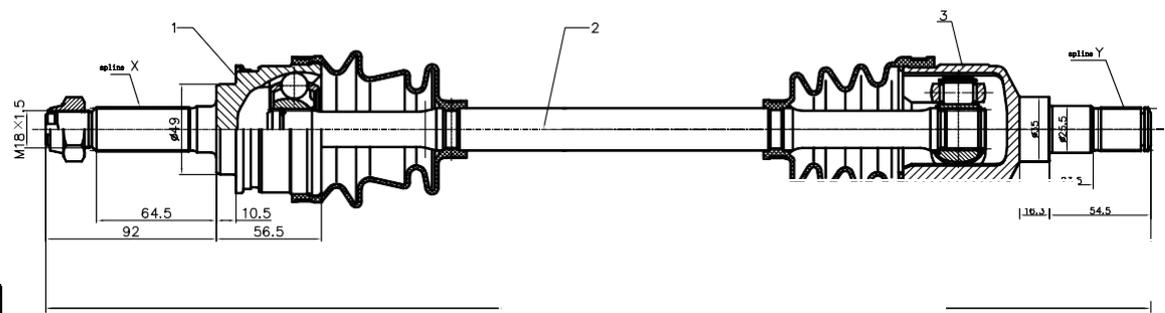


SK-8-945



Involute spline parameter

name	code	parameter value/K	parameter value/L
module	M	1	1
number of teeth	Z	23	22
pressure angle	Qa	45°	20°
number of splines	D	#23	#22
pitch diameter	Dm	#24.5 _{±0.13}	#23.8 _{±0.13}
addendum diameter	Da	#27.5 _{±0.13}	#26.8 _{±0.13}
throat addendum diameter	Ff	0.025	0.025
throat thickness	Ft	0.06	0.06
throat fillet radius	Fp	0.013	0.013
throat fillet transition	Fp	0.04	0.04
throat fillet diameter	Dm	#2	#2
throat fillet chamfer	Mm	26.34 _{±0.033}	26.05 _{±0.033}

The technical requirements

1. The maximum swing Angle of fixed end ball cage universal joint is 46° .
2. The maximum swing Angle of movable three-ball pin universal joint is 22° .
3. When assembling, 45g and 30g lithium molybdenum disulphide grease are injected into the ball cage universal joint and dust cover respectively; Inject 60g and 30g lithium grease for aviation respectively into the three-ball pin universal joint and dust cover.
4. The dust cover of the ball cage universal joint end should be fastened with clamp to ensure the same air pressure inside and outside.
5. The dust cover at the end of the three-ball pin universal joint is fastened with clamp when assembling to ensure dustproof in this position .