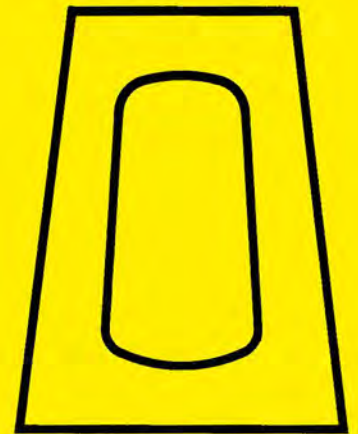




TAPER PLUG VALVES

Valves for petroleum
derivatives, gases,
chemicals and water





STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
REGULAR PATTERN
RECTANGULAR PORT FULL BORE

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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	Manual
							Steel	

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

	WRENCH TYPE 8 L	GEAR TYPE C
Plug	DN 1/2" - 4"	DN 1/2" - 4"
Cast Iron	5-AR 70064 N	5-AR 70064 C
Steel	5-AR 70067 N	5-AR 70067 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	112	181	47	116
1"	49	98	124	163	24	30	150	101	115	181	47	149
1 1/4"	56	102	128	167	24	30	150	101	120	181	47	160
1 1/2"	60	105	145	185	24	30	150	101	136	181	47	175
2"	73	128	172	225	32	36	150	101	155	195	65	190
2 1/2"	86	151	198	252	42	50	150	101	168	195	71	210
3"	92	166	225	285	47	55	150	101	192	195	71	284
4"	117	181	265	327	51	65	200	101	289	268	85	326



STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
REGULAR PATTERN
RECTANGULAR PORT FULL BORE

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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	Manual
							Steel	

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

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1/2" - 4"	DN 1/2" - 20"	DN 4" - 20"
Cast Iron	5-AR 70164 N	5-AR 70164 C	5-AR 70164 D
Steel	5-AR 70167 N	5-AR 70167 C	5-AR 70167 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	112	181	47			13	95	*165	*165
3/4"	48	94	121	160	24	30	150	101	112	181	47			19	118	*191	*191
1"	49	98	124	163	24	30	150	101	115	181	47			25	124	216	216
1 1/4"	56	102	128	167	24	30	150	101	120	181	47			32	133	229	229
1 1/2"	60	105	145	185	24	30	150	101	136	181	47			38	156	241	241
2"	73	128	172	225	32	36	150	101	155	195	65			51	165	292	295
2 1/2"	86	151	198	252	42	50	150	101	168	195	71			64	191	330	333
3"	92	166	225	285	47	55	150	101	192	195	71			76	210	356	359
4"	117	181	265	327	51	65	200	101	289	268	85	46	412	102	273	432	435
6"	158	255					300	101	364	293	95	70	488	152	356	559	562
8"	212	312					300	101	461	361	135	69	595	200	419	660	664
10"	248	324					300	101	545	400	160	108	679	248	508	787	791
12"	308	426					350	101	604	423	175	130	738	299	559	838	841
14"	316	460					350	101	656	460	176	168	790	327	603	889	892
16"	370	515					450	101	709	501	200	210	843	375	686	991	994
18"	410	570					450	101	804	568	246	279	938	419	743	*1092	*1095
20"	433	655					450	101	949	660	299	270	1101	464	813	*1194	*1200

Note: * Not included in the standards.



STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
REGULAR PATTERN
RECTANGULAR PORT FULL BORE

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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	Manual
							Steel	

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

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1/2" - 4"	DN 1/2" - 20"	DN 4" - 20"
Cast Iron	5-AR 70564 N	5-AR 70564 C	5-AR 70564 D
Steel	5-AR 70567 N	5-AR 70567 C	5-AR 70567 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	112	181	47			Inside pipe dimension to be specified by purchaser.	*23,3	*165
3/4"	48	94	121	160	24	30	150	101	112	181	47				*28,7	*191
1"	49	98	124	163	24	30	150	101	115	181	47				*35,4	216
1 1/4"	56	102	128	167	24	30	150	101	120	181	47				*44,2	229
1 1/2"	60	105	145	185	24	30	150	101	136	181	47				*50,3	241
2"	73	128	172	225	32	36	150	101	155	195	65				*62,3	292
2 1/2"	86	151	198	252	42	50	150	101	168	195	71				75	330
3"	92	166	225	285	47	55	150	101	192	195	71				91	356
4"	117	181	265	327	51	65	200	101	289	268	85	46	412		117	432
6"	158	255					300	101	364	293	95	70	488		172	559
8"	212	312					300	101	461	361	135	69	595		223	660
10"	248	324					300	101	545	400	160	108	679		278	787
12"	308	426					350	101	604	423	175	130	738		329	838
14"	316	460					350	101	656	460	176	168	790		362	889
16"	370	515					450	101	709	501	200	210	843		413	991
18"	410	570					450	101	804	568	246	279	938		464	*1092
20"	433	655					450	101	949	660	299	270	1101	516	*1194	

Note: * Not included in the standards.



STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
REGULAR PATTERN
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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 10025 S355J0 S355J2G3	Cast Iron ASTM A 126 Class B Steel	Manual

	WRENCH TYPE 8 L	GEAR TYPE C	GEAR TYPE D
Plug	DN 1 1/2" - 4"	DN 1 1/2" - 24"	DN 6" - 24"
Cast Iron	5-AV 70164 N	5-AV 70164 C	5-AV 70164 D
Steel	5-AV 70167 N	5-AV 70167 C	5-AV 70167 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	Q	R	V	V
1 1/2"	56	102	128	160	24	30	150	101	120	181	47			38	156	241	241
2"	63	106	148	188	24	30	150	101	140	181	47			51	165	292	295
2 1/2"	78	128	172	215	32	36	150	101	155	195	65			64	191	330	333
3"	86	151	198	252	42	50	150	101	168	195	71			76	210	356	359
4"	106	166	225	285	47	55	150	101	192	195	71			102	273	432	435
6"	145	212					200	101	326	268	85	46	445	152	356	559	562
8"	164	272					300	101	376	293	95	70	500	200	419	660	664
10"	212	312					300	101	461	361	135	69	595	248	508	787	791
12"	248	324					300	101	545	400	160	108	679	299	559	838	841
14"	254	366					300	101	567	400	160	108	701	327	603	889	892
16"	313	448					350	101	626	423	175	130	760	375	686	991	994
18"	325	482					350	101	678	460	176	168	812	419	743	*1092	*1095
20"	365	537					450	101	731	501	200	210	865	464	813	*1194	*1200
24"	433	655					450	101	844	568	246	279	978	559	940	*1397	*1407



STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
REGULAR PATTERN
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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" - 4"	DN 1 1/2" - 24"	DN 6" - 24"
Cast Iron	5-AV 70564 N	5-AV 70564 C	5-AV 70564 D
Steel	5-AV 70567 N	5-AV 70567 C	5-AV 70567 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	S	T	X
1 1/2"	56	102	128	160	24	30	150	101	120	181	47			Inside pipe dimension to be specified by purchaser.	*50,3	241
2"	63	106	148	188	24	30	150	101	140	181	47				*62,3	292
2 1/2"	78	128	172	215	32	36	150	101	155	195	65				75	330
3"	86	151	198	252	42	50	150	101	168	195	71				91	356
4"	106	166	225	285	47	55	150	101	192	195	71				117	432
6"	145	212					200	101	326	268	85	46	445		172	559
8"	164	272					300	101	376	293	95	70	500		223	660
10"	212	312					300	101	461	361	135	69	595		278	787
12"	248	324					300	101	545	400	160	108	679		329	838
14"	254	366					300	101	567	400	160	108	701		362	889
16"	313	448					350	101	626	423	175	130	760		413	991
18"	325	482					350	101	678	460	176	168	812		464	*1092
20"	365	537					450	101	731	501	200	210	865		516	*1194
24"	433	655					450	101	844	568	246	279	978		619	*1397

Note: * Not included in the standards.



STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
VENTURI PATTERN
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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" - 36"	DN 6" - 36"
Cast Iron	5-AT 70164 N	5-AT 70164 C	5-AT 70164 D
Steel	5-AT 70167 N	5-AT 70167 C	5-AT 70167 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	Q	R	V	Raised Face	Ring Joint
																	V	V
1 1/2"	56	102	128	160	24	30	150	101	120	181	47			38	156	241	241	
2"	60	105	145	177	24	30	150	101	136	181	47			51	165	292	295	
2 1/2"	73	128	172	215	32	36	150	101	155	195	65			64	191	330	333	
3"	86	151	198	252	42	50	150	101	168	195	71			76	210	356	359	
4"	92	166	225	275	47	55	150	101	192	195	71			102	273	432	435	
6"	114	189					200	101	297	268	85	46	420	152	356	559	562	
8"	145	230					200	101	338	268	85	46	461	200	419	660	664	
10"	157	275					300	101	387	293	95	70	511	248	508	787	791	
12"	184	310					300	101	480	361	135	69	614	299	559	838	841	
14"	192	333					300	101	495	361	135	69	629	327	603	889	892	
16"	223	369					300	101	571	400	160	108	705	375	686	991	994	
18"	238	392					300	101	597	400	160	108	731	419	743	1092	1095	
20"	273	451					350	101	638	423	175	130	772	464	813	1194	1200	
24"	310	515					350	101	760	460	176	168	894	559	940	1397	1407	
30"	330	590					450	101	830	501	200	210	964	695	*1130	1651	1664	
36"	385	700					450	101	935	568	246	279	1069	840	*1315	2083	2099	

Note: * Not included in the standards.



STRAIGHTWAY TAPER PLUG VALVES

CAST STEEL CLASS 600
VENTURI PATTERN
RECTANGULAR PORT

Class	Max. CWP	Test Pressure	Pattern	Connections	Port	Materials		Operation
						Body & Cover	Plug	
600	1480 Psi	Shell 2225 Psi Seat 1630 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" - 36"	DN 6" - 36"
Cast Iron	5-AT 70564 N	5-AT 70564 C	5-AT 70564 D
Steel	5-AT 70567 N	5-AT 70567 C	5-AT 70567 D

DN	A	B	C	D	E	F	H	I	L	M	N	O	P	S	T	X	
1 1/2"	56	102	128	160	24	30	150	101	120	181	47			Inside pipe dimension to be specified by purchaser.	*50,3	241	
2"	60	105	145	177	24	30	150	101	136	181	47				*62,3	292	
2 1/2"	73	128	172	215	32	36	150	101	155	195	65					75	330
3"	86	151	198	252	42	50	150	101	168	195	71					91	356
4"	92	166	225	275	47	55	150	101	192	195	71					117	432
6"	114	189					200	101	297	268	85	46	420			172	559
8"	145	230					200	101	338	268	85	46	461			223	660
10"	157	275					300	101	387	293	95	70	511			278	787
12"	184	310					300	101	480	361	135	69	614			329	838
14"	192	333					300	101	495	361	135	69	629			362	889
16"	223	369					300	101	571	400	160	108	705			413	991
18"	238	392					300	101	597	400	160	108	731			464	1092
20"	273	451					350	101	638	423	175	130	772			516	1194
24"	310	515					350	101	760	460	176	168	894			619	1397
30"	330	540					450	101	830	501	200	210	964			772	1651
36"	385	700					450	101	935	568	246	279	1069			927	2083

Note: * Not included in the standards.