

PULLEY STOCK PROFILE



**DODGE HEAVY DUTY DRUM AND WING PULLEYS ARE
RENOWNED FOR THEIR RELIABILITY AND PERFORMANCE.
DESIGNED TO WITHSTAND THE MOST CHALLENGING CONDITIONS
FOUND IN MINING, AGGREGATE, AND OTHER HEAVY-DUTY APPLICATIONS.**



HEAVY DUTY XT DRUM PULLEYS

Dodge® XT Conveyor Pulleys

Dodge heavy duty drum and wing pulleys have been operating in the world's most demanding bulk material handling applications for over 100 years. Pulleys can be provided with high quality lagging designed to ensure maximum belt and pulley life in tough applications.

- XT hub style bushings with 9.5 degree taper angle for easy- on, easy-off
- High strength submerged arc or gas-metal arc welds
- Available as standard with vulcanised SBR lagging



STOCKED IN NEW ZEALAND

STOCKED IN AUSTRALIA & USA

STOCKED IN THE USA ONLY

HEAVY DUTY XT DRUM PULLEYS WITH 10 MM (3/8 INCH) HERRINGBONE

DIAMETER	HUB	FACE WIDTH						
		508 MM /20 INCH	660 MM /26 INCH	812 MM /32 INCH	965 MM /38 INCH	1120 MM /44 INCH	1300 MM /51 INCH	1600 MM /63 INCH
152 MM /6 INCH	XT25	229451	229117	229118	229119	229120	229121	293295
200 MM /8 INCH	XT25		229452	229125	291323	292046	292630	293317
	XT30	229123	229124	229126	229128	292048	292632	293319
254 MM /10 INCH	XT25	229131	229453	229454	229361	229455	229457	293359
305 MM /12 INCH	XT25	229458	229459	229460	291550	292137	229162	229347
	XT30	229145	229407	229408	229462	229464	229465	229169
	XT35	229146	229150	229151	228835	229160	229466	229437
	XT40	290017	290217	290835	229159	229161	229163	229170
	XT45	290018	290219	290838	291555	292142	292727	293421
355 MM /14 INCH	XT25	229467	229445	229441	229442	229411	229443	229444
	XT30	229174	229468	229469	229470	229471	229473	229192
	XT35	229175	229385	229182	229386	229472	229474	229193
	XT40	229176	229181	229183	229184	229185	229186	229194
	XT45	290027	290280	290897	291611	292202	292785	229195
	XT50	290028	290282	290899	291613	292204	292787	293484
406 MM /16 INCH	XT25	227507	229412	229387	229415	229389	292845	293542
	XT30	229199	229413	229414	229416	229477	229478	229217
	XT35	229200	229400	229401	229402	229450	229391	229218
	XT40	229201	229206	229388	229476	229390	229392	229219
	XT45	290037	290343	290958	291675	229207	229500	229220
	XT50	290038	290345	290960	291677	292270	292851	293548
460 MM /18 INCH	XT25	229224	229366	229479	—	—	—	—
	XT30	229225	229417	229418	229419	229233	—	229249
	XT35	229226	229409	229403	229410	229482	229368	229370
	X T40	—	229230	229480	229481	229234	229369	229371
	X T45	—	—	—	291675	229207	229242	229220
	XT50	—	—	—	—	—	—	—
510 MM /20 INCH	XT30	—	—	229420	—	229252	229257	229265
	XT35	—	—	229488	229490	229253	—	—
	XT40	—	229404	229405	227344	229254	229491	229266
610 MM /24 INCH	XT40	—	—	229421	234592	—	—	—
	XT45	—	229396	—	229398	229399	229378	229380
760 MM /30 INCH	XT50	—	—	291205	—	—	—	—
915 MM /36 INCH	XT50	—	—	—	291997	—	—	—

HEAVY DUTY XT DRUM PULLEYS



HEAVY DUTY XT DRUM PULLEYS WITH NO LAGGING

STOCKED IN AUSTRALIA & USA

STOCKED IN THE USA ONLY

DIAMETER	HUB	FACE WIDTH							
		508 MM / 20 INCH	609 MM / 24 INCH	660 MM / 26 INCH	812 MM / 32 INCH	965 MM / 38 INCH	1120 MM / 44 INCH	1300 MM / 51 INCH	1600 MM / 63 INCH
152 mm/6 inch	XT25	231504	231506	231507	231509	231511	231513	231516	231519
200 mm/8 inch	XT25	231528	231532	231534	231537	231543	231545	231549	293301
	XT30	231529	231533	231535	231538	231544	231546	231550	231553
254 mm/10 inch	XT25	231563	231568	231570	231575	231579	231582	231587	231594
	XT30	231564	231569	231571	231576	231580	231583	231588	231595
305 mm/12 inch	XT25	231605	231612	231615	231623	231632	231641	231649	231661
	XT30	231606	231613	231616	231624	231633	231642	231650	231662
	XT35	231607	231614	231617	231625	231634	231643	232628	231663
	XT40	—	—	231618	232626	231635	231644	292696	293389
	XT45	—	—	290188	231627	291524	292111	231715	231729
	XT50	—	—	290246	290862	231703	292167	292751	293447
355 mm/14 inch	XT25	231670	231676	231680	231690	231698	231705	231715	231729
	XT30	231671	231677	231681	231691	231699	231706	231716	231730
	XT35	—	231678	231682	231692	231700	231707	231717	231731
	XT40	231672	—	231683	231693	231701	231708	231718	231732
	XT45	—	231679	290244	231694	231702	231709	231719	293445
	XT50	—	—	290246	290862	231703	292167	292751	293447
406 mm/16 inch	XT25	231746	231755	231758	231771	231784	—	—	—
	XT30	231747	231756	231759	231772	231785	231797	231807	231822
	XT35	231748	229891	231760	231773	231786	231798	231808	231823
	XT40	231749	231757	231761	231774	231787	231799	231809	231824
	XT45	—	—	231762	231775	231788	231800	231810	231825
	XT50	—	—	231763	231776	231789	292233	231811	231826
460 mm/18 inch	XT25	231849	231857	231860	231875	—	—	—	—
	XT30	231850	231858	231861	231876	231892	—	231918	—
	XT35	231851	231859	231862	231877	231893	231905	231919	231939
	XT40	231852	229899	231863	231878	231894	231906	231920	231940
	XT45	—	—	231864	231879	231895	231907	231921	231941
	XT50	—	—	231864	231879	231895	231907	231921	231941
510 mm/20 inch	XT30	231966	231975	231979	231995	232012	232025	232038	232056
	XT35	231968	231976	231980	231996	232013	232026	232039	232057
	XT40	231969	231977	231981	231997	232014	232027	232040	232058
610 mm/24 inch	XT40	232103	232113	232117	232131	232147	232162	232179	232204
	XT45	232104	229915	232118	232132	232148	232163	2322180	232205
760 mm/30 inch	XT50	232256	232266	290566	232276	232287	232299	232314	232331
915 mm/36 inch	XT50	232376	232386	290650	291243	291955	232390	232398	232407

XT WING PULLEYS



STOCKED IN NEW ZEALAND

STOCKED IN AUSTRALIA & USA

STOCKED IN THE USA ONLY

HEAVY DUTY XT WING PULLEYS

DIAMETER	HUB	FACE WIDTH						
		508 MM / 20 INCH	660 MM / 26 INCH	812 MM / 32 INCH	965 MM / 38 INCH	1120 MM / 44 INCH	1300 MM / 51 INCH	1600 MM / 63 INCH
200 mm/8 inch	XT25	219593	219597	219601	219604	219605	219607	219609
254 mm/10 inch	XT25	209069	219072	225127	219080	219087	219092	219097
	XT30	—	219073	219077	219081	219088	219093	219098
305 mm/12 inch	XT25	219110	219116	225128	234116	219135	219144	219152
	XT30	219111	219117	219123	219129	219136	219145	219153
	XT35	—	—	—	219131	219138	219649	219155
355 mm/14 inch	XT25	219169	219175	225129	219187	219197	225130	219210
	XT30	219170	219176	219180	219188	219198	219202	219211
	XT35	—	—	—	219189	219200	219204	219213
406 mm/16 inch	XT25	219228	219233	219243	219252	—	219272	219284
	XT30	219229	219234	219244	219253	219265	219273	219285
	XT40	—	219236	219245	219255	219267	219275	219287
460 mm/18 inch	XT30	219303	219309	219321	219333	219347	219358	219369
	XT40	—	219311	219323	219335	219349	219360	219371
	XT50	—	—	—	219337	219351	225212	219373
510 mm/20 inch	XT35	219388	219395	219402	219409	219423	219436	219451
	XT40	—	219397	219404	219411	219425	219438	219453
610 mm/24 inch	XT40	—	219473	219480	219491	219499	219510	219521
	XT50	—	—	—	219493	219501	219512	219523
760 mm/30 inch	XT40	298723	—	219542	219545	219549	219557	219917

XT BUSHINGS

STOCK PART NUMBERS FOR COMMON SHAFT SIZES

BUSHING SIZE	PART NUMBER	BUSHING BORE
XT25	226905	1 Pilot Bore
	226955	40MM
	226947	50MM
	226956	60MM
	226811	65MM
XT30	226906	1-3/8 Pilot Bore
	226954	40MM
	226952	50MM
	225702	60MM
	226957	65MM
	226936	70MM
	226813	75MM
XT35	226907	1-7/8 Pilot Bore
	226958	60MM
	226946	65MM
	226953	75MM
	226937	80MM
	226938	90MM
XT40	226908	1-15/16 Pilot Bore
	226944	65MM
	226939	70MM
	226945	75MM
	226940	90MM
XT45	226814	100MM
	226909	1-15/16 Pilot Bore
	226950	90MM
	226951	100MM
XT50	226910	2-7/16 Pilot Bore
	226960	100MM
	226948	115MM
	226816	120MM
	226949	125MM

Additional bore sizes available on request



ASSEMBLY SERVICES AVAILABLE

- Pulleys assembled with shaft and Dodge® ISN bearings
- Stocked components assembled in 5 to 7 days

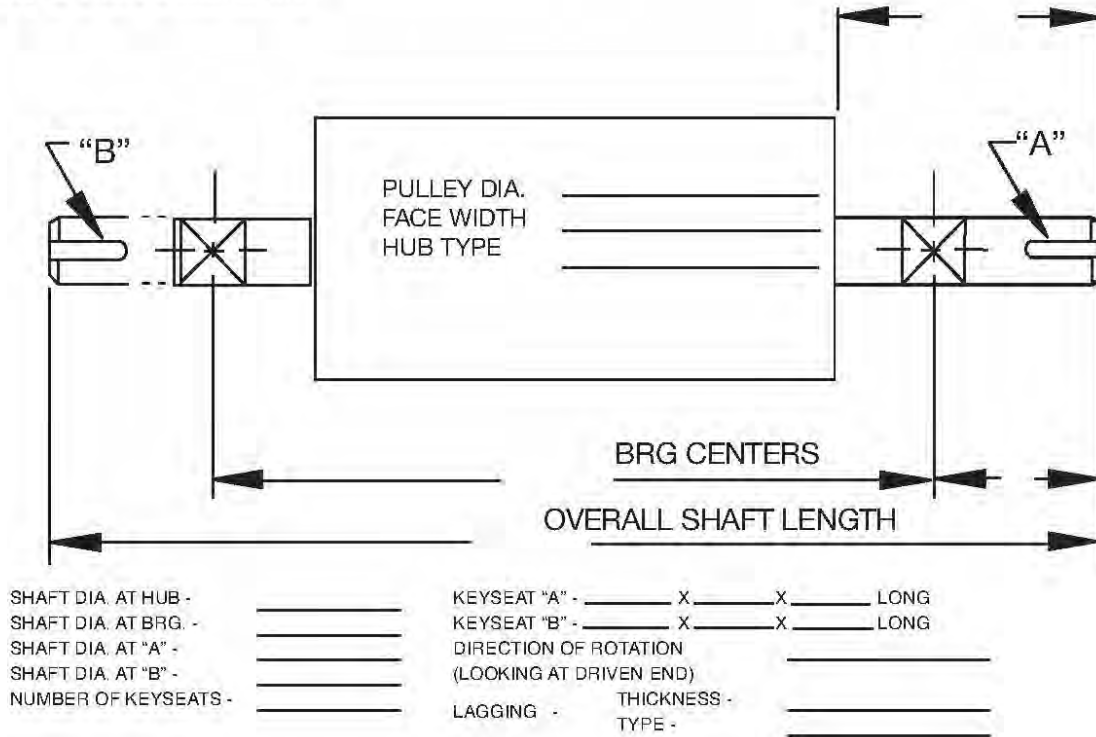


How To Order

Pulley Assemblies

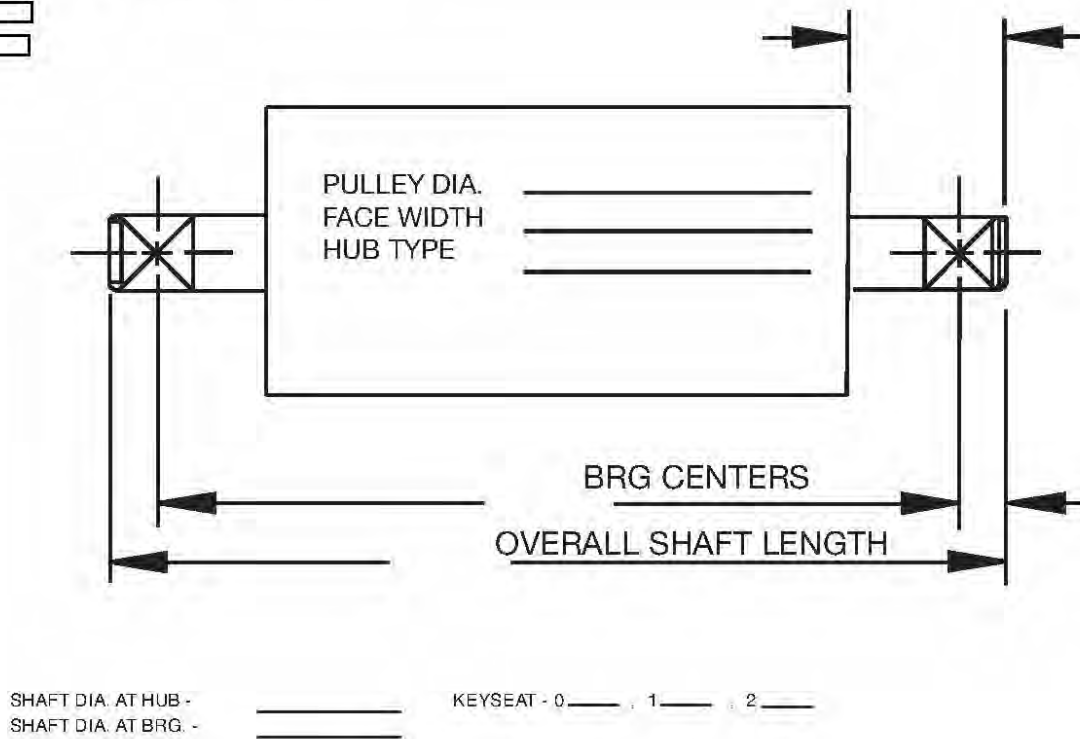
To order shafting, please copy and complete the sketches shown below.

Drive Pulley & Shaft Dimensions



Non-Drive Pulley & Shaft Dimensions

DRUM -
 WING -



TORQUE-ARM II

Shaft Mount Gear Reducer

Torque-Arm II shaft mount reducers deliver a longer life in demanding applications. Torque-Arm II is designed with a patented harsh-duty sealing system, twin-tapered bushings, and the highest torque rating per case size. It provides maximum reliability with less maintenance to increase operating time and lower your total cost of ownership.

Why Torque-Arm II?

EASY TO USE

- Flexible mounting to minimize inventory including shaft mount, flange mount, and screw conveyor drives
- Features twin-tapered bushing system that makes installation and removal quick and easy

ATEX CERTIFIED

Environments that are mildly explosive become safer with use of ATEX certified reducers.



AVAILABILITY

- Available in 12 case sizes up to 400 Hp (300 kW)
- Torque ratings through 500,000 lb-in (56,500 Nm)
- Accommodates shaft sizes up to 7 in (160 mm)
- Warranty coverage is 36 months from date of manufacture or 18 months in service

SAFETY FIRST WITH INBOARD SHAFT GUARD

Dodge safety bushing covers are made from a heavy-duty ABS polymer. It covers the shaft between the gearbox and bearing. They are available individually or as a kit. It's trimmable to 1 in increments and adjustable to 1/4 in to fine tune.



NEW TA II SAFETY BELT GUARD

Designed to protect workers from rotating equipment, the Dodge Torque-Arm II belt guard has been enhanced with features that increase safety and reduce operating costs. Maintenance crews can now easily inspect v-belts mounted in the most common mounting positions, while following MSHA/ OSHA regulations.

TORQUE-ARM II

Shaft Mount Gear Reducer accessories

BELT GUARD PACKAGE

Allows for multiple height adjustments, featuring a lift-off cover construction.

MOTOR MOUNT

Provides stable mounting between motor and reducer to minimize overhung load and withstand heavy shock loading.

TWIN TAPERED BUSHING

Easy on, easy off assembly providing reliable support on both sides of reducer. Available for shorter shafts when replacing a single-bushed or straight-bore reducer.



BACKSTOP

Safety feature that prevents reverse rotation when system stops. Compatible with standard and EP lubricants without requiring external lubrication.



TIE ROD KIT

Provides a safety link between reducer and structure to prevent system rotation. Standard rods and turnbuckles are now zinc coated for corrosion resistance.

SCREW CONVEYOR DRIVE PACKAGE

Torque-Arm II uses a CEMA screw conveyor adapter.

It's available with multiple diameter driveshafts to match CEMA screw dimensions.



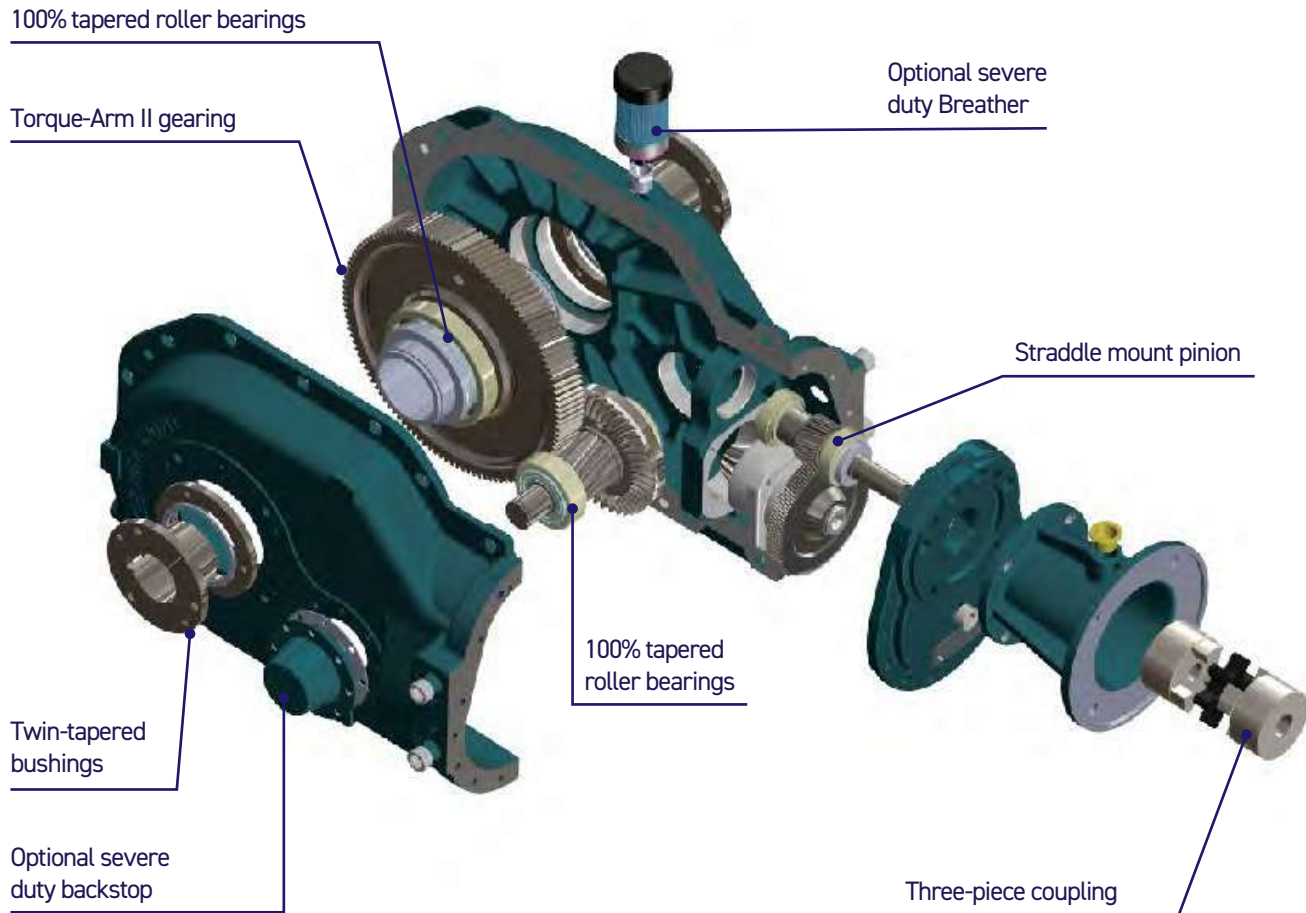
HYDRA-LOCK BREATHER

To be used in humid or dusty environments, this optional breather's check valve system prevents ambient conditions and improves positive maintenance practices.



MOTORIZED TORQUE-ARM II

Shaft Mount Gear Reducer



The Motorized Torque Arm II (MTA) is easy to install and built to last. It is a right angle, beltless direct-drive solution. This heavy-duty gear reducer is designed to deliver industry-leading performance in some of the most demanding applications.

The MTA features the patented twin-tapered bushing system that makes installation and removal easy. This system is available in standard and short-shaft systems and both guarantee maximum torque transmission.

Engineered for reliability, the MTA has patented, premium-sealing systems that provide maximum uptime with less maintenance. This product is also ATEX certified and complies with Category 2 and M2 equipment, which is intended for use in potentially explosive atmospheres.

MTA FEATURES

- Compact space-saving design
- Rugged and case-carburized helical bevel gearing
- Heavy-duty tapered roller bearings throughout
- Harsh-duty lip seals for extended wear and -40°C to +150°C (-40°F to +300°F) temperature ranges
- Metal excluder shield-sealing system with rubber contact lip
- Standard IEC B5 flange adapter or NEMA C-face motors
- Available in seven sizes from 1.5 kW to 75 kW (3 hp to 100 hp)
- All tapered roller bearings

ISN SPHERICAL ROLLER BEARINGS

Bearings

Easy installation and removal

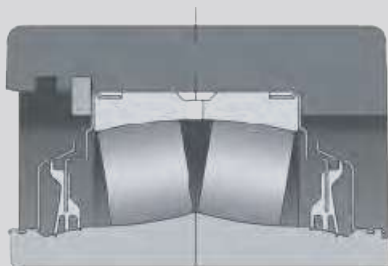
Dodge ISN mounted spherical roller bearings feature a patented integral adapter mounting and removal system that makes this bearing easy to install and remove with no shaft damage. The ISN arrives in one piece and is out-of-the-box ready to install.

BENEFITS

- Factory sealed and greased
- Patented sealing for extended life
- Full concentric on the shaft
- Interchangeable with SN dimensioned housing
- Expansion capability

PRODUCT OFFERING

- Cast iron two-bolt plummer block bore sizes, 30mm to 140 mm
- Ductile iron four-bolt plummer block bore sizes, 150mm to 170mm



TRIDENT SEAL

- Extremely effective for dirty environments, low to medium speeds, and normal ambient conditions
- Patented nitrile triple-lip rubbing seal
- Low coefficient of friction
- Seal land maintains full seal contact even when misaligned



LABYRINTH SEAL

- Corrosion-resistant flingers
- Steel clearance seals
- Ideal for higher speeds and higher operating temperatures

DODGE RAPTOR COUPLING FLEXIBLE ELEMENT



1. NATURAL RUBBER WINGLOCK™ ELEMENT

- Finite-Element optimised flexible design, featuring WingLock technology
- Higher bond strength, improved fatigue resistance, and documented longer life
- Industry leading misalignment capabilities
- Torque range up to 38,438 Nm

2. EASIER INSTALLATION & REDUCED MAINTENANCE

- Slotted clamp ring holes offer 187% more hardware clearance
- Split element for easy replacement
- Drop-in interchange without any modifications or additional materials
- Maintenance free element

3. LONGER DRIVEN EQUIPMENT LIFE

- Rigorously tested to 10x DIN 741 coupling standards
- Significantly lower torsional and bending stiffness
- Up to 16.7x increase in connected L10 bearing life
- ISO class 10.9 hardware offers a 40% increase in proof strength

4. FLEXIBLE MOUNTING OPTIONS

- Close-coupled and spacer designs for a wide range of shaft gaps
- Interchangeable hubs for reduced inventory
- Finished bore hubs with setscrew locking for easy installation
- Taper-Lock bushed hubs for clean, compact installation
- Bores up to 229 mm

OUR LOCATIONS

CN 1819



• AUCKLAND

Head Office & Branch
67 Lady Ruby Drive, East Tamaki,
Auckland 2013
P: (09) 274 0056
nz-auckland@appliednz.com

• LOWER HUTT

22 Waione Street, Lower Hutt,
Wellington 5012
P: (04) 569 3159
nz-wellington@appliednz.com

• DUNEDIN

4-6 McBride Street, Dunedin 9012
P: (03) 455 5652
nz-dunedin@appliednz.com

• CHRISTCHURCH

Unit 8, 303 Blenheim Road
Upper Riccarton, Christchurch 8041
P: (03) 341 6537
nz-christchurch@appliednz.com

• NEW PLYMOUTH

Unit 1, 37 Hurlstone Drive
Waiwhakaiho, New Plymouth 4312
P: (06) 769 5152
nz-newplymouth@appliednz.com

• PALMERSTON NORTH

601D Tremaine Avenue
Palmerston North 4410
P: (06) 356 9145
nz-palmerstonnorth@appliednz.com

• HASTINGS

1206 Omahu Road, Hastings 4175
P: (06) 879 4362
nz-hastings@appliednz.com

• ROTORUA

45 White Street, Fenton Park,
Rotorua 3010
P: (07) 349 2451
nz-rotorua@appliednz.com



SCAN THE QR CODE & CONNECT WITH US



Follow us



Join Our Network



Become A Fan



VISIT APPLIEDNZ.CO.NZ

Contact an Applied® representative today!