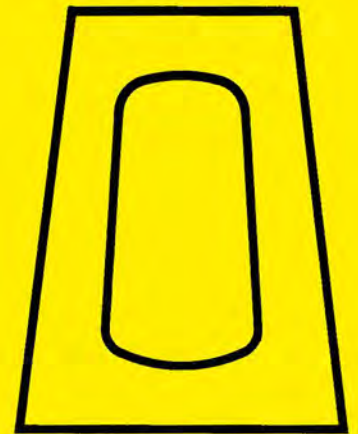




# TAPER PLUG VALVES

Valves for petroleum  
derivatives, gases,  
chemicals and water





# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
REGULAR PATTERN  
RECTANGULAR PORT FULL BORE

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Regular	Screwed API 5B table 2.1 or ASME B1.20.1	Rectangular Full bore **	Cast Steel ASTM A 216 Grade WCB Cover: EN 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B  Steel	Manual

\*\* 1/2", 3/4" and 1 1/4" Round port full bore.

	WRENCH TYPE 8 L	GEAR TYPE C
Plug	DN 1/2" - 3"	DN 1/2" - 4"
Cast Iron	5-AR 70084 N	5-AR 70084 C
Steel	5-AR 70087 N	5-AR 70087 C

DN	A	B	C	D	E	F	H	I	L	M	N	U
1/2"	48	95	120	159	24	30	150	101	112	181	47	116
3/4"	48	94	121	160	24	30	150	101	113	181	47	116
1"	49	98	124	163	24	30	150	101	115	181	47	149
1 1/4"	64	104	130	169	24	30	150	101	121	181	47	165
1 1/2"	64	115	145	185	24	30	150	101	136	181	47	181
2"	85	149	186	241	42	50	150	101	157	195	71	216
2 1/2"	95	164	202	256	42	50	150	101	172	195	71	251
3"	119	176	225	285	47	55	200	101	256	268	85	284
4"	135	203	268	340	51	65	300	101	303	293	100	318



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
REGULAR PATTERN  
RECTANGULAR PORT FULL BORE

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Regular	Flanges R.F. or R.J. ASME B 16.5 Face to Face ASME B 16.10	Rectangular Full bore **	Cast Steel ASTM A 216 Grade WCB Cover: EN 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B  Steel	Manual

\*\* 1/2", 3/4" and 1 1/4" Round port full bore.

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1/2" - 3"	DN 1/2" - 20"	DN 3" - 20"
Cast Iron	5-AR 70184 N	5-AR 70184 C	5-AR 70184 D
Steel	5-AR 70187 N	5-AR 70187 C	5-AR 70187 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	Q	R	V	V
1/2"	48	95	120	159	24	30	150	101	111	181	47			13	121	*216	*216
3/4"	48	94	121	160	24	30	150	101	112	181	47			17	130	*229	*229
1"	49	98	124	163	24	30	150	101	115	181	47			22	149	254	254
1 1/4"	64	104	130	169	24	30	150	101	121	181	47			29	159	279	279
1 1/2"	64	115	145	185	24	30	150	101	136	181	47			35	178	305	305
2"	85	149	186	241	42	50	150	101	157	195	71			48	216	368	371
2 1/2"	95	164	202	256	42	50	150	101	166	195	71			57	245	419	422
3"	123	176	225	285	47	55	200	101	256	268	85	46	379	70	267	470	473
4"	127	203	268	340	51	65	300	101	303	293	95	70	427	92	311	546	549
6"	200	286					300	101	420	361	135	69	554	137	394	705	711
8"	240	403					350	101	449	423	175	130	583	178	483	832	842
10"	288	408					350	101	560	460	176	168	694	222	584	991	1000
12"	363	564					450	101	627	501	200	210	761	264	673	1130	1146
14"	416	605					450	101	691	568	246	279	825	289	749	*1257	*1276
16"	465	512					450	101	804	660	289	270	956	330	826	*1384	*1407
18"	514	684					550	111	1047	725	311	297	1207	372	984	*1537	*1559
20"	571	821					550	111	1152	795	351	368	1312	416	1168	*1664	*1686

Note: \* Not included in the standards.



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
REGULAR PATTERN  
RECTANGULAR PORT FULL BORE

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Regular	Welding Ends ASME B 16.25 End to End ASME B 16.10	Rectangular Full bore **	Cast Steel ASTM A 216 Grade WCB Cover: EN 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B  Steel	Manual

\*\* 1/2", 3/4" and 1 1/4" Round port full bore.

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1/2" - 3"	DN 1/2" - 20"	DN 3" - 20"
Cast Iron	5-AR 70584 N	5-AR 70584 C	5-AR 70584 D
Steel	5-AR 70587 N	5-AR 70587 C	5-AR 70587 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	S	T	X
1/2"	48	95	120	159	24	30	150	101	111	181	47			Inside pipe dimension to be specified by purchaser.	*23,3	*216
3/4"	48	94	121	160	24	30	150	101	112	181	47				*28,7	*229
1"	49	98	124	163	24	30	150	101	115	181	47				*35,4	254
1 1/4"	64	104	130	169	24	30	150	101	121	181	47				*44,2	279
1 1/2"	64	115	145	185	24	30	150	101	136	181	47				*50,3	305
2"	85	149	186	241	42	50	150	101	157	195	71				*62,3	368
2 1/2"	95	164	202	256	42	50	150	101	166	195	71				75	419
3"	123	176	225	285	47	55	200	101	256	268	85	46	379		91	470
4"	127	203	268	340	51	65	300	101	303	293	95	70	427		117	546
6"	200	286					300	101	420	361	135	69	554		172	705
8"	240	403					350	101	449	423	175	130	583		223	832
10"	288	408					350	101	560	460	176	168	694		278	991
12"	363	564					450	101	627	501	200	210	761		329	1130
14"	416	605					450	101	691	568	246	279	825		362	*1257
16"	465	512					450	101	804	660	289	270	956		413	*1384
18"	514	684					550	111	1047	725	311	297	1207		464	*1537
20"	571	821					550	111	1152	795	351	368	1312	516	*1686	

Note: \* Not included in the standards.



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
REGULAR PATTERN  
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Regular	Flanges R.F. or R.J. ASME B 16.5 Face to Face ASME B 16.10	Rectangular	Cast Steel ASTM A 216 Grade WCB Cover: EN 100254 S355 J0 S355 J2G3	Cast Iron ASTM A 126 Class B  Steel	Manual

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1 1/2" - 3"	DN 1 1/2" - 20"	DN 4" - 20"
Cast Iron	5-AV 70184 N	5-AV 70184 C	5-AV 70184 D
Steel	5-AV 70187 N	5-AV 70187 C	5-AV 70187 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	Q	R	V	V
1 1/2"	64	92	128	171	24	30	150	101	121	181	47			35	178	305	305
2"	64	115	143	187	24	30	150	101	136	181	47			48	216	368	372
2 1/2"	85	138	182	239	42	50	150	101	155	195	71			57	244	419	422
3"	95	164	201	258	42	50	150	101	166	195	71			70	267	470	473
4"	128	179	223	284	47	55	200	101	259	268	85	46	382	92	311	546	549
6"	177	239					300	101	341	293	95	70	465	137	394	705	711
8"	208	291					300	101	425	361	135	69	559	178	483	832	842
10"	240	404					350	101	449	423	175	130	584	222	584	991	1000
12"	300	455					350	101	562	460	176	168	696	264	673	1130	1146
14"	350	555					350	101	611	483	196	192	745	289	749	*1257	*1276
16"	367	563					450	101	627	501	200	210	761	330	826	*1384	*1407
18"	431	605					450	101	690	568	246	279	824	372	914	*1537	*1559
20"	483	699					450	101	885	660	299	270	1037	416	984	*1664	*1686

Note: \* Not included in the standards.



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
REGULAR PATTERN  
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Regular	Welding Ends ASME B 16.25 End to End ASME B 16.10	Rectangular	Cast Steel ASTM A 216 Grade WCB Cover: EN 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B	Manual
							Steel	

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1 1/2" - 3"	DN 1 1/2" - 20"	DN 4" - 20"
Cast Iron	5-AV 70584 N	5-AV 70584 C	5-AV 70584 D
Steel	5-AV 70587 N	5-AV 70587 C	5-AV 70587 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	S	T	X
1 1/2"	64	92	128	171	24	30	150	101	121	181	47			Inside pipe dimension to be specified by purchaser.	*50,3	305
2"	64	115	143	187	24	30	150	101	136	181	47				*62,3	368
2 1/2"	85	138	182	239	42	50	150	101	155	195	71				75	419
3"	95	164	201	258	42	50	150	101	166	195	71				91	470
4"	128	179	223	284	47	55	200	101	259	268	85	46	382		117	546
6"	177	239					300	101	341	293	95	70	465		172	705
8"	208	291					300	101	425	361	135	69	559		223	832
10"	240	404					350	101	449	423	175	130	584		278	991
12"	300	455					350	101	562	460	176	168	696		329	1130
14"	350	555					350	101	611	483	196	192	745		362	*1257
16"	367	563					450	101	627	501	200	210	761		413	*1384
18"	431	605					450	101	690	568	246	279	824		464	*1537
20"	483	699					450	101	885	660	299	270	1037	516	*1664	

Note: \* Not included in the standards.



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
VENTURI PATTERN  
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Venturi	Flanges R.F. or R.J. ASME B 16.5 Face to Face ASME B 16.10	Rectangular	Cast Steel ASTM A 216 Grade WCB Cover: EN 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B	Manual
							Steel	

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1 1/2" - 4"	DN 1 1/2" - 20"	DN 6" - 20"
Cast Iron	5-AT 70184 N	5-AT 70184 C	5-AT 70184 D
Steel	5-AT 70187 N	5-AT 70187 C	5-AT 70187 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	Q	R	V	V
1 1/2"	64	100	130	162	24	30	150	101	128	181	47			35	178	*305	*305
2"	64	115	145	177	24	30	150	101	136	181	47			48	216	*368	*372
2 1/2"	85	149	186	229	42	50	150	101	157	195	71			57	245	*419	*422
3"	95	164	202	245	42	50	150	101	166	195	71			70	267	*470	*473
4"	119	176	225	275	47	55	200	101	256	268	85			92	311	*546	*549
6"	136	221					300	101	311	293	95	70	435	137	394	705	711
8"	185	294					300	101	395	361	135	69	529	178	483	832	841
10"	191	311					300	101	447	400	160	108	581	222	584	991	1000
12"	229	372					350	101	521	423	175	130	655	264	673	1130	1146
14"	233	385					350	101	527	423	175	130	661	289	749	*1257	*1276
16"	266	414					350	101	591	460	176	168	725	330	826	1384	1407
18"	278	432					350	101	602	460	176	168	736	372	914	*1537	*1559
20"	316	491					350	101	643	483	196	192	777	416	984	*1664	*1686

Note: \* Not included in the standards.



# STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 1500  
VENTURI PATTERN  
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
1500	3705 Psi	Shell 5575 Psi Seat 4075 Psi	Straightway Venturi	Welding Ends ASME B 16.25 End to End ASME B 16.10	Rectangular	Cast Steel ASTM A 216 Grade WCB Cover: EN 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B	Manual
							Steel	

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1 1/2" - 4"	DN 1 1/2" - 20"	DN 6" - 20"
Cast Iron	5-AT 70584 N	5-AT 70584 C	5-AT 70584 D
Steel	5-AT 70587 N	5-AT 70587 C	5-AT 70587 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	S	T	X
1 1/2"	64	100	130	162	24	30	150	101	128	181	47			Inside pipe dimension to be specified by purchaser.	*50,3	*305
2"	64	115	145	177	24	30	150	101	136	181	47				*62,3	*368
2 1/2"	85	149	186	229	42	50	150	101	157	195	71				75	*419
3"	95	164	202	245	42	50	150	101	166	195	71				91	*470
4"	119	176	225	275	47	55	200	101	256	268	85				117	*546
6"	136	221					300	101	311	293	95	70	435		172	705
8"	185	294					300	101	395	361	135	69	529		223	832
10"	191	311					300	101	447	400	160	108	581		278	991
12"	229	372					350	101	521	423	175	130	655		329	1130
14"	233	385					350	101	527	423	175	130	661		362	*1257
16"	266	414					350	101	591	460	176	168	725		413	1384
18"	278	432					350	101	602	460	176	168	736		464	*1537
20"	316	491					350	101	643	483	196	192	777	516	*1664	

Note: \* Not included in the standards.