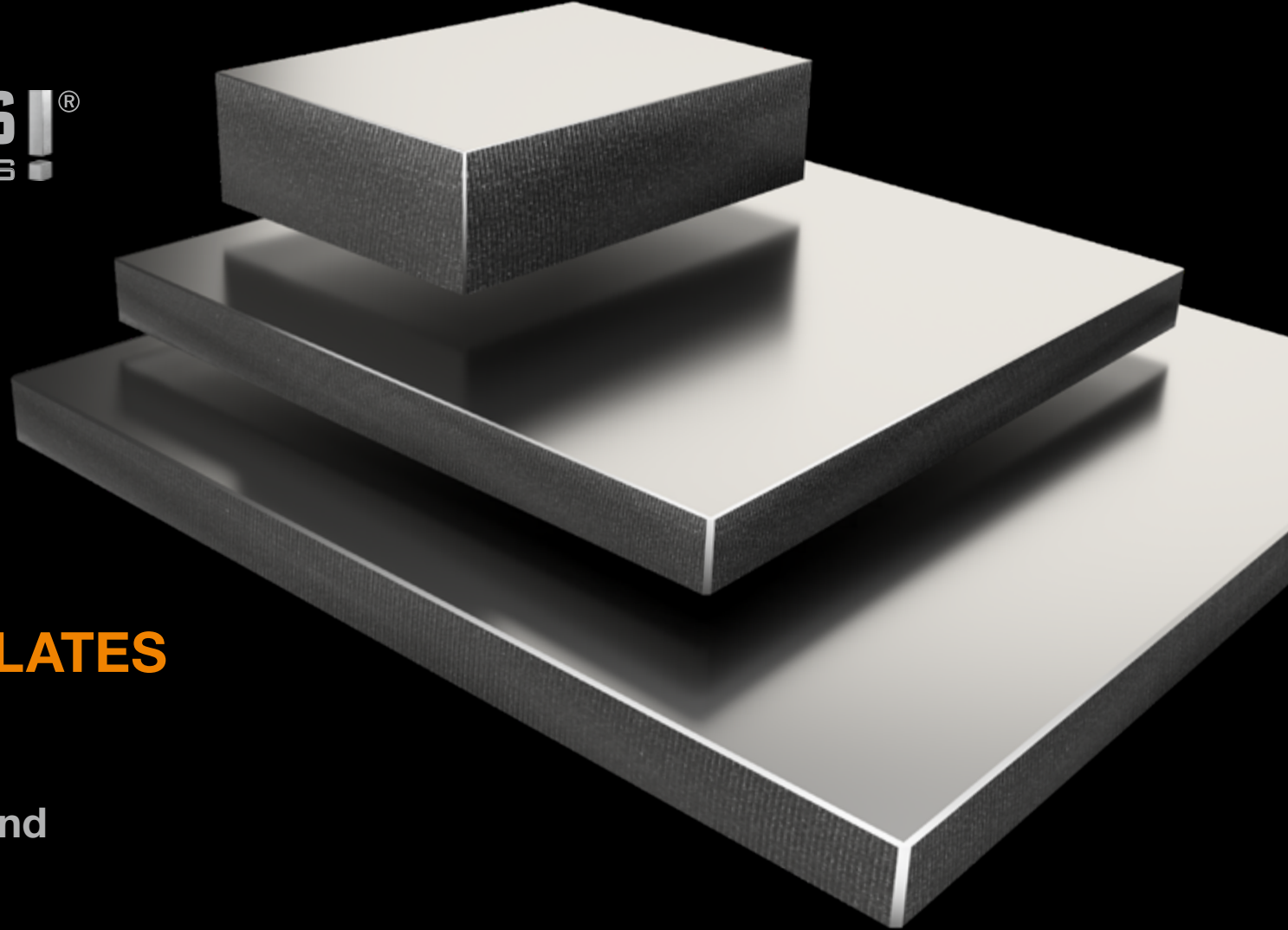


ABRAMS![®]
PREMIUM P-PLATES



PREMIUM P-PLATES

Steel Grades

1.2312 - BS 1.2312 and

1.1730 - BS 1.1730

1,266 DIMENSIONS

NORMALISED / TEMPERED

EX WORKS FROM OSNABRÜCK / GERMANY

NO MINIMUM ORDER VALUE

NO MINIMUM ORDER QUANTITY

DELIVERED IN 3 - 5 BUSINESS DAYS SUBJECT TO AVAILABILITY



SPECIFICATION !

Our delivery program contains 1,266 different specifications /standard dimensions.



Premium P-Plates [PPP]

Eg.: 296.0 x 346.0 x 17.0 mm

- **W** fine milled, Tol. +0.15 /-0 mm
- **L** fine milled, Tol. +0.15 /-0 mm
- **T** ground, Tol. +0.35 /+0.20 mm

UNDRILLED STANDARD P-PLATES NORMALISED / TEMPERED



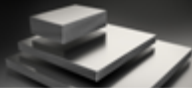
STEEL GRADE

[illegible]

STEEL GRADES

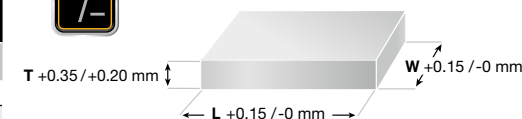
PREMIUM 1.2312 – BS 1.2312 - AISI / SAE P20+S (40CrMnMoS8-6)

Premium P-Plates [PPP]

	THICKNESS [mm]									
	17.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	
WIDTH X LENGTH	Price per piece [in Pound Sterling]									
66.0 X 156.0	23.90									
74.0 X 346.0		41.90								
94.0 X 196.0 X 246.0 X 296.0	28.90									
	40.90									
	42.90									
95.0 X 95.0	21.90	25.90	30.90	32.90	34.90	37.90				
96.0 X 96.0 X 126.0 X 156.0 X 196.0 X 246.0 X 296.0 X 346.0	22.90									
	26.90									
	24.90									
	27.90									
	30.90									
	41.90									
	43.90									
45.90										
100.0 X 130.0				37.90	38.90	47.90				
106.0 X 346.0 X 396.0 X 446.0 X 496.0	48.90									
	54.90									
	55.90									
	62.90									
114.0 X 246.0 X 296.0	67.90									
	72.90									
122.0 X 246.0 X 246.0 X 296.0 X 346.0 X 396.0 X 446.0 X 496.0 X 546.0 X 596.0	43.90									
	46.90									
	34.90									
	40.90									
	45.90									
	46.90									
	48.90									
	54.90									
	60.90									
	67.90									
126.0 X 126.0 X 156.0	71.90									
	81.90									
	98.90									
	107.90									
126.0 X 126.0 X 156.0	28.90									
	33.90									
	35.90									
	40.90									
	42.90									
	57.90									
	62.90									
	74.90									



Tolerances



Standard values

Delivery condition: maximum 325 HB
Chemical composition:

C	Si	Mn	P	S	Cr	Mo
0.35	0.3	1.4	0	0.05	1.8	0.15
0.45	0.5	1.6	0.03	0.1	2.0	0.25



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Direct access to our online shop

www.premium-steel.co.uk/2312-12-P



Technical properties

Pre-hardened cold work steel and plastic mould steel.
Good machinability, although less polishable and more difficult to etch, due to added sulphur. High through-hardenableity and uniform component strength. Working hardness: approx. 32 HRC (delivery condition) up to 50 HRC.



Applications

Mechanical engineering, jigs, base plates, assembling parts, moulding frames, plastic moulds, plastic processing, die casting moulds, hydroforming tools, recipient sleeves, folding bars, tool holders.



BS 1.2312 – all at a glance!

Datasheets, online shop,
ABRAMS STEEL GUIDE® for alternatives:
www.premium-steel.co.uk/1.2312

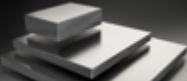
via smartphone / tablet:



PREMIUM 1.2312 – BS 1.2312 - AISI / SAE P20+S (40CrMnMoS8-6)

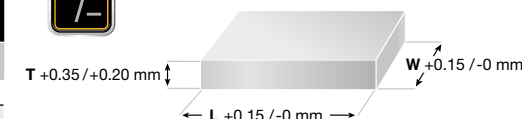
STEEL GRADES

Premium P-Plates [PPP]

		THICKNESS [mm]								
		17.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]								
136.0	X 156.0	31.90								
	X 246.0	47.90	48.90							
142.0	X 296.0	50.90	57.90							
	X 156.0	37.90	40.90	42.90	48.90	61.90	69.90	79.90	91.90	127.90
156.0	X 186.0	40.90								
	X 196.0	42.90	46.90	48.90	59.90	69.90	78.90	92.90	113.90	133.90
	X 206.0		48.90	50.90						
	X 246.0	49.90	55.90	60.90	68.90	82.90	99.90	108.90	127.90	174.90
	X 296.0	55.90	61.90	68.90	78.90	96.90	120.90	133.90	144.90	
	X 346.0		70.90	74.90	87.90	119.90	136.90		184.90	224.90
	X 396.0	72.90	81.90							
	X 446.0									
	X 496.0		97.90							
	X 546.0									
	X 596.0			121.90						
172.0	X 196.0	45.90								
	X 216.0	47.90								
	X 246.0	54.90	60.90							
	X 296.0	61.90								
	X 346.0		74.90							
	X 396.0		85.90							
	X 446.0		97.90							
	X 496.0		101.90							
	X 546.0			123.90						
	X 596.0			133.90						
	X 646.0			158.90						
	X 696.0			164.90						
190.0	X 246.0				84.90	105.90	119.90	129.90	144.90	178.90
194.0	X 346.0		79.90							
	X 396.0		89.90							



Tolerances



Standard values

Delivery condition: maximum 325 HB
Chemical composition:

C	Si	Mn	P	S	Cr	Mo
0.35	0.3	1.4	0	0.05	1.8	0.15
0.45	0.5	1.6	0.03	0.1	2.0	0.25



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Applications

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BS 1.2312 – all at a glance!

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ABRAMS STEEL GUIDE® for alternatives:
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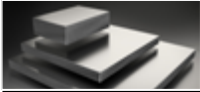
via smartphone/tablet:



STEEL GRADES

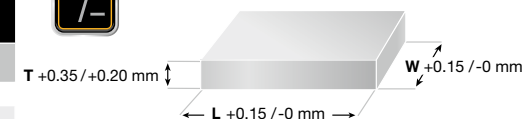
PREMIUM 1.2312 – BS 1.2312 - AISI / SAE P20+S (40CrMnMoS8-6)

Premium P-Plates [PPP]

		THICKNESS [mm]								
		17.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]								
1.2312	X 196.0	48.90	57.90	60.90	68.90	82.90	93.90	105.90	118.90	142.90
	X 206.0		62.90	67.90						
	X 222.0	54.90								
	X 246.0	57.90	68.90	70.90		107.90	121.90	131.90	146.90	189.90
	X 296.0	65.90	74.90	79.90	92.90	114.90	131.90	152.90	165.90	196.90
	X 346.0	76.90	82.90	91.90	106.90	137.90	157.90	178.90	212.90	236.90
	X 396.0	84.90	93.90		119.90	151.90	175.90	214.90	239.90	
	X 446.0		101.90	112.90	133.90	201.90				
206.0	X 496.0		112.90	123.90	145.90					
	X 246.0		70.90							
	X 296.0	69.90	75.90							
	X 346.0		85.90							
	X 396.0		96.90							
	X 446.0		109.90							
	X 496.0		114.90							
	X 546.0			143.90						
216.0	X 596.0			151.90						
	X 646.0			164.90						
	X 222.0	57.90								
	X 246.0	62.90	72.90	75.90	87.90	111.90		140.90		
218.0	X 296.0	70.90	76.90	87.90	100.90	121.90	145.90	162.90		
	X 246.0					114.90	125.90	146.90	157.90	
	X 296.0					125.90			186.90	
	X 346.0	79.90	87.90	96.90						
	X 396.0	87.90	98.90	106.90						
	X 446.0	99.90	113.90	120.90						
	X 496.0	106.90	119.90	133.90						
	X 546.0		130.90	151.90						
	X 596.0		140.90	159.90						
	X 646.0			177.90	190.90					
	X 696.0			185.90	203.90					
	X 796.0				228.90					



Tolerances



Standard values

Delivery condition: maximum 325 HB
Chemical composition:

C	Si	Mn	P	S	Cr	Mo
0.35	0.3	1.4	0	0.05	1.8	0.15
0.45	0.5	1.6	0.03	0.1	2.0	0.25



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Technical properties

Pre-hardened cold work steel and plastic mould steel.
Good machinability, although less polishable and more difficult to etch, due to added sulphur. High through-hardenedability and uniform component strength. Working hardness: approx. 32 HRC (delivery condition) up to 50 HRC.



Applications

Mechanical engineering, jigs, base plates, assembling parts, moulding frames, plastic moulds, plastic processing, die casting moulds, hydroforming tools, recipient sleeves, folding bars, tool holders.



BS 1.2312 – all at a glance!

Datasheets, online shop,
ABRAMS STEEL GUIDE® for alternatives:
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via smartphone / tablet:



PREMIUM 1.2312 – BS 1.2312 - AISI / SAE P20+S (40CrMnMoS8-6)

STEEL GRADES

Premium P-Plates [PPP]

		THICKNESS [mm]								
		17.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0
WIDTH X LENGTH		Price per piece [in Euro]								
226.0	X 346.0		89.90							
	X 396.0		100.90							
	X 246.0	67.90	76.90	83.90	93.90	134.90	152.90	162.90	180.90	196.90
246.0	X 256.0		79.90							
	X 266.0		82.90	87.90						
	X 296.0	78.90	89.90	93.90	109.90	152.90	171.90	199.90	221.90	240.90
	X 346.0	87.90	97.90	107.90	126.90	171.90	187.90	226.90	246.90	261.90
	X 396.0	98.90	104.90	113.90	142.90	184.90	210.90	247.90	262.90	290.90
	X 446.0		121.90	135.90	156.90	214.90	240.90	258.90		315.90
	X 496.0		134.90	145.90	171.90	225.90	256.90	278.90		340.90
	X 546.0		143.90	168.90	188.90			307.90		378.90
	X 596.0			177.90	225.90			329.90	366.90	449.90
256.0	X 296.0		96.90							
	X 346.0	92.90	104.90	112.90						
266.0	X 296.0			106.90						
268.0	X 346.0	96.90	106.90	113.90						
	X 396.0	106.90	114.90	121.90						
	X 446.0	114.90	134.90	136.90						
	X 496.0		145.90	158.90						
	X 546.0		155.90	173.90						
	X 596.0		164.90	200.90						
	X 646.0			207.90	231.90					
	X 696.0				295.90					
296.0	X 796.0			244.90	305.90					
	X 296.0	92.90	101.90	108.90	135.90	167.90	190.90	215.90	239.90	263.90
	X 306.0		105.90							
	X 346.0	104.90	109.90	121.90	150.90	189.90	238.90	246.90	274.90	299.90
	X 396.0	113.90	123.90	138.90	159.90	203.90	246.90	263.90	297.90	331.90
	X 446.0		143.90	146.90	185.90	229.90	259.90	292.90	327.90	359.90
	X 496.0		152.90	164.90	200.90					385.90
	X 546.0		164.90	180.90	218.90			376.90		439.90
	X 596.0			203.90	237.90	280.90				483.90
	X 646.0			218.90		305.90				
	X 696.0				297.90					



Technical properties

Pre-hardened cold work steel and plastic mould steel. Good machinability, although less polishable and more difficult to etch, due to added sulphur. High through-hardenability and uniform component strength. Working hardness: approx. 32 HRC (delivery condition) up to 50 HRC.

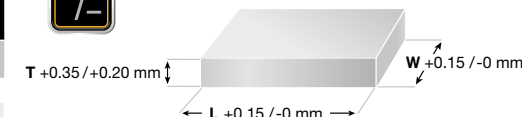


Applications

Mechanical engineering, jigs, base plates, assembling parts, moulding frames, plastic moulds, plastic processing, die casting moulds, hydroforming tools, recipient sleeves, folding bars, tool holders.



Tolerances



Standard values

Delivery condition: maximum 325 HB
Chemical composition:

C	Si	Mn	P	S	Cr	Mo
0.35	0.3	1.4	0	0.05	1.8	0.15
0.45	0.5	1.6	0.03	0.1	2.0	0.25



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BS 1.2312 – all at a glance!

Datasheets, online shop,
ABRAMS STEEL GUIDE® for alternatives:
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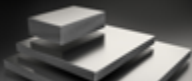
via smartphone/tablet:



STEEL GRADES

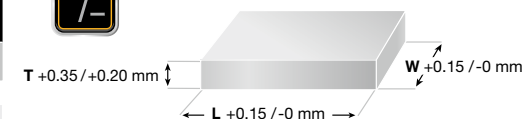
PREMIUM 1.2312 – BS 1.2312 - AISI / SAE P20+S (40CrMnMoS8-6)

Premium P-Plates [PPP]

		THICKNESS [mm]								
		17.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]								
316.0	X 346.0			127.90						
	X 396.0				165.90					
318.0	X 346.0		119.90	130.90						
	X 396.0		135.90	148.90						
	X 446.0			159.90						
	X 496.0			172.90						
	X 546.0			188.90						
	X 596.0			210.90						
346.0	X 796.0				342.90					
	X 346.0		129.90	138.90	173.90	225.90	259.90	267.90	325.90	358.90
	X 396.0		138.90	155.90	181.90	247.90	267.90		361.90	394.90
	X 446.0		155.90	167.90	199.90	258.90	322.90	347.90	376.90	412.90
	X 496.0		172.90	186.90	224.90	274.90	350.90	401.90	432.90	478.90
	X 546.0		185.90	201.90	239.90	298.90				
	X 596.0		197.90	215.90						
	X 646.0			237.90	276.90					
366.0	X 696.0				305.90					
	X 396.0				195.90					
	X 396.0		151.90	162.90						
	X 496.0			193.90						
368.0	X 546.0			210.90						
	X 646.0				290.90					
396.0	X 396.0			174.90	211.90	258.90	297.90	329.90	373.90	409.90
	X 446.0		187.90	193.90	224.90	287.90	329.90		416.90	
	X 496.0		207.90	214.90	239.90	314.90				
	X 546.0			229.90	284.90		381.90		486.90	
	X 596.0				300.90		458.90	489.90	516.90	
	X 646.0				310.90	384.90	487.90			
	X 696.0			324.90	355.90					
	X 796.0				381.90					



Tolerances



Standard values

Delivery condition: maximum 325 HB
Chemical composition:

C	Si	Mn	P	S	Cr	Mo
0.35 - 0.45	0.3 - 0.5	1.4 - 1.6	0 - 0.03	0.05 - 0.1	1.8 - 2.0	0.15 - 0.25



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Technical properties

Pre-hardened cold work steel and plastic mould steel.
Good machinability, although less polishable and more difficult to etch, due to added sulphur. High through-hardenableity and uniform component strength. Working hardness: approx. 32 HRC (delivery condition) up to 50 HRC.



Applications

Mechanical engineering, jigs, base plates, assembling parts, moulding frames, plastic moulds, plastic processing, die casting moulds, hydroforming tools, recipient sleeves, folding bars, tool holders.



BS 1.2312 – all at a glance!

Datasheets, online shop,
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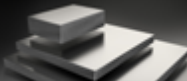
via smartphone / tablet:



PREMIUM 1.2312 – BS 1.2312 - AISI / SAE P20+S (40CrMnMoS8-6)

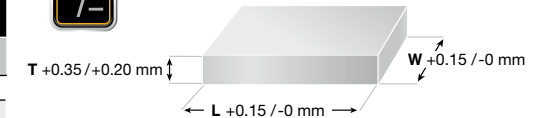
STEEL GRADES

Premium P-Plates [PPP]

		THICKNESS [mm]								
		17.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]								
424.0	X 696.0	403.90								
	X 446.0			218.90	258.90	315.90	400.90	436.90	462.90	
446.0	X 496.0			237.90	290.90	380.90		456.90	525.90	
	X 596.0				331.90	403.90		498.90	560.90	
	X 646.0						488.90		614.90	
	X 696.0								668.90	
496.0	X 496.0			263.90	310.90	396.90	445.90		583.90	
	X 546.0				324.90	442.90		503.90	622.90	
	X 596.0				342.90	464.90			682.90	
	X 646.0				378.90	496.90	547.90			
	X 696.0				438.90	530.90				
546.0	X 546.0				392.90	467.90	480.90		681.90	
	X 596.0				419.90		525.90			
	X 646.0				449.90		556.90			
	X 696.0					540.90				
596.0	X 596.0				447.90	490.90	567.90	635.90		
646.0	X 646.0					556.90		731.90		
	X 696.0							771.90		



Tolerances



Standard values

Delivery condition: maximum 325 HB
Chemical composition:

C	Si	Mn	P	S	Cr	Mo
0.35	0.3	1.4	0	0.05	1.8	0.15
0.45	0.5	1.6	0.03	0.1	2.0	0.25



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Applications

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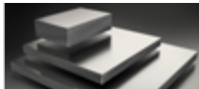
via smartphone/tablet:



STEEL GRADES

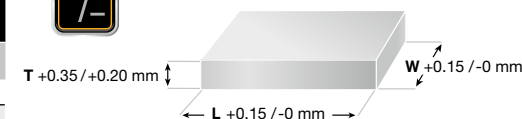
PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
46.0	X 130.0	16.90														
	X 80.0		12.90	14.90												
	X 96.0		14.90	15.90												
50.0	X 126.0		15.90	16.90												
	X 196.0															
56.0	X 156.0		16.90	17.90	18.90			20.90								
74.0	X 364.0				30.90		34.90									
	X 396.0				35.90		37.90									
	X 446.0				38.90		42.90									
	X 496.0				42.90											
80.0	X 126.0		16.90	18.90												
86.0	X 496.0											129.90				
90.0	X 196.0		20.90		23.90											
94.0	X 196.0			23.90	24.90											
	X 246.0			25.90	28.90											
	X 296.0			27.90	34.90											
95.0	X 95.0			16.90		18.90	22.90									
96.0	X 126.0			20.90	22.90		23.90	25.90								
	X 156.0		18.90	22.90	23.90		24.90									
	X 196.0		22.90	24.90	25.90											
	X 246.0		25.90	27.90	29.90											
	X 296.0			29.90	35.90											
	X 346.0			35.90	37.90											
100.0	X 130.0	14.90	17.90		24.90		25.90	27.90	28.90	40.90						
106.0	X 346.0			36.90	38.90		42.90									
	X 396.0			42.90	44.90		47.90									
	X 446.0				47.90		54.90									
	X 496.0				54.90		56.90									
112.0	X 246.0				30.90											
114.0	X 246.0			28.90	31.90											
	X 296.0			33.90	37.90											



Tolerances



Standard values

Delivery condition: maximum 190 HB
Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



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Technical properties

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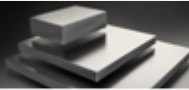
via smartphone / tablet:



PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

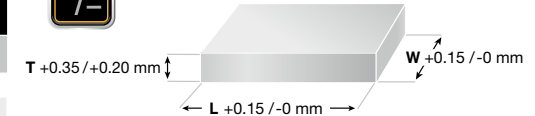
STEEL GRADES

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
122.0	X 196.0			27.90	28.90		29.90									
	X 246.0			29.90	33.90		35.90									
	X 296.0			35.90	38.90		40.90									
	X 346.0			40.90	43.90		47.90									
	X 396.0				47.90		49.90									
	X 446.0				50.90		55.90									
	X 496.0				56.90		61.90									
	X 546.0						67.90	69.90								
	X 596.0						70.90	75.90								
126.0	X 126.0			22.90	23.90		27.90	29.90	30.90							
	X 156.0			23.90	24.90		28.90	30.90	34.90		40.90	58.90				
	X 246.0						36.90	37.90								
130.0	X 296.0			36.90												
136.0	X 156.0		23.90		25.90											
142.0	X 246.0			33.90	36.90		40.90									
	X 296.0			37.90	40.90		43.90									
156.0	X 156.0		24.90	24.90	27.90		30.90	32.90	42.90	45.90	48.90	61.90	69.90		91.90	
	X 186.0		27.90		30.90											
	X 196.0		30.90	29.90	33.90		34.90	36.90	44.90	50.90	61.90		81.90			
	X 206.0						42.90	44.90	53.90							
	X 246.0		33.90	35.90	40.90		43.90	45.90	55.90	61.90	74.90		99.90		126.90	
	X 296.0			40.90	44.90		47.90	55.90		70.90	87.90		115.90			
	X 346.0			44.90	48.90		54.90	57.90					128.90			
	X 396.0				56.90		60.90	66.90								
	X 446.0				61.90		66.90	69.90								
	X 496.0				67.90		73.90									
	X 546.0						76.90	84.90								
X 596.0						84.90	89.90									
158.0	X 296.0			42.90												
168.0	X 696.0						108.90									



Tolerances



Standart values

Delivery condition: maximum 190 HB
Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



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STEEL GRADES

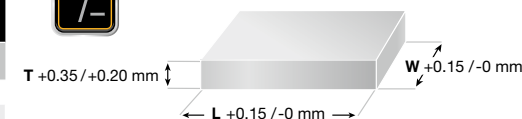
PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
172.0	X 196.0			33.90	35.90											
	X 216.0			35.90	37.90											
	X 246.0			37.90	43.90		45.90									
	X 296.0			44.90	47.90		49.90									
	X 346.0				54.90		57.90									
	X 396.0				58.90		63.90									
	X 446.0				66.90		69.90									
	X 496.0				69.90		75.90									
	X 546.0						83.90	89.90								
	X 596.0						89.90	96.90								
	X 646.0						95.90	104.90								
	X 696.0						103.90	110.90								
190.0	X 246.0			40.90	44.90		47.90	50.90	57.90		88.90		109.90		142.90	
194.0	X 346.0				56.90		61.90									
	X 396.0				61.90		64.90	68.90								
196.0	X 196.0			35.90	42.90		44.90	45.90	54.90	61.90	76.90	88.90	100.90		127.90	
	X 206.0						46.90	47.90								
	X 222.0			40.90	43.90											
	X 246.0			42.90	45.90		48.90	54.90	60.90	77.90	90.90		117.90		149.90	
	X 296.0			49.90	53.90		57.90	61.90	70.90	88.90	104.90		140.90			
	X 346.0			50.90	57.90		63.90	69.90	80.90	100.90	120.90		163.90		206.90	
	X 396.0				66.90		68.90	74.90	89.90	104.90	136.90		180.90		229.90	320.90
	X 446.0						75.90	83.90								
	X 496.0						84.90	89.90								
200.0	X 396.0				66.90											



Tolerances



Standard values

Delivery condition: maximum 190 HB
Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



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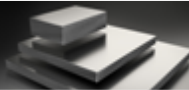
1.2312

1.1730

PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

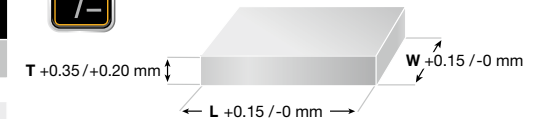
STEEL GRADES

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
206.0	X 246.0			44.90			49.90	56.90								
	X 296.0			50.90	55.90		60.90	64.90								
	X 346.0				60.90		64.90									
	X 396.0				67.90		70.90									
	X 446.0				73.90		77.90									
	X 496.0				79.90		87.90									
	X 546.0						91.90	101.90								
	X 596.0						101.90	108.90								
	X 646.0						108.90	115.90								
	X 696.0						114.90	124.90								
216.0	X 222.0			42.90	44.90											
	X 246.0				47.90		50.90	60.90								
	X 296.0				57.90		63.90	67.90								
	X 396.0						73.90	77.90								
218.0	X 246.0			45.90	49.90		53.90		86.90	101.90	117.90	128.90				
	X 296.0			57.90	60.90		64.90	69.90	84.90	114.90						
	X 346.0				61.90			73.90								
	X 396.0				68.90		74.90	83.90								
	X 446.0				74.90		80.90	88.90								
	X 496.0				83.90		91.90	95.90								
	X 546.0				88.90		95.90	103.90								
	X 596.0				96.90		104.90	110.90								
	X 646.0						110.90	119.90	135.90							
	X 696.0						115.90	127.90	145.90							
226.0	X 796.0				130.90		142.90	147.90								
	X 346.0				64.90		67.90									
	X 396.0				70.90		76.90									



Tolerances



Standard values

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Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



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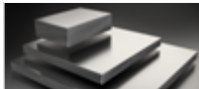
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via smartphone / tablet:



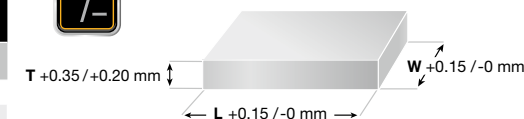
PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
246.0	X 246.0			49.90	58.90		64.90	66.90	74.90	91.90	108.90	127.90	145.90		183.90	
	X 256.0				61.90		66.90									
	X 266.0						67.90	68.90								
	X 296.0			58.90	63.90		68.90	73.90	89.90	108.90	127.90	147.90	167.90		218.90	
	X 346.0				69.90		74.90	76.90	100.90	128.90	147.90		193.90		251.90	333.90
	X 396.0				76.90		81.90	90.90	109.90	139.90	163.90		221.90		274.90	373.90
	X 446.0				84.90		90.90	100.90	124.90	155.90	182.90		244.90		319.90	412.90
	X 496.0						97.90	115.90	140.90	170.90	212.90		266.90		350.90	
	X 546.0						106.90	119.90								
	X 596.0						114.90	122.90								
256.0	X 296.0				64.90		69.90									
	X 346.0				70.90		75.90	79.90								
266.0	X 296.0						70.90	74.90								
268.0	X 346.0				73.90		76.90	81.90								
	X 396.0				79.90		86.90	91.90								
	X 446.0				87.90		94.90	103.90								
	X 496.0				95.90		104.90	110.90								
	X 546.0				103.90		110.90	120.90								
	X 596.0				110.90		120.90	129.90								
	X 646.0						128.90	139.90	159.90							
	X 696.0						136.90	148.90								
	X 796.0						155.90	167.90								
296.0	X 296.0			64.90	67.90		74.90	84.90	101.90	124.90	150.90		200.90	227.90	254.90	306.90
	X 306.0				69.90		75.90									
	X 346.0				80.90		86.90	90.90	117.90	146.90	173.90		229.90		293.90	351.90
	X 396.0				89.90		96.90	100.90	132.90	162.90	192.90		260.90		331.90	
	X 446.0						103.90	112.90	147.90	181.90	216.90		291.90		374.90	450.90
	X 496.0						112.90	116.90	162.90	202.90	240.90		320.90		411.90	489.90
	X 546.0						122.90	126.90	167.90	220.90	264.90		347.90		415.90	528.90
	X 596.0						129.90	140.90	170.90	251.90	281.90		385.90		449.90	621.90
	X 646.0						141.90	155.90								
	X 696.0							180.90	214.90	274.90	333.90		442.90		514.90	



Tolerances



Standard values

Delivery condition: maximum 190 HB
Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



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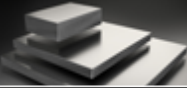
via smartphone / tablet:



PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

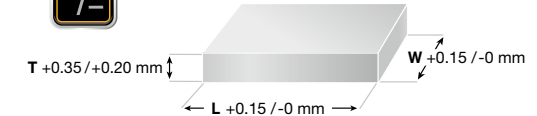
STEEL GRADES

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
316.0	X 346.0							94.90								
	X 396.0							104.90								
	X 446.0							117.90								
318.0	X 346.0				83.90		88.90	99.90								
	X 396.0				94.90		100.90	109.90								
	X 446.0						107.90	121.90								
	X 496.0						115.90	124.90								
	X 546.0						127.90	130.90								
	X 596.0						136.90	146.90								
	X 646.0							162.90								
	X 696.0							187.90								
346.0	X 796.0							217.90								
	X 346.0				90.90		97.90	107.90	130.90	167.90	198.90	231.90	264.90		344.90	448.90
	X 366.0							112.90								
	X 396.0				97.90		107.90	115.90	149.90	187.90	220.90	260.90	300.90			466.90
	X 446.0				114.90		120.90	133.90	168.90	211.90	249.90		333.90		399.90	
	X 496.0				121.90		129.90	135.90	181.90	232.90	275.90		372.90		439.90	644.90
	X 546.0						136.90	146.90	185.90					388.90	507.90	
	X 596.0						148.90	159.90	187.90	280.90	331.90		443.90		517.90	700.90
	X 646.0						160.90	170.90	193.90							
	X 696.0							206.90	253.90	321.90	386.90		507.90		642.90	
	X 796.0								279.90							
366.0	X 396.0							120.90								
368.0	X 396.0						109.90	122.90								
	X 496.0						130.90	141.90								
	X 546.0						141.90	156.90								
	X 596.0							161.90	198.90							
	X 646.0							172.90								
388.0	X 796.0							207.90	285.90							
	X 596.0							170.90	209.90							
	X 796.0							220.90								



Tolerances



Standard values

Delivery condition: maximum 190 HB
Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



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Technical properties

Unalloyed tool steel with excellent machining properties for unhardened parts e.g. fixture construction, due to its carbon proportion (0.45%) it can be hardened, but has a low depth of hardening. Shallow depth case-hardening steel with a hard surface and a tough core. Working hardness: approx. 190 HB (annealed) up to 54 HRC (surface hardness).



Applications

Mechanical engineering, construction materials, jigs, base plates, moulding frames, small dies, hand tools, simple knives, sledges, pliers, forks, hatchets, axes, shears, screwdrivers, chisels.



BS 1.1730 – all at a glance!

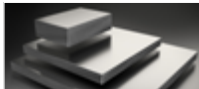
Datasheets, online shop,
ABRAMS STEEL GUIDE® for alternatives:
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via smartphone / tablet:



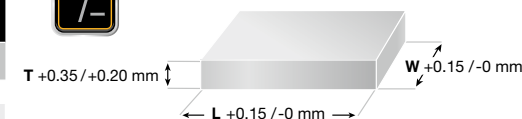
PREMIUM 1.1730 – BS 1.1730 - AISI / SAE 1045 (C45U)

Premium P-Plates [PPP]

		THICKNESS [mm]														
		6.0	9.0	12.0	17.0	20.0	22.0	27.0	36.0	46.0	56.0	66.0	76.0	86.0	96.0	116.0
WIDTH X LENGTH		Price per piece [in Pound Sterling]														
396.0	X 396.0				114.90		120.90	133.90	167.90	214.90	253.90		339.90		411.90	532.90
	X 446.0				119.90		135.90	149.90	187.90	241.90	281.90		383.90		439.90	587.90
	X 496.0						149.90	162.90	209.90	265.90	317.90		426.90		514.90	746.90
	X 546.0						161.90	173.90	227.90	290.90	346.90	405.90	464.90		581.90	
	X 596.0						167.90	203.90	245.90	320.90	373.90		504.90		619.90	
	X 646.0						175.90		279.90							
	X 696.0							220.90	291.90	366.90	433.90		583.90		700.90	
418.0	X 546.0							181.90								
	X 696.0							238.90								
	X 796.0								297.90							
438.0	X 796.0	240.90														
446.0	X 446.0				128.90		160.90	173.90	222.90	266.90	316.90		419.90		507.90	647.90
	X 496.0							188.90	232.90	297.90	350.90		466.90		560.90	
	X 546.0						182.90	194.90	253.90	326.90	386.90		520.90		620.90	
	X 596.0							212.90	265.90	353.90	418.90		560.90			
	X 646.0								293.90	373.90						
	X 696.0								304.90	406.90	490.90		640.90		773.90	
	X 796.0								313.90							
496.0	X 496.0							202.90	240.90	327.90	386.90	452.90	514.90		653.90	
	X 546.0							293.90	320.90	360.90	426.90	499.90	573.90			
	X 596.0							309.90	327.90	389.90	466.90		620.90		720.90	
	X 646.0								333.90	426.90						
	X 696.0								353.90	453.90	532.90		720.90		899.90	
	X 796.0								373.90							
546.0	X 546.0									393.90	466.90		613.90			
	X 596.0								360.90	433.90	507.90		660.90		839.90	
	X 646.0								380.90	474.90						
	X 696.0								399.90	499.90	587.90		757.90		959.90	
568.0	X 796.0	373.90														
596.0	X 596.0								426.90	507.90						
	X 646.0								446.90	537.90						
	X 696.0							330.90		549.90						
696.0	X 696.0	629.90														



Tolerances



Standard values

Delivery condition: maximum 190 HB
Chemical composition:

C	Si	Mn	P	S
0.42	0.15	0.6	0	0
0.5	0.4	0.8	0.03	0.03



Don't see your exact dimension(s)?

Any dimension available in different heights, widths and lengths.
On request - according to your needs!



Contact us

T: +44 (0) 121 368 0190
E: sales@abrams-industries.co.uk



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TRANSPARENCY IN ALL DETAIL !

Information regarding our Net-Price-List (as of November 2023):

All prices are in Pound Sterling per unit, Ex Works, including packaging, excluding current alloy surcharge (see www.premium-steel.co.uk/alloysurcharge).

By presenting the customer's value added tax identification number intra-community supplies (EU) will be charged without VAT. If a value added tax identification number does not apply (e.g. private person) all the prices will be charged with the German VAT added.

In case of price alterations, priority is assigned to the prices published in our online shop.

Minimum order value:

Any quantity - however small - there is no minimum order value for you!

Packaging Fees:

All products are carefully packed.
The packaging is free of charge!

Handling and Delivery Fees:

Consignments of up to 40 kg are dispatched via parcel. Consignments above 40 kg are dispatched via freight forwarders. At ABRAMS PREMIUM STEEL®, we base all of our shipping costs on the principle that they are as transparent and comprehensible for our clients as possible.

For larger quantities please contact us.

For deliveries outside the EU, deliveries on Saturdays or express delivery services (guaranteed date and time) please contact us.

Delivery Time:

Standard products defined in our programme will be delivered as quickly as possible from stock. Individual custom requests will be manufactured and delivered on a short term basis. The standard delivery time is 3-5 working days.

Condition of payment:

Within 14 days net.

HELPFUL INFORMATION CONCERNING PRECISION STEEL

ABRAMS PREMIUM STEEL®	www.premium-steel.co.uk
ABRAMS PREMIUM STEEL® Shop	www.premium-steel.co.uk/shop
STEEL GRADES	www.premium-steel.co.uk/steelgrades
Steel specifications	www.premium-steel.co.uk/specifications
Steel weight table (flat- and round)	www.premium-steel.co.uk/weights
Current alloy surcharges	www.premium-steel.co.uk/alloysurcharges
Current delivery fees	www.premium-steel.co.uk/deliveryfees

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The price list gives an overview of the general attributes and possible applications of precision tool steel which will support your choice of product depending on the various applications of the products, a guarantee of specific attributes and values must be confirmed contractually.

Errors and printing mistakes may occur.

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ABRAMS!®

PREMIUM P-PLATES

ABRAMS Premium Steel®

Variety with maximum precision.

								1.8550
								1.8519
1.2990 mod.	1.2714+QT	1.2361	1.2312			1.4841 314 S 25	1.4122	1.7227 709 M 40
1.2842 BO 2	1.2709 ESU/ERS	1.2360 ~ Chipper	1.2311	1.2083 ESU/ESR		1.4571 320 S 31	1.4112	1.7225 708 M 40
1.2510 BO 1	1.2550 BS 1	1.2358	1.2294	1.2080 mod. BD 3 mod.		1.4418	1.4104	1.7225+QT 708 M 40+QT
1.2826	1.2436 BD 6	1.2344 BH 13	1.2210	1.2067 BL 3/BL 1		1.4404 BS 316L	1.4057 431 S 29	1.7147
1.2767	1.2379 BD 2	1.2344 ESU H13 ESR	1.2162	1.1730	HSS 1.3343 BM 2	1.4401 BS 316	1.4034	1.7131 527 M 17
1.2767 ESU/ESR	1.2367	1.2343 BH 11	1.2099	1.0570 (St 52-3)	HSS PM 30	1.4305 303 S 31	1.4031 420 S 45	1.6587 820 A 16
1.2738	1.2365 BH 10	1.2343 ESU BH 11 ESR	1.2085	Toolox 33	HSS PM 23 BM 3	1.4301 304 S 15	1.4021 420 S 29	1.6582 817 M 40
1.2714	1.2363 BA 2	1.2316	1.2083	Toolox 44	HSS PM 4 BM 4	1.4125 440C	1.4006 410 S 21	1.6580 823 M 30

- + 70 STEELGRADES in 33.855 DIMENSIONS as
 - + PRECISION FLAT STEEL with / without machining allowance
 - + €co-Präz® - Standardized precision blanks
 - + Hart-Präz® - Hardened precision plates
 - + P-PLATES
 - + EROSION BLOCK annealed / hardened
 - + PRECISION ROUND STEEL with / without machining allowance
 - + ROUNDSTEEL
 - + WITHOUT MINIMUM ORDER VALUE AND AMOUNT
 - + SPECIAL CUSTOM DIMENSIONS SAWN - MILLED - GROUND
-
- = SUM OF YOUR COMPETITIVE ADVANTAGES!

ABRAMS PREMIUM STEEL®

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Hannoversche Straße 38/46
49084 Osnabrück/Germany

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www.premium-steel.co.uk/shop
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T: +44 (0) 121 368 0910
E: sales@abrams-industries.co.uk

* The domestic service numbers listed
here are used to reduce the costs for our
customers in Great Britain. You will be
redirected to our native English speaking
accounts management team in Germany.

