



**SM490YA/ SM490YB channel steel**

SM490YA/ SM490YB is a Hot Rolled Steel for Welded Structure. SM490YA/ SM490YB channel steel is a low carbon, high strength steel. Easy for weld and good cold forming properties. SM490YA/ SM490YB channel steel usual supplied in normalized or control rolled delivery condition.

SM490YA and SM490YB channel steel which referenced the JIS G3106 Standard that specifies the hot rolled steels to be used for bridges, ships, rolling stocks, petroleum storage tanks, containers, truck frames, poles, liners, conveyors, boom sections, structural steel shapes, and most structural activities.

**JIS G3106 SM490YA/ SM490YB Channel steel chemical composition:**

Grade	Thickness mm	C ≤	Si ≤	Mn ≤	P ≤	S ≤
SM490YA/ SM490YB	≤100	0.20	0.55	1.60	0.035	0.035

**JIS G3106 SM490YA/ SM490YB Mechanical Property:**

JIS G3106	Minimum yield strength ReH a MPa Nominal thickness mm				Tensile strength Rm MPa Nominal thickness mm		Minimum percentage elongation So Nominal thickness mm			
	<=16	>1 6~<=4 0	>4 0~<=7 5	>75 ~<=100	<=10 0	>10 0<=200	<=5	> 5~<=16	>1 6~<=5 0	> 40
SM 490YA SM490 YB	>=36 5	>=355	>=335	>=25 3	4 90 ~ 6 10	-	>=1 9	> =15	>=19	>=2 1

**JIS G3106 SM490YA/ SM490YB steel equivalent material:**

Europe	Belgium	France	Italy	Sweden	India	USA	U.K
S 355 JR	AE 355 B	E 36-2	Fe 510 B	SS21,32,01	IS 961	A633 Gr A,C,D	50 B



## **SHANGHAI KATALOR ENTERPRISES CO., LTD.**

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Shanghai katalor is a professional manufacturer and supplier of SM490YA/YB.Channel steel. We can supply SM490YA/YB Channel steel in different sizes. If you any need in SM490YA/YB Channel steel, please contact us to get the competitive price soon.