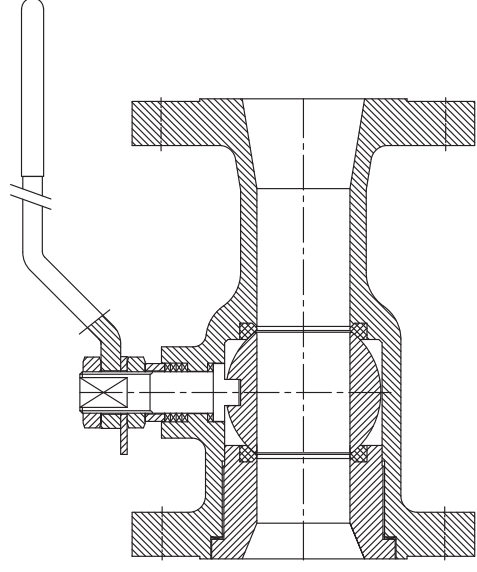


006

BALL VALVE

MATERIAL SPECIFICATION			
PARTS	MATERIAL		
BODY	A 216 WCB	A 351 CF8	A 351 CF8M
BALL	T304/A 351 CF8		T316/A 351 CF8M
SEAT	PTFE		
SPINDLE	T410	T304	T316
GLAND BUSH	T410	T304	T316
HANDLE	STEEL WITH PVC CAP		
HANDLE NUT	STEEL		
GASKET	T304		
GLAND PACKING	PTFE		
BOTTOM WASHER	PTFE		
END PIECE	A 216 WCB	A 351 CF8	A 351 CF8M
GLAND NUT	CARBON STEEL		T304
NAME PLATE	ALUMINIUM/SS		
POSITION INDICATOR	ALUMINIUM/SS		



DIMENSION TABLE 150 CLASS

VALVE SIZE in	1	1.5	2	2.5	3	4	6
mm	25	40	50	65	80	100	150
L	5.0	6.5	7.0	7.5	8.0	9.0	10.5
H	127	165	178	190	203	229	267
H app	95	100	125	140	175	195	235
K app	220	220	220	320	320	385	500
øP	17	28	36	50	57	75	98
Wt. kg app(F/E)	3	6	8.5	17	21	30	42

DIMENSION TABLE 300 CLASS

VALVE SIZE in	1.5	2	2.5	3	4	6
mm	40	50	65	80	100	150
L	6.5	7.5	8.5	9.5	11.1	12.0
H app	165	190	216	241	282	305
K app	220	220	320	320	385	500
øP	17	28	36	50	57	75
Wt. kg app(F/E)	6	9	16	29	33	45

DIMENSION TABLE 600 CLASS

VALVE SIZE in	1.5	2	2.5	3	4	6
mm	40	50	65	80	100	150
L	6.5	7.5	8.5	9.5	11.1	12.0
H app	165	190	216	241	282	305
K app	220	220	320	320	385	500
øP	17	28	36	50	57	75
Wt. kg app(F/E)	6	9	16	29	33	45

DIMENSION TABLE 150 CLASS

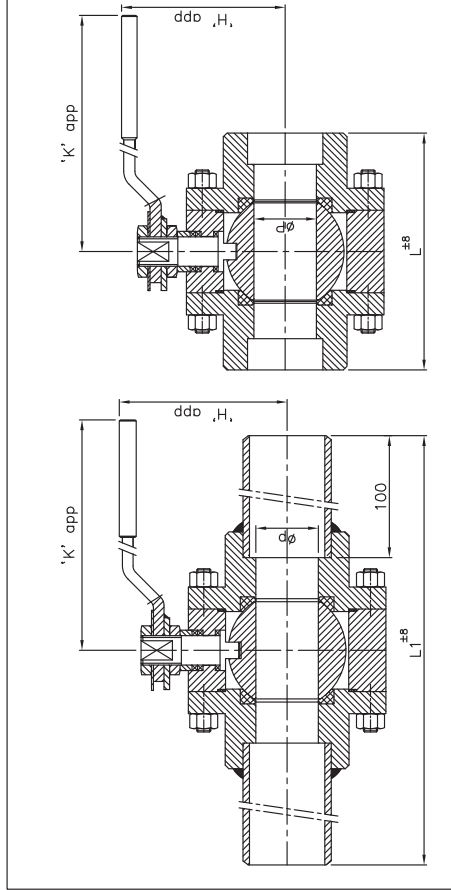
VALVE SIZE in	1.5	2	2.5	3	4	6	8	10	12
mm	40	50	65	80	100	150	200	250	300
L	6.5	7.0	7.5	8.0	9.0	10.5	18.0	21.0	24.0
H app	165	178	191	203	229	394	457	533	610
K app	100	125	140	150	180	270	325	390	540
øP	220	220	320	320	385	500	600	450	450
Wt. kg app(F/E)	9	14	20	27	40	90	165	225	325

DIMENSION TABLE 300 CLASS

VALVE SIZE in	1.5	2	2.5	3	4	6	8
mm	40	50	65	80	100	150	200
L	7.5	8.5	9.5	11.1	12.0	15.9	19.75
H app	190	216	241	282	305	403	502
K app	220	220	320	320	385	500	450
øP	37	49	64	75	98	148	198
Wt. kg app(F/E)	12	18	28	35	55	110	235

DIMENSION TABLE 600 CLASS

VALVE SIZE in	1.5	2	2.5	3	4
mm	40	50	65	80	100
L	9.5	11.5	13.0	14.0	17.0
H app	241	292	330	356	432
K app	125	135	150	200	250
øP	220	320	350	400	450
Wt. kg app(F/E)	22	30	35	55	75

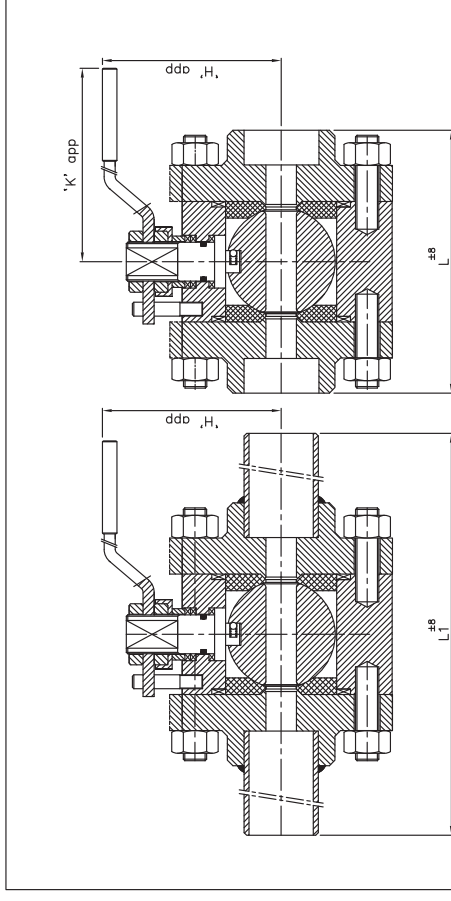


MATERIAL SPECIFICATION

PARTS	MATERIAL	
BODY	A 105	A 182 F304
BALL	T304	A 182 F304
SEAT	T304	
SPINDLE	T410	T304
GLAND BUSH	T410	T304
HANDLE	STEEL	
HANDLE NUT	T410	T304
STUD & NUT	A 193 B7/A 194 2H A 193 B8/A 194 Gr.8	
GASKET	PIFE	
GLAND PACKING	PIFE	
BOTTOM WASHER	PIFE	
END PIECE	A 105	A 182 F304
GLAND NUT	T410	T304
NAME PLATE	ALUMINIUM/SS	
POSITION INDICATOR	ALUMINIUM/SS	
EXTENDED PIPE	ASTM A 106 Gr.B	ASTM A 312 TP 304
		ASTM A 312 TP 304

DIMENSION TABLE 800 CLASS

VALVE SIZE	0.5	0.75	1	1.25	1.5	2
in	15	20	25	40	40	40
mm	15	20	25	40	40	40
L	29	31	3.5	5.1	5.1	5.9
	75	80	90	130	130	150
L1	10.0	10.0	10.3	11.9	11.9	12.5
	255	254	264	304	304	318
'H' app	70	80	90	100	110	115
K app	130	140	160	240	240	240
øP	12	19	24	30	37	50
Wt.kg (app)	1.4	2	3.5	6	7	8



DIMENSION TABLE 900 CLASS

VALVE SIZE	0.5	0.75	1	1.5
in	15	20	25	40
mm	15	20	25	40
L	3.7	3.7	4.1	4.3
	95	95	105	110
L1	10.8	10.8	10.9	11.1
	275	275	279	284
'H' app	75	85	115	115
K app	125	150	175	240
Wt.kg (app)	-	-	-	-

DIMENSION TABLE 1500 CLASS

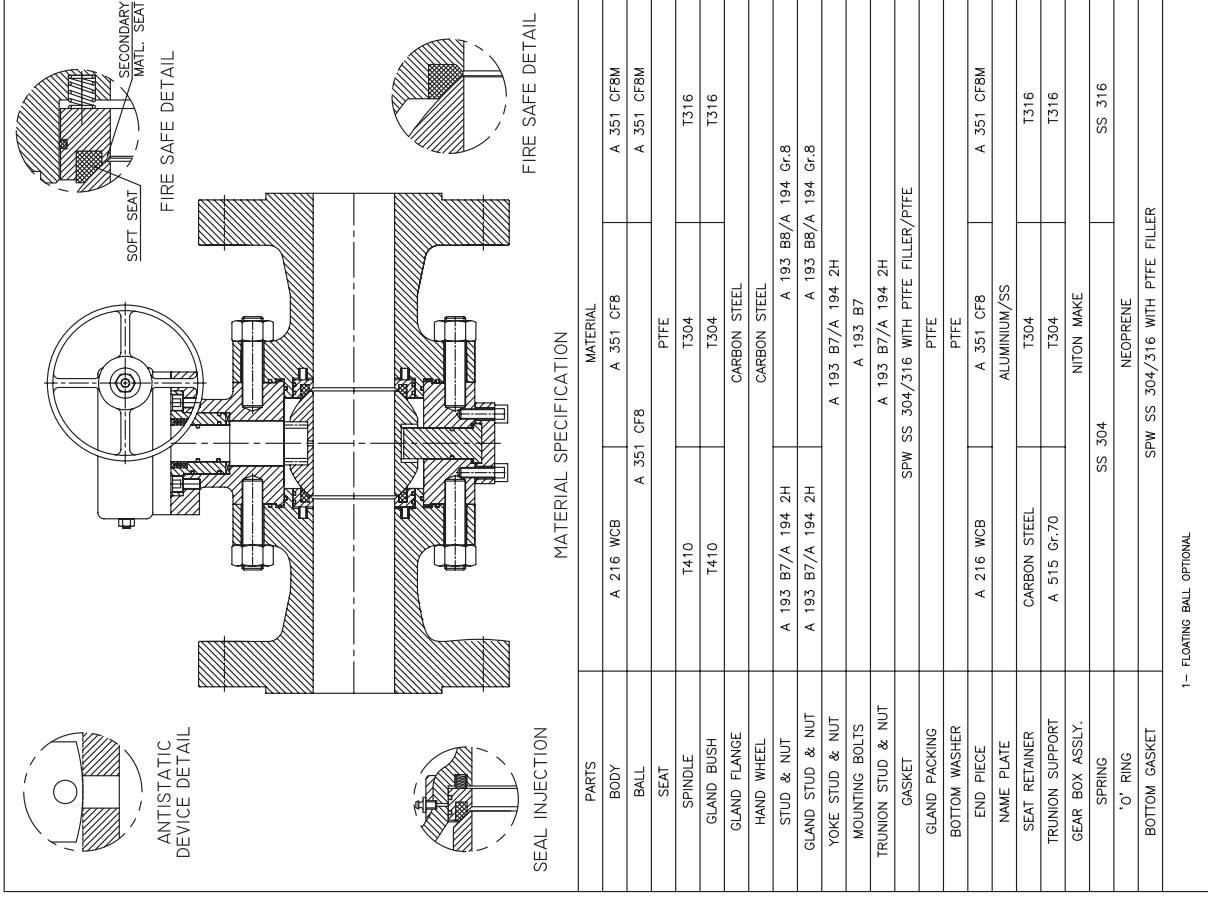
VALVE SIZE	0.5	0.75	1	1.5
in	15	20	25	40
mm	15	20	25	40
L	3.7	3.7	4.1	4.3
	95	95	105	110
L1	10.8	10.8	10.9	11.1
	275	275	279	284
'H' app	75	85	115	115
K app	125	150	175	240
Wt.kg (app)	-	-	-	-

DIMENSION TABLE 2500 CLASS

VALVE SIZE	0.5	0.75	1	1.5
in	15	20	25	40
mm	15	20	25	40
L	3.7	3.7	4.1	4.1
	95	95	105	105
L1	10.8	10.8	10.9	10.9
	275	275	279	279
'H' app	85	85	115	115
K app	125	150	175	175
Wt.kg (app)	-	-	-	-



TRUNION MOUNTED BALL VALVE
 2/3-PIECE FULL BORE/REDUCE BORE
 CLASS 150,300,600,900,1500,2500.
 BS 5351/API 6D



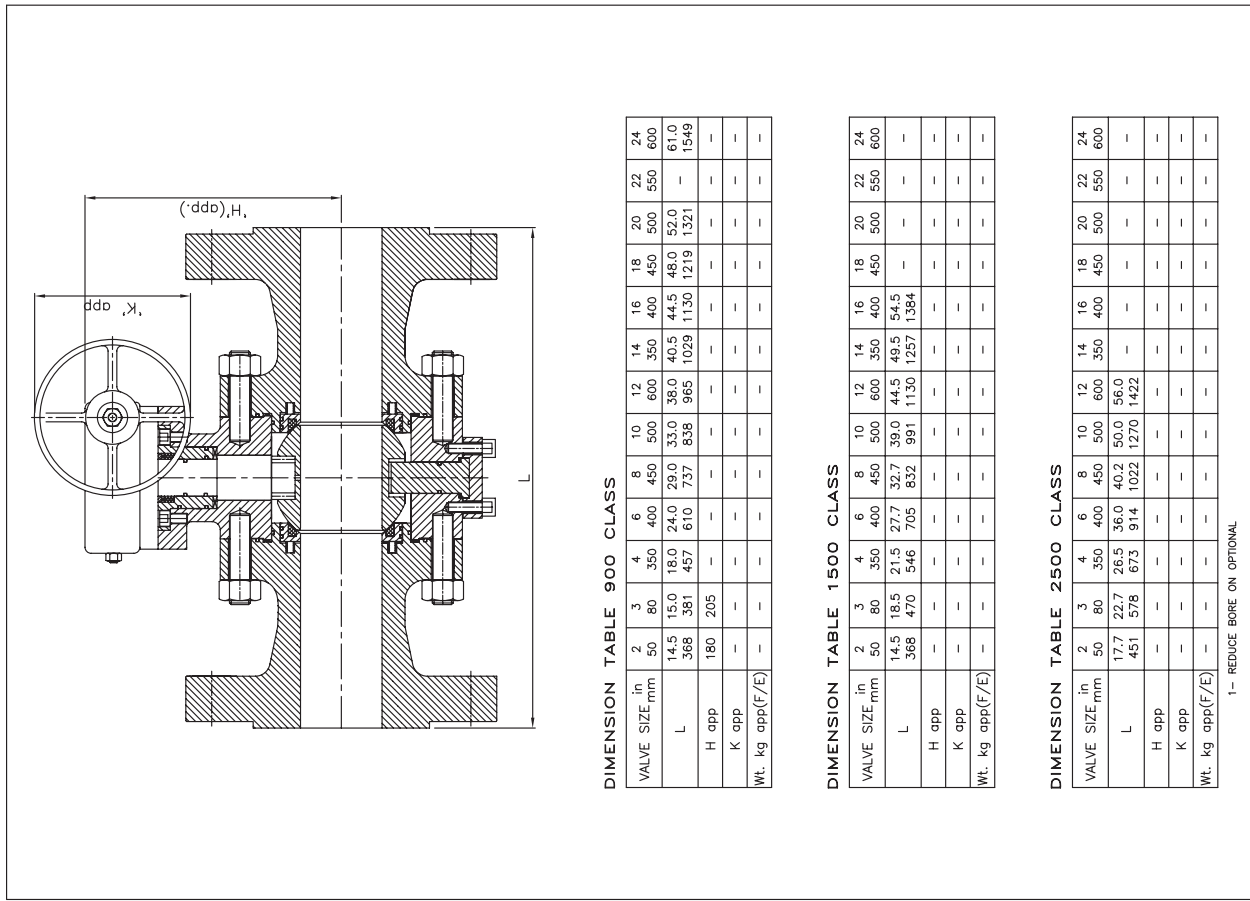
MATERIAL SPECIFICATION

PARTS	MATERIAL	
BODY	A 216 WCB	A 351 CF8
BALL	A 351 CF8	A 351 CF8M
SEAT	PITFE	
SPINDLE	T410	T304
GLAND BUSH	T410	T304
GLAND FLANGE	CARBON STEEL	
HAND WHEEL	CARBON STEEL	
STUD & NUT	A 193 B7/A 194 2H	A 193 B8/A 194 Gr.8
GLAND STUD & NUT	A 193 B7/A 194 2H	A 193 B8/A 194 Gr.8
YOKE STUD & NUT	A 193 B7/A 194 2H	
MOUNTING BOLTS	A 193 B7	
TRUNION STUD & NUT	A 193 B7/A 194 2H	
GASKET	SPW SS 304/316 WITH PTFE FILLER/PITFE	
GLAND PACKING	PITFE	
BOITOM WASHER	PITFE	
END PIECE	A 216 WCB	A 351 CF8
NAME PLATE	ALUMINIUM/SS	
SEAT RETAINER	CARBON STEEL	
TRUNION SUPPORT	A 515 Gr.70	T304
GEAR BOX ASSLY.	NITON MAKE	
SPRING	SS 304	SS 316
'O' RING	NEOPRENE	
BOTTOM GASKET	SPW SS 304/316 WITH PTFE FILLER	

1- FLOATING BALL OPTIONAL

07

BALL VALVE (TRUNION)



DIMENSION TABLE 900 CLASS

VALVE SIZE	2	3	4	6	8	10	12	14	16	18	20	22	24
VALVE SIZE in	50	80	350	400	450	500	600	350	400	450	500	550	600
L	14.5	15.0	18.0	24.0	29.0	33.0	38.0	40.5	44.5	48.0	52.0	61.0	61.0
H	368	381	457	610	737	838	965	1029	1130	1219	1321	—	1549
H app	180	205	—	—	—	—	—	—	—	—	—	—	—
K app	—	—	—	—	—	—	—	—	—	—	—	—	—
Wt. kg app(F/E)	—	—	—	—	—	—	—	—	—	—	—	—	—

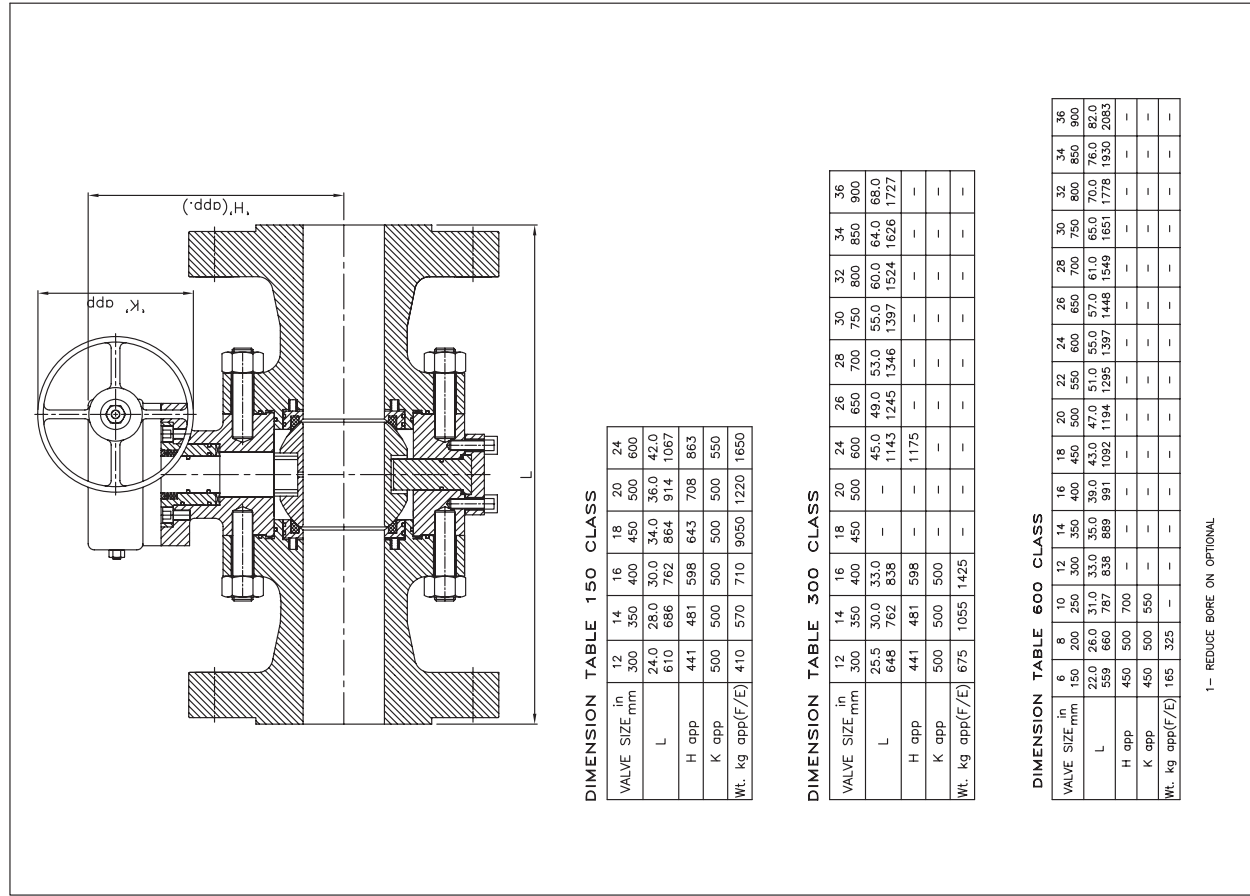
DIMENSION TABLE 1500 CLASS

VALVE SIZE	2	3	4	6	8	10	12	14	16	18	20	22	24
VALVE SIZE in	50	80	350	400	450	500	600	350	400	450	500	550	600
L	14.5	18.5	21.5	27.7	32.7	39.0	44.5	49.5	54.5	—	—	—	—
H	368	470	546	705	832	991	1130	1257	1384	—	—	—	—
H app	—	—	—	—	—	—	—	—	—	—	—	—	—
K app	—	—	—	—	—	—	—	—	—	—	—	—	—
Wt. kg app(F/E)	—	—	—	—	—	—	—	—	—	—	—	—	—

DIMENSION TABLE 2500 CLASS

VALVE SIZE	2	3	4	6	8	10	12	14	16	18	20	22	24
VALVE SIZE in	50	80	350	400	450	500	600	350	400	450	500	550	600
L	17.7	22.7	26.5	36.0	40.2	50.0	56.0	—	—	—	—	—	—
H	451	578	673	914	1022	1270	1422	—	—	—	—	—	—
H app	—	—	—	—	—	—	—	—	—	—	—	—	—
K app	—	—	—	—	—	—	—	—	—	—	—	—	—
Wt. kg app(F/E)	—	—	—	—	—	—	—	—	—	—	—	—	—

1- REDUCE BORE ON OPTIONAL



DIMENSION TABLE 150 CLASS

VALVE SIZE	12	14	16	18	20	24
VALVE SIZE in	300	350	400	450	500	600
L	24.0	28.0	30.0	34.0	36.0	42.0
H	610	686	762	864	914	1067
H app	441	481	598	643	708	863
K app	500	500	500	500	500	550
Wt. kg app(F/E)	410	570	710	9050	1220	1650

DIMENSION TABLE 300 CLASS

VALVE SIZE	12	14	16	18	20	24	26	28	30	32	34	36
VALVE SIZE in	300	350	400	450	500	600	650	700	750	800	850	900
L	25.5	30.0	33.0	35.0	40.0	45.0	49.0	53.0	55.0	60.0	64.0	68.0
H	648	762	838	—	1143	1245	1346	1397	1524	1626	1727	—
H app	441	481	598	—	1175	—	—	—	—	—	—	—
K app	500	500	500	—	—	—	—	—	—	—	—	—
Wt. kg app(F/E)	675	1065	1425	—	—	—	—	—	—	—	—	—

DIMENSION TABLE 600 CLASS

VALVE SIZE	6	8	10	12	14	16	18	20	24	28	30	32	34	36
VALVE SIZE in	150	200	250	300	350	400	450	500	600	650	700	750	800	850
L	20.0	26.0	31.0	33.0	35.0	39.0	43.0	47.0	51.0	55.0	57.0	61.0	65.0	70.0
H	559	660	767	838	889	991	1092	1194	1295	1397	1448	1549	1651	1778
H app	450	500	700	—	—	—	—	—	—	—	—	—	—	—
K app	450	500	550	—	—	—	—	—	—	—	—	—	—	—
Wt. kg app(F/E)	165	325	—	—	—	—	—	—	—	—	—	—	—	—

1- REDUCE BORE ON OPTIONAL