

## EN10111 DD13 steel plate/sheet for stamping and cold forming steels

EN10111 DD13 steel plate/sheet, EN10111 DD13 steel plate/sheet, under EN standard, we can regard DD13 steel plate/sheet as stamping and cold forming steels. EN10111 DD13 is mainly used as stamping and cold forming steels.

EN10111 DD13 steel plate/sheet is stamping and cold forming steels, which is equivalent to UNI:FeP13, BS:HR1, NFA:3C, JIS:SPHE AK, ASTM:A621DQ and UNE:AP13 steels.

<p style="text-align: center;">DD13 EN 10111 Number: 1.0335</p>	Comparison of steel grades	
	UNI5867	FEP13
	BS1449	HR1
	NFA 36-301	3C
	JIS G 3131	SPHE AK
	ASTM-SAE	A621DQ-SAE1006 AK
	UNE36.093	AP13

Chemical analysis -% by mass\*

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

Mechanical properties

thickness	Yield Strength ReH [N/mm <sup>2</sup> ] transv.min.	Tensile Strength Rm [N/mm <sup>2</sup> ] 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			28 A80	
1.51-2.00mm			29 A80	
2.01-2.50mm				
2.51-2.99mm				
≥ 3mm			33 A5	