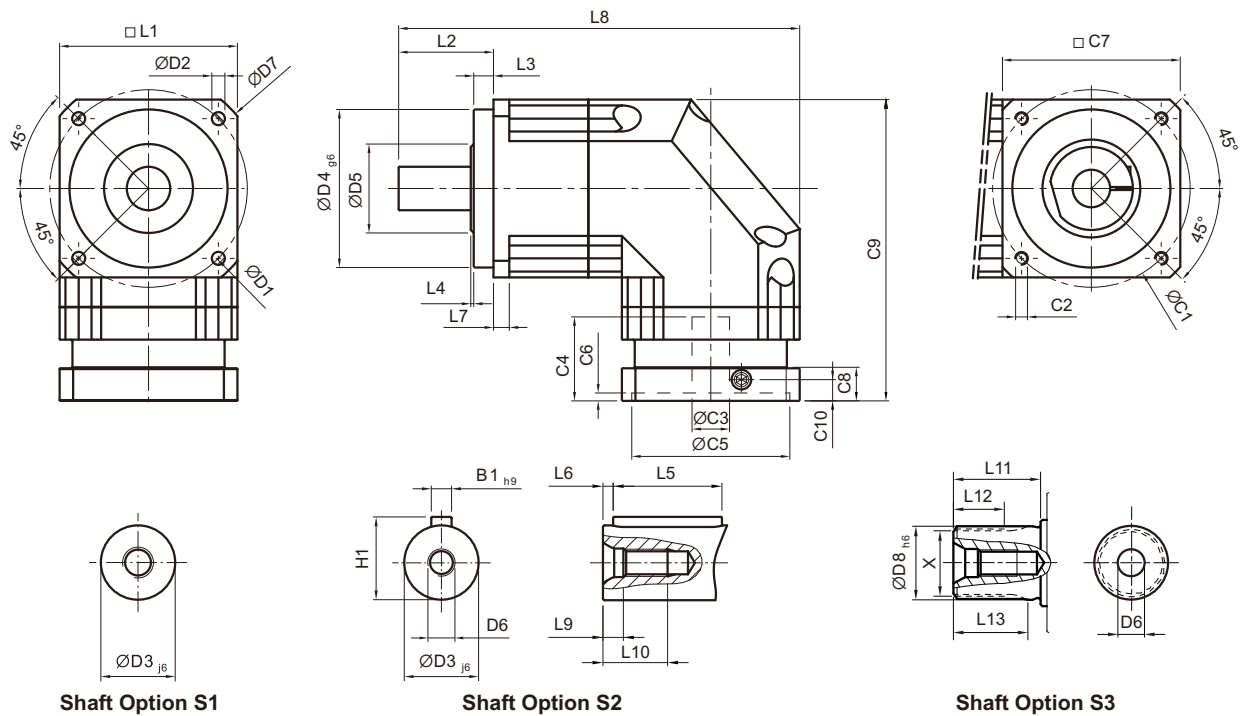


Dimensions (1-stage, Ratio $i=3\sim 20$) / ABR Series

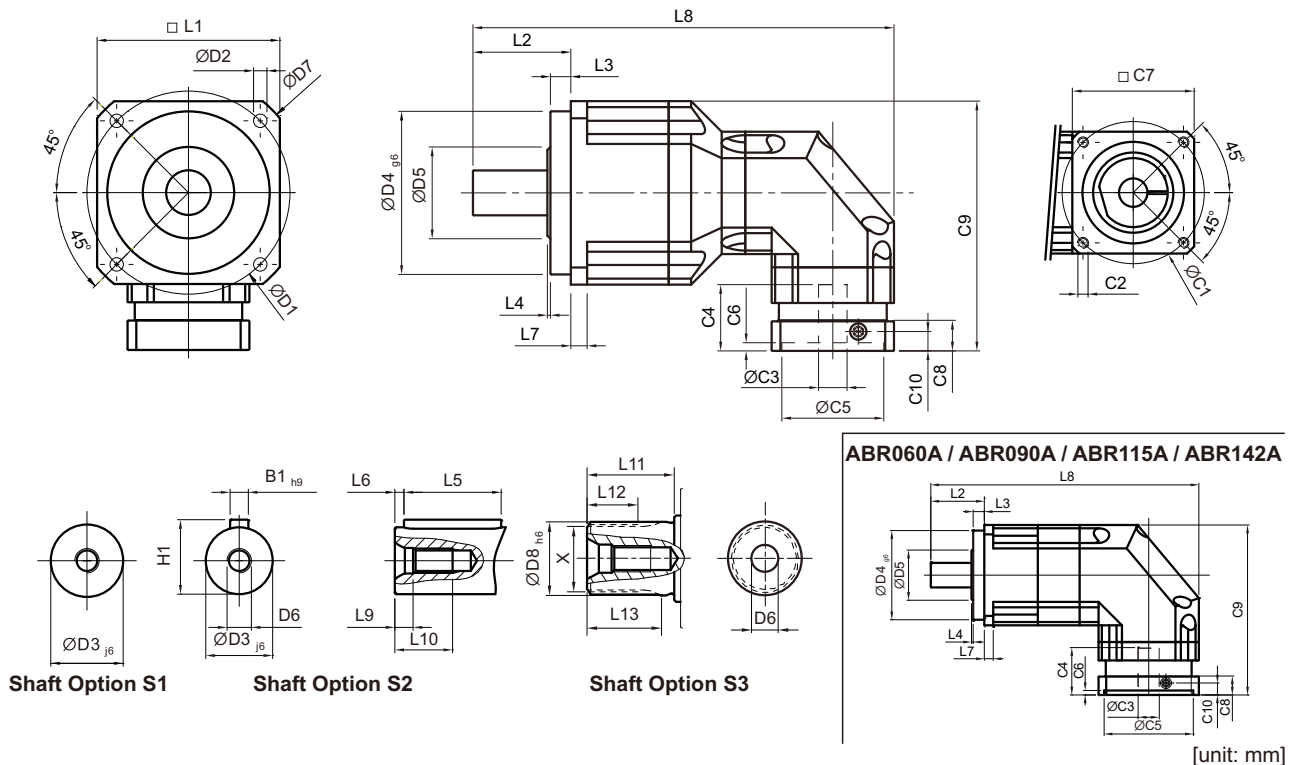


[unit: mm]

Dimension	ABR042	ABR060	ABR090	ABR115	ABR142	ABR180	ABR220
D1	50	70	100	130	165	215	250
D2	3.4	5.5	6.6	9	11	13	17
D3 j6	13	16	22	32	40	55	75
D4 g6	35	50	80	110	130	160	180
D5	22	45	65	95	75	95	115
D6	M4 x 0.7P	M5 x 0.8P	M8 x 1.25P	M12 x 1.75P	M16 x 2P	M20 x 2.5P	M20 x 2.5P
D7	56	80	116	152	185	240	292
D8 h6	-	16	22	32	40	55	75
L1	42	60	90	115	142	180	220
L2	26	37	48	65	97	105	138
L3	5.5	7	10	12	15	20	30
L4	1	1.5	1.5	2	3	3	3
L5	16	25	32	40	63	70	90
L6	2	2	3	5	5	6	7
L7	4	6	8	10	12	15	20
L8	111.5	145	203	259	333	394	484
L9	4.5	4.8	7.2	10	12	15	15
L10	10	12.5	19	28	36	42	42
L11	-	26	26	26	40	41.5	52
L12	-	15	15	15	20	21.5	28
L13	-	21	22.5	23	33.5	33.5	45
C1 ¹	46	70	100	130	165	215	235
C2 ¹	M4 x 0.7P	M5 x 0.8P	M6 x 1P	M8 x 1.25P	M10 x 1.5P	M12 x 1.75P	M12 x 1.75P
C3 ¹	≤11 / ≤12	≤14 / ≤16	≤19 / ≤24	≤32	≤38	≤48	≤55
C4 ¹	25	34	40	50	60	85	116
C5 ¹	30	50	80	110	130	180	200
C6 ¹	3.5	8	4	5	6	6	6
C7 ¹	42	60	90	115	142	190	220
C8 ¹	29.5	19	17	19.5	22.5	29	63
C9 ¹	90.5	111.5	152.5	191.5	235.5	303.5	378.5
C10 ¹	8.75	13.5	10.75	13	15	20.75	53
B1 h9	5	5	6	10	12	16	20
H1	15	18	24.5	35	43	59	79.5
X DIN5480	-	W16x0.8x 30x18x6m	W22x1.25x 30x16x6m	W32x1.25x 30x24x6m	W40x2x 30x18x6m	W55x2x 30x26x6m	W70x2x 30x34x6m

1. C1~C10 are motor specific dimensions (metric std shown). Refer to www.apexdyna.com and Design Tool to view your specific motor mounting system.

Dimensions (2-stage, Ratio $i = 12 \sim 200$) / ABR Series



[unit: mm]

Dimension	ABR042	ABR060	ABR060A	ABR090	ABR090A	ABR115	ABR115A	ABR142	ABR142A	ABR180	ABR220
D1	50	70		100		130		165		215	250
D2	3.4	5.5		6.6		9		11		13	17
D3 _{j6}	13	16		22		32		40		55	75
D4 _{g6}	35	50		80		110		130		160	180
D5	22	45		65		95		75		95	115
D6	M4 x 0.7P	M5 x 0.8P		M8 x 1.25P		M12x1.75P		M16x2P		M20x2.5P	M20x2.5P
D7	56	80		116		152		185		240	292
D8 _{h6}	-	16		22		32		40		55	75
L1	42	60		90		115		142		180	220
L2	26	37		48		65		97		105	138
L3	5.5	7		10		12		15		20	30
L4	1	1.5		1.5		2		3		3	3
L5	16	25		32		40		63		70	90
L6	2	2		3		5		5		6	7
L7	4	6		8		10		12		15	20
L8	139	163.5	182	206.5	251	285	320	365	404.5	431	521
L9	4.5	4.8		7.2		10		12		15	15
L10	10	12.5		19		28		36		42	42
L11	-	26		26		26		40		41.5	52
L12	-	15		15		15		20		21.5	28
L13	-	21		22.5		23		33.5		33.5	45
C1 ²	46	46	70	70	100	100	130	130	165	165	215
C2 ²	M4 x 0.7P	M4 x 0.7P	M5 x 0.8P	M5x0.8P	M6x1P	M6x1P	M8x1.25P	M8x1.25P	M10x1.5P	M10x1.5P	M12x1.75P
C3 ²	≤11 / ≤12	≤11 / ≤12	≤14 / ≤16	≤14 / ≤15.875 / ≤16	≤19 / ≤24	≤19 / ≤24	≤32	≤32	≤38	≤38	≤48
C4 ²	25	25	34	34	40	40	50	50	60	60	85
C5 ²	30	30	50	50	80	80	110	110	130	130	180
C6 ²	3.5	3.5	8	8	4	4	5	5	6	6	6
C7 ²	42	42	60	60	90	90	115	115	142	142	190
C8 ²	29.5	29.5	19	19	17	17	19.5	19.5	22.5	22.5	29
C9 ²	90.5	99.5	111.5	126.5	152.5	165	191.5	205	235.5	254.5	323.5
C10 ²	8.75	8.75	13.5	13.5	10.75	10.75	13	13	15	15	20.75
B1 _{h9}	5	5		6		10		12		16	20
H1	15	18		24.5		35		43		59	79.5
X DIN5480	-	W16x0.8x 30x18x6m		W22x1.25x 30x16x6m		W32x1.25x 30x24x6m		W40x2x 30x18x6m		W55x2x 30x26x6m	W70x2x 30x34x6m

2. C1~C10 are motor specific dimensions (metric std shown). Refer to www.apexdyna.com and Design Tool to view your specific motor mounting system.