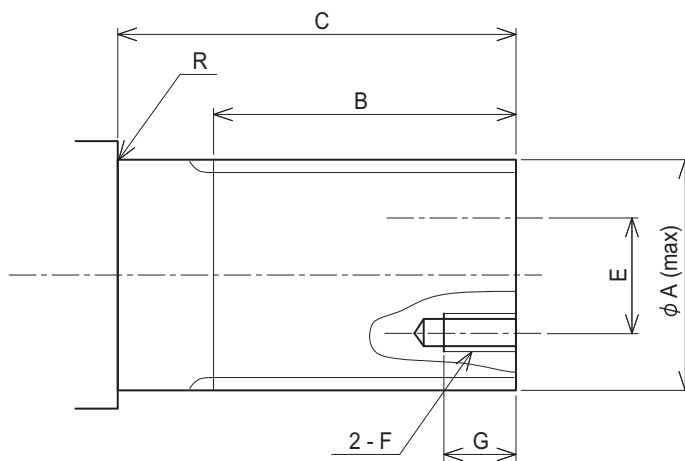


Slow Speed Shaft Spline Dimensions

9P4-005E Rev1

1/2

1. Spline dimensions (fillet root side fit)



(Unit : mm)

Gearbox Size	Spline size	ϕA (max)	B	C	R	E	F	G
9015	55 × 20 × 2.5	54.5	60	90	0	35	M8	20
9025	70 × 26 × 2.5	69.5	70	100	0	42	M10	20
9030	80 × 30 × 2.5	79.5	80	110	0	46	M12	25
9035	90 × 34 × 2.5	89.5	80	110	0	55	M12	25
9040	95 × 36 × 2.5	94.5	90	120	0	55	M12	25
9045	105 × 19 × 5	104	100	130	0	55	M12	25
9050	110 × 20 × 5	109	100	140	0	60	M16	30
9055	120 × 22 × 5	119	110	140	0	75	M16	30
9060	125 × 23 × 5	124	110	150	1.2	75	M16	30
9065	140 × 26 × 5	139	130	170	2.75	85	M20	38
9070	140 × 26 × 5	139	130	170	2.75	85	M20	38
9075	160 × 30 × 5	159	150	190	2.75	85	M20	38
9080	160 × 30 × 5	159	150	190	2.75	95	M20	38
9085	180 × 34 × 5	179	150	190	0	110	M20	38
9090	180 × 34 × 5	179	150	190	0	110	M20	38
9095	190 × 23 × 7.5	188.5	180	240	0	120	M20	38
9100	200 × 25 × 7.5	198.5	190	250	0	130	M20	38
9105	220 × 27 × 7.5	218.5	220	280	0	145	M24	45
9110	220 × 27 × 7.5	218.5	220	280	0	145	M24	45
9115	240 × 30 × 7.5	238.5	220	280	0	160	M24	45
9118	260 × 24 × 10	258	300	380	0	160	M30	60
9121	280 × 26 × 10	278	300	380	2.1	170	M30	60
9126	300 × 28 × 10	298	350	430	0	190	M30	60
9128	320 × 30 × 10	318	350	430	0	210	M30	60
9131	340 × 32 × 10	338	350	430	2.1	230	M30	60
9136	360 × 34 × 10	358	350	430	0	250	M30	60

Gear standard : based on JIS B 1603-1995 appendix "involute spline (nominal pressure angle 20 degree)
fillet root side fit class b".

(same as the old standard JIS D2001-1959, "involute spline".

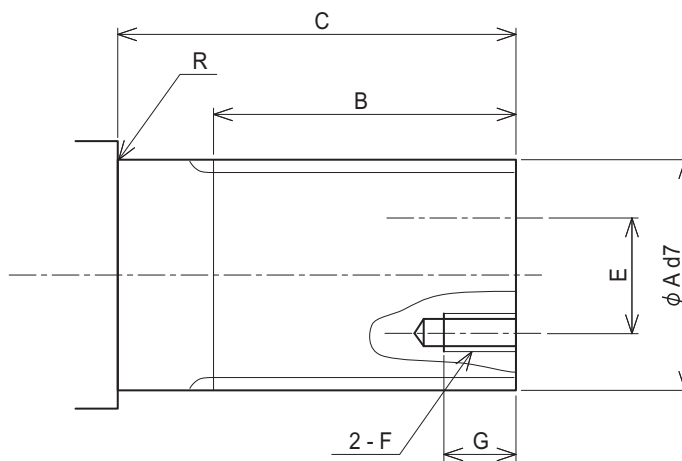
note) A collar is mounted on the spline shaft when R dimension is zero.

Slow Speed Shaft Spline Dimensions

9P4-005E Rev1

2/2

2. Spline dimensions (major diameter fit)



(Unit : mm)

Gearbox Size	Spline size	$\phi A d7$	B	C	R	E	F	G
9015	50 × 18 × 2.5	50	90	120	0	30	M8	20
9025	70 × 26 × 2.5	70	100	140	0	42	M10	20
9030	80 × 14 × 5	80	130	170	0	46	M12	25
9035	85 × 15 × 5	85	130	170	0	46	M12	25
9040	95 × 17 × 5	95	130	170	0	55	M12	25
9045	100 × 18 × 5	100	170	210	0	55	M12	25
9050	110 × 20 × 5	110	170	210	0	60	M16	30
9055	120 × 22 × 5	120	170	210	0	75	M16	30
9060	120 × 22 × 5	120	170	210	1.2	75	M16	30
9065	140 × 26 × 5	140	210	250	2.75	85	M20	38
9070	140 × 26 × 5	140	210	250	2.75	85	M20	38
9075	160 × 14 × 10	160	240	300	2.75	95	M20	38
9080	160 × 14 × 10	160	240	300	2.75	95	M20	38
9085	180 × 16 × 10	180	240	300	0	110	M20	38
9090	180 × 16 × 10	180	240	300	0	110	M20	38
9095	190 × 17 × 10	190	280	350	0	120	M20	38
9100	200 × 18 × 10	200	280	350	0	130	M20	38
9105	220 × 20 × 10	220	280	350	0	145	M24	45
9110	220 × 20 × 10	220	280	350	0	145	M24	45
9115	240 × 22 × 10	240	340	410	0	160	M24	45
9118	260 × 24 × 10	260	340	410	0	160	M30	60
9121	280 × 26 × 10	280	400	470	2.1	170	M30	60
9126	300 × 28 × 10	300	400	470	0	190	M30	60
9128	320 × 30 × 10	320	400	470	0	210	M30	60
9131	340 × 32 × 10	340	400	470	2.1	230	M30	60
9136	360 × 34 × 10	360	400	470	0	250	M30	60

Gear standard : based on JIS B 1603-1995 appendix "involute spline (nominal pressure angle 20 degree)
major diameter fit class 2-b".

(same as the old standard JIS D2001-1959, "involute spline".

note) A collar is mounted on the spline shaft when R dimension is zero.