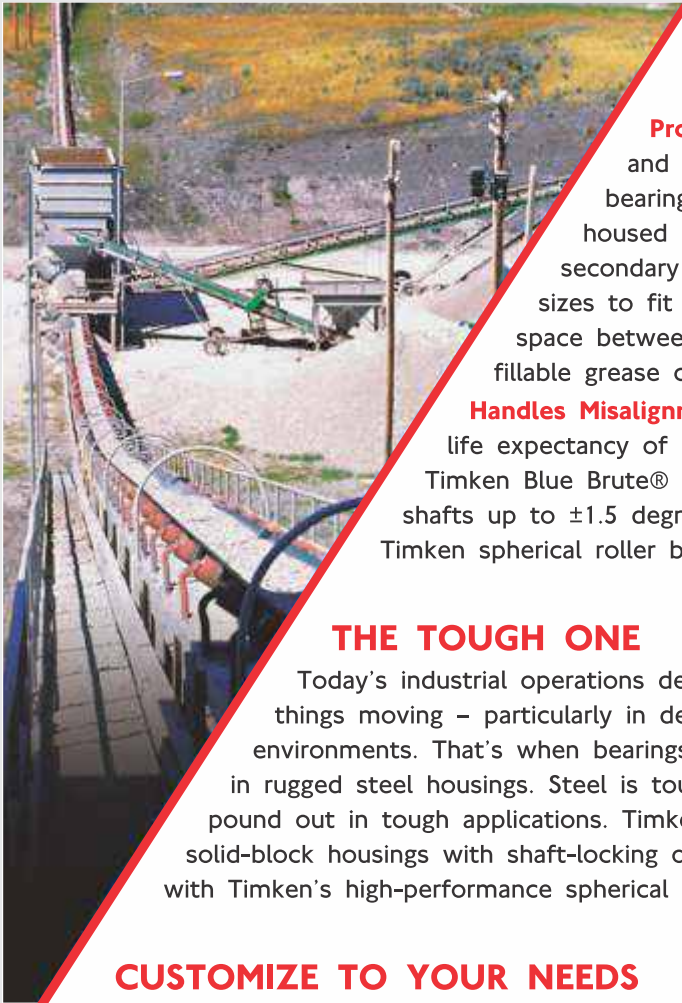


TIMKEN

TIMKEN BLUE BRUTE®

Spherical Roller Bearing Solid-Block Housed Units



STANDS UP TO HARSH CONDITIONS

Protects Bearing. Harsh operating environments and lubrication issues often lead to housed unit bearing damage. Timken Blue Brute® solid-block housed units multiply protection with primary and secondary seal options, as well as steel covers in sizes to fit all Timken solid-block housed units. The space between the primary and secondary seal offers a fillable grease cavity for more protection.

Handles Misalignment. Without a properly aligned shaft, the life expectancy of most housed units decreases. However, Timken Blue Brute® housed units run efficiently on misaligned shafts up to ± 1.5 degrees, thanks to their unique design and Timken spherical roller bearings.

THE TOUGH ONE

Today's industrial operations depend on housed unit bearings to keep things moving – particularly in demanding conditions and highly contaminated environments. That's when bearings in these units need to be safely protected in rugged steel housings. Steel is tougher than cast iron, which can break or pound out in tough applications. Timken® offers a full-line of precision-made solid-block housings with shaft-locking options and seals. Of course, they come with Timken's high-performance spherical roller bearings.

CUSTOMIZE TO YOUR NEEDS

- **Wide range of choices.** Timken's comprehensive product offering interchanges with virtually all solid-block roller bearing units.
- **Quicker installation time.** Machined feet, tapped puller holes, black oxide inner rings and multiple shaft locking choices make it simple to install this heavy-duty unit.
- **Increased uptime.** Robust steel housing, wide variety of seal choices and a high-performance Timken roller bearing result in increased unit uptime.
- **Multidirectional shaft expansion.** Double-nut housing allows in-field conversion from fixed to floating in either direction.
- **One-time shaft alignment on all housing unit styles.** Machined feet ends allow for precise installation and blocking for faster future unit replacement.
- **Fewer misalignment issues.** Bearings accept up to ± 1.5 degrees of misalignment.
- **Easier removal** with standard withdrawal holes on all piloted-flanged units.
- **Multiple available sizes** accommodate shafts from 1.7/16 inches to 7 inches (40mm to 180mm).
- **More seal options.** Optimize performance in highly contaminated environments.
- **Protection against over-lubrication.** Pressure relief valves come standard when unit is ordered with non-purgeable seals.
- **Increased shaft-holding power and reduced shaft damage.** Eccentric lock series is designed to stay tight in reversing applications on precision-ground shafts.
- **Efficient built-to-order manufacturing.** Quick delivery of customized configurations for specific applications.

Solid steel housings by Timken are built to last, so you can keep your business operations running. Precise manufacturing methods with tighter tolerances and innovative designs are key to higher quality, stronger housings.



HARSH CONDITIONS

Call For Extreme Solutions

When your equipment faces harsh environments, you need roller bearing housed units rugged enough to outlast tough conditions and deliver exceptional performance.

You gain both with Timken Blue Brute® spherical roller bearing solid-block housed units.

Timken Blue Brute® housed units withstand the impact of falling debris and handle up to ± 1.5 degrees of misalignment. Made of cast-steel housings and durable seals, Timken Blue Brute® housed units offer protection from contaminants.

**INCREASE PERFORMANCE AND DURABILITY.
DECREASE OVERALL COST OF OWNERSHIP.**

INDUSTRIES & APPLICATIONS

- Metal Mills
- Aggregate and Cement
- Mining
- Power Generation
- Sawmills and Other Forest Products Industries
- Pulp and Paper
- Material Conveying
- Commercial and Industrial Building Products
- Sugar Mills
- Agriculture
- Waste Management and Waste Water Treatment
- Off-Highway and Construction Vehicles
- HVAC, Fans and Blowers
- Cranes, Lifts and Hoists





HOUSING STYLES

Choose the housing configuration that fits your need. For your convenience, Timken offers interchange solutions for hundreds of other housed units that simply don't offer the strength of these solid-block designs.



Two Bolt Pillow Block



Four Bolt Pillow Block



Flange Block



Piloted Flange Cartridge



Take-Up Block



Cartridge Block

LOCKING CONFIGURATIONS



CL Series

Single Set Screw Lock

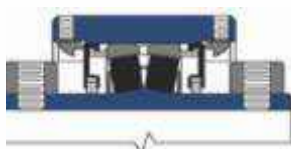
- Heavy-duty
- Simple installation
- Minimal runout



EC Series

Eccentric Lock

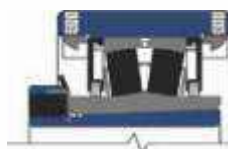
- Heavy-duty
- Increased shaft holding power
- Reduced shaft damage under extreme shock loads
- Designed not to release in reversing applications



CL Series

Double Set Screw Lock

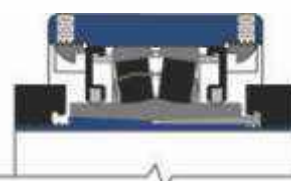
- Extra heavy-duty
- Simple installation
- Increased holding power



TA/DV Series

Tapered Adapter Lock

- Extra heavy-duty
- 360 degrees shaft holding
- Accommodates undersized shafting



V-Lock Series

Double Taper Lock (U.S. Pat. No. 7344313)

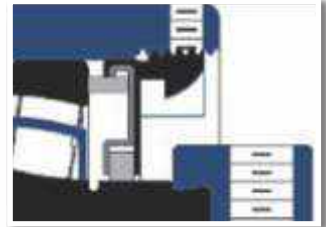
- Extra heavy-duty
- 360 degrees shaft holding
- Designed to eliminate over tightening
- Mechanical withdrawal for easier removal
- Larger bearings and higher load rating compared to competitive products having same bore size

SEALING OPTIONS

BMG experts can help you select the right locking style and seal for your needs. Contact your BMG representative for assistance.

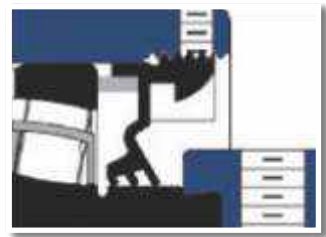
Labyrinth Seals – DuPont™ Teflon®

- High-speed applications.
- Superior in dirty and wet conditions.
- Able to operate at high temperatures.
- Resistant to most chemicals.
- Abrasion-resistant.



Triple-Lip Seals – Nitrile

- Self-purging.
- Excellent in moist and dirty applications.
- Chemical- and corrosion-resistant.



Triple-Lip Seals – Urethane

- All the benefits of Nitrile, plus it's resistant to abrasion.

TIMKEN BLUE BRUTE® STEEL AUXILIARY COVERS

Give your housed unit roller bearings extra protection with rugged, cost-effective covers. They're designed to fight heavy contamination in industries where particulates are a challenge, such as forestry, steel, mining, pulp and paper, aggregate and cement. These steel covers are treated with black oxide for enhanced corrosion protection.

- Choose from open and closed-ended options for multiple configurations and applications.
- Select shaft sizes from 1.7/16 inches to 5 inches (40 mm to 130 mm).
- Easily remove covers for on-site housed unit inspection and replacement.
- Bolt covers onto standard Timken spherical roller bearing solid-block housed units.
- Fill cover with grease for an extra barrier of protection.



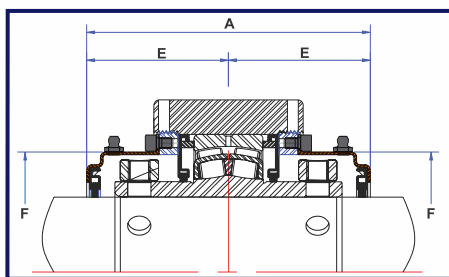
STRONG COVER-UP

Count on Timken's steel auxiliary covers to help keep your spherical roller bearing housed units performing, even in dirty situations. Timken's solid-block housed units provide rugged protection, but in some conditions, may need extra help sealing out troublesome contaminants. Used with primary seals and greases, these steel covers are designed to create formidable protection that helps keep your business moving ahead.

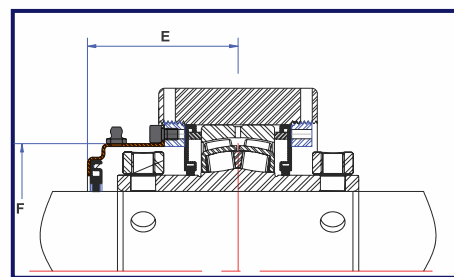
Help Improve your uptime with this unique cover design

- Bolt covers directly onto spherical roller bearing solid-block housed units.
- Get excellent protection at high running speeds, while avoiding shaft damage, thanks to the DuPont™ Teflon® labyrinth seal on the open-ended covers.
- Choose whether to fill cover cavity with grease for an extra barrier of protection.
- Receive fast delivery due to our broad inventory.
- Remove covers easily for on-site inspection and replacement.

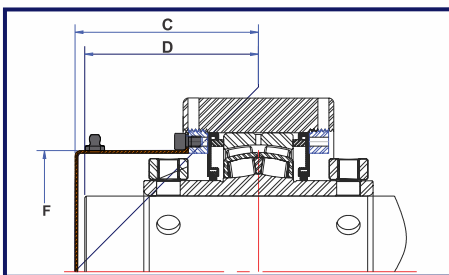
DOUBLE OPEN-END COVER



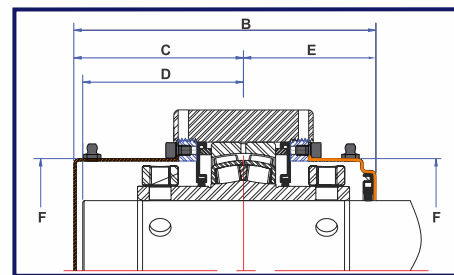
SINGLE OPEN-END COVER



SINGLE CLOSED-END COVER



**SINGLE CLOSED-END COVER
& SINGLE OPEN-END COVER**



TAKE COVER

TIMKEN SOLID-BLOCK AUXILIARY COVERS FOR SOLID-BLOCK HOUSED UNITS

When you choose Timken® spherical roller bearing solid-block housed units, you're investing in products that are built to handle tough industrial jobs. If those jobs involve heavy contamination in industries where particulates are a problem, such as forestry, pulp and paper, aggregate and cement, consider extra-tough sealing solutions.

Timken's steel auxiliary covers definitely up the ante. Rugged and cost-effective, they help your equipment perform even better in these conditions. Even the Toughest Bearings Need Protection.

Timken's auxiliary covers are made from steel designed to withstand harsh environments. Plus, they are treated with black oxide for additional corrosion protection. These covers offer sturdy sealing protection against particulate contamination and moisture, helping your bearings last longer.

Add up all the advantages of Timken steel auxiliary covers and you have an extra-strong sealing solution for your steel housed units.



TIMKEN AUXILIARY COVERS ARE BUILT TO LAST

For tough jobs where Timken spherical roller bearing solid-block housed units have to operate in environments with high levels of particulate contamination, choose Timken Auxiliary Covers.

- Made from steel to withstand the toughest applications.
- Black-oxide treated for improved corrosion protection.
- Available in both open-ended and closed-ended designs for standard and custom configurations of Timken spherical roller bearing solid-block housed units.
- Standard products available for shaft sizes 1.7/16 inches up to 5 inches (40 mm to 135 mm). Check with your BMG sales representative for other shaft sizes.

ENJOY PEACE OF MIND WITH EXTRA PROTECTION FOR YOUR BEARINGS

TIMKEN STEEL AUXILIARY COVER DIMENSIONS

CL SERIES - SINGLE AND DOUBLE SET SCREW LOCKS

BEARING STYLE CL	PART NUMBER	BEARING SERIES	STEEL COVER DIMENSIONS					
			A in. mm	B in. mm	C in. mm	D in. mm	E in. mm	F in. mm
1-15/16in 50mm 2in	CA10T115S CA10T050S CA10T200S	22210	4.83 122.682	5.23 132.842	2.88 73.152	2.72 69.088	2.42 61.486	3.14 79.756
55mm 2-3/16in 2-1/4in 60mm	CA11T055S CA11T023S CA11T024S CA13T060S	22211	5.06 128.524	5.64 143.256	3.12 79.248	2.96 75.184	2.53 64.262	3.53 89.6626
2-7/16in 2-1/2in 65mm	CA13T207S CA13T208S CA13T065S	22213	5.33 135.382	6.27 159.258	3.6 91.440	3.44 87.376	2.67 67.818	4.08 103.632
2-11/16in 2-3/4in 70mm 2-15/16in 75mm 3in	CA15T211S CA15T212S CA15T070S CA15T215S CA15T075S CA15T300S	22215	5.83 148.082	6.52 165.608	3.6 91.440	3.44 87.376	2.92 74.168	4.57 116.078
80mm 3-3/16in 3-1/4in 85mm 3-7/16in 3-1/2in 90mm	CA18T080S CA18T303S CA18T304S CA18T085S CA18T307S CA18T308S CA18T090S	22218	6.49 164.846	7.40 187.960	4.16 105.664	4.00 101.600	3.25 82.550	5.49 139.446
3-11/16in 3-3/4in 100mm 3-15/16in 4in	CA20T311S CA20T312S CA20T100S CA20T315S CA20T400S	22220	7.07 179.578	7.96 202.184	4.43 112.522	4.27 108.458	3.54 89.916	6.31 160.274
110mm 4-7/16in 4-1/2in 115mm	CA22T110S CA22T407S CA22T408S CA22T115S	22222	8.57 217.678	9.52 241.808	5.24 133.096	5.08 129.032	4.29 108.966	7.09 180.086
125mm 4-15/16in 5in 130mm	CA26T125S CA26T415S CA26T500S CA26T130S	22226	8.65 219.710	9.56 242.824	5.24 133.096	5.08 129.032	4.33 109.982	8.24 202.296

EC SERIES - ECCENTRIC LOCKS

BEARING STYLE EC	PART NUMBER	BEARING SERIES	STEEL COVER DIMENSIONS					
			A in. mm	B in. mm	C in. mm	D in. mm	E in. mm	F in. mm
1-7/16in	CJ08T107S	22208	4.55	5.03	2.75	2.59	2.28	2.74
1-1/2in	CJ08T108S		115.57	127.762	69.850	65.786	57.912	69.596
40mm	CJ09T040S	22209	4.79	5.15	2.75	2.59	2.40	2.94
1-11/16in	CJ09T111S							
1-3/4in	CJ09T112S							
45mm	CJ09T045S							
1-15/16in	CJ10T115S	22210	4.83	5.23	2.88	2.72	2.42	3.14
50mm	CJ10T050S							
2in	CJ10T200S							
55mm	CJ11T055S	22211	5.06	5.64	3.12	2.96	2.53	3.53
2-3/16in	CJ11T203S							
2-1/4in	CJ11T204S							
60mm	CJ13T060S							
2-7/16in	CJ13T207S	22213	5.33	6.27	3.60	3.44	2.67	4.08
2-1/2in	CJ13T208S							
65mm	CJ13T065S							
2-11/16in	CJ15T211S	22215	5.83	6.52	3.60	3.44	2.92	4.57
2-3/4in	CJ15T212S							
70mm	CJ15T070S							
2-15/16in	CJ15T215S							
75mm	CJ15T075S							
3in	CJ15T300S							
80mm	CJ18T080S	22218	6.49	7.40	4.16	4.00	3.25	5.49
3-3/16in	CJ18T303S							
3-1/4in	CJ18T304S							
85mm	CJ18T085S							
3-7/16in	CJ18T307S							
3-1/2in	CJ18T308S							
90mm	CJ18T090S	22220	7.07	7.96	4.43	4.27	3.54	6.31
3-11/16in	CJ20T311S							
3-3/4in	CJ20T312S							
100mm	CJ20T100S							
3-15/16in	CJ20T315S							
4in	CJ20T400S	22222	8.57	9.52	5.24	5.08	4.29	7.09
110mm	CJ22T110S							
4-7/16in	CJ22T407S							
4-1/2in	CJ22T408S							
115mm	CJ22T115S	22226	8.65	9.56	5.24	5.08	4.33	8.24
125mm	CJ26T125S							
4-15/16in	CJ26T415S							
5in	CJ26T500S							
130mm	CJ26T132S		219.710	242.824	133.096	129.032	109.982	202.296

TA/DV SERIES - TAPERED ADAPTER LOCK

BEARING STYLE EC	PART NUMBER	BEARING SERIES	STEEL COVER DIMENSIONS					
			A in. mm	B in. mm	C in. mm	D in. mm	E in. mm	F in. mm
1-15/16in	CK11T115S	22211	4.89	5.48	3.03	2.87	2.45	3.53
50mm	CK11T050S							
2in	CK11T200S							
2-3/16in	CK13T203S	22213	5.13	6.07	3.50	3.34	2.57	4.08
2-1/4in	CK13T204S							
60mm	CK13T060S							
2-7/16in	CK15T207S	22215	5.62	6.31	3.50	3.34	2.81	4.57
2-1/2in	CK15T208S							
65mm	CK15T065S							
2-15/16in	CK17T215S	22217	5.27	6.14	3.50	3.34	2.53	5.20
75mm	CK17T075S							
3in	CK17T300S							
3-7/16in	CK20T307S	22220	6.71	7.60	4.25	4.09	3.36	6.31
3-1/2in	CK20T308S							
90mm	CK20T090S							
100mm	CK22T100S	22222	8.21	9.17	5.06	4.90	4.11	7.09
3-15/16in	CK22T315S							
4in	CK22T400S							
4-7/16in	CK26T407S	22226	8.29	9.21	5.06	4.90	4.15	8.24
4-1/2in	CK26T408S							
115mm	CK26T115S							

EC SERIES - ECCENTRIC LOCKS

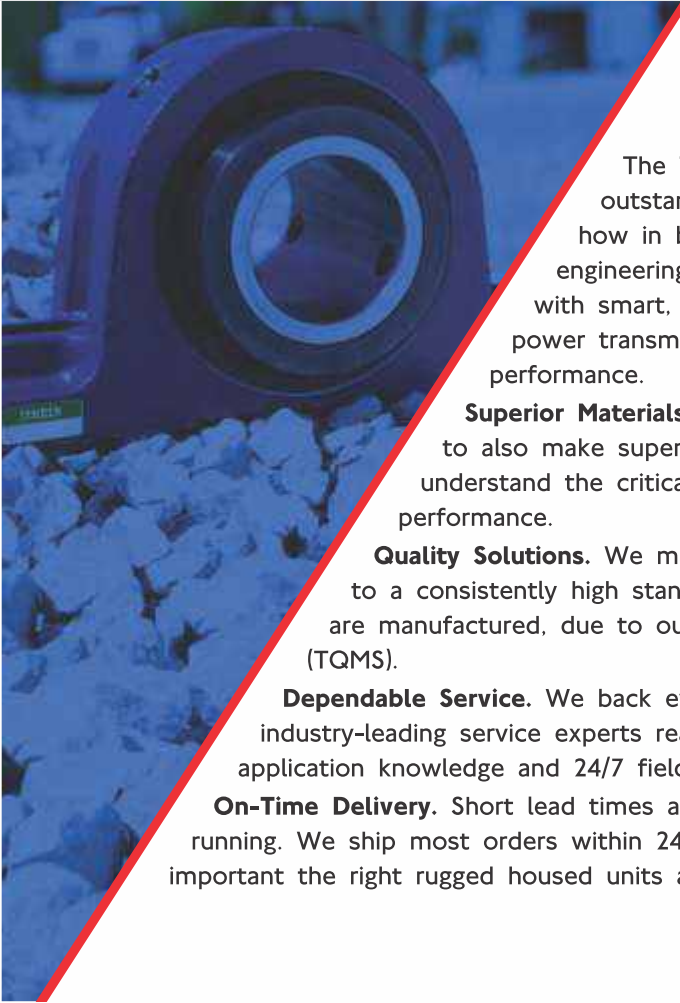
BEARING STYLE EC	PART NUMBER	BEARING SERIES	STEEL COVER DIMENSIONS					
			A in. mm	B in. mm	C in. mm	D in. mm	E in. mm	F in. mm
1-15/16in 50mm 2in	CV11T115S CV11T050S CV11T200S	22211	5.06 128.524	5.64 143.256	3.12 79.248	2.96 75.184	2.53 64.262	3.53 89.662
55mm 2-3/16in 2-1/4in	CV12T055S CV12T203S CV12T204S	22212	5.08 129.032	5.57 141.478	3.03 76.962	2.87 72.898	2.54 64.516	3.88 98.552
60mm 2-7/16in 2-1/2in 65mm	CV14T060S CV14T207S CV14T208S CV14T065S	22214	5.33 135.382	6.27 159.258	3.6 91.440	3.44 87.376	2.67 67.818	4.08 103.632
2-11/16in 2-3/4in 70mm 2-15/16in 75mm 3in	CV16T211S CV16T212S CV16T070S CV16T215S CV16T075S CV16T300S	22216	5.91 150.114	6.60 167.640	3.64 92.456	3.48 88.392	2.96 75.184	4.57 116.078
80mm 3-3/16in 3-1/4in 85mm 3-7/16in 3-1/2in 90mm	CV19T080S CV19T303S CV19T304S CV19T085S CV19T307S CV19T308S CV19T090S	22219	6.61 167.894	7.52 191.008	4.21 106.934	4.05 102.870	3.31 84.074	5.49 139.446
3-11/16in 3-3/4in 100mm 3-15/16in 4in	CV22T311S CV22T312S CV22T100S CV22T315S CV22T400S	22222	8.57 217.678	9.52 241.808	5.24 133.096	5.08 129.032	4.29 108.966	7.09 180.086
110mm 4-7/16in 4-1/2in 115mm	CV26T110S CV26T407S CV26T408S CV26T115S	22226	8.65 219.710	9.56 242.824	5.24 133.096	5.08 129.032	4.33 109.982	8.24 202.296
125mm 4-15/16in 5in 130mm	CV28T125S CV28T415S CV28T500S CV28T130S	22228	8.80 223.520	9.72 246.888	5.32 135.128	5.16 131.064	4.40 111.760	8.24 209.296

V-LOCK SERIES - SN/SAF EQUIVALENTS

BEARING STYLE EC	PART NUMBER	BEARING SERIES	STEEL COVER DIMENSIONS					
			A in. mm	B in. mm	C in. mm	D in. mm	E in. mm	F in. mm
1-15/16in 50mm 2in	CV11T115S CV11T050S CV11T200S	22211	4.89 124.206	5.48 139.192	3.03 76.962	2.87 72.898	2.45 62.230	3.53 89.662
55mm 2-3/16in 2-1/4in	CV13T055S CV13T203S CV13T204S	22213	5.13 130.302	6.07 154.178	3.50 88.900	3.34 84.836	2.57 65.278	4.08 103.632
60mm 2-7/16in 2-1/2in 65mm	CV15T060S CV15T207S CV15T208S CV15T065S	22215	5.62 142.748	6.31 160.274	3.50 88.900	3.34 84.836	2.81 71.374	4.57 116.078
2-11/16in 2-3/4in 70mm 2-15/16in 75mm 3in	CV17T211S CV17T212S CV17T070S CV17T215S CV17T075S CV17T300S	22217	5.27 133.858	6.14 155.956	3.50 88.900	3.34 84.836	2.64 67.056	5.20 132.080
80mm 3-3/16in 3-1/4in 85mm 3-7/16in 3-1/2in 90mm	CV20T080S CV20T303S CV20T304S CV20T085S CV20T307S CV20T308S CV20T090S	22220	6.71 170.434	7.60 193.040	4.25 107.950	4.09 103.886	3.36 85.344	6.31 160.274
3-11/16in 3-3/4in 100mm 3-15/16in 4in	CV22T311S CV22T312S CV22T100S CV22T315S CV22T400S	22222	8.21 208.534	9.17 232.918	5.06 128.524	4.90 124.460	4.11 104.394	7.09 180.086
110mm 4-7/16in 4-1/2in 115mm	CV26T110S CV26T407S CV26T408S CV26T115S	22226	8.29 210.566	9.21 233.934	5.06 128.524	4.90 124.460	4.15 105.410	8.24 202.296



Covers available for all Timken solid-block housed units - take-up, pillow block, pilot and flange units.



TIMKEN QUALITY AND PERFORMANCE

The Timken name stands for high quality and outstanding performance. By leveraging our know-how in bearing technology, manufacturing, engineering support and distribution, we provide you with smart, cost-effective friction-management and power transmission solutions to magnify your performance.

Superior Materials. As the only premium bearing manufacturer to also make super-clean, high-alloy bearing steels, we understand the critical quality link between materials and product performance.

Quality Solutions. We manufacture our bearings, housings and covers to a consistently high standard - no matter where in the world they are manufactured, due to our global Timken Quality Management System (TQMS).

Dependable Service. We back every purchase of a roller housed unit with industry-leading service experts ready to assist you with product design, application knowledge and 24/7 field support.

On-Time Delivery. Short lead times are critical to keeping your operations up and running. We ship most orders within 24 to 48 hours, because we understand how important the right rugged housed units are to your operations.

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