

[EN10111 DD13 steel plate/sheet](#) for stamping and cold forming steels

EN10111 DD13 steel plate/sheet, [DD13 steel plate/sheet](#), under EN standard, EN10111 DD13 steel plate/sheet for stamping and cold forming steels, DD13 steel supplier/Chinese supplier, DD13 steel price, DD13 steel manufacturer.

DD13 steel plate/sheet is in EN10111 standard. It's grade Number is 1.0335. The equal material of DD13 is: NFA 36-301 3C, UNI5867 FEP13, BS1449 HR1, UNE36.093 AP13, ASTM-SAE A621DQ-SAE1006AK, JIS G 3131 SPHE AK.

DD13 EN 10111 Number: 1.0335	Comparison of steel grades	
	UNI5867	FEP13
	BS1449	HR1
	NFA 36-301	3C
	JIS G 3131	SPHE AK
	ASTM-SAE	A621DQ-SAE1006AK
	UNE36.093	AP13

Main chemical composition in [EN10111 DD13 steel](#): Carbon: max 0.08, Manganese max 0.40, Sulphur max 0.030, Phosphorus max 0.030. More detailed information, please refer to the following table:

Chemical analysis -% by mass*

Chemical elements	C	Si max	Mn max	P max.	S max.
DD13	0.08	--	0.40	0.030	0.030

[EN10111 DD13 steel plate/sheet](#) is stamping and cold forming steels, it is suitable for non-structural press work and forming. Its yield strength is between 170 to 310 MPa (there is different min strength point at the different thickness.) DD13 tensile strength is around 400 MPa. (different min strength point at the different thickness.) More detailed information about EN10111 DD13 steel Mechanical Properties, please refer to the following table:

Mechanical properties

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation[%] transv. min.	Bending Test transv. bending mandrel Ø angle = 180° s = plate thickness
t ≤ 16mm t > 16mm	170-310			0 S
t < 3mm t ≥ 3mm		400		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			28 A80 29 A80 33 A5	

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