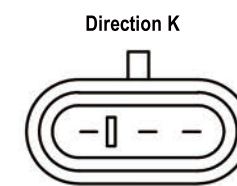


Flat Root Involute Internal Splines

Name	Code	Description
Gear Root Form		Circle
Geer Mating Type		Side Mating
Diametral Pitch	P	24/48
Teeth	Z	19
Pressure Angle	α	45°
Pitch Circle Diameter	D	$\phi 20.108418$
Base Circle Diameter	Db	$\phi 14.218666$
Max. Diameter	Dei	$\phi 21.59 - \phi 21.8186$
Min. Diameter	Dii	$\phi 19.485 - \phi 19.518$
Form Diameter		$\phi 21.2852$
Tolerance Grade & Mating Type		5H
Spacewidth	$\frac{\text{Max}}{\text{Min}}$	1.94056
	E	1.87452
Needle measurement		$\phi 17.05356$
Needle Diameter		2.032
Spline Hardness		25 Rc Min

Characteristics

1. power rate: 4 kW
2. rated voltage: 48V
3. speed: 3600 rpm
4. exciting: separate
5. rated current: 100A
6. exciting current: 7.5A
7. duty: 60 min
8. insulation: class H
9. ingress protection: IP20



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