

SKT4/SKT4V

Hot work tool steel for die forging and hammers with improved mould lifespan

SKT4/SKT4V is one of the most widely used steel grade for hot forging, which has improved mould lifespan by optimizing the chemical composition. SKT4V features increased Ni content for greater durability against impacts applied during the moulding process.

Chemical Composition

Type	Chemical composition (wt%)									
	C	Si	Mn	Ni	Cr	Mo	V			
SKT4	0.50 0.60	0.10 0.40	0.60 0.90	1.50 1.80	0.80 1.20	0.35 0.55	0.05 0.15			
SKT4V*	0.55	-	1.10	1.90	1.10	0.33	0.13			

Applications

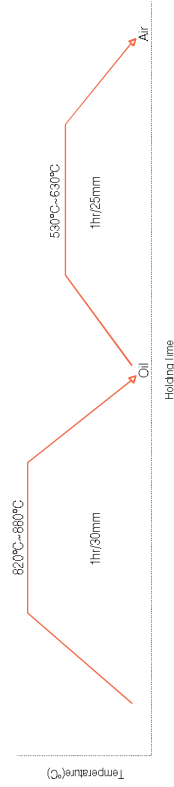
Tool steel for forming materials in a hot work state
 - (Mould) forging mould, extrusion mould, die casting mould

Hot Forging Mould

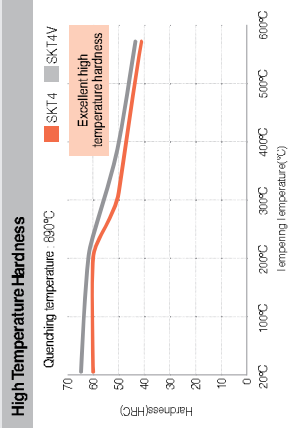
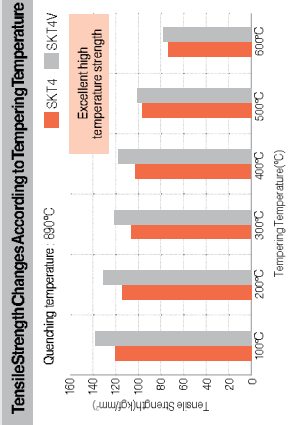


Quenching & Tempering Heat Treatment Conditions

- Tempering temperature varies according to the customer's required degree of hardness

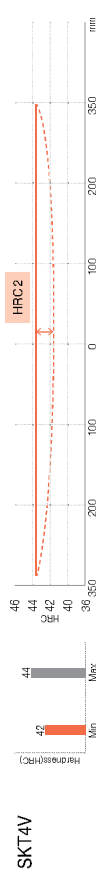
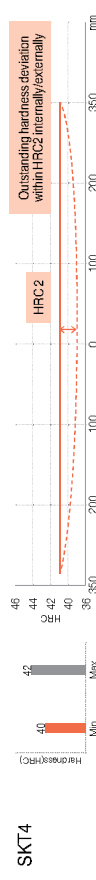


Changes in Physical Properties According to Tempering Temperature



• The data above is from lab results and may differ by actual mould size and heat treatment environment.

Hardness Distribution



Heat Treatment Conditions

