



## EN 10028-3 P460NH / P460NL1 / P460NL2 steel structure / steel work / steel machining parts

Katalor Enterprises is mainly engaged in P460NH / P460NL1 / P460NL2 steel machining parts etc. We have the ability to produce every kind of steel machining part. We also offer the heat treatment service, such as annealing, normalizing, hardening, hardening and tempering, and solution treatment etc.

P460NH steel structure called for having minimum yield strength of 460 MPa; is a high-grade quality pressure vessel steel for using in boiler and pressure vessel fabrication. It is a normalized fine grain steel with good ability of welding.

P460NH steel work is also used in sour gas applications where the steel will be tested in HIC to gauge the materials' susceptibility and induced hydrogen cracking.

P460NL1/P460NL2 steel structure is also ideal for using in low temperatures.

### EN 10028-3 P460NH / P460NL1 / P460NL2 Steel Machining Parts Chemical Composition

Steel grade		Chemical Composition														
Steel name	Steel number	C max	Si max	Mn	P max	S max	Al (total) min	N max	Cr max	Cu max	Mo max	Nb max	Ni max	Ti max	V max	Nb + Ti + V

**Office Address:** Room 301, Unit 6, lane 2500, xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai



	be															m
	r															ax
P4	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
60	89	20	60	10	02	01	02	02	30	70	10	05	80	03	20	22
N	35			-	5	5	0	5								
H				1.												
				70												
P4	1.															
60	89															
NL	15															
1																
P4	1.				0.	0.										
60	89				02	01										
NL	18				0	0										
2																

EN 10028-3 P460NH / P460NL1 / P460NL2 Steel Work Mechanical Properties

Steel grade		General delivery conditions	steel thickness t mm	yield strength ReH MPa min	Tensile strength MPa	After fracture Elongation A,% min
Steel name	Steel number					

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P460NH	1.8935	Normalizing	$\leq 16$	460	570~720	17
P460NL1	1.8915		$16 < t \leq 40$	445		
P460NL2	1.8918		$40 < t \leq 60$	430		
			$60 < t \leq 100$	400	540~710	
			$150 < t \leq 250$	0		

P460NH / P460NL1 / P460NL2 Steel Work Condition of Delivery:

Impact Test/ Normalized/ Quenched/ Normalized & Quenched/ HI/ Ultrasonic Test etc.

P460NH / P460NL1 / P460NL2 Steel Machining Parts Testing Equipment:

Ray detection machine; Ultrasonic flaw detector; Universal testing machine; Coating thickness gauge.

Katalor enterprises will use our professional services, best quality and competitive price to fulfill each customer's needs for P460NH / P460NL1 / P460NL2 steel structure. More information about the price of P460NH / P460NL1 / P460NL2 steel machining parts, please feel free to contact us, we will always do our best to support you.



Shanghai Katalor Enterprises  
ONCE BELIEVE, TRUST FOREVER!

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**Shanghai Katalor Enterprises Co., Ltd** located in Shanghai of China, is specialized in manufacturing and exporting steel and casting products. Based on the domestic rich product resources and professional research on the international market, Katalor's service has already spread to many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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