

JIS G3131 SPHE AK steel plate/sheet for stamping and cold forming steels

SPHE AK steel plate/sheet, under JIS G3131 standard, we can regard SPHE AK steel plate/sheet as stamping and cold forming steels. JIS G3131 SPHE AK is mainly used as stamping and cold forming steels.

JIS G3131 SPHE AK steel plate/sheet is stamping and cold forming steels, which is equivalent to UNI:FeP13, BS:HR1, NFA:3C, ASTM-SAE A621DQ-SAE1006AK, EN10111 DD13 and UNE:AP13 steels.

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

Chemical analysis -% by mass*

Mechanical properties

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

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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