

# Galvanized Steel Mechanical Properties

Standard	Grade	Yield Strength	Tensile Strength	Elongation
		ReL/Mpa	Rm/Mpa	A80mm/%
For cold forming GB Standard	DX51D+Z		270~500	≥22
	DX52D+Z	140~300	270~420	≥26
	DX53D+Z	140~260	270~380	≥30
	DX54D+Z	120~220	260~350	≥36
	DX56D+Z	120~280	260~350	≥39
	DX57D+Z	120~170	260~350	≥41
For cold forming ASTM Standard	CS A	170~380		≥20
	CS B	250~380		≥20
	CS C	170~410		≥15
	FS A	170~310		≥26
	FS B	170~310		≥26
	DDS A	140~240		≥32
	DDS B	170~280		≥32
EDDS	105~170		≥40	
For cold forming JIS Standard		ReL/Mpa	Rm/Mpa	A50mm/%
	SGCC	≥205	≥270	
	SGCD1		≥270	≥36
	SGCD2		≥270	≥38
	SGCD3		≥270	≥40
	SGCD4		≥270	≥42
For Structure JIS Standard	SGC340	≥245	≥340	≥20
	SGC400	≥295	≥400	≥18
	SGC440	≥335	≥440	≥18
	SGC490	≥365	≥490	≥16
	SGC510	≥560	≥570	
For structure AISI Standard		ReL/Mpa	Rm/Mpa	A80mm/%
	S220GD+Z	≥220	≥300	≥20
	S250GD+Z	≥250	≥330	≥19
	S280GD+Z	≥280	≥360	≥18
	S320GD+Z	≥320	≥390	≥17
	S350GD+Z	≥350	≥420	≥16
S550GD+Z	≥550	≥560		