

SKETCH – CUTTING OF 6” COMPACT FLANGES – 2 EA- Special Item Tags SI347186 and SI347187

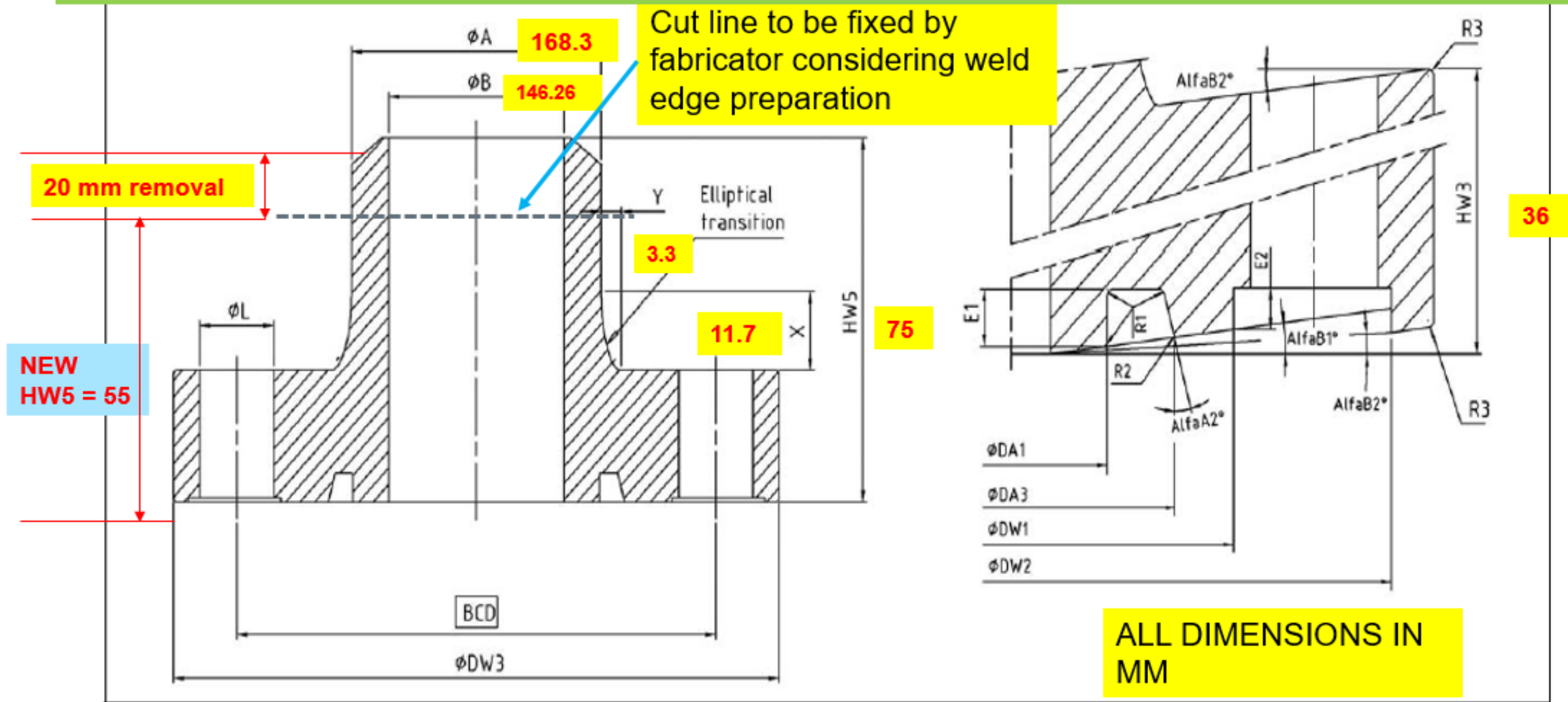


Figure A.1 – Nomenclatures for weld neck (WN) flanges

DIMENSIONS- 6” , CLASS 600# COMPACT FLANGES

Table A.3 – Dimensions of CL 600 weld neck (WN) flanges

DN	NPS	t mm	A mm	B mm	Dw1 mm	Dw2 mm	Dw3 mm	BCD mm	DA1 mm	DA3 mm	$\alpha A2$ °	E1 mm	E2 mm	$\alpha B1$ °	$\alpha B2$ °	Hw3 mm	Hw5 mm	X mm	Y mm	R1 mm	R2 mm	R3 mm	L mm	n	d_b in
15	½	2.77-4.78	21.3	15.8-11.7	49.1	87.0	93.0	67.3	20.8	30.86	15.1	5.30	1.0	0.15	0.10	20.0	51.0	10.5	3.0	0.3	0.5	1.0	15.0	4	½
20	¾	2.87-5.56	26.7	21.0-15.6	54.4	92.0	98.0	72.7	25.8	35.86	15.1	5.30	1.0	0.15	0.10	20.0	53.0	10.5	3.0	0.3	0.5	1.0	15.0	4	½
25	1	2.77-6.35	33.4	27.9-20.7	61.2	99.0	105.0	79.4	32.8	42.85	15.1	5.30	1.0	0.15	0.10	20.0	56.0	10.5	3.0	0.3	0.5	1.0	15.0	4	½
40	1½	2.77-7.14	48.3	42.8-34.0	77.1	115.0	121.0	95.3	47.8	58.88	15.2	5.58	1.0	0.29	0.19	23.0	64.0	12.4	3.5	0.3	0.5	1.0	15.0	8	½
50	2	2.77-8.74	60.3	54.8-42.8	91.7	130.0	136.0	110.0	59.8	71.89	15.2	6.19	1.0	0.33	0.22	23.0	60.0	10.5	3.0	0.4	0.6	1.0	15.0	8	½
65	2½	3.05-7.01	73.0	66.9-59.0	104.8	143.0	149.0	123.1	72.8	85.92	15.3	6.79	1.0	0.44	0.29	26.0	66.0	12.0	3.4	0.4	0.6	1.0	15.0	12	½
80	3	3.05-7.62	88.9	82.8-73.7	116.7	155.0	161.0	134.9	87.8	101.93	15.4	7.42	1.0	0.53	0.35	25.0	61.0	10.5	3.0	0.4	0.7	1.0	15.0	12	½
100	4	3.05-8.56	114.3	108.2-97.2	150.0	196.0	203.0	171.7	113.8	129.97	15.4	8.40	1.0	0.59	0.39	31.0	70.0	11.7	3.3	0.5	0.8	1.0	18.0	12	¾
125	5	3.40-9.53	141.3	134.5-122.2	177.0	223.0	230.0	198.6	139.8	157.88	15.3	9.27	1.0	0.48	0.32	35.0	78.0	13.7	3.9	0.5	0.9	1.0	18.0	12	¾
150	6	7.11-10.97	168.3	154.1-146.4	205.2	251.0	258.0	226.8	167.7	187.85	15.3	10.12	1.0	0.46	0.31	36.0	75.0	11.7	3.3	0.6	1.0	1.0	18.0	12	¾
200	8	6.35-12.70	219.1	206.4-193.7	258.7	304.0	312.0	280.4	217.7	239.92	15.4	11.48	1.0	0.60	0.40	43.0	87.0	14.1	4.0	0.7	1.1	1.5	18.0	20	¾

Design as per NORSOK L-005.

Weld preparation for WN flanges to be as per ASME B16.25.