

# MATERIAL LIST (JIS)

## Metal

Class	Name of JIS Standard	Symbol	
Structural Steel	Rolled Steel for Welded Structure	SM	
	Re-Rolled Steel	SRB	
	Rolled Steel for General Structure	SS	
	Light Gauge Steel for General Structure	SSC	
Steel Sheet	Hot-Rolled Steel Plate, Sheet and Strip for Automobile Structural Use	SAPH	
	Cold-Rolled Steel Plate, Sheet and Strip	SPC	
Steel Pipe	Hot-Rolled Soft Steel Plate, Sheet and Strip	SPH	
	Carbon Steel Pipe for Ordinary Piping	SGP	
	Carbon Steel Pipe for Boiler / Heat Exchanger	STB	
	Seamless Steel Pipe for High Pressure Gas Cylinder	STH	
	Carbon Steel Pipe for General Structural Use	STK	
	Carbon Steel Pipe for Machine Structural Use	STKM	
	Alloy Steel Pipe for Structural Use	STKS	
	Stainless Steel Pipe for Machine Structural Use	SUS-TK	
	Steel Square Pipe for General Structural Use	STKR	
	Alloy Steel Pipe for Ordinary Piping	STPA	
	Carbon Steel Pipe for Pressure Service	STPG	
	Carbon Steel Pipe for High-Temperature Service	STPT	
	Carbon Steel Pipe for High-Pressure Service	STS	
	Stainless Steel Pipe for Ordinary Piping	SUS-TP	
	Steel for Machine Structural Use	Carbon Steel for Machine Structural Use	SxxC, SxxCK
		Aluminium Chromium Molybdenum Steel	SACM
Chromium Molybdenum Steel		SCM	
Chromium Steel		SCr	
Nickel Chromium Steel		SNC	
Nickel Chromium Molybdenum Steel		SNCM	
Manganese Steel and Manganese Chromium Steel for Machine Structural Use		SMn, SMnC	
Special Steel		Carbon Tool Steel	SK
		Hollow Drill Steel	SKC
		Alloy Tool Steel	SKS, SKD, SKT
	High Speed Tool Steel	SKH	
	Free Cutting Carbon Steel	SUM	
	High Carbon Chromium Bearing Steel	SUJ	
	Spring Steel	SUP	
	Stainless Steel Bar	SUS-B	
	Hot-Rolled Stainless Steel Plate, Sheet and Strip	SUS-HP, SUS-HS	
	Cold-Rolled Stainless Steel Plate, Sheet and Strip	SUS-CP, SUS-CS	
Heat-Resistant Steel	Heat-Resisting Steel Bar	SUH-B, SUH-CB	
	Heat-Resisting Steel Plate and Sheet	SUH-HP, SUH-CP	
Super Alloy	Corrosion-Resisting and Heat-Resisting Superalloy Bar	NCF-B	
	Corrosion-Resisting and Heat-Resisting Superalloy Plate and Sheet	NCF-P	
Forged Steel	Carbon Steel Forging	SF	
	Chromium Molybdenum Steel Forging	SFCM	
	Nickel Chromium Molybdenum Steel Forging	SFNCM	
Cast Iron	Gray Cast Iron	FC	
	Spheroidal Graphite Cast Iron	FCD	
	Blackheart Malleable Cast Iron	FCMB	
	Whiteheart Malleable Cast Iron	FCMW	
	Pearlitic Malleable Cast Iron	FCMP	
Cast Steel	Carbon Cast Steel	SC	
	High Tensile Strength Carbon Cast Steel & Low Alloy Cast Steel	SCC	
	Stainless Cast Steel	SCS	
	Heat-Resisting Cast Steel	SCH	
	High Manganese Cast Steel	SCMnH	
	Cast Steel for High Temperature and High Pressure Service	SCPH	

## Non-Ferrous Metal

Class	Name of JIS Standard	Symbol
Copper	Copper and Copper Alloy Sheet / Strip	CxxxP CxxxPP CxxxR
	Copper and Copper Alloy Rod and Bar	CxxxBD CxxxBDS CxxxBE
Aluminum Alloy and Aluminum Alloy Expanded Material	Aluminum and Al. Alloy Sheet / Strip	AxxxP AxxxPC
	Aluminum and Al. Alloy Rod, Bar, and Wire	AxxxBE AxxxBES AxxxBD AxxxBDS AxxxW AxxxWS
	Aluminum and Al. Alloy Extruded Shape	AxxxS
	Aluminum and Al. Alloy Forging	AxxxFD AxxxFH
Magnesium Alloy Expanded Material	Magnesium Alloy Sheet and Plate	MP
	Magnesium Alloy Rod and Bar	MB
Nickel Alloy	Nickel Copper Alloy Sheet and Plate	NCuP
	Nickel Copper Alloy Rod and Bar	NCuB
Titanium Expanded Material	Titanium Rod and Bar	TB
Casting	Brass Casting	CAC20x
	High Strength Brass Casting	CAC30x
	Bronze Casting	CAC40x
	Phosphoric Bronze Casting	CAC50x
	Aluminum Bronze Casting	CAC70x
	Aluminum Alloy Casting	AC
	Magnesium Alloy Casting	MC
	Zinc Alloy Die Casting	ZDCx
	Aluminum Alloy Die Casting	ADC
	Magnesium Alloy Die Casting	MD
White Metal	WJ	