

Bearing selection

Products Series

AISI 440C

AISI 304

AISI 630

Pure Titanium

Ceramic

Heat Resistance

Grease Free

Low Torque

Solid Grease

Set Screw

Alignment Function

Flange Unit

Guide Wheel

6800
6900

SS5200
5200

5800

Customization

Examples of Use

GW Series Guide Wheel Bearings

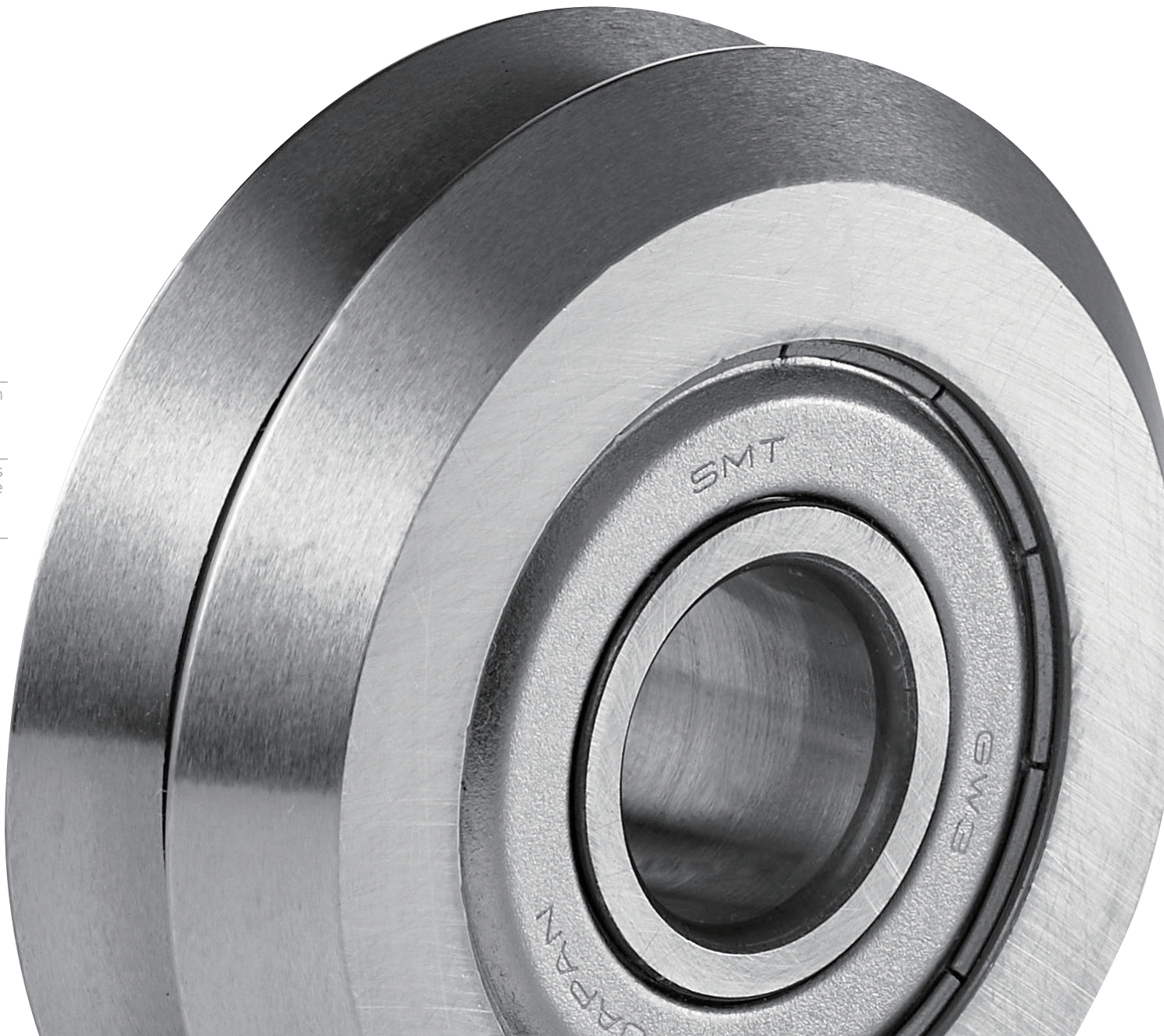


High-load environment



Transportation

Bearing with W-shaped outer ring, suitable for use as guide wheels with both internal and external V-shaped rail.



Features

1. High precision grade by integral construction of bearing and precision-ground W-shaped outer ring.
2. Tolerant to both radial and axial load with inner construction of double row angular contact type and also resistant to moment load.
3. Available with both SAE 52100 bearing steel and AISI 440C stainless steel.

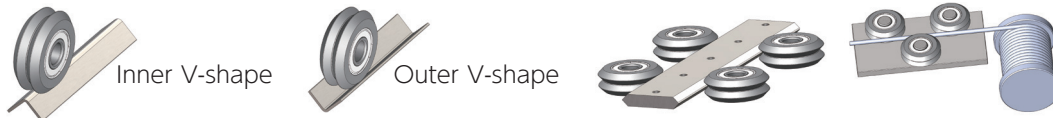
Product Specifications

Standard Specifications		
	GW	GWSS
Inner and Outer Rings	SAE 52100	AISI 440C
Balls	SAE 52100	AISI 440C
Retainer	Polyamide resin	Polyamide resin
Shield	SECC	not available
Seal	Nitrile rubber	Nitrile rubber
Lubricant*1	Lithium grease	Lithium grease

The following special specifications are also available.

*1 Food-grade grease and other special greases

Usage Examples



Composition of bearing number

GW 1 SS 2RS

1 2 3 4

- 1 GW : Guide Wheel
- 2 Basic number
- 3 Blank : Material SAE 52100
SS : Material AISI 440C
- 4 ZZ : Double steel plate shields
2RS : Double contact rubber seals

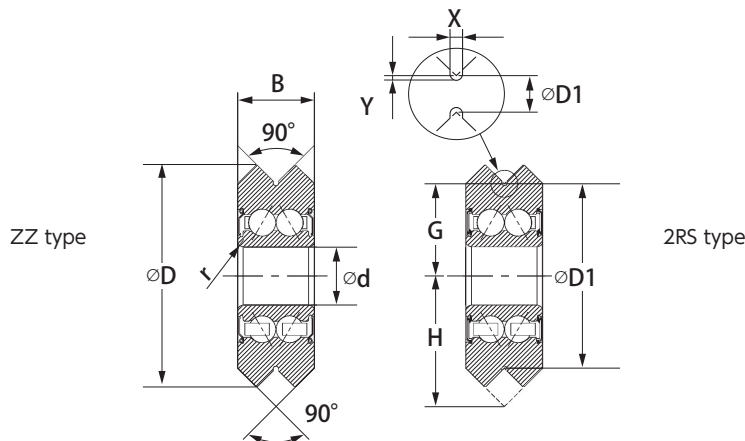


Table of Dimensions

Bearing Numbers	d		D	B	D1	G	H	X	Y	r min.	Basic Load Ratings		Mass
	mm	Tolerance									C _r	C _{or}	
GW1	4.762		19.58	7.874	15.875	7.937	11.870	0.50	0.27	0.5	2180	1110	11
GW1SS													11
GW2	9.525	0 -0.008	30.73	11.112	25.400	12.700	18.259	0.60	0.30	0.5	4700	2780	38
GW2SS													38
GW3	12		45.80	15.9	38.100	19.050	26.989	0.75	0.18	0.6	9150	5050	133
GW3SS													131
GW4	15		59.94	19.050	50.800	25.400	34.931	0.89	0.20	0.6	12800	7900	288
GW4SS													284

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