

## Gear operated valves - Class 150 lbs

Dimensions	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
A	178	203	229	266	292	330	355	381	406	432	813
e**	9	10,5	11	12	12,7	14,5	16	16,6	17,5	18,2	19
Ba	115	130	155	205	260	205	330	370	480	480	492
Bb closed	410	425	455	565	628	664	880	803	1150	1270	1400
Bd open	440	455	485	613	676	712	928	880	1227	1360	1490
BE	344	359	389	492	555	591	705	803	940	1105	1236
C	145	190	225	260	305	320	405	510	570	605	630
D	152	191	229	279	343	406	483	535	595	635	699
F	300	300	300	300	300	450	450	650	850	850	850
H*	150	200	250	300	350	400	500	550	600	680	780
Gear Box	FL-0	FL-0	FL-0	FL-1	FL-1	FL-1	FL-1	FL-2	FL-2	FL-3	FL-3
Turn open/close	27 1/2	27 1/2	27 1/2	36 1/2	36 1/2	36 1/2	36 1/2	46 1/2	46 1/2	41 1/2	41 1/2
CV	235	452	810	1456	2519	3990	5097	6532	7556	9432	13652
Weight (Kg.)	55	72	81	155	220	287	372	496	563	980	1483

e\*\*= Shell wall thickness by API 6D

H\*= Minimum space required under the valve in order to replace slips.

**NOTE:** Flanged ended as per ANSI B16,5 / EN-1092-1. The dimensions are shown in ANSI.

	24"	30"	36"	
	914	1270	1980	
	20,6	26	28	
	551	777	870	
	1486	2028	1834	
	1574	2209	2006	
	1285	1866	1989	
	775	946	1150	
	815	984	1168	
	1000	1000	1000	
	870	1245	1370	
	FL3	FL-4	FL-4	
	41 1/2	46 1/2	46 1/2	
	19660	30719	44235	
	2020	4215	6640	

# Technical Data | Dimensions - figure 2300 - Reduced Bore

## Gear operated valves - Class 300 lbs

e\*\*= Shell wall thickness by API 6D

H\*= Minimum space required under the valve in order to replace slips.

NOTE: Flanged ended as per ANSI B16,5 / EN-1092-1. The dimensions are shown in ANSI.

Dimensions	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	
A	216	283	305	403	419	457	502	762	838	914	994	
e**	9,5	12	12,7	16	17,5	19	20,6	22,2	25	25,4	27	
Ba	115	130	155	205	280	315	345	380	430	520	676	
Bb Closed	410	425	455	590	705	780	1060	1260	1420	1580	1720	
Bd Open	440	455	485	638	753	828	1108	1305	1510	1670	1810	
Be	344	359	389	517	632	707	986	1040	1100	1305	1513	
C	145	190	225	300	350	410	490	540	600	610	620	
D	165	210	254	318	381	445	520	580	650	711	720	
F	300	300	300	450	650	650	850	850	850	850	850	
H*	150	200	250	300	360	450	550	320	700	770	850	
Gear Box	FL-0	FL-0	FL-0	FL-1	FL-1	FL-1	FL-2	FL-2	FL-2	FL-3	FL-3	
Turn open/close	27 1/2	27 1/2	27 1/2	36 1/2	36 1/2	46 1/2	46 1/2	46 1/2	46 1/2	41 1/2	41 1/2	
CV	235	452	810	1456	2519	3990	5097	6150	7556	10620	13652	
Weight (Kg.)	70	100	185	285	390	525	650	1010	1815	1970	3643	

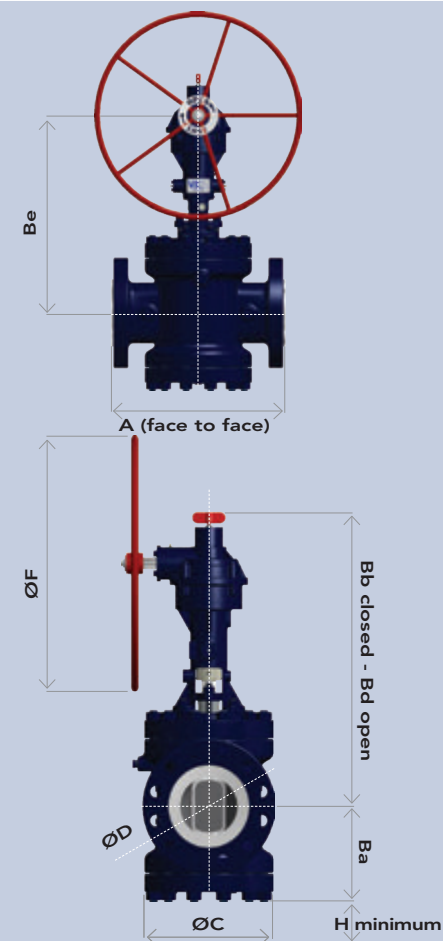
## Gear operated valves - Class 600 lbs

e\*\*= Shell wall thickness by API 6D

H\*= Minimum space required under the valve in order to replace slips.

NOTE: Flanged ended as per ANSI B16,5 / EN-1092-1. The dimensions are shown in ANSI.

Dimensions	2"	3"	4"	6"	8"	10"	12"	14"	16"
A	292	356	432	559	660	787	838	920	991
e**	11	12,7	16	19	25,4	28,5	31,7	34,9	38,1
Ba	130	145	160	250	340	395	445	475	505
Bb Closed	445	470	580	835	1015	1120	1346	1364	1396
Bd Open	475	500	658	893	1092	1197	1434	1456	1484
Be	379	404	507	762	941	1046	1145	1160	1195
C	165	210	260	345	405	485	570	590	665
D	165	210	254	318	381	445	560	603	685
F	300	300	450	650	850	850	850	850	850
H*	150	200	260	332	420	520	608	640	670
Gear Box	FL-0	FL-0	FL-1	FL-1	FL-2	FL-2	FL-2	FL-3	FL-3
Turn open/close	27 1/2	27 1/2	36 1/2	36 1/2	46 1/2	46 1/2	41 1/2	41 1/2	41 1/2
CV	235	452	810	1456	2519	3990	5097	6730	7556
Weight (Kg.)	110	220	275	405	675	980	1530	1900	2105



# Technical Data | Dimensions - figure 2300 - Reduced Bore

## Bare stem valves - Class 150 lbs

Dimensions	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
A	178	203	229	266	292	330	355	381	406	432	813
e**	9	10,5	11	12	12,7	14,5	16	16,6	17,5	18,2	19
Ba	115	130	155	205	260	205	330	370	480	480	492
Bb	260	275	305	390	453	489	705	803	940	965	1063
C	145	190	225	260	305	320	405	510	570	605	630
D	152	191	229	279	343	406	483	535	595	635	699
H*	150	200	250	300	350	400	500	550	600	680	780
Turn open/close	7	7	7	9	9	9	9	11 1/2	11 1/2	11 1/2	10 1/2
ISO 5210	F10	F10	F10	F14	F14	F14	F14	F16	F16	F16	F25
CV	235	452	810	1456	2519	3990	5097	6532	7556	9432	13652
Weight (Kg.)	35	50	61	130	195	268	348	463	529	870	1370

e\*\*= Shell wall thickness by API 6D

H\*= Minimum space required under the valve in order to replace slips.

**NOTE:** Flanged ended as per ANSI B16,5 / EN-1092-1. The dimensions are shown in ANSI.

	24"	30"	36"	
	914	1270	1980	
	20,6	26	28	
	551	777	870	
	1112	1670	1800	
	775	946	1150	
	815	984	1168	
	870	1245	1370	
	10 1/2	18	18	
	F25	F25	F30	
	19660	30719	44235	
	1890	3980	6600	

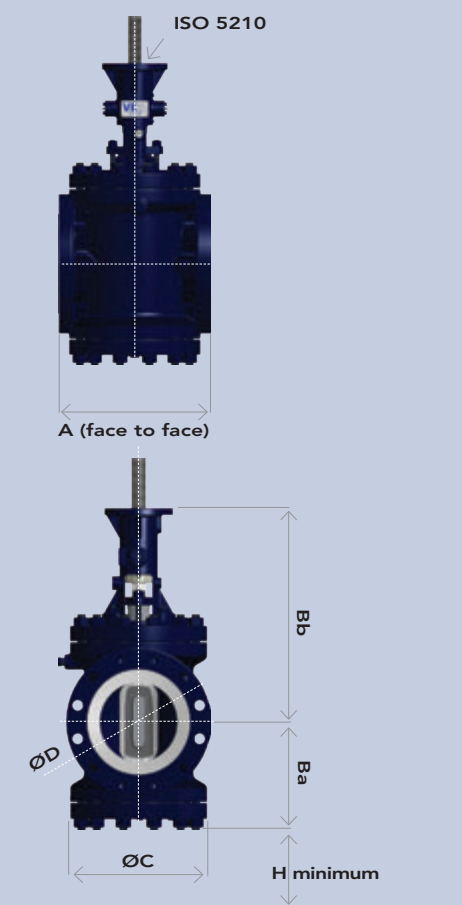
# Technical Data | Dimensions - figure 2300 - Reduced Bore

## Bare stem valves - Class 300 lbs

e\*\*= Shell wall thickness by API 6D

H\*= Minimum space required under the valve in order to replace slips.

NOTE: Flanged ended as per ANSI B16,5 / EN-1092-1. The dimensions are shown in ANSI.

Dimensions	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	
A	216	283	305	403	419	457	502	762	838	914	991	
e**	9,5	12	12,7	16	17,5	19	20,6	22,2	25	25,4	27	
Ba	115	130	155	205	280	315	345	380	430	520	676	
Bb	260	275	305	390	530	605	850	950	1050	1210	1314	
C	145	190	225	260	350	410	490	540	600	610	620	
D	165	210	254	279	381	445	520	580	650	711	775	
H*	150	200	250	300	360	450	550	620	700	770	850	
Turn open/close	7	7	7	9	9	11 1/2	11 1/2	11 1/2	11 1/2	10 1/2	10 1/2	
ISO 5210	F10	F10	F10	F14	F14	F14	F16	F16	F16	F25	F25	
CV	235	452	810	1456	2519	3990	5097	6150	7556	10620	13652	
Weight (Kg.)	55	85	154	230	320	495	610	970	1780	1910	3580	

## Bare stem valves - Class 600 lbs

e\*\*= Shell wall thickness by API 6D

H\*= Minimum space required under the valve in order to replace slips.

**NOTE:** Flanged ended as per ANSI B16,5 / EN-1092-1. The dimensions are shown in ANSI.

Dimensions	2"	3"	4"	6"	8"	10"	12"	14"	16"	
A	292	356	432	559	660	787	838	920	991	
e**	11	12,7	16	19	25,4	28,5	31,7	34,9	38,1	
Ba	130	145	160	250	340	395	445	475	505	
Bb	295	320	405	660	805	910	972	992	1022	
C	165	210	260	345	405	485	570	590	665	
D	165	210	254	318	381	445	560	603	685	
H*	150	200	260	332	420	520	608	640	670	
Turn open/close	7	7	9	9	11 1/2	11 1/2	10 1/2	10 1/2	10 1/2	
ISO 5210	F10	F10	F14	F14	F16	F16	F25	F25	F25	
CV	235	452	810	1456	2519	3990	5097	6730	7556	
Weight (Kg.)	115	185	215	395	585	945	1190	1810	2055	