		154,700	3611.8	69.00	ISO
175	510	335		155,100	3932.4	72.30	
200	560	360		155,500	4466.7	74.50	ISO
250	660	410	156,100	5535.3	80.50	ISO	
300	760	460	156,600	6603.8	86.50	ISO	

Charging Pressure



PRESSURE (Bar)



ORDER EXAMPLE

Model
18SP10000

รายละเอียดโปรดดูหน้า Mounting ด้านหลังหมวดหมู่นี้

Mounting specification please see at the back of this category

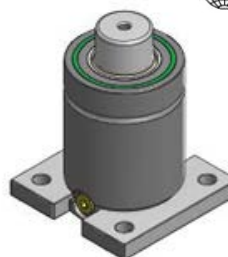
Mounting Model:
18MD



Mounting Model:
18SB10000



Mounting Model:
18SP10000

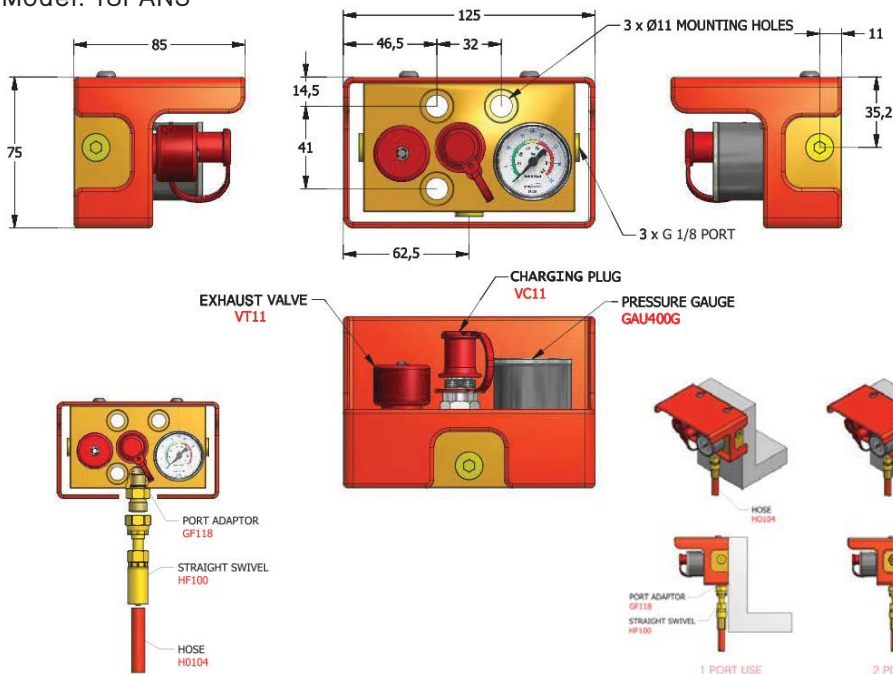


Mounting Model:
18ST10000

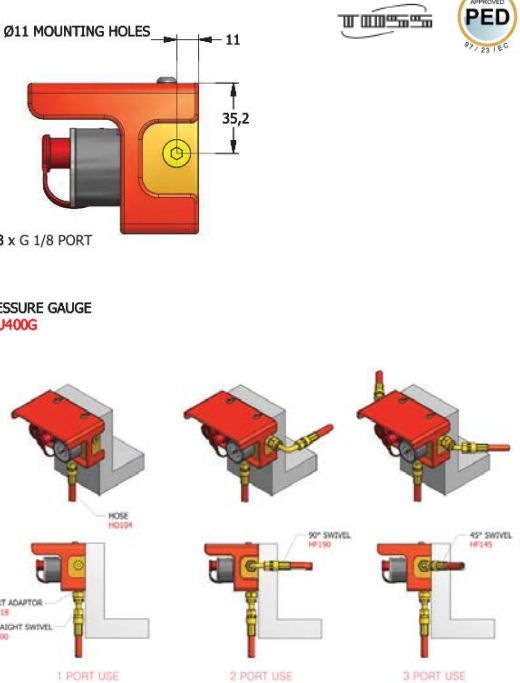


Control Panel

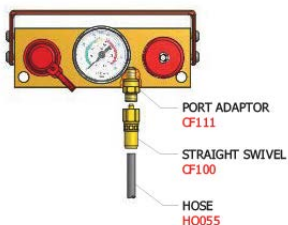
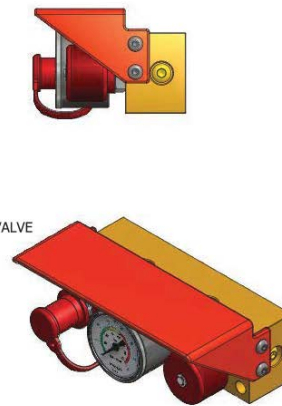
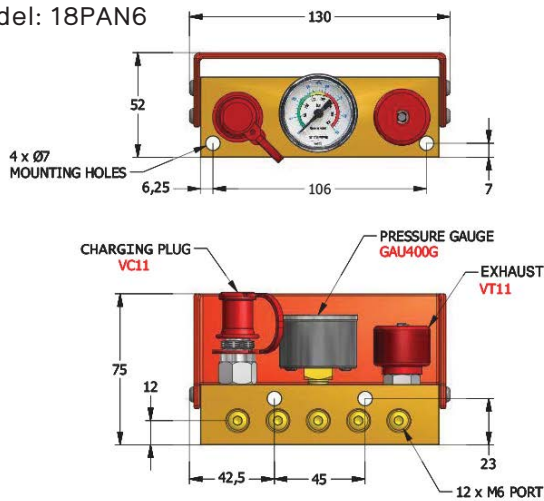
Model: 18PAN3



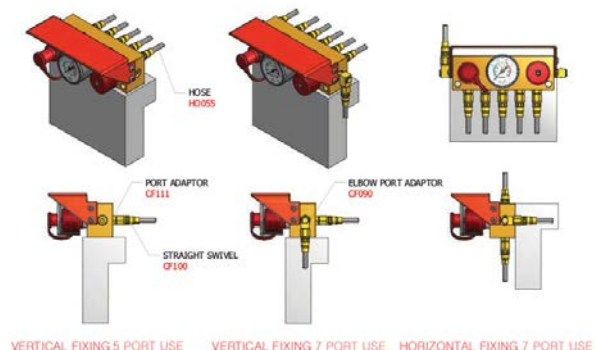
PAN3 + FITTING CONNECTION



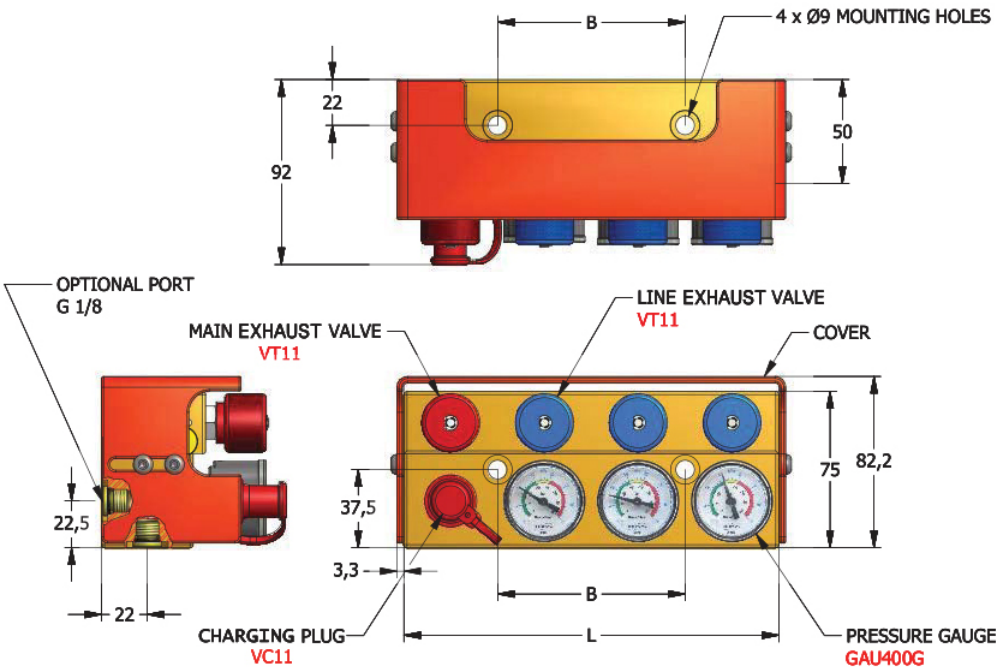
Model: 18PAN6



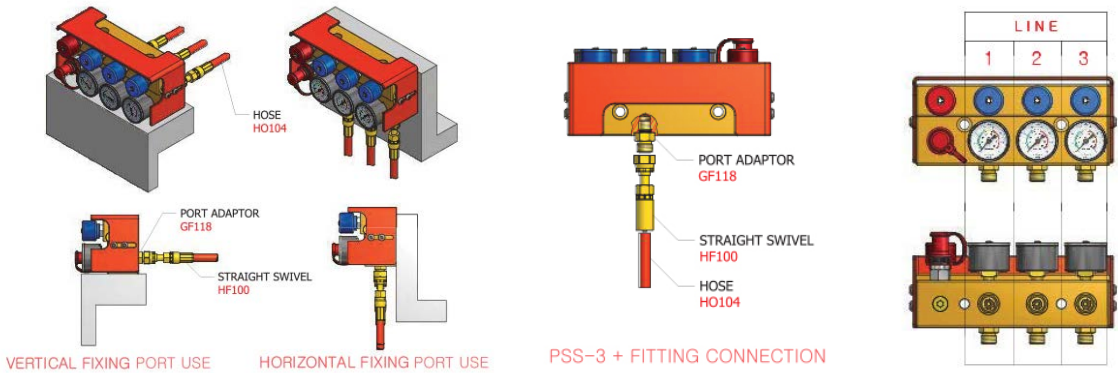
PAN3 + FITTING CONNECTION



Model: 18PSS



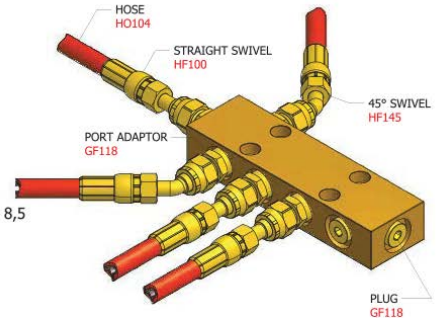
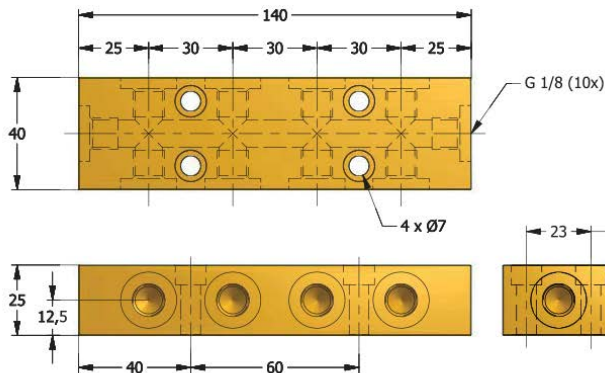
Order Code	L	B
18PSS-2	135	45
18PSS-3	180	90
18PSS-4	225	135
18PSS-5	270	180
18PSS-6	315	225
18PSS-7	360	270
18PSS-8	405	315



Distribution Block

Model: 18HB-10

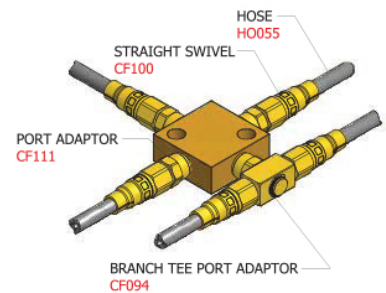
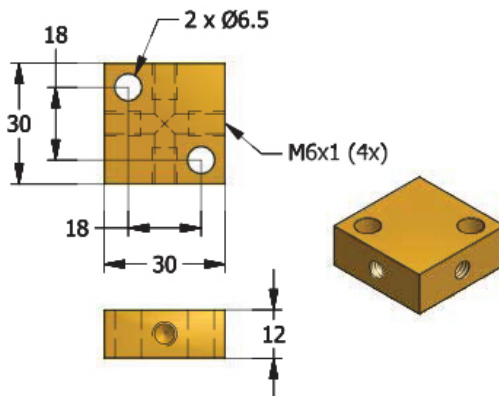
Distribution 10 Port Block



HB-10 USE EXAMPLE

Model: 18CB-4

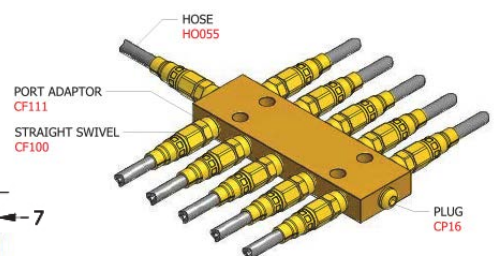
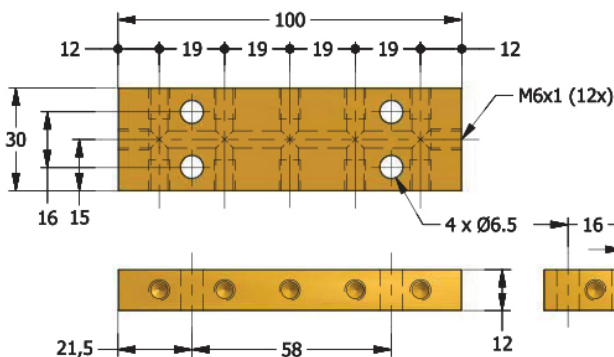
Compact 4 Block



CB-4 USE EXAMPLE

Model: 18CB-12

Compact 12 Block

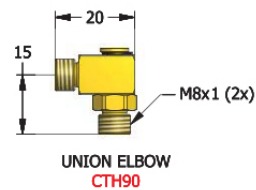
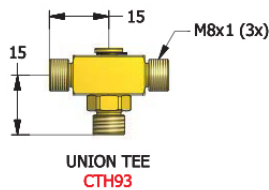
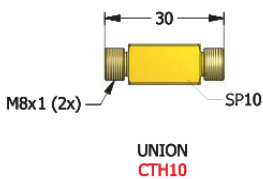
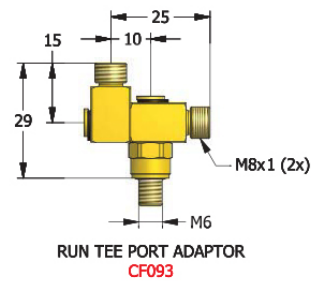
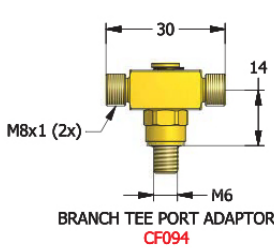
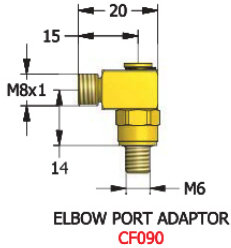
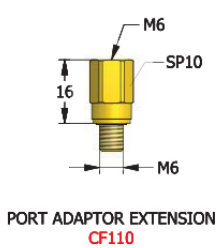
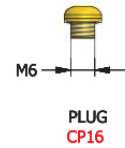
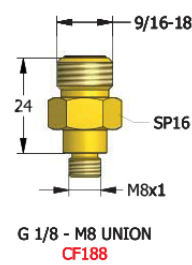
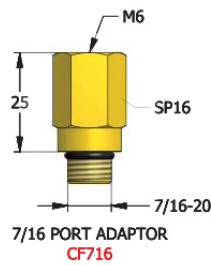
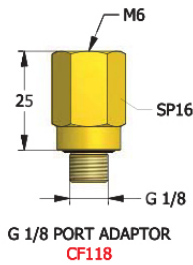
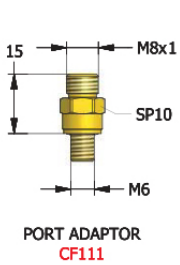
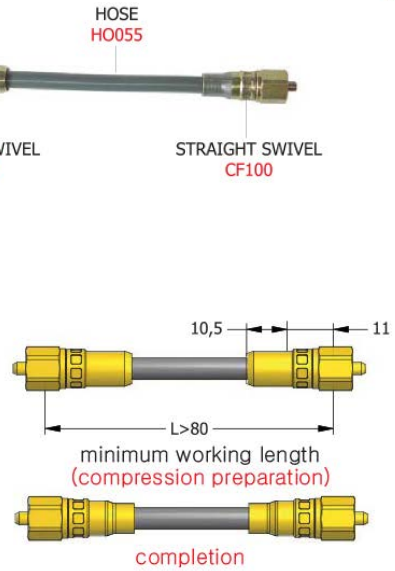
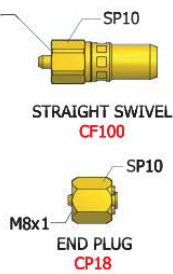
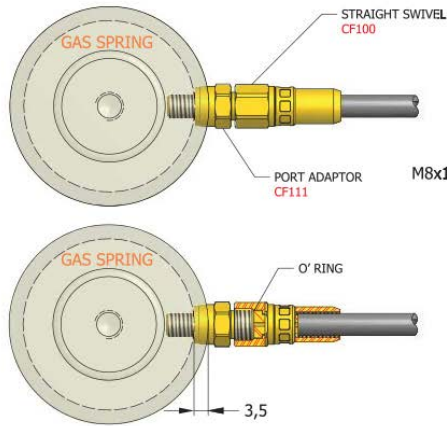


CB-12 USE EXAMPLE

Compact Fittings

ORDER 18 - Model ใช้ในพื้นที่แคบ
EXAMPLE 18CP18 Use in small area

i Working Pressure: 200bar
 Burst Pressure: 800bar
 Hose Minimum Bend Radius: R15
 Hose Outer Diameter: D5.5mm



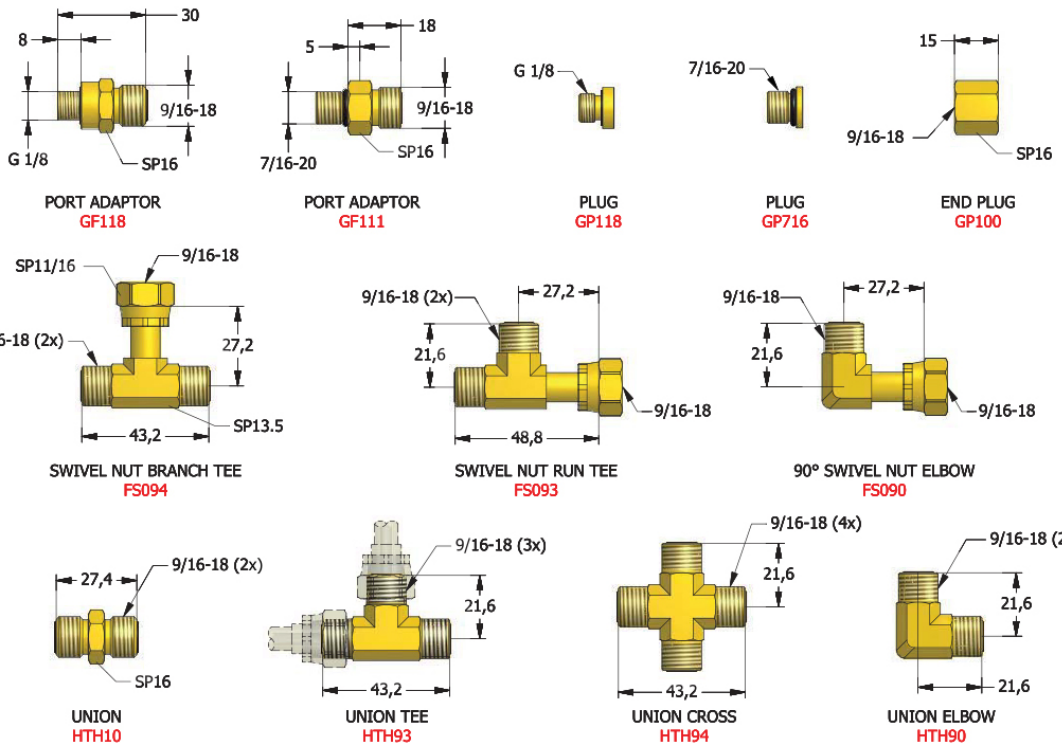
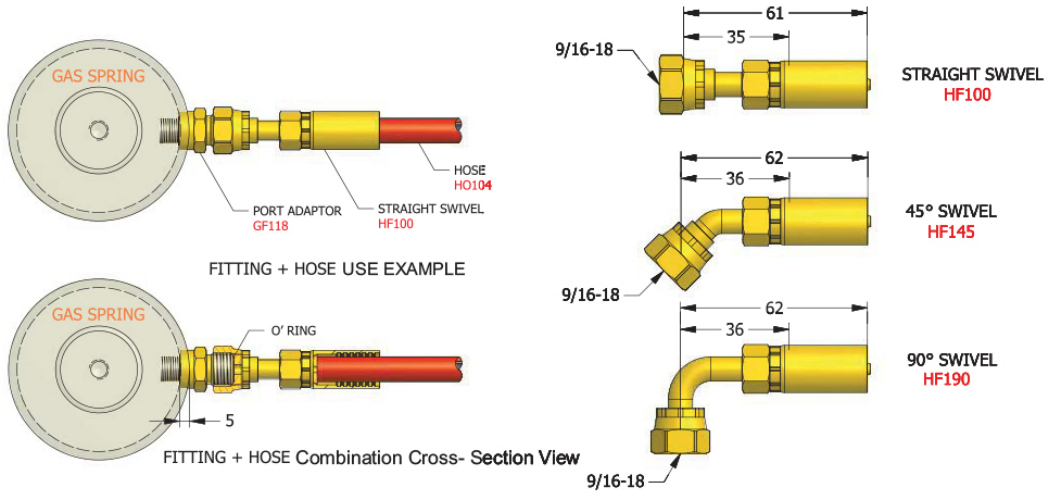
GF Fittings

ORDER
EXAMPLE

18 - Model
18GP111

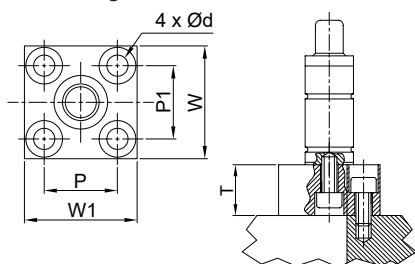
รุ่นที่ใช้ทั่วไป
Common usage type

i Working Pressure: 200bar
Burst Pressure: 700bar
Hose Minimum Bend Radius: R30
Hose Outer Diameter: D10.4mm



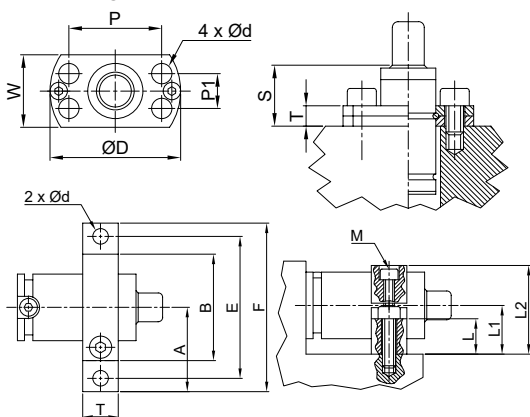


Mounting Model: 18SB



Mounting Model	W	W1	P	P1	d	T
18SB0500	70	70	50	50	9	20
18SB0750	75	75	56.5	56.5	9	20
18SB1500	100	100	73.5	73.5	11	20
18SB3000	120	120	92	92	13.5	20
18SB5000	140	140	109.5	109.5	13.5	20
18SB7500	190	190	138	138	17.5	25
18SB10000	210	210	170	170	17.5	25

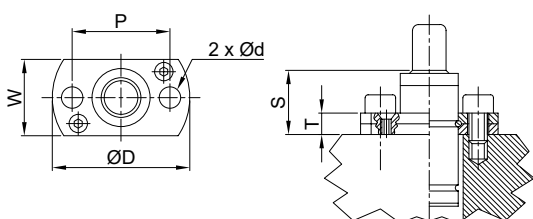
Mounting Model: 18SC



Mounting Model	D	W	P	P1	d	S	T
18SC0090	45	25	30	12	7	21.5	9
18SC0170	45	25	32	12	7	20.5	7

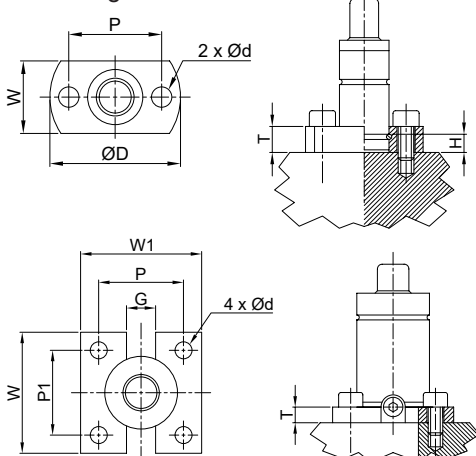
Mounting Model	A	B	E	F	d	T	M	L	L1	L2
18SC0500	54	66	82	100	9	20	M8	20	30	60
18SC0750	70	90	110	130	9	30	M8	20	40	80
18SC1500	85	115	137	160	11	30	M10	20	52.5	105
18SC3000	102.5	145	170	195	13	30	M12	20	62.5	125
18SC5000	115	165	195	220	13	30	M12	20	74	148
18SC7500	135	200	230	260	13	30	M12	20	100	200

Mounting Model: 18SG



Mounting Model	D	W	P	d	S	T
18SG0050	34	21	24	6.6	17.5	9
18SG0070	37	24	27	6.6	21.5	9
18SG0090	45	25	32	7	20.5	7
18SG0150	50	30	34	7	21.5	9
18SG0170	45	25	32	7	20.5	7
18SG0300	75	50	50	9	-	12

Mounting Model: 18SP



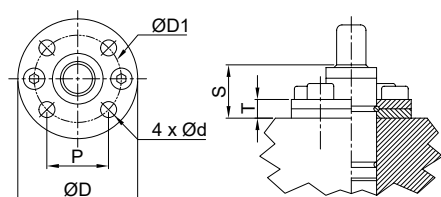
Mounting Model	D	W	P	d	T	H
18SP0090	45	25	32	7	10	7
18SP0170	45	25	32	7	10	7

Mounting Model	W	W1	P	P1	G	d	T
18SP0500	70	70	50	50	20	9	6.5
18SP0750	75	75	56.5	56.5	24	9	12
18SP0750M	75	75	56.5	56.5	24	9	6.5
18SP1500	100	100	73.5	73.5	24	11	12
18SP3000	120	120	92	92	24	13.5	12
18SP5000	140	140	109.5	109.5	24	13.5	12
18SP7500	190	190	138	138	24	17.5	12
18SP10000	210	210	170	170	24	17.5	13

Mounting

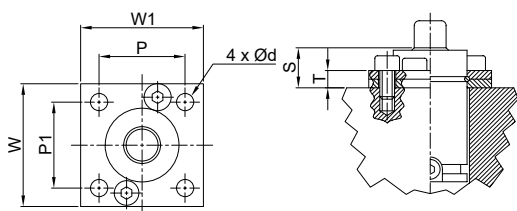


Mounting Model: 18SR



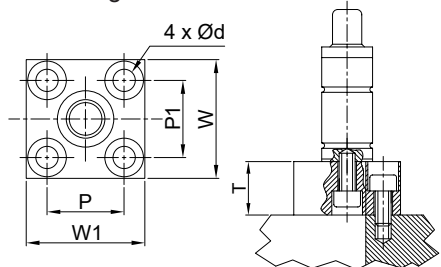
Mounting Model	D	D1	P	d	S	T
18SR0500	86	70.7	50	9	23	13
18SR0750	95	80	56.5	9	24	13
18SR1500	122	104	73.5	11	29	16
18SR3000	150	130	92	13.5	33	18
18SR5000	175	155	109.5	13.5	36	21
18SR7500	220	195	138	17.5	41	27

Mounting Model: 18ST



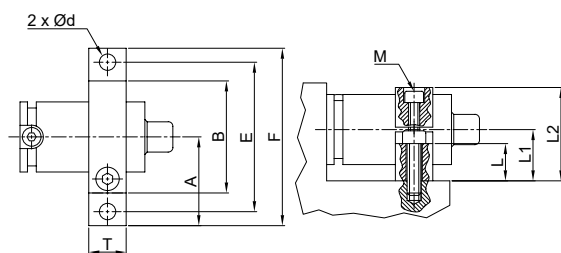
Mounting Model	W	W1	P	P1	d	S	T
18ST0500	64	64	50	50	9	23	13
18ST0750	70	70	56.5	56.5	9	24	13
18ST1500	90	90	73.5	73.5	11	29	16
18ST3000	110	110	92	92	13.5	33	18
18ST5000	130	130	109.5	109.5	13.5	36	21
18ST7500	162	162	138	138	17.5	41	27
18ST10000	210	210	170	170	17.5	47	27

Mounting Model: 18XB



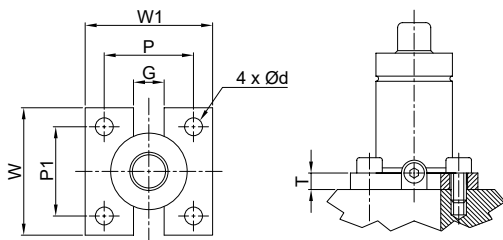
Mounting Model	W	W1	P	P1	d	T
18XB0150	40	40	28	28	7	20
18XB0320	40	40	28	28	7	20
18XB0750	70	70	50	50	9	20
18XB1000	75	75	56.5	56.5	9	20
18XB1500	100	100	73.5	73.5	11	20
18XB2400	100	100	73.5	73.5	11	20
18XB4200	120	120	92	92	13.5	20
18XB6600	140	140	109.5	109.5	13.5	20
18XB9500	190	190	138	138	17.5	25

Mounting Model: 18XC



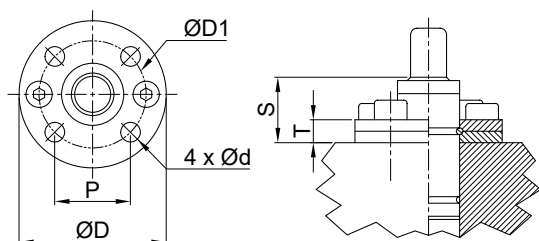
Mounting Model	A	B	E	F	d	T	M	L	L1	L2
18XC0300	53	59	77	95	9	20	M6	20	27.5	50.3
18XC0500	53	59	77	95	9	20	M6	20	27.5	50.3
18XC0750	54	66	82	100	9	20	M8	20	30	60
18XC1000	70	90	110	130	9	30	M8	20	40	80
18XC1500	85	102	123	146	11	30	M8	20	45	90
18XC2400	85	115	137	160	11	30	M10	20	52.5	105
18XC4200	102.5	145	170	195	13	30	M12	20	62.5	125
18XC6600	115	165	195	220	13	30	M12	20	74	148
18XC9500	135	200	230	260	13	30	M12	20	100	200

Mounting Model: 18XP



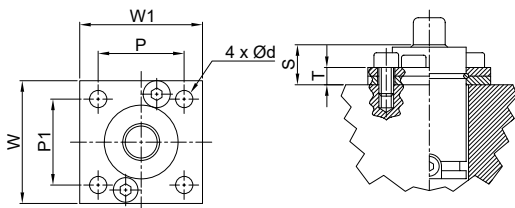
Mounting Model	W	W1	P	P1	G	d	T
18XP0150	40	40	28	28	5	7	5.5
18XP0300	55	55	40	40	12	7	6.5
18XP0350	50	50	35	35	12	7	6.5
18XP0500	55	55	40	40	12	7	6.5
18XP0750	70	70	50	50	20	9	6.5
18XP1000	75	75	56.5	56.5	24	9	12
18XP1500	85	85	60	60	24	11	12
18XP2400	100	100	73.5	73.5	24	11	12
18XP4200	120	120	92	92	24	13.5	12
18XP9500	190	190	138	138	24	17.5	12

Mounting Model: 18XR



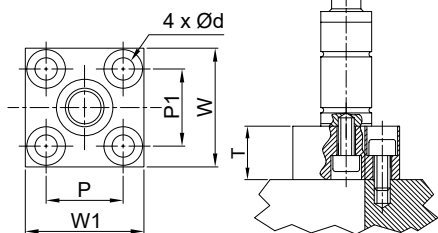
Mounting Model	D	D1	P	d	S	T
18XR0150	50	38	26.9	7	21.5	9
18XR0300	68	56.5	40	7	17	9
18XR0320	50	38	26.9	7	21.5	9
18XR0350	60	49.5	35	7	17	9
18XR0500	68	56.5	40	7	17	9
18XR0750	86	70.7	50	9	22	13
18XR1000	95	80	56.5	9	22	13
18XR1500	105	85	60.1	11	27	16
18XR2400	122	104	73.5	11	29	16
18XR4200	150	130	92	13.5	33	18
18XR6600	175	155	109.5	13.5	36	21
18XR9500	220	195	138	17.5	41	27

Mounting Model: 18XT



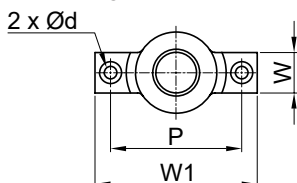
Mounting Model	W	W1	P	P1	d	S	T
18XT0300	52	52	40	40	7	17	9
18XT0500	52	52	40	40	7	17	9
18XT0750	64	64	50	50	9	22	13
18XT1000	70	70	56.5	56.5	9	22	13
18XT1500	90	90	73.5	73.5	11	27	16
18XT2400	90	90	73.5	73.5	11	29	16
18XT4200	110	110	92	92	13.5	33	18
18XT6600	130	130	109.5	109.5	13.5	36	21
18XT9500	162	162	138	138	17.5	41	27

Mounting Model: 18TB



Mounting Model	W	W1	P	P1	d	T
18TB1000	75	75	56.5	56.5	9	20
18TB2400	100	100	73.5	73.5	11	20
18TB4200	120	120	92	92	13.5	20
18TB9500	190	190	138	138	17.5	25

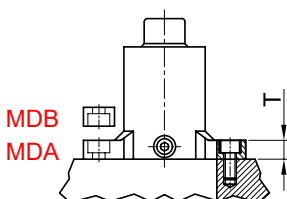
Mounting Model: 18MD



⚠ เชื่อมติดกับแก๊สสปริง
Welded

⚠ For Models:
18TSP
18TSX
18TST

Mounting Model	W	W1	P	d	T
18MD_1000	30	111	89	11	20
18MD_1500	30	122	102	11	20
18MD_2400	38	152	120	13	20
18MD_3000	38	178	146	13	20
18MD_4200	38	178	146	13	20
18MD_6600	38	197	165	13	20



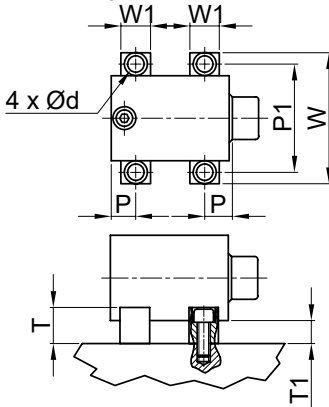
⚠ For Models:
18TSM
18TSS
18TSL

Mounting Model	W	W1	P	d	T
18MD_0750	30	111	89	11	20
18MD_1500	38	152	120	13	20
18MD_3000	38	178	146	13	20
18MD_5000	38	197	165	13	20

Mounting



Mounting Model: 18MK



❗ เชื่อมติดกับแก๊สสปริง Welded

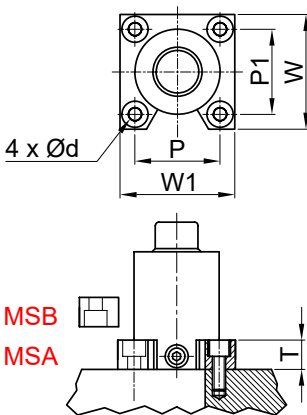
❗ For Models:
18TSP
18TSX
18TST

❗ For Models:
18TSM
18TSS
18TSL

Mounting Model	W	W1	P	P1	d	T	T1
18MK1000	89	24	17	68	11	20	12.7
18MK1500	105	26	21	83	13	30	17
18MK2400	118	26	23	95	13	32	19
18MK4200	137	26	23	115	13	32	19
18MK6600	174	32	26	146	17	32	19

Mounting Model	W	W1	P	P1	d	T	T1
18MK0750	89	24	17	68	11	20	12.7
18MK1500	118	26	23	95	13	32	19
18MK3000	137	26	23	115	13	32	19
18MK5000	174	32	26	146	17	32	19

Mounting Model: 18MS



❗ เชื่อมติดกับแก๊สสปริง Welded

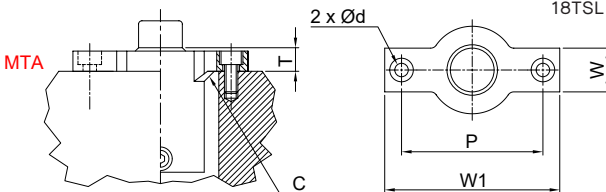
❗ For Models:
18TSP
18TSX
18TST

❗ For Models:
18TSM
18TSS
18TSL

Mounting Model	W	W1	P	P1	d	T
18MS_1000	76	76	54	54	11	25
18MS_1500	85	85	64	64	11	25
18MS_2400	102	102	76	76	13	25
18MS_4200	127	127	98	98	13	25
18MS_6600	140	140	114	114	13	25
18MS_9500	178	178	140	140	17.5	25

Mounting Model	W	W1	P	P1	d	T
18MS_0750	76	76	54	54	11	25
18MS_1500	102	102	76	76	13	25
18MS_3000	127	127	98	98	13	25
18MS_5000	140	140	114	114	13	25
18MS_7500	178	178	140	140	17.5	25
18MS_10000	224	224	178	178	21	25

Mounting Model: 18MT

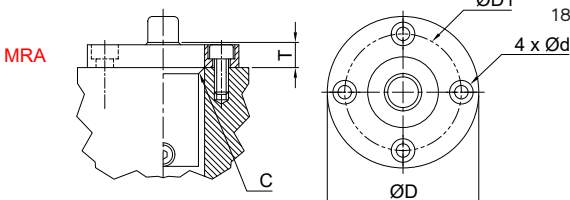


❗ เชื่อมติดกับแก๊สสปริง Welded

❗ For Models:
18TSM
18TSS
18TSL

Mounting Model	W	W1	P	d	C	T
18MT0750	30	111	89	11	7	19
18MT1500	38	152	120	13	9	19
18MT3000	38	178	146	13	10	19
18MT5000	38	197	165	13	10	19

Mounting Model: 18MR



❗ เชื่อมติดกับแก๊สสปริง Welded

❗ For Models:
18TSM
18TSS
18TSL

Mounting Model	D	D1	d	C	T
18MR0750	110	90	11	7	19
18MR1500	152	120	13	9	19
18MR3000	171	140	13	10	25
18MR5000	197	165	17	10	25