

The core of the pressure class 150, 300, 600, & 800 globe valve

CONNECTION	SERIES		BODY/BONNET	TRIM	SEAT	RATING		
	1	2						
Threaded Socket Weld Threaded/Socket Weld Butt Weld (Sch 40)**	SW TSW BW	F12141	F13141	A105	13% Cr	HF	1975 PSI @ 100 F	136.2 BAR @ 38 C
		F32141	F33141	A350 LF2	13% Cr	HF	1975 PSI @ -50 F	136.2 BAR @ -46 C
		F12501	F13501	F316/F316L	316		1920 PSI @ 100 F	132.4 BAR @ 38 C
		F82501	F83501	F316H	316H			
		F12351	F13351	F11,Cl.2(1-1/4 Cr.)	13% Cr	HF	2000 PSI @ 100 F	137.9 BAR @ 38 C
		F12551	F13551	F22,Cl.3(1-1/4 Cr.)				

- 1 Conventional Port
- 2 Full Port

Auxiliary Operators

The superstructure of Globe valves are FORGED, RUGGED and lend themselves to the adaptation of auxiliary operators.

Any of globe valves with bolted or seal-welded bonnets can be furnished with choice of operators. Auxiliary operators are generally limited to 1" and larger size valves. Request for quotations are invited.

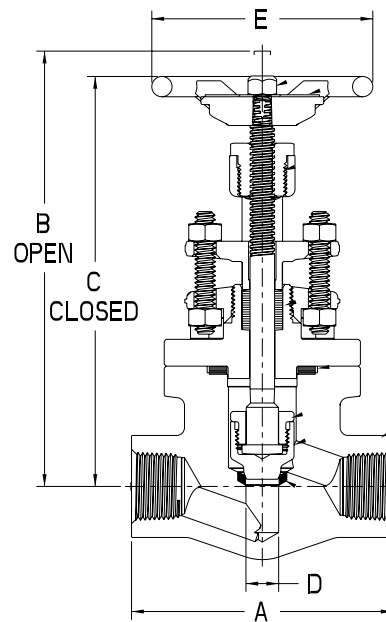
Auxiliary operators for Globe valves are normally custom mounted in our plant where limit and torque switches, as applicable, can be set and valves tested to users' specifications.



Motor Operated Valve

Class 800 Forged Globe Valve

Round Bolted Bonnet
Spiral Wound Gasket
Outside Screw & Yoke
Bolted Gland
Loose Disc
Integral Seat
ASME B16.34



Dimensions

SIZE	A	B	C	D	E	WEIGHT	Cv	T	P	
NPS ½	3.75	6.63	6.24	.50	4.00	5.1	2.4	4.7	12	1
DN 15	95	169	158	12.7	102	2.3				
NPS ¾	4.00	6.66	6.24	.50	4.00	5.5	4.3	5.0	12	
DN 20	102	169	158	12.7	102	2.5				
NPS 1	4.62	8.52	7.91	.75	4.75	9.5	7.3	6.1	10	
DN 25	117	216	201	19.1	121	4.3				
NPS 1 ¼	6.25	10.42	9.62	1.28	5.75	21.0	14.2	8.0	10	
DN 32	159	265	244	32.5	146	9.5				
NPS 1½	6.25	10.42	9.62	1.28	5.75	20.1	20.4	8.0	10	
DN 40	159	265	244	32.5	146	9.1				
NPS 2	7.75	11.09	10.17	1.53	8.00	30.8	23.1	7.4	8	
DN 50	197	282	258	38.9	203	14.0				
NPS 2½	9.00	13.09	12.39	2.00	8.00	50.2	35.6	5.6	8	
DN 65	229	338	315	50.8	203	22.8				

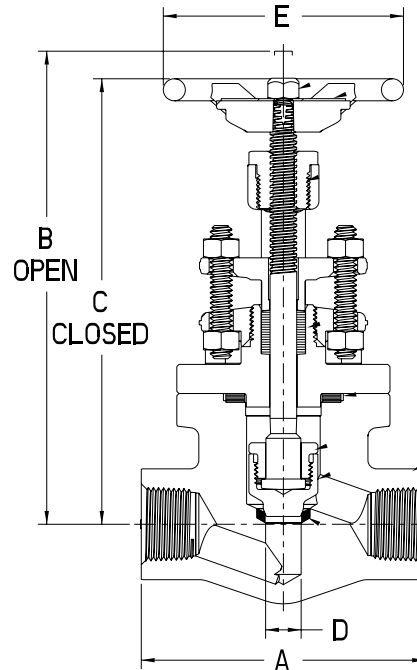
T – Approximate number of turns from open to close.

P – Pitch of stem thread.

NPS ½	4.00	6.63	6.24	.50	4.00	5.7	3.0	4.7	12	2
DN 15	102	169	158	12.7	102	2.6				
NPS ¾	4.62	8.52	7.91	.75	4.75	9.8	6.8	6.1	10	
DN 20	117	216	201	19.1	121	4.4				
NPS 1	6.25	10.42	9.62	1.28	5.75	21.5	14.5	8.0	10	
DN 25	159	265	244	32.5	146	9.8				
NPS 1¼	6.25	10.42	9.62	1.28	5.75	20.6	17.2	8.0	10	
DN 32	159	265	244	32.5	146	9.3				
NPS 1½	7.75	11.09	10.17	1.53	8.00	31.8	24.4	7.4	8	
DN 40	197	282	258	38.9	203	14.4				
NPS 2	9.00	13.09	12.39	2.00	8.00	51.8	37.6	5.6	8	
DN 50	229	338	315	50.8	203	23.5				

Class 1500 Forged Globe Valve

Round Bolted Bonnet
Spiral Wound Gasket
Outside Screw & Yoke
Bolted Gland
Loose Disc
Integral Seat
ASME B16.34



CONNECTION	SERIES	BODY/BONNET	TRIM	SEAT	RATING	
Threaded Socket Weld	F15141	A105	13% Cr	HF	3705 PSI @ 100 F	255.3 BAR @ 38 C
	F35141	A350 LF2	13% Cr	HF	3705 PSI @ 100 F	255.3 BAR @ 38 C
					3705 PSI @ -50 F	255.3 BAR @ -46 C
	F15501	F316/F316L	316		3600 PSI @ 100 F	248.2 BAR @ 38 C
	F15351	F11 Cl.2	13% Cr	HF	3750 PSI @ 100 F	258.6 BAR @ 38 C
F15551	F22 Cl.3	13% Cr	HF	3750 PSI @ 100 F	258.6 BAR @ 38 C	

Dimensions

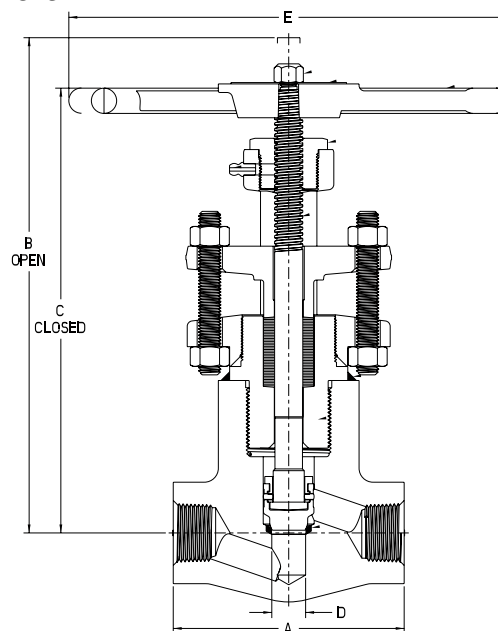
SIZE		A	B	C	D	E	WEIGHT	Cv	T	P
NPS	½	4.50	7.90	7.49	0.50	4.75	10.0	3.1	4.1	10
DN	15	114	201	190	12.7	121	4.5			
NPS	¾	4.50	7.90	7.49	0.50	4.75	9.8	3.3	4.1	10
DN	20	114	201	190	12.7	121	4.4			
NPS	1	6.25	10.16	9.62	0.75	7.00	22.4	5.9	5.4	10
DN	25	159	258	244	19.1	178	10.2			
NPS	1¼	7.75	11.02	10.54	1.12	8.00	36.0	13.8	3.8	8
DN	32	197	280	268	28.4	203	16.3			
NPS	1½	7.75	11.02	10.54	1.12	8.00	35.3	13.8	3.8	8
DN	40	197	280	268	28.4	203	16.0			
NPS	2	9.00	13.30	12.56	1.38	9.75	61.4	21.4	5.9	8
DN	50	229	338	319	35.1	248	27.9			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.

Class 2500/2680 Forged Globe Valve Full Port

Welded Bonnet
Outside Screw & Yoke
Bolted Gland
Loose Solid Stellite Disc
Integral Hard Faced Seat
ASME B16.34 LTD Pressure Class



CONNECTION	SERIES	BODY/BONNET	TRIM	SEAT	RATING		CLASS
Threaded	F66723	A105	13% Cr	HF	6250 PSI @ 100 F	430.9 BAR @ 38 C	2500 LTD
	F66733	F11 Cl.2					
	F66793	F22 Cl.3					
	F66783	F91					

Socket Weld	SW F66723	A105	13% Cr	HF	6700 PSI @ 100 F	461.9 BAR @ 38 C	2680 LTD
	SW F66733	F11 Cl.2					
	SW F66793	F22 Cl.3					
	SW F66783	F91					

Dimensions

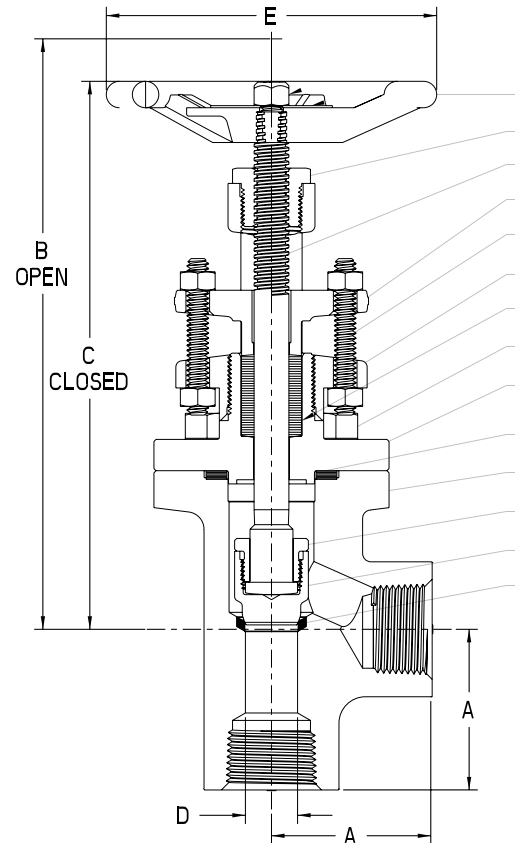
SIZE		A	B	C	D	E	WEIGHT	Cv	T	P
NPS	½	4.00	9.07	8.63	0.52	7.00	10.5	1.2	4.4	10
DN	15	102	230	219	13.2	178	4.8			
NPS	¾	5.12	10.98	10.39	0.75	9.75	21.6	4.3	5.9	10
DN	20	130	279	264	19.1	248	9.8			
NPS	1	5.12	10.98	10.39	0.75	9.75	21.2	5.8	4.7	8
DN	25	130	279	264	19.1	248	9.6			
NPS	1½	8.50	16.36	15.43	1.53	12.00	74.8	17.6	7.4	8
DN	40	216	416	392	38.9	305	33.9			
NPS	2	8.50	16.36	15.43	1.53	12.00	72.8	19.3	7.4	8
DN	50	216	416	392	38.9	305	33.0			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.

Class 800 Angle Globe Valve Conventional Port

Round Bolted Bonnet
Spiral Wound Gasket
Outside Screw & Yoke
Bolted Gland
Loose Disc
Integral Hard Faced Seat
ASME B16.34



CONNECTION	SERIES	BODY/BONNET	TRIM	SEAT	RATING	
Threaded Socket Weld	SW	1971	A105	13% Cr	HF	1975 PSI @ 100 F 136.2 BAR @ 38 C

Dimensions

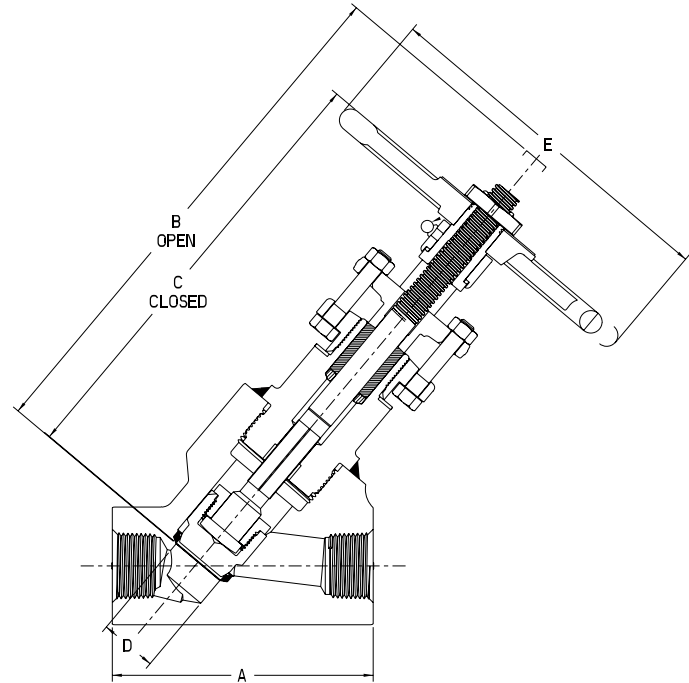
SIZE	A	B	C	D	E	WEIGHT	Cv	T	P
NPS ½	1.62	6.66	6.26	0.50	4.00	4.8	2.6	4.8	12
DN 15	41	169	159	12.7	102	2.2			
NPS ¾	1.75	6.66	6.26	0.50	4.00	5.1	4.5	4.8	12
DN 20	44	169	159	12.7	102	2.3			
NPS 1	2.31	8.49	7.88	0.75	4.75	9.0	11.9	6.1	10
DN 25	59	216	200	19.1	121	4.1			
NPS 1¼	2.44	9.91	9.11	1.28	5.75	16.60	21.0	8.0	10
DN 32	62	252	231	32.5	146	7.5			
NPS 1½	2.44	9.91	9.11	1.28	5.75	16.1	31.4	8.0	10
DN 40	62	252	231	32.5	146	7.3			
NPS 2	3.56	13.35	12.37	1.53	8.00	37.4	52.0	7.8	8
DN 50	90	339	314	38.9	203	17.0			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.

Forged “Y” Pattern Globe Valves
Class 800 Globe Valve Full Port

- Seal Welded Bonnet
- Outside Screw & Yoke
- Bolted Gland
- Removable Yoke/Operating Mechanism
- Gate Valve Operating Mechanism
- Repackable with Endless Packing Rings
- Loose Hard Faced Disc
- Integral Hard Faced Seat
- ASME B16.34 LTD Pressure Class



CONNECTION	SERIES	BODY/BONNET	TRIM	SEAT	RATING	
Threaded Socket Weld	F810	A105	13% Cr	HF	2000 PSI @ 100 F	137.9 BAR @ 38 C
	F811	F11 Cl.2				
	F822	F22 Cl.3				
	F891	F91				

Dimensions

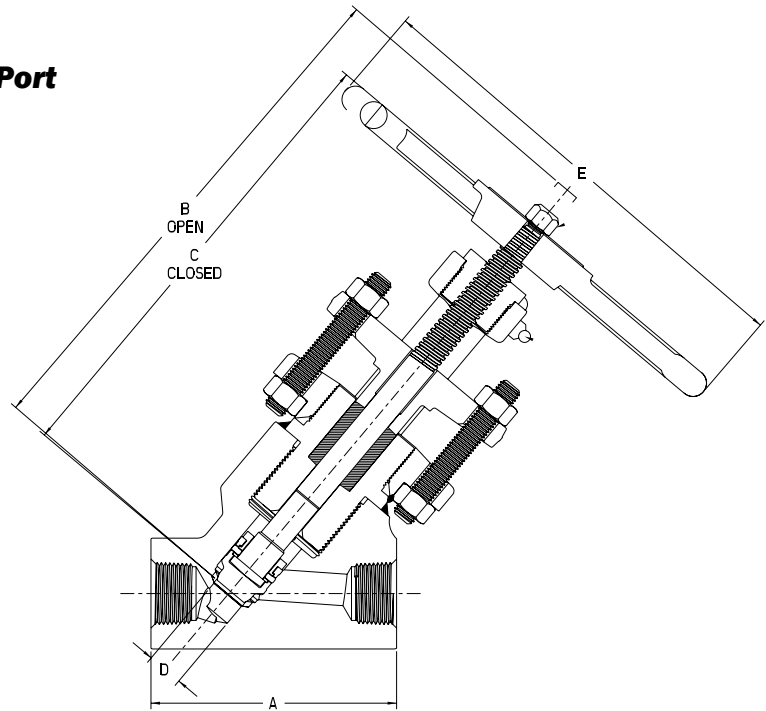
SIZE	A	B	C	D	E	WEIGHT	Cv	T	P
NPS ½	4.00	9.12	8.50	0.75	5.75	8.4	4.5	6.2	10
DN 15	102	232	216	19.1	146	3.8			
NPS ¾	4.00	9.12	8.50	0.75	5.75	8.2	9.1	6.2	10
DN 20	102	232	216	19.1	146	3.7			
NPS 1	5.12	10.43	9.58	1.12	7.00	13.5	21.3	8.5	10
DN 25	130	265	243	28.4	178	6.1			
NPS 1½	7.50	14.55	13.13	2.00	11.75	35.2	70	11.4	8
DN 40	191	370	334	50.8	298	16.0			
NPS 2	7.50	14.55	13.13	2.00	11.75	33.6	79.1	11.4	8
DN 50	191	370	334	50.8	298	15.2			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.

Forged Y Pattern Globe Valves
Class 1690 Globe Valve Conventional Port

Welded Bonnet
Outside Screw & Yoke
Bolted Gland
Loose Solid Stellite Disc
Integral Hard Faced Seat
ASME B16.34 LTD Pressure Class



CONNECTION	SERIES	BODY/BONNET	TRIM	SEAT	RATING	
Threaded Socket Weld	F1510	A105	13% Cr	HF	4225 PSI @ 100 F	291.3 BAR @ 38 C
	F1511	F11 Cl.2				
	F1522	F22 Cl.3				
	F1591	F91				

Dimensions

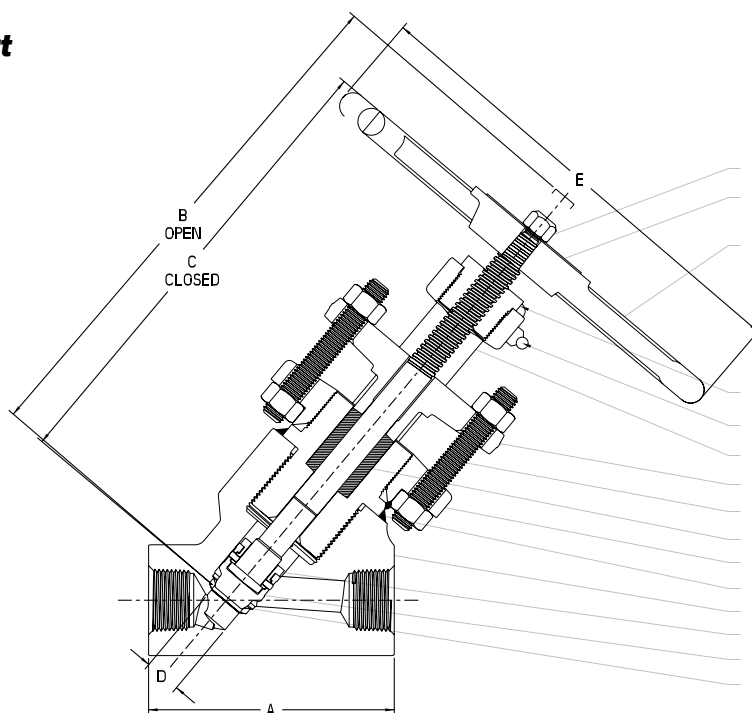
SIZE	A	B	C	D	E	WEIGHT	Cv	T	P
NPS ½	4.00	9.07	8.63	0.50	7.00	9.5	6.00	4.4	10
DN 15	102	230	219	12.7	178	4.3			
NPS ¾	4.00	9.07	8.63	0.50	7.00	9.4	4.0	4.4	10
DN 20	102	230	219	12.7	178	4.3			
NPS 1	5.12	10.98	10.39	0.75	9.75	19.2	9.3	4.7	8
DN 25	130	279	264	19.1	248	8.7			
NPS 1½	7.50	16.90	15.50	1.53	12.00	47.7	57.8	11.2	8
DN 40	191	429	394	38.9	305	21.6			
NPS 2	7.50	16.90	15.50	1.53	12.00	46.3	48.9	11.2	8
DN 50	191	429	394	38.9	305	21.0			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.

Forged Y Pattern Globe Valves
Class 2500/2680 Globe Valve Full Port

Welded Bonnet
Outside Screw & Yoke
Bolted Gland
Loose Solid Stellite Disc
Integral Hard Faced Seat
ASME B16.34 LTD Pressure Class



CONNECTION	SERIES	BODY/BONNET	TRIM	SEAT	RATING		CLASS
Threaded	F2510	A105	13% Cr	HF	6250 PSI @ 100 F	430.9 BAR @ 38 C	2500 LTD
	F2511	F11 Cl.2					
	F2522	F22 Cl.3					
	F2591	F91					

Socket Weld	SW F2510	A105	13% Cr	HF	6700 PSI @ 100 F	461.9 BAR @ 38 C	2680 LTD
	SW F2511	F11 Cl.2					
	SW F2522	F22 Cl.3					
	SW F2591	F91					

Dimensions

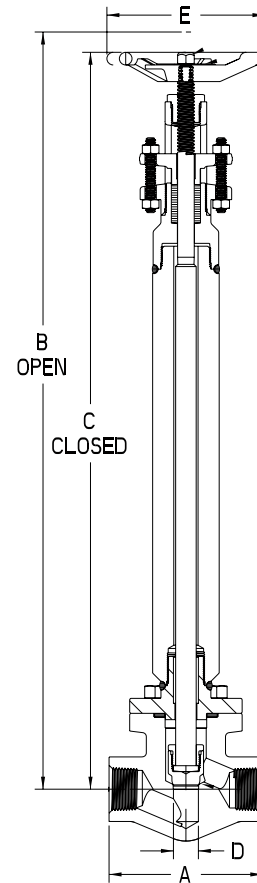
SIZE		A	B	C	D	E	WEIGHT	Cv	T	P
NPS	½	4.00	9.07	8.63	0.50	7.00	9.5	6.0	4.4	10
DN	15	102	230	219	12.7	178	4.3			
NPS	¾	5.12	10.98	10.39	0.75	9.75	19.5	8.4	4.7	8
DN	20	130	279	264	19.1	248	8.8			
NPS	1	5.12	10.98	10.39	0.75	9.75	19.2	9.3	4.7	8
DN	25	130	279	264	19.1	248	8.7			
NPS	1½	8.25	16.62	15.38	1.53	12.00	65.6	32.9	9.9	8
DN	40	210	422	391	38.9	305	29.8			
NPS	2	8.25	16.62	15.38	1.53	12.00	63.5	49.4	9.9	8
DN	50	210	422	391	38.9	305	28.8			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.

Forged Globe Valves- Cryogenic Service to -325°F (-198°C)
Class 800 Globe Valve Conventional Port

Round Bolted Bonnet
Spiral Wound Gasket
Outside Screw & Yoke
Bolted Gland
Loose Disc
Integral Seat
Extended Bonnet
ASME B16.34
MSS SP-134
Valve contains TEFLON – Max temp of 500°F



CONNECTION		SERIES	BODY/BONNET	TRIM	RATING	
Threaded Socket Weld	SW	12501C	F316/F316L	316	1920 PSI @ 100 F	132.4 BAR @ 38 C
					1920 PSI @ -325 F	132.4 BAR -198 C

Dimensions

SIZE		A	B	C	D	E	WEIGHT	Cv	T	P
NPS	½	3.75	21.22	20.78	0.50	4.00	12.3	2.4	5.3	12
DN	15	95	539	528	12.7	102	5.6			
NPS	¾	4.00	21.22	20.78	0.50	4.00	13.00	4.3	5.3	12
DN	20	102	539	528	12.7	102	5.9			
NPS	1	4.62	22.76	22.15	0.75	4.75	21.5	7.3	6.1	10
DN	25	117	578	563	19.1	121	9.8			
NPS	1½	6.25	27.64	26.72	1.28	5.75	35.0	20.4	9.2	10
DN	40	159	702	679	32.5	146	15.9			
NPS	2	7.75	26.72	25.80	1.53	8.00	44.2	23.1	7.4	8
DN	50	197	679	655	39	203	20.0			

T – Approximate number of turns from open to close.

P – Pitch of stem thread.