



MARINE SHINE CO.,LTD.

2/80 Bangna Complex Office Tower, 15th Floor,
Sai Bangna-Trad 25, Thepparat Road, Bangna Nuea,
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Email : info@marineshine.co.th

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www.marineshine.co.th

TOZEN
A joint reliance

VALVE for General Application
BUTTERFLY, CHECK, BALL, GATE, STRAINER





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2/80 Bangna Complex Office Tower, 15th Floor,
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Twinflex Flange Ends (Size 32A - 400A) and Screw Ends (Size 15A - 50A)

TWINFLEX & TWINFLEX 20



Size	Length(mm)	Flange														Screw Ends	
		FCD 45			Mild Steel						SUS304		Integrated FCD				
		JIS 10K	ANSI 150	PN16	JIS 10K	ANSI 150	ANSI 300	PN 10	PN 16	JIS 10K	ANSI 150	JIS 10K	ANSI 150				
15A	120	-	-	-	-	-	-	-	-	-	-	-	-	-	2,600		
20A	120	-	-	-	-	-	-	-	-	-	-	-	-	-	2,680		
25A	120	-	-	-	3,000	2,000	3,300	3,000	3,000	4,470	4,470	-	-	-	2,800		
32A	175	1,880	2,000	-	3,160	2,900	4,350	3,230	3,230	7,000	6,940	-	-	-	3,700		
40A	175	2,080	2,100	3,200	3,230	3,160	4,950	3,390	3,390	7,390	7,940	-	-	-	3,750		
50A	175	2,360	2,490	3,840	3,830	4,050	5,700	4,210	4,350	8,600	10,600	5,110	5,440	4,600			
65A	175	3,100	3,090	4,750	4,700	5,470	6,330	5,200	5,200	11,580	15,750	6,020	6,420	-			
80A	175	3,370	3,580	5,270	5,220	6,170	10,170	6,050	6,050	12,220	17,780	6,300	7,040	-			
100A	225	4,800	5,310	7,100	6,940	8,610	14,680	8,420	8,420	14,940	25,050	7,500	8,730	-			
125A	225	6,500	6,800	8,900	9,730	10,780	19,870	10,720	10,720	21,900	31,620	10,640	9,460	-			
150A	225	8,020	7,900	11,500	12,200	13,310	26,870	13,660	13,660	27,860	38,530	12,270	11,300	-			
200A	325	13,730	15,600	19,910	21,500	26,270	37,230	22,990	22,790	41,320	58,540	20,490	19,060	-			
250A	325	19,260	20,900	26,880	31,000	35,170	52,800	31,290	34,300	61,290	83,510	26,360	28,750	-			
300A	325	23,200	27,900	31,500	35,500	46,480	66,500	37,600	41,150	74,480	113,370	28,660	35,160	-			
350A	250	-	-	-	46,800	42,000	-	-	-	-	-	-	-	-			
400A	250	-	-	-	-	60,000	-	-	-	-	-	-	-	-			
450A	250	-	-	-	-	72,600	-	-	-	-	-	-	-	-			
500A	250	-	-	-	-	79,600	-	-	-	-	-	-	-	-			

Twinflex 20, Flange Ends (Size 150A - 300A)

Size	Length(mm.)	Flange : FCD45				Flange : Mild Steel					
		Integrated Type			Without Control Unit			Without Control Rods			
		JIS 10K	ANSI 150	JIS 10K	ANSI 150	PN16	JIS10K	ANSI 150	ANSI 300	PN 10	PN 16
150A	175	15,190	14,750	12,820	11,720	12,500	15,410	16,580	31,110	15,310	15,610
200A	200	21,360	18,910	18,200	17,330	17,810	21,410	26,860	40,660	24,460	24,660
250A	200	27,700	26,250	24,540	23,090	24,570	31,700	37,400	53,100	33,450	33,700
300A	200	30,820	31,870	30,290	31,900	32,400	44,778	54,334	71,446	42,556	45,890





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TOZEN - FLEX

Tozenflex, Flange Ends (Size 32A - 400A) and Screw Ends (Size 15A - 50A)



Size	Length(mm.)	Flange														Screw Ends
		FCD 45			Mild Steel						SUS304		Integrated FCD			
		JIS 10K	ANSI150	PN16	JIS 10K	ANSI 150	ANSI 300	PN 10	PN 16	JIS 10K	ANSI 150	JIS 10K	ANSI 150			
15A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25A		-	-	-	3,540	3,470	3,900	3,800	3,800	-	-	-	-	-	2,600	
32A	150	1,800	1,800	1,700	3,540	3,470	4,350	3,800	3,800	7,770	7,700	-	-	-	3,200	
40A	150	1,950	1,900	2,700	3,540	3,470	4,950	3,800	3,800	8,230	8,900	-	-	-	3,350	
50A	150	2,250	2,400	3,200	3,940	4,200	5,700	4,400	4,340	9,640	12,040	-	-	-	4,200	
65A	150	3,000	2,800	4,070	5,000	5,940	6,300	5,340	5,340	13,240	18,240	6,540	7,070	-	-	
80A	150	3,250	3,200	4,500	5,600	6,740	10,400	6,400	6,400	13,950	20,620	6,800	7,740	-	-	
100A	150	4,250	4,550	5,400	6,800	8,800	14,550	8,000	8,000	16,370	28,500	7,400	8,940	-	-	
125A	150	5,400	5,350	7,000	9,800	11,070	19,450	10,340	10,270	24,350	36,010	10,800	9,470	-	-	
150A	150	7,270	6,950	9,870	13,000	14,340	26,950	13,270	13,540	31,800	44,600	13,000	11,000	-	-	
200A	150	10,650	11,650	14,000	16,200	21,650	35,450	19,600	19,450	33,940	49,440	15,050	13,900	-	-	
250A	200	17,150	17,800	22,000	27,000	32,700	48,400	30,000	29,000	51,230	71,230	19,850	22,500	-	-	
300A	200	21,400	25,550	28,500	36,650	45,250	60,650	35,000	37,650	62,720	97,720	23,600	29,700	-	-	
350A	200	-	-	-	52,650	64,650	70,000	65,500	68,950	-	-	-	-	-	-	
400A	200	-	-	-	68,950	82,950	85,000	89,000	88,650	-	-	-	-	-	-	



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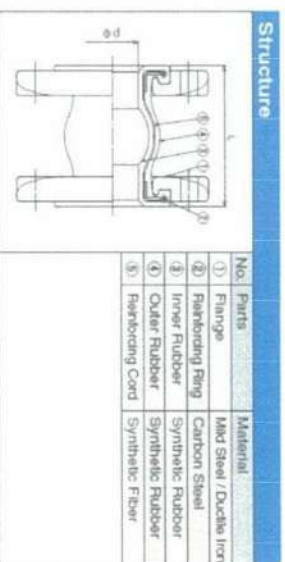
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TEN - FLEX



- Flanges with mild steel and ductile iron in JIS 10K, ANSI150, PN16 are standard. For other flanges, please consult us.
- Flange material can be changed to SUS304 and SUS316.

Tenflex, Flange Ends (Size 32A - 400A) and Screw Ends (Size 15A - 50A)



Size	Length(mm)	Flange											
		FCD 45			Mild Steel				SUS304		Integrated FCD		
		JIS 10K	ANSI150	PN16	JIS 10K	ANSI 150	PN 10	PN 16	JIS 10K	ANSI 150	JIS 10K	ANSI 150	
40A	100	1,700	1,600	2,250	2,900	2,900	3,000	3,000	6,440	6,940	-	-	
50A	100	1,800	1,950	2,550	3,150	3,550	3,500	3,450	7,420	9,220	-	-	
65A	100	2,400	2,250	3,200	3,900	4,600	4,300	4,300	10,070	13,820	5,050	5,450	
80A	100	2,450	2,600	3,550	4,250	5,100	4,850	4,850	10,540	15,540	5,200	5,900	
100A	100	2,850	3,250	4,050	5,150	6,800	6,050	6,050	12,330	21,430	5,600	6,750	
125A	120	4,100	4,500	5,350	7,600	8,500	8,000	7,900	18,470	27,220	8,300	7,300	
150A	120	5,400	5,250	7,350	9,700	10,700	9,900	10,100	23,780	33,380	9,700	8,900	
200A	120	6,900	7,900	10,200	13,900	18,150	15,500	16,000	31,690	47,190	12,800	11,700	
250A	130	9,650	10,250	13,550	20,250	24,950	21,500	21,950	47,440	67,440	15,850	18,200	
300A	130	10,900	15,050	15,900	25,900	34,500	24,650	28,150	58,130	93,130	16,650	22,750	



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PT-LS CONNECTOR

Description: Tozen PT-LS Connector spool arch type rubber expansion joint, flanged ends to JIS 10K or ANSI 150lb. or PN10



Size		Pressure Rating	Type A						Type B & C 100 mm Eccentricity				Type B & C 200 mm Eccentricity				Size	
Inch	mm		L	1-Arch Above-G	Under-G	L	2-Arch Above-G	Under-G	L	3-Arch Above-G	Under-G	L	4-Arch Above-G	Under-G	L	5-Arch Above-G	Inch	mm
20A	3/4	10	150	11,000	13,000	250	16,250	17,500	350	20,500	24,000	450	27,250	28,750	450	27,250	3/4	20A
25A	1	10	150	11,250	13,500	250	17,000	18,000	350	21,250	24,750	450	27,750	29,500	450	27,750	1	25A
32A	1 1/4	10	150	11,500	17,500	250	19,000	20,500	350	24,500	27,500	450	30,000	33,750	450	30,000	1 1/4	32A
40A	1 1/2	10	150	12,500	18,000	250	20,500	22,000	350	25,000	28,500	450	32,500	34,500	450	32,500	1 1/2	40A
50A	2	10	150	15,000	19,000	250	22,250	24,000	350	26,000	30,250	450	35,000	36,500	450	35,000	2	50A
65A	2 1/2	10	150	19,250	21,750	250	26,500	28,250	350	30,000	34,750	450	40,000	41,500	450	40,000	2 1/2	65A
80A	3	10	150	20,250	22,500	300	27,750	28,750	350	32,500	37,000	450	42,500	45,000	450	42,500	3	80A
100A	4	10	150	23,750	25,000	300	28,000	30,750	350	36,750	42,000	450	50,000	55,000	450	50,000	4	100A
125A	5	8	150	27,750	30,250	300	34,500	37,000	350	50,000	57,500	450	60,000	62,750	450	60,000	5	125A
150A	6	8	200	35,750	38,250	300	43,250	47,000	500	59,250	67,000	600	70,000	75,000	600	70,000	6	150A
200A	8	8	200	42,000	45,000	300	47,250	55,500	500	78,250	91,000	600	97,500	105,000	600	97,500	8	200A
250A	10	8	200	61,000	64,000	300	67,750	80,000	500	104,500	119,000	600	130,000	137,500	600	130,000	10	250A
300A	12	8	200	77,500	80,000	300	88,500	99,000	550	135,750	155,000	650	168,250	180,000	650	168,250	12	300A
350A	14	5	200	103,500	111,000	350	139,000	142,000	550	196,500	226,500	650	215,000	225,000	650	215,000	14	350A
400A	16	5	200	140,000	145,000	350	151,000	166,750	550	223,250	263,500	650	250,000	260,000	650	250,000	16	400A
450A	18	5	200	165,000	170,000	350	181,000	200,000	550	237,750	293,500	650	288,250	295,000	650	288,250	18	450A
500A	20	5	250	180,000	185,000	350	202,000	210,000	550	250,000	305,000	650	300,000	325,000	650	300,000	20	500A
600A	24	5	250	242,500	251,000	400	293,250	302,500	550	327,500	345,000	650	349,000	385,000	650	349,000	24	600A



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PT-LS CONNECTOR

Description : Tozen PT-LS Connector spool arch type rubber expansion joint,

W/P 16 BAR Flanged ends to : PN16



Size												Size		
			1-Arch			2-Arch			3-Arch					
inch	mm	L	Above-G	Under-G	L	Above-G	Under-G	L	Above-G	Under-G	inch	mm		
32A	1 1/4	200	23,900	26,200	250	26,200	28,900	350	35,800	38,600	1 1/4	32A		
40A	1 1/2	200	23,900	26,200	250	28,600	31,500	350	35,800	38,600	1 1/2	40A		
50A	2	200	25,000	27,500	250	31,000	34,100	350	38,100	41,200	2	50A		
65A	2 1/2	220	27,100	29,800	300	35,100	38,600	350	40,500	43,900	2 1/2	65A		
80A	3	220	28,100	30,900	300	35,800	39,300	350	44,100	47,700	3	80A		
100A	4	250	31,700	34,800	300	38,100	41,900	400	52,500	56,800	4	100A		
125A	5	250	34,000	37,400	300	44,900	49,400	400	71,600	77,300	5	125A		
150A	6	280	44,000	46,000	400	52,400	57,700	500	83,900	90,500	6	150A		
200A	8	300	52,300	57,500	400	68,200	75,000	500	111,300	120,300	8	200A		
250A	10	300	70,100	72,400	400	87,700	96,400	500	153,400	165,600	10	250A		
300A	12	300	98,700	102,500	400	123,300	135,600	550	189,000	204,200	12	300A		
350A	14	350	159,100	164,400	450	197,200	216,900	550	279,600	307,800	14	350A		
400A	16	350	192,100	197,700	450	213,600	235,000	550	315,500	347,200	16	350A		
450A	18	350	223,600	230,300	450	253,100	278,400	550	328,700	394,400	18	350A		
500A	20	350	299,900	312,100	450	337,100	370,800	550	427,600	536,200	20	350A		
600A	24	400	358,500	378,600	500	517,300	569,000	550	578,500	620,700	24	350A		



VIBRATION ISOLATOR

Tozen Floor Mounting Single Spring Isolator

25mm Deflection

Model :	Baht
PTM-A-25	750
PTM-A-35	790
PTM-A-50	820
PTM-A-80	870
PTM-A-120	900
PTM-A-175	920
PTM-A-225	980
PTM-A-200	2,000
PTM-A-300	2,150
PTM-A-450	2,200
PTM-A-600	2,400
PTM-A-825	2,800
PTM-A-1100	2,970
PTM-A-1400	3,380

Tozen Heavy Loading Multiple Spring Isolator

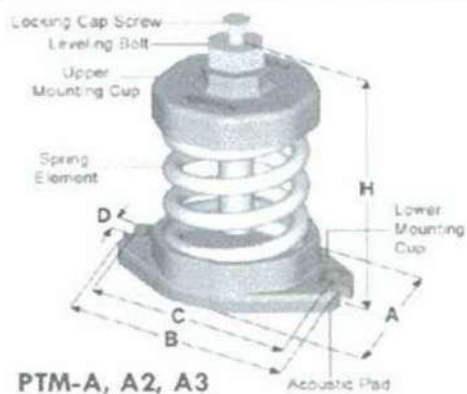
25mm Deflection

Model :	Baht
PTM-AM-1652	4,930
PTM-AM-2202	5,100
PTM-AM-2802	5,740
PTM-AM-3304	9,600
PTM-AM-4404	9,800
PTM-AM-5604	10,500

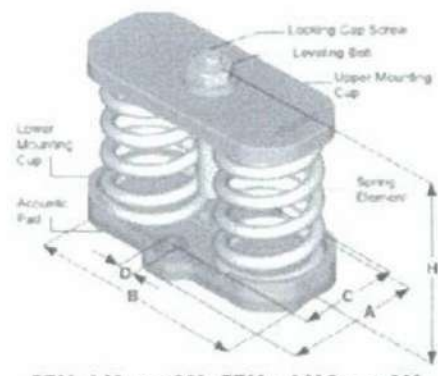
Tozen Floor Mounting Single Spring Isolator

50mm Deflection

Model :	Baht
PTM-A2-25	1,600
PTM-A2-35	1,700
PTM-A2-50	1,900
PTM-A2-80	1,800
PTM-A2-125	1,900
PTM-A2-175S	2,000
PTM-A2-250	2,100
PTM-A2-175M	2,900
PTM-A2-245	3,000
PTM-A2-350	3,200
PTM-A2-525	3,200
PTM-A2-750	3,500
PTM-A2-1050	4,600



PTM-A, A2, A3



PTM-AM-xxx2M, PTM -AM2-xxx2M



VIBRATION ISOLATOR

Tozen Heavy Loading Multiple Spring Isolator

50mm Deflection

Model :	Baht
PTM-AM2-1502	6,100
PTM-AM2-2102	8,170
PTM-AM2-3004	11,200
PTM-AM2-4204	15,700

Tozen Floor Mounting Single Spring Isolator

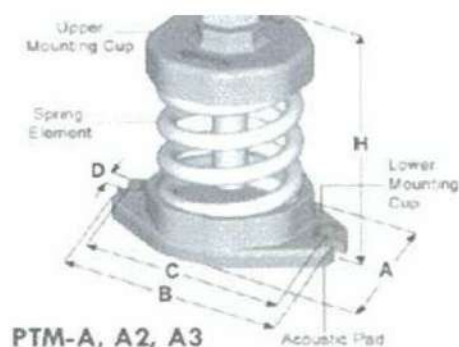
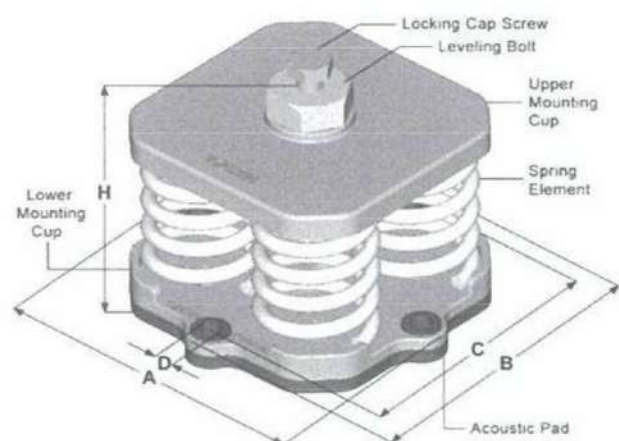
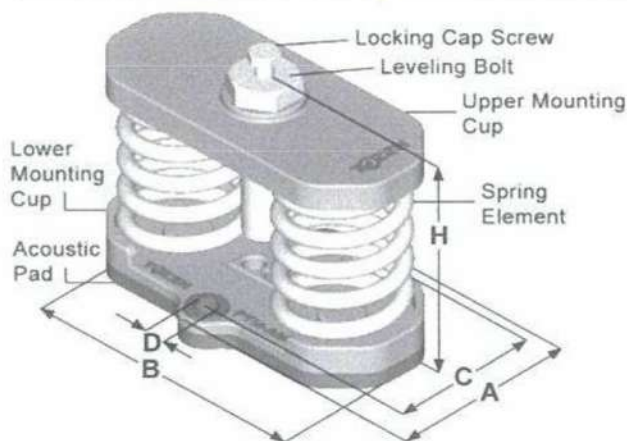
75mm Deflection

Model :	Baht
PTM-A3-180	2,960
PTM-A3-255	3,400
PTM-A3-375	4,300
PTM-A3-555	4,600
PTM-A3-810	5,000
PTM-A3-1065	6,200

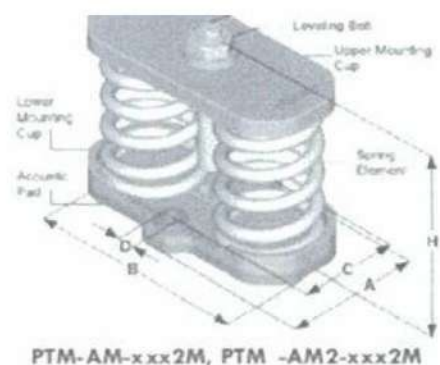
Tozen Heavy Loading Multiple Spring Isolator

75mm Deflection

PTM-AM3-1112	12,500
PTM-AM3-1622	13,000
PTM-AM3-2132	13,500



PTM-A, A2, A3



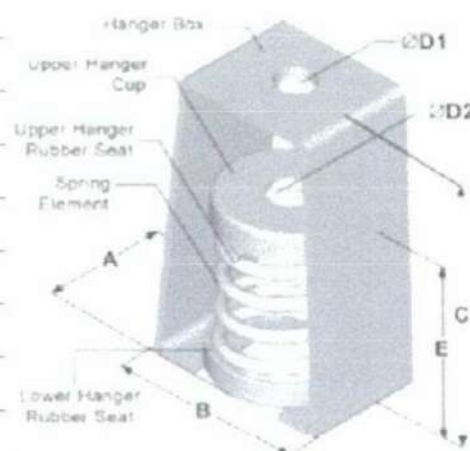
PTM-AM-xxx2M, PTM-AM2-xxx2M



VIBRATION ISOLATOR

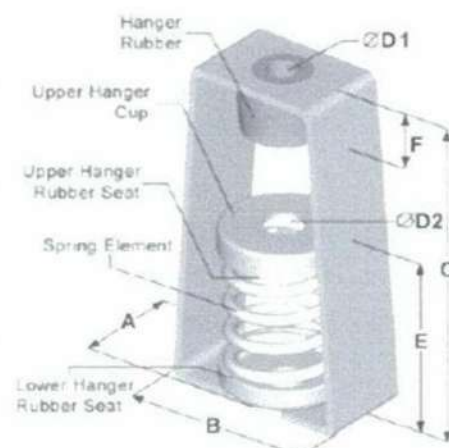
"Tozen" Spring Vibration Isolating Hanger 50mm Deflection

Model :	Baht
PTH-S2-25	1,700
PTH-S2-35	1,700
PTH-S2-50	1,900
PTH-S2-80	1,900
PTH-S2-125	2,000
PTH-S2-175S	2,100
PTH-S2-250	2,600
PTH-S2-175M	9,800
PTH-S2-245	10,000
PTH-S2-350	11,500
PTH-S2-525	12,000
PTH-S2-750	12,800
PTH-S2-1052	13,800
PTH-S2-1502	22,000
PTH-S2-2102	24,800
PTH-S2-3004	25,800
PTH-S2-4204	28,200



"Tozen" Spring and Rubber Vibration Isolating Hanger 50mm Deflection

Model :	Baht
PTH-SG2-25	2,200
PTH-SG2-35	2,300
PTH-SG2-50	2,500
PTH-SG2-80	2,400
PTH-SG2-125	2,600
PTH-SG2-175	4,700
PTH-SG2-245	4,800
PTH-SG2-350	5,000
PTH-SG2-525	6,400
PTH-SG2-750	6,800



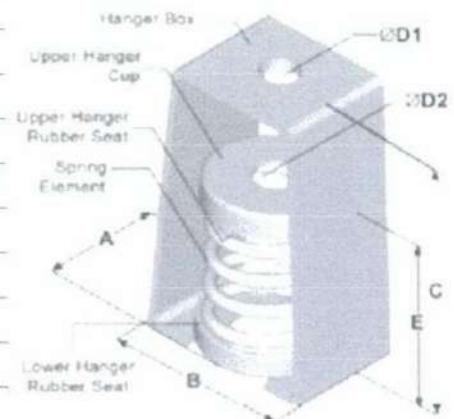


VIBRATION ISOLATOR

"Tozen" Spring Vibration Isolating Hanger

25mm Deflection

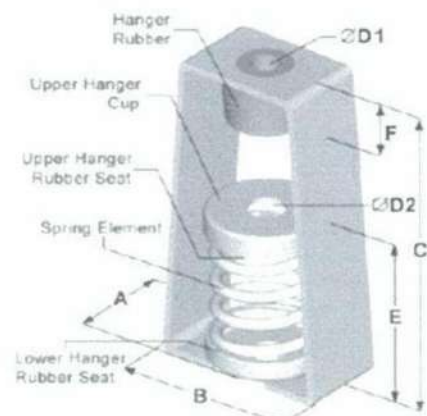
Model :	Baht
PTH-S-10	630
PTH-S-15	650
PTH-S-25	670
PTH-S-35	700
PTH-S-50	720
PTH-S-80	750
PTH-S-120	760
PTH-S-175	770
PTH-S-225	870
PTH-S-300	2,000
PTH-S-450	2,400
PTH-S-600	3,100
PTH-S-825	3,300
PTH-S-1100	3,500
PTH-S-1202	12,000
PTH-S-1652	12,500
PTH-S-2202	13,000
PTH-S-2802	15,400
PTH-S-3304	22,500
PTH-S-3604	23,600
PTH-S-4404	25,400
PTH-S-5604	28,800



"Tozen" Spring and Rubber Vibration Isolating Hanger

25mm Deflection

Model :	Baht
PTH-SG-25	880
PTH-SG-35	920
PTH-SG-50	950
PTH-SG-80	980
PTH-SG-120	1,000
PTH-SG-175	1,100
PTH-SG-200	2,100
PTH-SG-300	2,500
PTH-SG-450N	2,700
PTH-SG-600N	4,800
PTH-SG-825N	5,200





VIBRATION ISOLATOR

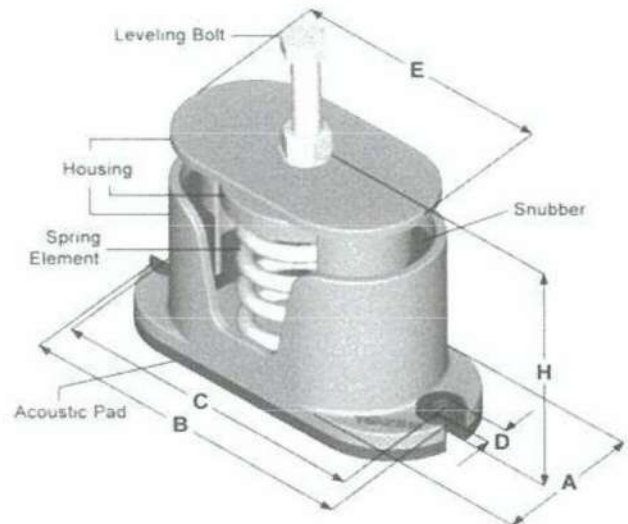
Tozen "Noise and Vibration Control Products"

PTM-C HOUSE SPRING ISOLATOR

25mm Deflection

Size :	PTM-C-
200	3,500
300	3,600
450	3,900
600	4,500
825	4,650
1100	4,700
1400	4,900
1652	12,000
2202	12,500
2802	13,500

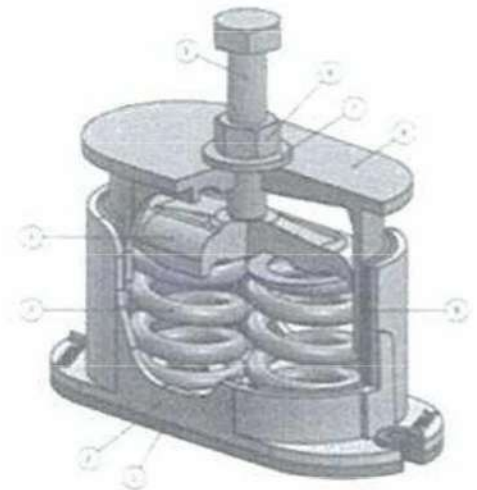
Baht



50mm Deflection

Size :	PTM-C2
175	12,500
245	13,000
350	13,500
525	13,800
750	14,000
1050	16,000

Baht



PTH-SG-25 880

PTH-SG-35 920

PTH-SG-50 950

PTH-SG-80 980

PTH-SG-120 1,000

PTH-SG-175 1,100

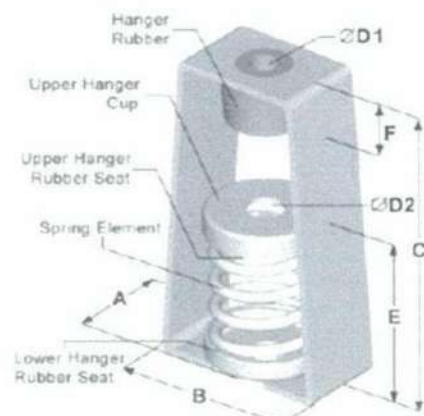
PTH-SG-200 2,100

PTH-SG-300 2,500

PTH-SG-450M 2,700

PTH-SG-600M 4,800

PTH-SG-825M 5,200





VIBRATION ISOLATOR

Tozen "Noise and Vibration Control Products"

25mm Deflection

Size :	PTM-D
451	3,300
601	3,700
826	4,250
1100	4,500
1401	4,800
1652	6,800
2202	6,850
2802	7,190
3304	12,500
4404	12,700
5604	13,900
6606	34,500
8406	39,100

Size :	PTM-D2
176	4,400
246	4,590
351	4,670
526	4,750
751	5,200
1051	6,200
1502	9,000
2102	11,500
3004	16,600
4204	20,600
4506	43,200
6306	52,000

Size :	PTM-D3
180	10,300
255	10,600
375	11,200
555	13,600
810	13,900
1065	14,300
1112	20,800
1622	21,500
2132	34,500
2224	40,000
3244	42,000
4264	43,800

Baht



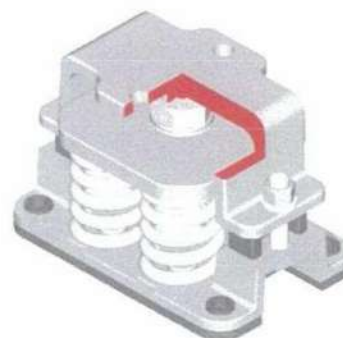
PTM-D= 451M, 601M, 826M, 1101M, 1401M
PTM-D2=176, 246, 351, 526, 751, 1051

Baht

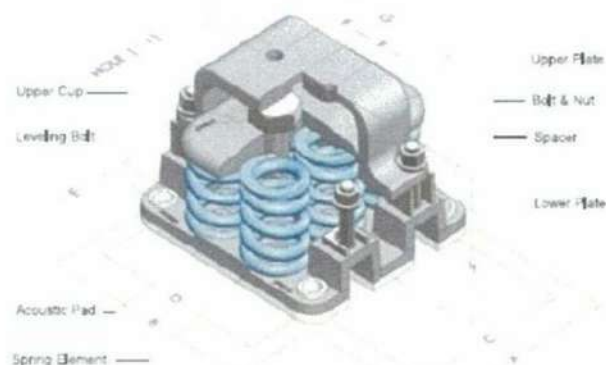


PTM-D-1652M, 2202M, 2802M
PTM-D2 1502, 2102

Baht



PTM-D-3304M, 4404M, 5604M
PTM-D2 3004, 4204





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CHECK VALVE

Tozen Model: CDCV-W Wafer type double door check valve

Body: Cast Iron (FC25)

Shaft: 316 SS (Stainless Steel)

Seat: EPDM

Working Pressure: 16 Bar (Size from 50mm. to 400mm.)

10 Bar (Size from 450mm. to 800mm.)

Flange: ANSI150



Size:	SUS 316 Disc
50A	2,300
65A	3,000
80A	4,300
100A	6,000
125A	7,900
150A	11,500
200A	20,100
250A	31,000
300A	45,000
350A	72,500
400A	114,900
450A	155,500
500A	184,800
600A	268,100



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BUTTERFLY VALVE

Tozen Series BFV-W Wafer Type Butterfly Valves

A.) Material of Construction:

Body: Cast iron (FC25)
Disc: Nickel plated ductile iron (FCD45)
Shaft: 416SS (Stainless steel)
Seat: EPDM
Working Pressure: 16 Bar
Flange: JIS10kg/cm2 / ANSI#150 / BS4504 PN16

c/w Lever Operator

Size:	Baht/pc
50mm	2,300
65mm	2,500
80mm	2,700
100mm	3,250
125mm	4,000
150mm	4,800
200mm	6,500

c/w Gear Operator

Size:	Baht/pc
50mm	4,350
65mm	4,700
80mm	5,000
100mm	5,800
125mm	7,000
150mm	7,800
200mm	11,000
250mm	14,400
300mm	20,000
350mm	28,000
400mm	58,000
450mm	72,000
500mm	107,000
600mm	148,500
700mm	200,000
800mm	220,000

B.)

Same as Item A., but

Disc: SUS304 (Stainless)



c/w Lever Operator

Size:	Baht/pc
50mm	2,650
65mm	3,000
80mm	3,300
100mm	4,350
125mm	5,600
150mm	7,100
200mm	10,500

c/w Gear Operator

Size:	Baht/pc
50mm	4,700
65mm	5,200
80mm	5,650
100mm	6,900
125mm	8,500
150mm	10,000
200mm	15,500
250mm	21,500
300mm	32,000
350mm	43,000
400mm	74,000
450mm	94,500
500mm	150,000
600mm	210,000
700mm	360,000
800mm	400,000



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BUTTERFLY VALVE

Tozen Series BFV-W Butterfly Valves, Lugged Type ***

A.) Material of Construction:

Body: Cast iron (FC25)
Disc: Nickel plated ductile iron (FCD45)
Shaft: 416SS (Stainless steel)
Seat: EPDM
Working Pressure: 16 Bar
Flange: JIS10kg/cm2 / ANSI#150 / BS4504 PN16

B.)

Same as Item A., but

Disc: SUS304 (Stainless)



c/w Lever Operator

Size:	Baht/pc
50mm	3,030
65mm	3,320
80mm	3,480
100mm	4,530
125mm	5,600
150mm	6,570
200mm	8,990

c/w Lever Operator

Size:	Baht/pc
50mm	3,440
65mm	3,870
80mm	4,220
100mm	5,760
125mm	7,410
150mm	9,230
200mm	12,770

c/w Gear Operator

Size:	Baht/pc
50mm	5,370
65mm	5,800
80mm	6,270
100mm	7,480
125mm	9,020
150mm	10,130
200mm	14,080
250mm	18,880
300mm	25,580
350mm	37,110
400mm	72,900
450mm	90,760
500mm	134,760
600mm	193,600

c/w Gear Operator

Size:	Baht/pc
50mm	5,790
65mm	6,350
80mm	7,010
100mm	8,720
125mm	10,830
150mm	12,810
200mm	19,030
250mm	24,730
300mm	36,840
350mm	49,030
400mm	91,660
450mm	129,200
500mm	184,720
600mm	282,220



Tozen' YF150 Ductile Iron Y-Strainer, Flange ends drilled to ANSI 150

BODY : Ductile Iron

MODEL : DYS-B

WORKING PRESSURE : 16 Bar

Y-STRAINER VALVE



SIZE	ANSI 150
50mm	4,300
65mm	5,700
80mm	7,350
100mm	11,000
125mm	14,500
150mm	19,900
200mm	35,000
250mm	69,000
300mm	97,000
350mm	145,000
400mm	220,000



BRASS & BRONZE VALVE

Product: "Tozen" Gate Valve, Ball Valve, Y-Pattern Strainer, Globe Valve

CLASS 125 BRASS GATE VALVE (FIG : 3101)

**Non-Rising, Screwed Bonnet, Stem, Solid Wedge Disc, Integral Seat,
200 psi W.O.G. non-shock, Threaded Ends to BS21**



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
@ Bht	550	740	1,160	1,600	2,330	3,650	7,200	9,500	15,600

CLASS 150 BRONZE GATE VALVE (FIG : 3152)

**Non-Rising, Screwed Bonnet, Stem, Solid Wedge Disc, Integral Seat,
300 psi W.O.G. non-shock, Threaded Ends to BS21**



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
@ Bht	650	829	1,195	1,713	2,560	3,900	7,200	11,600	20,800

CLASS 150 BRONZE GATE VALVE (FIG : 3153)

**Model "R-GGV" Rising, Screwed Bonnet, Stem, Solid Wedge Disc, Integral Seat,
300 psi W.O.G. non-shock, Threaded Ends to BS21**



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
@ Bht	1,100	1,800	2,750	3,200	4,550	6,000	14,500	20,000

TYPE 600 BRONZE BALL VALVE (FIG : 1251)

**Screwed Body Cap, Full Port Flow Passage, PTFE Seats, Blowout Proof Stem
600 psi, W.O.G. non-shock, Threaded Ends.**



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
@ Bht	720	1,150	1,520	2,500	3,120	5,600

CLASS 150 BRONZE Y-PATTERN STRAINER (FIG : 7654L)

**Y-Pattern Body, Screwed Cap with Plug, SUS304 Screen
300 psi. W.O.G. non-shock, Threaded Ends to BS21 or NPT**



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
@ Bht	585	935	1,600	2,300	4,500	7,800	11,220	13,180

CLASS 150 BRONZE SWING CHECK VALVE (FIG : 5451)

MODEL "GSCV" Screwed Ends to BS21



Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
@ Bht	750	1,250	1,890	2,600	3,500	5,400	7,000	8,500