

PortNo	Portsize	occupation	xdcos	ydcos	zdcos	PortNo	Hz(deg)	Tz(deg)	Hx(deg)	Tx(deg)	Hy(deg)	Ty(deg)
1	10 inch	Target driver	0	0	1	1	0	0	90	90	0	90
2	10 inch		0	0	-1	2	0	180	-90	90	-180	90
3	12 inch		-0.642788	0.236721	0.728552	3	159.7827	43.2349	72	130	-41.4214	76.3069
4	12 inch		0.642788	-0.236721	-0.728552	4	20.2173	136.7651	-108	50	138.5786	103.6931
5	12 inch		0.642788	-0.236721	0.728552	5	-20.2173	43.2349	108	50	41.4214	103.6931
6	12 inch		-0.642788	0.236721	-0.728552	6	159.7827	136.7651	-72	130	-125.0111	76.3069
7	12 inch		-0.642788	-0.619743	0.45027	7	-136.0457	63.239	144	130	-54.9889	128.2974
8	12 inch		0.642788	0.619743	-0.45027	8	43.9543	116.761	-36	50	125.0111	51.7026
9	12 inch		0.642788	0.619743	0.45027	9	43.9543	63.239	36	50	54.9889	51.7026
10	12 inch		-0.642788	-0.619743	-0.45027	10	-136.0457	116.761	-144	130	-125.0111	128.2974
11	12 inch		-0.642788	0.766044	0	11	130	90	0	130	-90	40
12	12 inch		0.642788	-0.766044	0	12	-50	90	180	50	90	140
13	12 inch		-1	0	0	13	180	90	0	180	-90	90
14	12 inch	HIPER laser inlet	1	0	0	14	0	90	0	0	90	90
15	20 inch	Evacuation	0	-0.816497	-0.57735	15	-90	125.2644	-144.7356	90	180	144.7356
16	6 inch		0	0.422618	0.906308	16	90	25	65	90	0	65
17	6 inch		0	-0.422618	0.906308	17	-90	25	115	90	0	115
18	6 inch		-0.34202	-0.290381	0.893701	18	-139.6682	26.658	108	110	-20.9419	106.8808
19	6 inch		0.34202	0.290381	0.893701	19	40.3318	26.658	72	70	20.9419	73.1192
20	6 inch		-0.642788	-0.236721	0.728552	20	-159.7827	43.2349	108	130	-41.4214	103.6931
21	6 inch		0.642788	0.236721	-0.728552	21	20.2173	136.7651	-72	50	138.5786	76.3069
22	6 inch		0.642788	0.236721	0.728552	22	20.2173	43.2349	72	50	41.4214	76.3069
23	6 inch		-0.642788	-0.236721	-0.728552	23	-159.7827	136.7651	-108	130	-138.5786	103.6931
24	6 inch		0	0.707107	0.707107	24	90	45	45	90	0	45
25	8 inch		0	-0.707107	0.707107	25	-90	45	135	90	0	135
26	6 inch		0	0.707107	-0.707107	26	90	135	-45	90	180	45
27	6 inch		-0.34202	0.760227	0.552337	27	114.2226	56.4725	36	110	-31.7667	40.5158
28	6 inch		0.34202	-0.760227	0.552337	28	-65.7774	56.4725	144	70	31.7667	139.4842
29	6 inch		-0.34202	0.760227	-0.552337	29	114.2226	123.5275	-36	110	-148.2333	40.5158
30	6 inch		-0.866386	-0.154315	0.474933	30	-169.9007	61.645	108	150.0414	-61.2694	90.8771
31	6 inch		0.866386	0.154315	-0.474933	31	10.0993	118.355	-72	29.9586	118.7306	81.1229
32	6 inch		0.866386	0.154315	0.474933	32	10.0993	61.645	72	29.9586	61.2694	81.1229
33	6 inch		-0.866386	-0.154315	-0.474933	33	-169.9007	118.355	-108	150.0414	-118.7306	98.8771
34	6 inch		-0.642788	0.619743	0.45027	34	136.0457	63.239	36	130	-54.9889	51.7026
35	6 inch		0.642788	-0.619743	-0.45027	35	-43.9543	116.761	-144	50	125.0111	128.2974
36	6 inch		0.642788	-0.619743	0.45027	36	-43.9543	63.239	144	50	54.9889	128.2974
37	6 inch		-0.642788	0.619743	-0.45027	37	136.0457	116.761	-36	130	-125.0111	51.7026
38	6 inch		0	0.92388	0.382683	38	90	67.5	22.5	90	0	22.5
39	6 inch		0	-0.92388	0.382683	39	-90	67.5	157.5	90	0	157.5
40	8 inch		0	0.92388	-0.382683	40	90	112.5	-22.5	90	180	22.5
41	6 inch		-0.866386	0.404003	0.293525	41	155	72.9309	36	150.0414	-71.284	66.1714
42	6 inch		0.866386	-0.404003	-0.293525	42	-25	107.0691	-144	29.9586	108.716	113.8286

43	6 inch		0.866386	-0.404003	0.293525	43	-25	72.9309	144	29.9586	71.284	113.8286
44	6 inch		-0.866386	0.404003	-0.293525	44	155	107.0691	-36	150.0414	-108.716	66.1714
45	8 inch		0	1	0	45	90	90	0	90	0	0
46	6 inch		0	-1	0	46	-90	90	180	90	0	180
47	3 inch		-0.279625	0.960109	0	47	106.2378	90	0	106.2378	-90	16.2378
48	3 inch		0.279625	-0.960109	0	48	-73.7622	90	180	73.7622	90	163.7622
49	3 inch	Target illumination	-0.906308	0.422618	0	49	155	90	0	155	-90	65
50	5 inch	Target monitor TV	0.906308	-0.422618	0	50	-25	90	180	25	90	115
51	6 inch		-0.866386	-0.499375	0	51	-150.0414	90	180	150.0414	-90	119.9586
52	6 inch		0.866306	0.499375	0	52	29.9586	90	0	29.9586	90	60.0414
53	6 inch		-0.67559	-0.737277	0	53	-132.5	90	180	132.5	-90	137.5
54	6 inch		0.67559	0.737277	0	54	47.5	90	0	47.5	90	42.5
55	5 inch	Target monitor TV	-0.422618	-0.906308	0	55	-115	90	180	115	-90	155
56	3 inch	Target illumination	0.422618	0.906308	0	56	65	90	0	65	90	25
57	M56	Dumper	-0.31551	0.31551	-0.894934	57	135	153.5	-70.5799	108.3916	-160.5799	71.6084
58	M56	Dumper	-0.31551	-0.31551	-0.894934	58	-135	153.5	-109.4201	108.3916	-160.5799	108.3916
59	M56	Dumper	0.31551	0.31551	-0.894934	59	45	153.5	-70.5799	71.6084	160.5799	71.6084
60	M56	Dumper	0.31551	-0.31551	-0.894934	60	-45	153.5	-109.4201	71.6084	160.5799	108.3916
61	M42	Hunger bolt	-0.435338	0.557208	0.707107	61	128	45	51.7615	115.8068	-31.619	56.1371
62	M42	Hunger bolt	0.435338	-0.557208	-0.707107	62	-52	135	-128.2385	64.1932	148.381	123.8629
63	M42	Hunger bolt	-0.37471	-0.599661	0.707107	63	-122	45	130.2995	112.0064	-27.92	126.8456
64	M42	Hunger bolt	0.37471	0.599661	-0.707107	64	58	135	-49.7005	67.9936	152.08	53.1544
65	M42	Hunger bolt	0.37471	0.599661	0.707107	65	58	45	49.7005	67.9936	27.92	53.1544
66	M42	Hunger bolt	-0.37471	-0.599661	-0.707107	66	-122	135	-130.2995	112.0064	-152.08	126.8456
67	M42	Hunger bolt	0.435338	-0.557208	0.707107	67	-52	45	128.2385	64.1932	31.619	123.8629
68	M42	Hunger bolt	-0.435338	0.557208	-0.707107	68	128	135	-51.7615	115.8068	-148.381	56.1371