

Square Bearings with Housings - Overview



Bearings with Housings - T-Shaped Extruded Machined

Selection List for Bearings with Housings

- Square Bearings with Housings are a bundled item containing a Class 0 Accuracy Bearing and a Housing with Bearing hole tolerance H7 guaranteed. Buying a Bearing with Housing will save you the trouble of preparing drawings and ordering multiple parts.
- Largely classified into two types: Single and Double (excluding some shapes). The Double is suitable for supporting relatively large load.

| Basic Shape | Product Photo | Securing Method | Features | Page | |
|------------------------------------|---------------|-----------------|--|---|--|
| | | | | Single | Double |
| T-Shaped Extruded Aluminum Product | | | <ul style="list-style-type: none"> • Most economical Bearing with Housing. • Price is up to 30% lower than the conventional steel T-shaped milled products. • R-shaped corner has improved the safety and the design. | P960 | |
| T-Shaped | | | <ul style="list-style-type: none"> • Easy installation. • Suitable when lengthwise space is limited. • If positioning accuracy is required, Bearings with Housings - with Positioning Groove is useful. • Bearings with Housings - Low Particle Generation Grease Filled is suitable for use in a clean room, etc. | Standard P961 Datum P967 Low Particle Generation Grease Filled P969 | Standard P963 Short Double P966 Datum P968 Low Particle Generation Grease Filled P970 |
| L-Shaped | | | <ul style="list-style-type: none"> • Suitable when crosswise space is limited. | P965 | |
| Bottom Mount | | | <ul style="list-style-type: none"> • Mounted from the bottom of the plate. • Suitable when crosswise space is limited. | P971 | P972 |
| Block | | | <ul style="list-style-type: none"> • Suitable when lengthwise space is limited. | P973 | P974 |
| Front Mount | | | <ul style="list-style-type: none"> • For limited installation spaces. • Shouldered Type guarantees ±0.02 height accuracy. | Standard P975 Shouldered P976 | |

■ Features: Extruded machined product made of aluminum alloy reduces the price up to 30% less than the conventional T-shaped milled product made of steel. Round shape eliminates the need for chamfering and improves safety.

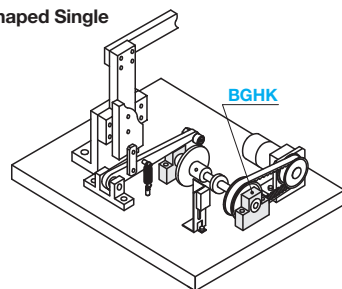
| Type | Material | | Surface Treatment | Accessories |
|---------|----------|----------------|-------------------|----------------|
| | Bearing | Housing | Housing | Retaining Ring |
| C-BGHKA | Steel | Aluminum Alloy | Clear Anodize | Spring Steel |

Bearing Accuracy: JIS B 1514 Class 0

| Type | Part Number | | h Selection | d | H | L1 | d1 | L | L2 | T | S | dh | DH7 | B | R | Bearing Used | | | Unit Price |
|---------|-------------|----|-------------|----|-----|-----|----|----|----|----|----|----|-----|----|-----|-------------------|-----------------|----------------------------|------------|
| | Bearing No. | h | | | | | | | | | | | | | | Basic Load Rating | | Allowable Rotational Speed | |
| | | | | | | | | | | | | | | | | Cr (Dynamic) kN | Cor (Static) kN | | |
| C-BGHKA | 608ZZ | 20 | 8 | 35 | 41 | 5.5 | 53 | 29 | 12 | 10 | 10 | 18 | 22 | 7 | 11 | 3.35 | 1.4 | 32000 | |
| | | 30 | 8 | 40 | 41 | 5.5 | 53 | 29 | 12 | 10 | 15 | 18 | 22 | 7 | 11 | 3.35 | 1.4 | 32000 | |
| | | 40 | 8 | 45 | 41 | 5.5 | 53 | 29 | 12 | 10 | 15 | 18 | 22 | 7 | 11 | 3.35 | 1.4 | 32000 | |
| | 6900ZZ | 20 | 10 | 35 | 41 | 5.5 | 53 | 29 | 12 | 10 | 10 | 19 | 22 | 6 | 11 | 2.7 | 1.27 | 30000 | |
| | | 30 | 10 | 40 | 41 | 5.5 | 53 | 29 | 12 | 10 | 15 | 19 | 22 | 6 | 11 | 2.7 | 1.27 | 30000 | |
| | | 40 | 10 | 45 | 41 | 5.5 | 53 | 29 | 12 | 10 | 15 | 19 | 22 | 6 | 11 | 2.7 | 1.27 | 30000 | |
| | 6000ZZ | 20 | 10 | 37 | 46 | 5.5 | 58 | 34 | 15 | 10 | 10 | 22 | 26 | 8 | 13 | 4.55 | 1.96 | 29000 | |
| | | 30 | 10 | 40 | 46 | 5.5 | 58 | 34 | 15 | 10 | 15 | 22 | 26 | 8 | 13 | 4.55 | 1.96 | 29000 | |
| | | 40 | 10 | 47 | 46 | 5.5 | 58 | 34 | 15 | 10 | 15 | 22 | 26 | 8 | 13 | 4.55 | 1.96 | 29000 | |
| | 6200ZZ | 20 | 10 | 40 | 54 | 6.5 | 68 | 40 | 15 | 15 | 10 | 24 | 30 | 9 | 16 | 5.1 | 2.39 | 25000 | |
| | | 30 | 10 | 50 | 54 | 6.5 | 68 | 40 | 15 | 15 | 15 | 24 | 30 | 9 | 16 | 5.1 | 2.39 | 25000 | |
| | | 40 | 10 | 60 | 54 | 6.5 | 68 | 40 | 15 | 15 | 15 | 24 | 30 | 9 | 16 | 5.1 | 2.39 | 25000 | |
| | 6901ZZ | 20 | 12 | 37 | 46 | 5.5 | 58 | 34 | 12 | 10 | 10 | 21 | 24 | 6 | 13 | 2.89 | 1.46 | 27000 | |
| | | 30 | 12 | 40 | 46 | 5.5 | 58 | 34 | 12 | 10 | 15 | 21 | 24 | 6 | 13 | 2.89 | 1.46 | 27000 | |
| | | 40 | 12 | 47 | 46 | 5.5 | 58 | 34 | 12 | 10 | 15 | 21 | 24 | 6 | 13 | 2.89 | 1.46 | 27000 | |
| | 6001ZZ | 20 | 12 | 40 | 54 | 6.5 | 68 | 40 | 15 | 15 | 10 | 24 | 28 | 8 | 16 | 5.1 | 2.39 | 26000 | |
| | | 30 | 12 | 50 | 54 | 6.5 | 68 | 40 | 15 | 15 | 15 | 24 | 28 | 8 | 16 | 5.1 | 2.39 | 26000 | |
| | | 40 | 12 | 60 | 54 | 6.5 | 68 | 40 | 15 | 15 | 15 | 24 | 28 | 8 | 16 | 5.1 | 2.39 | 26000 | |
| | 6201ZZ | 20 | 12 | 40 | 54 | 5.5 | 68 | 40 | 16 | 10 | 10 | 26 | 32 | 10 | 16 | 6.1 | 2.75 | 22000 | |
| | | 30 | 12 | 50 | 54 | 5.5 | 68 | 40 | 16 | 15 | 15 | 26 | 32 | 10 | 16 | 6.1 | 2.75 | 22000 | |
| | | 40 | 12 | 60 | 54 | 5.5 | 68 | 40 | 16 | 15 | 15 | 26 | 32 | 10 | 16 | 6.1 | 2.75 | 22000 | |
| | 6902ZZ | 30 | 15 | 50 | 54 | 6.5 | 68 | 40 | 12 | 15 | 10 | 25 | 28 | 7 | 16 | 3.65 | 2 | 24000 | |
| | | 40 | 15 | 60 | 54 | 6.5 | 68 | 40 | 12 | 15 | 15 | 25 | 28 | 7 | 16 | 3.65 | 2 | 24000 | |
| | | 50 | 15 | 70 | 54 | 6.5 | 68 | 40 | 12 | 15 | 15 | 25 | 28 | 7 | 16 | 3.65 | 2 | 24000 | |
| 6002ZZ | 30 | 15 | 50 | 54 | 6.5 | 68 | 40 | 15 | 15 | 10 | 28 | 32 | 9 | 16 | 5.6 | 2.83 | 22000 | | |
| | 40 | 15 | 60 | 54 | 6.5 | 68 | 40 | 15 | 15 | 15 | 28 | 32 | 9 | 16 | 5.6 | 2.83 | 22000 | | |
| | 50 | 15 | 70 | 54 | 6.5 | 68 | 40 | 15 | 15 | 15 | 28 | 32 | 9 | 16 | 5.6 | 2.83 | 22000 | | |

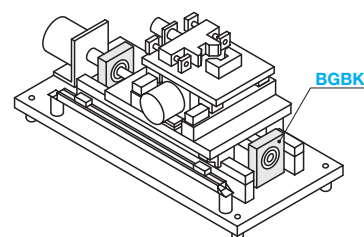
App. Examples of Bearings with Housings

T-Shaped Single



Example of a link mechanism using a cam. The above example uses the T-shaped single type to save the front and back space.

Bottom Mount



If the space is limited all around as shown in the above example, it is effective to use bottom mount type and fasten it from the plate bottom.

Ordering Example: Part Number C-BGHKA 608ZZ - h 20

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

