

Hot Dipped Galvanised Steel

Hot dipped galvanised steel coils are featured with strong coating adhesiveness, high erosion-resistance, accurately controlled zinc coating thickness, high size precision, flat profile and good mechanical, processing and welding performance.
The products are mainly used in home appliance, electronics, building, machinery manufacture industries and automobiles.

Low carbon steel

Mechanical properties						
	YS Rp _{0.2} MPa	TS R _m MPa	Γ ₉₀ min	n ₉₀ mi	EI % min L0=80 mm b=20 mm ≤0.7 ≥ 0.7	

DC51D+Z	-	270-500	-	-	20	22
DC52D+Z	140-300	270-420	-	-	24	26
DC53D+Z	140-260	270-380	-	-	28	30
DC54D+Z	140-220	270-350	1.6	0.18	34	36
DC56D+Z	120-180	270-350	1.9	0.21	38	40

Chemical Analysis (%)								
	C max	Si max	Mn max	P max	S max	Al min	Ti max	Nb max

DC51D+Z	0.10	-	0.50	0.035	0.035	-		
DC52D+Z	0.08	-	0.45	0.030	0.030	-		
DC53D+Z	0.08	-	0.40	0.030	0.030	-		
DC54D+Z	0.01	0.10	0.30	0.025	0.020	0.015	0.10	
DC56D+Z	0.01	0.10	0.30	0.025	0.020	0.015	0.10	0.10

High yield strength steel

Mechanical properties			
	YS Rp _{0.2} MPa	TS R _m MPa	EI % min L0=80 mm b=20 mm

Low Alloy

H300LAD+Z	300-380	380-480	23
H340LAD+Z	340-420	410-510	21
H380LAD+Z	380-480	440-560	19
H420LAD+Z	420-520	470-590	17



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	Chemical Analysis (%)							
	C max	Si max	Mn max	P max	S max	Al min	Ti max	Nb max
Low Alloy								
H300LAD+Z	0.10	0.50	1.00	0.030	0.025	0.015	0.015	0.09
H340LAD+Z	0.10	0.50	1.00	0.030	0.025	0.015	0.015	0.09
H380LAD+Z	0.16	0.50	1.50	0.030	0.025	0.015	0.015	0.09
H420LAD+Z	0.16	0.50	1.50	0.030	0.025	0.015	0.015	0.09

Structural steel

	Mechanical properties		
	YS Rp _{0.2} MPa min	TS R _m MPa min	EI % min L ₀ =80 mm b=20 mm < 0.7 >0.7
S250GD+Z	250	330	17 19
S280GD+Z	280	360	16 18

	Chemical Analysis (%)				
	C max	Mn max	P max	S max	Al min
S250GD+Z	0.16	0.60	0.035	0.035	0.015
S280GD+Z	0.20	0.80	0.035	0.035	0.015

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