

TIMKEN

TIMKEN® SPHERICAL ROLLER BEARING SOLID-BLOCK HOUSED UNITS

Protection for your operations —
and your bottom line

Tough environments call for even tougher equipment that can live up to the challenge.

That's why the shale-gas hydraulic fracturing industry trusts Timken® spherical roller bearing solid-block housed units to keep its blending trucks running.

These trucks are some of the hardest-working equipment in your operations. As they pump a slurry of sand, chemicals and water underground, the bearings on their auger systems take a beating. Exceedingly fine-proppant sand can breach through their sealing systems, damaging bearings and causing costly — and unexpected — downtime.

With superior sealing options, Timken spherical roller bearing solid-block housed units can outperform the competition. We combine our auxiliary sealed backing plates and end covers that provide a barrier against fine-proppant sand contamination. The result? You gain a reliable, efficient product that's able to withstand the harshest of conditions and can dramatically reduce downtime costs.



DEPEND ON TIMKEN QUALITY

Want to take the uptime of your blending truck operations even further? Partner Timken housed units with Timken® Interlube® automated lubrication systems and Timken Quick-Flex® elastomeric couplings.

FRACKING MOBILE BLEND TRUCKS

TARGET APPLICATIONS

Any flange block application requiring secondary sealing due to high-contamination environments such as blender truck augers.



TARGET MARKETS

Fracking Industry



FEATURES AND BENEFITS

Designed to provide continuous seal against rear of squared flange housing for elimination of contamination ingress from all sides. Dual Teflon® seals make 360° contact on shaft to help eliminate contamination into the rear of the housing through shaft.

STEEL BACKING PLATES AVAILABLE IN ECCENTRIC AND SET SCREW LOCKING HOUSING STYLES QMF/QAF AND QMFL/QAFL

PART NUMBER	SHAFT SIZE	F	E1	E2	BC1	BC2	J	BOLT SIZE	WEIGHT
		mm	mm	mm	mm	mm	mm [+1.5/-0]	mm	kg
		in.	in.	in.	in.	in.	in. [+0.063/-0]	in.	lb
BP10T115S	1-15/16"								
BP10T200S	2"	139.7	111.1	103.3	157.1	146.1	13.5	12	2.0
BP10T050S	50mm	5.50	4.375	4.066	6.187	5.750	0.531	1/2	4.5
BP11T203S	2-3/16"	157.2	123.8	114.5	175.1	161.9	16.7	16	2.8
BP11T204S	2-1/4"	6.19	4.875	4.508	6.894	6.375	0.656	3/4	6.1
BP11T055S	55mm								
BP13T060S	60mm								
BP13T207S	2-7/16"	168.4	136.5	121.2	193.1	171.5	16.7	16	3.0
BP13T208S	2-1/2"	6.63	5.375	4.773	7.601	6.750	0.656	5/8	6.7
BP13T065S	65mm								
BP15T211S	2-11/16"								
BP15T212S	2-3/4"								
BP15T070S	70mm	189.0	152.4	141.4	215.5	200.0	21.0	20	3.9
BP15T215S	2-15/16"	7.44	6.000	5.568	8.485	7.875	0.827	3/4	8.6
BP15T300S	3"								
BP15T075S	75mm								
BP18T303S	3-3/16"								
BP18T304S	3-1/4"								
BP18T080S	80mm	219.2	178.0	170.6	251.7	241.3	21.0	20	5.4
BP18T085S	85mm	8.63	7.007	6.718	9.910	9.500	0.827	3/4	12.0
BP18T307S	3-7/16"								
BP18T308S	3-1/2"								
BP18T090S	90mm								
BP20T311S	3-11/16"								
BP20T312S	3-3/4"	253.2	196.9	193.1	278.4	273.1	25.0	24	7.1
BP20T315S	3-15/16"	9.97	7.750	7.601	10.960	10.750	0.984	1	15.6
BP20T400S	4"								
BP20T100S	100mm								
BORE SIZE 110MM-115MM ONLY AVAILABLE IN QMF/QAF SERIES HOUSINGS									
BP22T110S	110mm								
BP22T407S	4-7/16"	276.4	222.3	N/A	314.3	N/A	25.0	24	8.4
BP22T408S	4-1/2"	10.88	8.750		12.375		0.984	1	18.5
BP22T115S	115mm								

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain and related mechanical power transmission products and services.

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