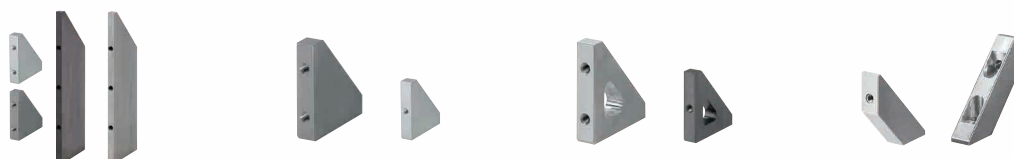


Gussets / Angle Plates / Welded Steel Stands

Gussets



Product Name	Precision Casting Economy Gussets - Through Holes, Hole Position Fixed	Gussets - Through/Counterbored Holes, Hole Position Fixed	Through Hole, Hole Position Configurable
Page	2194	2195	2196



Product Name	Gussets - Tapped, Hole Position Fixed	Tapped, Hole Position Configurable	Reduced Weight	Bridge Type
Page	2197	2198	2199	2200

Angle Plates



Product Name	Angle Plates - Cast Iron, Dimension Selectable	Aluminum / Stainless Steel / Dimension Fixed	Mounting Hole Selectable, Hole Position Fixed
Page	2201	2202	2203



Product Name	Angle Plates - Mounting Surface Tapped, Mounting Hole Position Configurable	Hole Position Configurable	Side A (Base Surface) Machining Configurable
Page	2204	2205	2207



Product Name	Angle Plates - Opposite Angle Dowel Holes	Wide	Welded Angle Plates - Compact, No Hole	No Hole / Hole Position Configurable
Page	2208	2208	2209	2210

Welded Steel Stands



Product Name	Welded Steel Stands - Shaped Steel	Shaped Steel, Height Configurable	Plate
Page	2211	2212	2213

Precision Casting Economy Gussets

Through Holes, Hole Position Fixed

■ **Features:** Economical Type realizing average 47%, maximum 57% lower price than machined products, by using Precision Casting. This type is equal to the machined products in perpendicularity and accuracies.

RoHS10

Type	Material	Surface Treatment
RQDB	EN 1.0038 Equiv.	Black Oxide
RQDM	EN AC-46200 Equiv.	Electroless Nickel Plating
RQDW	EN AC-46200 Equiv.	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 (Number of Holes)	d	a1	a2	b1	b2	C	Unit Price		
				EN 1.0038 Equiv.	EN AC-46200 Equiv.								RQDB	RQDM	RQDW
RQDB (Black Oxide)	30°	30*	30*	12	10	2	5.5	20	-	20	-	8			
			50*			3				35	15				
			80			2				50	15	12			
		50°	50*			2				35	-				
			80			3				50	15				
			100							60	20				
	50°	80	80		12	4	6.5	50	15	50	15	20			
			100							60	20				
			150							90	30	25			
		100	100							60	20				
			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.



Part Number	-	B
RQDB30	-	80
RQDW100	-	150

■ **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.

Comparison Table of Tensile Strength

Representative Values of Mechanical Properties

Tensile Strength (N/mm ²)	
EN 1.0038 Equiv.	EN 1.0038 Equiv.
400 or more	375~500

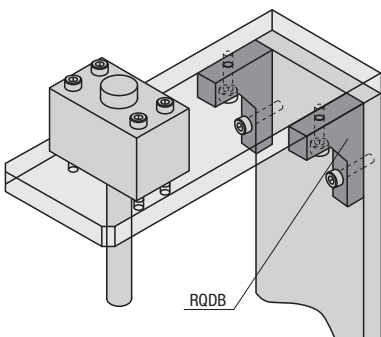
Representative Values of Mechanical Properties

Tensile Strength (N/mm ²)	
EN AW-5052 Equiv.	EN AC-46200 Equiv.
260	170 or more

■ **Material Properties of EN AC-46200 Equiv. (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.



Example



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