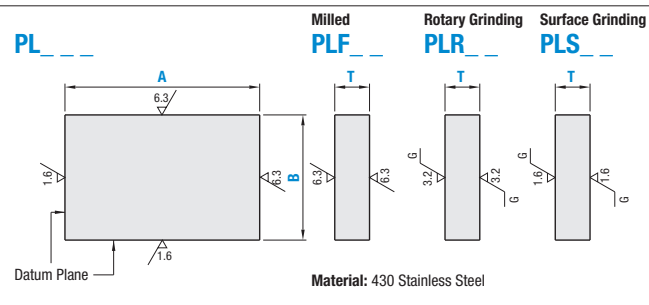
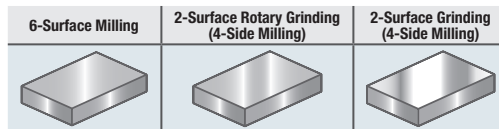


# 430 Stainless Steel Plates

Configurable



Part Number				0.5 mm Increment		
Type	Upper-Lower Surface Finish	(1) Plate Thickness Tolerance	(2) A, B Dimension Tolerance	A	B	T
				A=B		
PL	F Milled	P Q N M	P Q N M	20-500	20-200	5-30
	R Rotary Grinding					
	S Surface Grinding			20-200		

Ⓢ Some sizes cannot be machined. See the price list for details.  
 Ⓢ Please choose the size such that  $A \geq B$  for milled and rotary-ground products and  $A < B \times 3$  for surface-ground products.

## (1) Plate Thickness Tolerance

Upper-Lower Surface Finish	P	Q	N	M
F Milled	+0.1-+0.3	0-+0.2	±0.1	-0.2-0
R Rotary Grinding	+0.1-+0.3	0-+0.2	±0.1	-0.2-0
S Surface Grinding	+0.1-+0.2	0-+0.1	±0.05	-0.1-0

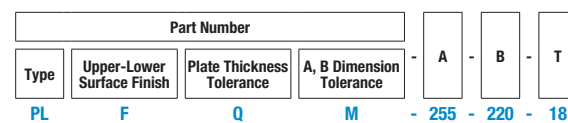
## (2) A, B Dimension Tolerance

Upper-Lower Surface Finish	A, B Dimension	P	Q	N	M
F Milled	250 mm or Less	+0.1-+0.3	0-+0.2	±0.1	-0.2-0
R Rotary Grinding					
S Surface Grinding	250.5 mm or More	+0.1-+0.6	0-+0.5	±0.25	-0.5-0

## Precision Standards

Item	2-Surface Finish			Max. Value
	F Milled	R Rotary Grinding	S Surface Grinding	
Thickness Parallelism per 100 mm	0.05	0.012	0.012	
Flatness per 100 mm	T5-7.5	0.1	0.05	0.05
	T8-15.5	0.07	0.03	0.03
	T16-25.5	0.05	0.015	0.015
	T26-30	0.05	0.012	0.012
Perpendicularity of Datum Plane	0.015 per 100 mm			
Circumference Chamfering	C0.2-C0.5			

## Part Number Example

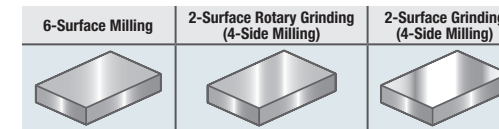


## Features of 430 Stainless Steel

Ferrite Stainless Steel. Excellent corrosion resistance. Its magnetism is effective for prevention of warp caused by machining. Its hardenability is low.

# 430 Stainless Steel Plates

Configurable, *continued*



Part Number Alterations: **PLRNM - 300 - 155 - 20 - CSC**

Alterations	Circumference Chamfering	Corner Cut
	Code: <b>CSC</b>	Code: <b>CBC</b>
Spec:	Changes the circumference chamfering dimension. C0.2-C0.5 → C0.1 or less	Changes the circumference chamfering dimension. C0.2-C0.5 → C0.5-C1.0
		Cuts any corners. 1 ≤ Corner Cuts ≤ 50 1 mm Increment 1-5 6-10 11-20 21-30 31-40 41-50

## Corrosion Resistance of Stainless Steel (Reference)

Testing Method  
 Conforms to the JIS H 8502 Cycle Test Method as a complex corrosion test.  
**Test Conditions**  
 (1) Salt Water Spray Test (5% NaCl, 35°C) 2 hr  
 (2) Dry (60°C)  
 (3) Wet (85% RH 50°C)  
 Appearance comparison among before the test, 48 hr after the test and 168 hr after the test.

	430 Stainless Steel	303 Stainless Steel	304 Stainless Steel
Before Test			
48 hrs			
168 hrs			

## (Standard Size) 6-Surface Machined

A, B, T: 0.5 mm Increment

Type	A 0.5 mm Unit	B / T	5	5.5-6	6.5-8	8.5-30
PLF __ PLR __	20-250	20-25	•	•	•	•
	250.5-350		—	•	•	•
	25.5-200	25.5-40	•	•	•	•
	200.5-500		—	—	—	•
	40.5-200		•	•	•	•
200.5-500	40.5-200	—	—	•	•	

Type	A 0.5 mm Unit	B / T	5	5.5-6	6.5-8	8.5-30
PLS __	20-200	20-25	•	•	•	•
	25.5-200	25.5-40	•	•	•	•
	40.5-200	40.5-200	•	•	•	•