



DIMENSIONAL INSPECTIONS (Unit: mm)

CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	17.6 <-> 18	17.64 <-> 17.77	Qualified
Width Across Flats (short)	7.8 <-> 8.2	7.86 <-> 7.89	Qualified
Head Height	4.8 <-> 5.2	5.04 <-> 5.11	Qualified
Mill	3.7 <-> 4.3	3.79 <-> 3.89	Qualified
Major Diameter	7.76 <-> 7.972	7.86 <-> 7.87	Qualified
Pitch Diameter (GO/NOGO)	7.042 <-> 7.16	PASSED	Qualified
Nominal Length	24.58 <-> 25.42	24.92 <-> 25.25	Qualified

CHEMICAL COMPOSITIONS (Maximum Value or Range)

Heat Number	C	Si	Mn	P	S	Ni	Cr	SAMPLE DETERMINANT
Specification	0.08	1	2	0.045	0.03	8–10.5	18–20	
S24010BA04	0.029	0.4	1.02	0.037	0.002	8.02	18.14	Qualified

DIMENSIONAL INSPECTIONS (Unit: mm)

CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	12.73 <-> 13	12.91	Qualified
Across Corner	14.38 min	14.68	Qualified
Thickness	7.6 <-> 8.3	7.91 <-> 8.02	Qualified
Flange Diameter	17.6 <-> 18.2	17.88 <-> 17.91	Qualified
Flange Height	1.8 <-> 2.2 min	1.86 <-> 1.88	Qualified
Minor Diameter	6.647 <-> 6.92	6.78 <-> 6.80	Qualified

CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Pitch Diameter (GO/NOGO)	7.188 <-> 7.392	PASSED	Qualified

MECHANICAL PROPERTIES

CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Safety Load (N/mm ²)	≥ 700		Qualified

CHEMICAL COMPOSITIONS (Maximum Value or Range)

Heat Number	C	Si	Mn	P	S	Ni	Cr	SAMPLE DETERMINANT
Specification	0.08	1	2	0.045	0.03	8–10.5	18–20	
240723BE03	0.011	0.32	0.92	0.03	0.02	8.02	18.19	Qualified