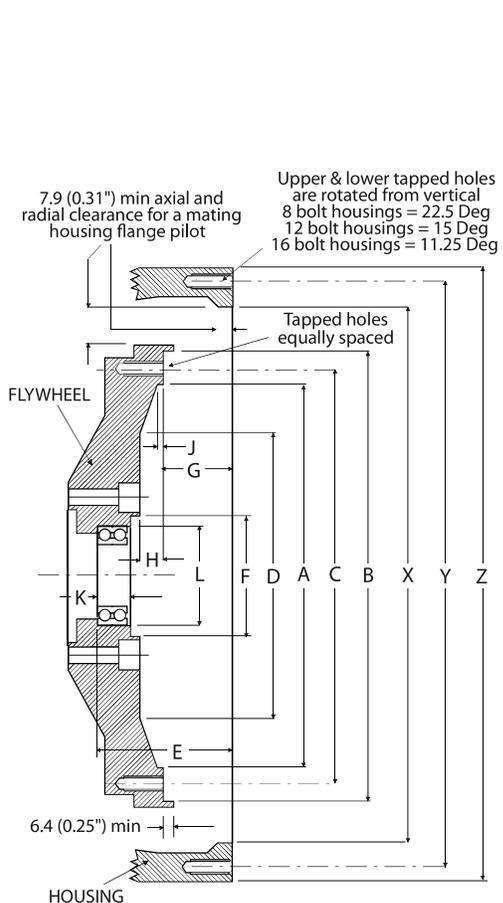


ENGINE & FLYWHEEL STANDARDS

EXTRACTS FROM SAE J620D FOR ENGINE FLYWHEELS AND SAE J617C FOR ENGINE FLYWHEEL HOUSINGS

Flywheels to J620D are in common use on diesel engines supplied for industrial and marine applications. Engines supplied for the truck market are usually fitted with automotive type flywheels which do not conform to standard J620D. Also some engines from Europe and Japan have variations away from standard such as metric threads in flywheel or housing or non standard machining.



The appropriate standards list tolerances for machined surfaces, threads bore eccentricity and face deviation. Should any of this detail be required please consult our sales staff for a copy of the complete SAE standard. Flywheel shown with pilot bearing installed for reference only. Pilot bearing is required only when using over centre clutches or torque converters. If fitting a flywheel drive plate for hydraulic pump drives, the bearing should be removed.

Flywheel No.	A mm	A inch	B mm	B inch	C mm	C inch	D mm	D inch
6 1/2	184.2	7.25	215.90	8.500	200.02	7.875	127.0	5.00
7 1/2	206.2	8.12	241.30	9.500	222.25	8.750	—	—
8	225.6	8.88	263.52	10.375	244.48	9.625	—	—
10	276.4	10.88	314.32	12.375	295.28	11.625	196.8	7.75
11 1/2	314.5	12.38	352.42	13.875	333.38	13.125	203.2	8.00
14	409.4	16.12	466.72	18.375	438.15	17.250	222.2	8.75
16	460.2	18.12	517.52	20.375	488.95	19.250	254.0	10.00
18	498.3	19.62	571.5	22.500	542.92	21.375	—	—

Flywheel No.	E mm	E inch	F mm	F inch	G mm	G inch	H mm	H inch
6 1/2	71.4	2.81	63.5	2.50	30.2	1.19	12.7	0.50
7 1/2	71.4	2.81	63.5	2.50	30.2	1.19	12.7	0.50
8	100.1	3.94	76.2	3.00	62.0	2.44	12.7	0.50
10	100.1	3.94	76.2	3.00	53.8	2.12	15.7	0.62
11 1/2	100.1	3.94	—	—	39.6	1.56	28.4	1.12
14	100.1	3.94	101.6	4.00	25.4	1.00	28.4	1.12
16	100.1	3.94	104.6	4.12	15.7	0.62	28.4	1.12
18	100.1	3.94	104.6	4.12	15.7	0.62	31.8	1.25

Flywheel No.	J mm	J inch	K mm	K inch	L mm	L inch	Q - Tapped holes
6 1/2	9.7	0.38	17.5	0.69	52.0	2.047	6 5/16"-18
7 1/2	12.7	0.50	17.5	0.69	52.0	2.047	8 5/16"-18
8	12.7	0.50	19.0	0.75	62.0	2.441	6 3/8"-16
10	12.7	0.50	28.4	1.12	72.0	2.834	8 3/8"-16
11 1/2	22.4	0.88	31.8	1.25	72.0	2.834	8 3/8"-16
14	22.4	0.88	38.1	1.50	80.0	3.149	8 1/2"-13
16	22.4	0.88	44.4	1.75	100.0	3.937	8 1/2"-13
18	31.8	1.25	44.4	1.75	100.0	3.937	6 5/8"-11

Housing SAE-No.	X mm	X inch	Y mm	Y inch	Z mm	Z inch	R - Tapped holes
6	266.70	10.500	285.75	11.250	307.8	12.12	8 3/8"-16
5	314.32	12.375	333.38	13.125	355.6	14.00	8 3/8"-16
4	361.95	14.250	381.00	15.000	403.4	15.88	12 3/8"-16
3	409.58	16.125	428.62	16.875	450.8	17.75	12 3/8"-16
2	447.68	17.625	466.72	18.375	489.0	19.25	12 3/8"-16
1	511.18	20.125	530.22	20.875	552.4	21.75	12 7/16"-14
1/2	584.20	23.000	619.12	24.375	647.7	25.50	12 1/2"-13
0	647.70	25.500	679.45	26.750	711.2	28.00	16 1/2"-13