

Gussets / Angle Plates / Welded Steel Stands

Gussets / Angle Plates / Welded Steel Stands

			
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PRODUCT NAME Angle Plates – Cast Iron, Dimension Fixed Type	PRODUCT NAME Angle Plates – Aluminum / Stainless Steel / Dimension Fixed Type	PRODUCT NAME Angle Plates – Mounting Hole Selectable & Hole Position Fixed Type
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PRODUCT NAME Angle Plates – Opposite Angle Dowel Type	PRODUCT NAME Angle Plates – Wide Type	PRODUCT NAME Welded Angle Plates – Compact & No Hole Type	PRODUCT NAME Welded Angle Plates – No Hole Type & Hole Position Specified Type	PRODUCT NAME Welded Steel Stands – Shaped Steel Type
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PRODUCT NAME Welded Steel Stands – Shaped Steel Height Specified	PRODUCT NAME Welded Steel Stands – Plate Type
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Gussets

Cast Type / Through Holes, Hole Position Fixed Type

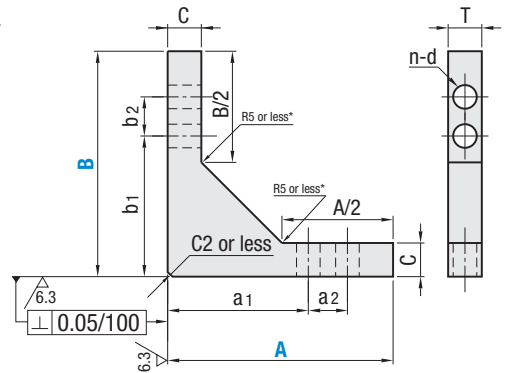
Gussets – Cast Type / Through Holes, Hole Position Fixed Type

RoHS 10

Type	Material	Surface Treatment
RQDB	400 Stainless Steel Equivalent	Black Oxide
RQDM		Electroless Nickel Plating
RQDW	Aluminum Casting Alloy 333.0	Clear Anodize

Ⓜ When A=30 or 50, side A has one mounting hole.
 Ⓜ When B=30 or 50, side B has one mounting hole.
 *For some sizes, R is made small in order to prevent interference of bolt head.



Part Number	Type	A	B	T		n (No. of Holes)	d	a ₁	a ₂	b ₁	b ₂	C	
				1018 Carbon Steel or Equivalent	AC4B								
RQDB Black Oxide RQDM Electroless Nickel Plating RQDW Clear Anodize	*30	30	*30	12	10	2	5.5	20	—	20	—	8	
			*50							35	15		
			80							50	15		
			*50							35	—		
			80							50	15		
			100							60	20		
	80	30	30	12	12	4	6.5	50	15	50	15	20	
										100	60		20
										100	60		20
										100	60		20
										150	90		30
										150	90		30

*When A=30 or 50, side A has one mounting hole, and when B=30 or 50, side B has one mounting hole.

Difference Between Precision Cast Gussets and Machined Gussets

Although Precision Casting Gussets are inferior to Machined Gussets in luster, they are equal to Machined Gussets (Standard Grade) in perpendicularity.

Material Properties of Aluminum Casting Alloy 333.0 (Aluminum Alloy Casting)

It is suitable for casting, and has high tensile strength and low rate of elongation. It is used for general and wide-range purpose.

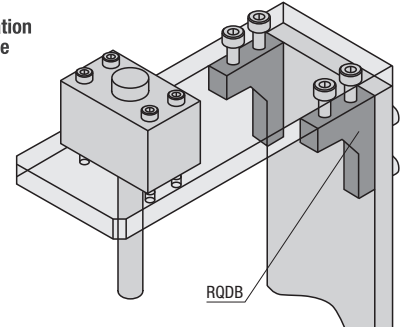
Comparison Table of Tensile Strength

Representative Values of Mechanical Properties	
Tensile Strength (N/mm ²)	
5052 Aluminum Alloy	Aluminum Casting Alloy 333.0
260	170 or More

Part Number Example

Part Number	-	B
RQDB30	-	80

Application Example



Precision Casting Economy Gussets are optimal for reinforcing where not visible or appearance is not important.