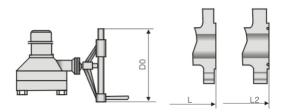
## Pressure Seal, Cast Steel Gate Valve 900Lb



## **Applicable Standards:**

- STEEL GATE VALVES, API600/API 6D
- STEEL GATE VALVES, ISO 10434/ISO 14313
- •STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST ,API 598/API 6D

#### 20 21 22 23 D0 19 18 17 16 15 14 13 12 H(open) 11 10 9 8 6 4 5 NPS 1 L1



## **Design descriptions:**

- PSB, PRESSURE SEAL BONNET
- FLEXIBLE WEDGE, FULLY GUIDED
- CHOICE OF SOLID OR SPLIT WEDGERENEWABLE SEAT RINGS
- FORGED T-HEAD STEM
- RISING STEM AND NON-RISING HANDWHEEL
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH BG OPERATOR

## **Materials of parts**

No	Part Name		<b>ASTM Materials</b>				
NO	Part Name	Carbon Steel	1 <sup>1</sup> /4cr- <sup>1</sup> /2mo	18Cr-9Ni-2Mo			
1	Body	A216-WCB	A217-WC6	A351–CF8M			
2	Yoke	A216-WCB	A217-WC6	A351-CF8M			
3	Wedge	A216-WCB+HF	A217-WC6+HF	A351-CF8M+HF			
4	Stem	A182–F6a	CR-MO-V	A182–316			
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF			
6	Bonnet	A105	A182–F11	A240-316			
7	Bonnet Gasket	Steel Ring	304SS RING	316SS RING			
8	Adapter Ring	Carbon Steel	A276-420	A276–316			
9	Retainer	Carbon Steel	A276-420	A276–316			
10	Yoke Cap	Carbon Steel	Alloy Steel	Stainless Steel			
11	Bonnet Stud	A193–B7	A193–B16	A193-B8M			
12	Bonnet Stud Nut	A194–2H	A194–7	A194-8M			
13	Packing		Graphite				
14	Gland	A276-420	A276-304	A276-316L			
15	Gland Flange	A216-WCB	A217-WC6	A351-CF8M			
16	Eyebolt Pin	Carbon Steel	A276-420	A276-316			
17	Eyebolt	CarbonSteel	A193–B7	A193–B8			
18	Eyebolt Nut	Carbon Steel	A194–2H	A194–8			
19	Grease Fitting		Brass+Steel				
20	Yokesleeve						
21	Yokesleeve Jam Nut	t Carbon Steel Stainless Steel					
22	Handwheel		Malleable Iron				
23	Handwheel Nut		Carbon steel				

Note:1)Graphite optional 2)Ductile Ni-resist optional

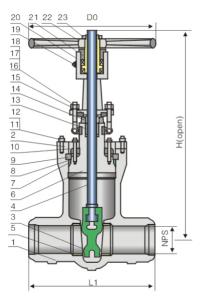
2) occurrence and east ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

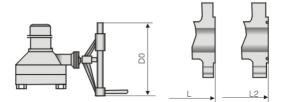
NPS	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	10	12	14	16	in
DN	50	65	80	100	150	200	250	300	350	400	mm
					ANSI CI	ass 900Lb					
L1	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	39.00	43.00	in
(BW)	216	254	305	356	508	660	787	914	991	1092	mm
L	14.50	165.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	in
(RF)	368	419	381	457	610	737	838	965	1029	1130	mm
L2	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	in
(RTJ)	371	422	384	460	613	740	841	968	1038	1140	mm
Н	17.62	17.62	19.5	22.88	32.62	67362	45.5	53.12	59	70.5	in
(open)	448	448	495	580	830	955	1165	1350	1500	1790	mm
D0	14	14	14	14	18	24	28	34	34	34	in
DU	350	350	350	350	450	600	700	850	850	850	mm
	39	39	48	69	158	289	482	710	998	1390	BW
WT(kg)	69	69	72	110	253	430	710	1025	1452	1960	RF/RTJ

# **DERVOS** Pressure Seal, Cast Steel Gate Valve1500Lb/2500Lb

## **Applicable Standards:**

- STEEL GATE VALVES, API600/API 6D
- STEEL GATE VALVES, ISO 10434/ISO 14313
- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST ,API 598/API 6D





## **Design descriptions:**

- •PSB,PRESSURE SEAL BONNET
- FLEXIBLE WEDGE, FULLY GUIDED
- CHOICE OF SOLID OR SPLIT WEDGE ● RENEWABLE SEAT RINGS
- FORGED T-HEAD STEM
- RISING STEM AND NON-RISING HANDWHEEL
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH BG OPERATOR

## Materials of parts

No	Part Name		<b>ASTM Materials</b>				
140	Part Name	Carbon Steel	1 <sup>1</sup> /4cr- <sup>1</sup> /2mo	18Cr-9Ni-2Mo			
1	Body	A216-WCB	A217-WC6	A351-CF8M			
2	Yoke	A216-WCB	A217-WC6	A351-CF8M			
3	Wedge	A216-WCB+HF	A217-WC6+HF	A351-CF8M+HF			
4	Stem	A182-F6a	CR-MO-V	A182-316			
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF			
6	Bonnet	A105	A182–F11	A240-316			
7	Bonnet Gasket	Steel Ring	304SS RING	316SS RING			
8	Adapter Ring	Carbon Steel	A276-420	A276-316			
9	Retainer	Carbon Steel	A276-420	A276-316			
10	Yoke Cap	Carbon Steel	Alloy Steel	Stainless Steel			
11	Bonnet Stud	A193–B7	A193-B16	A193-B8M			
12	Bonnet Stud Nut	A194–2H	A194–7	A194–8M			
13	Packing		Graphite				
14	Gland	A276-420	A276-304	A276-316L			
15	Gland Flange	A216-WCB	A217-WC6	A351-CF8M			
16	Eyebolt Pin	Carbon Steel	A276-420	A276-316			
17	Eyebolt	CarbonSteel	A193–B7	A193–B8			
18	Eyebolt Nut	Carbon Steel	A194–2H	A194–8			
19	Grease Fitting		Brass+Steel				
20	Yokesleeve		Aluminum-Bronze <sup>2)</sup>				
21	Yokesleeve Jam Nut	Carbon S	Stainless Steel				
22	Handwheel	Malleable Iron					
23	Handwheel Nut		Carbon steel				
23 Note:1)Gra							

I) or tapmic optional
2)Ductile Ni-resist optional
3)Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

NPS	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	10	12	14	16	2	<b>2<sup>1</sup>/</b> 2	3	4	6	8	10	12	14	16	in
DN	50	65	80	100	150	200	<b>250</b>	300	350	400	<b>50</b>	<b>6</b> 5	80	100	150	200	<b>250</b>	300	350	<b>400</b>	mm
				AN	ISI CI	ass 15	00Lb							AN	SI Clas	ss 250	0Lb				
L1	8.50	10.00	12.00	16.00	22.00	28.00	34.00	39.00	42.00	47.00	11.00	13.00	14.50	18.00	24.00	30.00	36.00	41.00	-	-	in
(BW)	216	254	305	406	559	711	864	991	1067	1194	279	330	368	457	610	762	914	1041	-	_	mm
L	14.50	16.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54050	17.75	20.00	22.75	26.50	36.00	40.25	50.00	56.00	_	_	in
(RF)	368	419	470	546	705	832	991	1130	1257	1384	451	508	578	673	914	1022	1270	1422	-	_	mm
L2	15.50	16.62	18.62	21.62	28.00	33.12	39.38	45.12	50.25	55.38	17.88	20.50	23.00	26.88	36.50	40.88	50.88	56.88	-	-	in
(RTJ)	371	422	473	549	711	841	1000	1146	1276	1407	454	514	584	683	927	1038	1292	1445	-	-	mm
, H	17.62	17.62	21.62	25.25	33.5	38.62	46.5	62.25	70.5	78	22.5	22.5	25.62	30	36.62	41.38	44.88	60.25	-	_	in
(open)	448	448	550	640	850	980	1180	1580	1790	1980	570	570	650	760	930	1050	1140	1530	-	-	mm
DO	14	14	14	18	24	28	34	34	34	34	14	14	18	24	28	34	34	34	-	-	in
DU	350	350	350	450	600	700	850	850	850	850	350	350	450	600	700	850	850	850	_	-	mm
WT(kg)	45	45	55	77	175	323	540	795	1115	1556	110	110	150	175	380	575	980	1570	_	_	BW
wi(kg)	80	80	95	123	283	481	795	1148	1626	2195	165	195	235	316	635	910	1780	2680	-	-	RF/RTJ

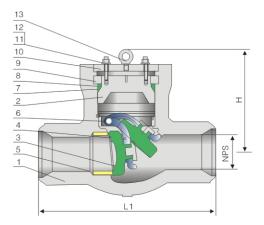
## Pressure Seal Cast Steel Swing Check Valve 900Lb DERVOS



- STEEL CHECK VALVES, API 594/API 6D
- STEEL CHECK VALCES, ISO14313
- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES, ASME B16.5
- INSPECTION AND TEST, API 598/API 6D

## **Design descriptions:**

- ●PSB,PRESSURE SEAL BONNET
- FLEXIBLE DISC, FULLY GUIDED
- RENEWABLE SEAT RINGS
- FLANGED OR BUTTWELDING ENDS

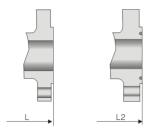


## **Materials of parts**

No	Part Name		<b>ASTM Materials</b>				
NO	Part Name	Carbon Steel	1 <sup>1</sup> /4cr- <sup>1</sup> /2Mo	18Cr-9Ni-2Mo			
1	Body	A216-WCB	A217-WC6	A351-CF8M			
2	Pres. Seal Bonnet	A216-WCB	A217-WC6	A351-CF8M			
3	Disc	A105+HF	A182-F11+HF	A351-CF8M+HF			
4	Hinge	A216-WCB	A217-WC6	A351-CF8M			
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF			
6	Hinge Pin	A276-420	A276-304	A276-316			
7	Bonnet Gasket <sup>1)</sup>	Steel Ring	304SS Ring	316SS RING			
8	Adapter Ring	Carbon Steel	A276-420	A276-316			
9	Retainer	Carbon Steel	A276-420	A276-316			
10	Cover	Carbon Steel	Alloy Steel	Stainless Steel			
11	Stud	A193–B7	A193–B7	A193-B8M			
12	Stud Nut	A194–2H	A194–2H	A194–8M			
13	Eyebolt	Carbon Steel					

Note:1) graphite optional

2)disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown



NPS	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	10	12	14	16	in
DN	50	65	80	100	150	200	250	300	350	400	mm
					ANSI C	lass900Lb					
L1	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	39.00	43.00	in
(BW)	216	254	305	356	508	660	787	914	991	1092	mm
L	14.50	16.60	15.00	18.00	24.00	29.00	33.00	38.00	40.5	44.5	in
(RF)	368	419	381	457	610	737	838	965	1029	1130	mm
L2	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	in
(RTJ)	371	422	384	460	613	740	841	968	1038	1140	mm
Н	9.50	9.50	10.00	13.38	15.75	18.12	21.62	24.00	27.00	29.50	in
п	240	240	255	340	400	460	550	610	685	750	mm
wt(kg)	22	34	38	71	176	485	761	1125	1345	1490	BW
wi(kg)	44	55	61	116	255	630	940	1433	1710	1820	RF/RTJ



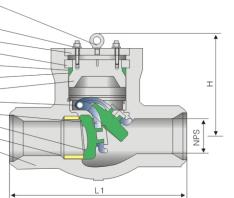
## **Applicable Standards:**

- STEEL CHECK VALVES, BS EN 13709/API 600
- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES, ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST, API 598

#### 13 12 11 10 9 8 7 2 Т 6 4 3 NPS 5 1 L1

## **Design descriptions:**

- ●PSB,PRESSURE SEAL BONNET
- FLEXIBLE DISC, FULLY GUIDED
- RENEWABLE SEAT RINGS
- FLANGED OR BUTTWELDING ENDS

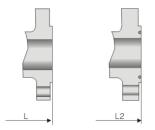


## **Materials of parts**

No	Part Name		<b>ASTM Materials</b>	_			
		Carbon Steel	1 <sup>1</sup> /4cr- <sup>1</sup> /2Mo	18Cr-9Ni-2Mo			
1	Body	A216-WCB	A217-WC6	A351-CF8M			
2	Pres. Seal Bonnet	A216-WCB	A217-WC6	A351-CF8M			
3	Disc	A105+HF	A182-F11+HF	A351-CF8M+HF			
4	Hinge	A216-WCB	A217-WC6	A351-CF8M			
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF			
6	Hinge Pin	A276-420	A276-304	A276-316			
7	Bonnet Gasket <sup>1)</sup>	Steel Ring	304SS Ring	316SS RING			
8	Adapter Ring	Carbon Steel	A276-420	A276-316			
9	Retainer	Carbon Steel	A276-420	A276-316			
10	Cover	Carbon Steel	Alloy Steel	Stainless Steel			
11	Bonnet Stud	A193–B7	A193–B7	A193-B8M			
12	Bonnet Stud Nut	A194–2H	A194–2H	A194–8M			
13	Eyebolt	Carbon Steel					

Note:1) graphite optional

2)disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown



NPS	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	10	12	14	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	10	12	in
DN	50	65	80	100	150	200	250	300	350	50	65	80	100	150	200	250	300	mm
				Α	NSI CI	ass15	00Lb			ANSI Class2500Lb								
L1	8.50	10.00	12.00	16.00	22.00	28.00	34.00	39.00	42.00	11.00	13.00	14.50	18.00	24.00	30.00	36.00	41.00	in
(BW)	216	254	305	406	559	711	864	991	1067	279	330	368	457	610	762	914	1041	mm
L	14.50	16.50	18.50	21.50	27.75	32.75	39	44.5	49.5	17.75	20.00	22.75	26.50	36.00	40.25	50	56	in
(RF)	368	419	470	546	705	832	991	1130	1257	451	508	578	673	914	1022	1270	1422	mm
L2	14.62	16.62	18.62	21.62	28.00	33.12	39.38	45.12	50.25	17.88	20.50	23.00	26.88	36.50	40.88	50.88	56.88	in
(RTJ)	371	422	473	549	711	842	1000	1146	1276	454	514	584	683	927	1038	1292	1445	mm
	9.50	9.50	11.88	15.38	18.00	20.62	24.00	27.00	30.00	10.25	10.25	13.75	16.12	18.88	22.38	25.25	32.00	in
Н	240	240	300	390	455	525	610	685	760	260	260	350	410	480	570	640	815	mm
wt(kg)	22	37	45	78	245	530	815	1213	1555	55	78	95	182	300	630	825	1580	BW
wi(KG)	44	61	110	155	378	675	1160	1710	2315	93	130	170	315	618	1125	1760	2910	RF/RTJ

## Pressure Seal, Cast Steel Globe Valve 900Lb DERVOS



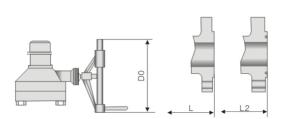
## **Applicable Standards:**

- STEEL GLOBE VALVES, BS EN 13709/API 600
- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST ,API 598

## **Design descriptions:**

- PSB, PRESSURE SEAL BONNET
- OS&Y, OUTSIDE SCREW AND YOKE
- BB, BOLTED BONNET
- RENEWABLE SEAT RINGS
- **•**RISING STEM AND HANDWHEEL
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH BG OPERATOR

### 18 2 20 21 22 19 23 17 16 DO 15 14 <u>13</u> 12 11 10 H(Open) 9 8 7 6 \_4 3 5 1 SdN L1



## Materials of parts

No	Part Name		<b>ASTM Materials</b>					
110	Part Name	Carbon Steel	1 <sup>1</sup> /4cr– <sup>1</sup> /2Mo	18Cr-9Ni-2Mo				
1	Body	A216-WCB	A217-WC6	A351–CF8M				
2	Yoke	A216–WCB	A217-WC6	A351–CF8M				
3	Disc	A216-WCB+HF	A217-WC6+HF	A351-CF8M+HF				
4	Stem	A182–F6a	CR-MO-V	A182–316				
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF				
6	Bonnet	A105	A182–F11	A240–316				
7	Bonnet Gasket <sup>1)</sup>	Steel Ring	304SS Ring	316SS Ring				
8	Adapter Ring	Carbon Steel	A276-420	A276–316				
9	Retainer	Carbon Steel	A276-420	A276–316				
10	Yoke Cap	Carbon Steel	Alloy Steel	Stainless Steel				
11	Bonnet Stud	A193–B7	A193–B16	A193–B8M				
12	Bonnet Stud Nut	A194–2H	A194–7	A194–8M				
13	Packing		Graphite					
14	Gland	A276-420	A276-304	A276-316L				
15	Gland Flange	A216-WCB	A217-WC6	A351–CF8M				
16	Eyebolt Pin	Carbon Steel	A276-420	A276–316				
17	Eyebolt	Carbon Steel	A193–B7	A193–B8				
18	Eyebolt Nut	Carbon Steel	A194–2H	A194–8				
19	Grease Fitting		Brass+Steel					
20	Yokesleeve		Aluminum-Bronze <sup>2)</sup>					
21	Yokesleeve Jam Nut	Carbon S	Carbon Steel Stainless Stee					
22	Handwheel		Malleable Iron					
23	Handwheel Nut		Carbon Steel					

2)Ductile Ni-resist optional

3)Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

NPS	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	10	12	in
DN	50	65	80	100	150	200	250	300	mm
				ANSIC	lass 900Lb				
L1	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	in
(BW)	216	254	305	356	508	660	787	914	mm
L	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	in
(RF)	368	419	381	457	610	737	838	965	mm
L2	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	in
(RTJ)	371	422	384	460	613	740	841	968	mm
Н	22	22	22	27	36.38	43.38	50.62	57	in
(open)	557	557	557	685	925	1100	1285	1450	mm
D0	16	16	16	16	28	28	36	36	in
DU	400	400	400	400	700	700	900	900	mm
WT(kg)	46	53	68	100	270	450	740	1150	BW
wi(kg)	75	82	95	135	355	680	1050	1480	RF/RTJ

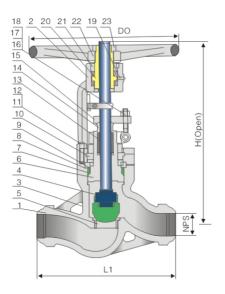


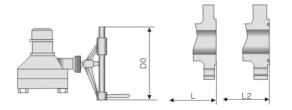
## **Applicable Standards:**

- STEEL GLOBE VALVES, BS EN 13709/API 600
- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST ,API 598

## **Design descriptions:**

- PSB, PRESSURE SEAL BONNET
- OS&Y, OUTSIDE SCREW AND YOKE
- BB, BOLTED BONNET
- RENEWABLE SEAT RINGS
- RISING STEM AND HANDWHEEL
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH BG OPERATOR





### Materials of parts

No	Part Name		<b>ASTM Materials</b>	
NO	Fart Name	Carbon Steel	1 <sup>1</sup> /4cr– <sup>1</sup> /2Mo	18Cr-9Ni-2Mo
1	Body	A216-WCB	A217-WC6	A351–CF8M
2	Yoke	A216-WCB	A217-WC6	A351–CF8M
3	Disc	A216-WCB+HF	A217-WC6+HF	A351-CF8M+HF
4	Stem	A182–F6a	CR-MO-V	A182–316
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF
6	Bonnet	A105	A182–F11	A240-316
7	Bonnet Gasket <sup>1)</sup>	Steel Ring	304SS Ring	316SS Ring
8	Adapter Ring	Carbon Steel	A276-420	A276-316
9	Retainer	Carbon Steel	A276-420	A276–316
10	Yoke Cap	Carbon Steel	Alloy Steel	Stainless Steel
11	Bonnet Stud	A193–B7	A193–B16	A193-B8M
12	Bonnet Stud Nut	A194–2H	A194–7	A194-8M
13	Packing		Graphite	
14	Gland	A276-420	A276-304	A276–316L
15	Gland Flange	A216-WCB	A217-WC6	A351-CF8M
16	Eyebolt Pin	Carbon Steel	A276-420	A276–316
17	Eyebolt	Carbon Steel	A193–B7	A193–B8
18	Eyebolt Nut	Carbon Steel	A194–2H	A194–8
19	Grease Fitting		Brass+Steel	
20	Yokesleeve		Aluminum-Bronze <sup>2)</sup>	
21	Yokesleeve Jam Nut	Carbon S	Stainless Steel	
22	Handwheel		Malleable Iron	
23	Handwheel Nut		Carbon Steel	

1) Graphite optional
2)Ductile Ni-resist optional
3)Wedge and seart ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

NPS	2	<b>2</b> <sup>1</sup> / <sub>2</sub>	3	4	6	8	2	<b>2</b> <sup>1</sup> /2	3	4	6	in
DN	50	65	80	100	150	200	50	65	80	100	150	mm
			ANSI Cla	ss 1500Lb	2			ANS	SI Class 2	500Lb		
L1	8.50	10.00	12.00	16.00	22.00	28.00	11.00	13.00	14.50	18.00	24.00	in
(BW)	216	254	305	406	559	711	279	330	368	457	610	mm
L	14.50	16.50	18.50	21.50	27.75	32.75	17.75	20.00	22.75	26.50	36.00	in
(RF)	368	419	470	546	705	832	451	508	578	673	914	mm
L2	14.62	16.62	18.62	21.62	28.00	33.12	17.88	20.50	23.00	26.88	36.50	in
(RTJ)	371	422	473	549	711	842	454	514	584	683	927	mm
Н	22	22	24.38	30	44.62	54.75	23.38	23.38	28	32.25	49.62	in
(open)	557	557	620	760	1135	1390	595	595	710	820	1260	mm
D0	16	18	20	24	28	36	16	20	24	28	36	in
DU	400	450	500	600	700	900	400	500	600	700	900	mm
WT(kg)	57	65	90	190	450	730	65	78	125	155	480	BW
wr(kg)	86	112	162	240	580	950	115	136	205	275	860	RF/RTJ