

Service for every need

As an OEM or railway operator you are looking for perfect service partners who can offer a comprehensive service. A good service is customized, complete and above all, trustworthy. Therefore, rely on IGW, a global leader in railway drive systems since 1993 and an ideal partner who offers you a range of services for railway drive systems, couplings and complete wheelsets.

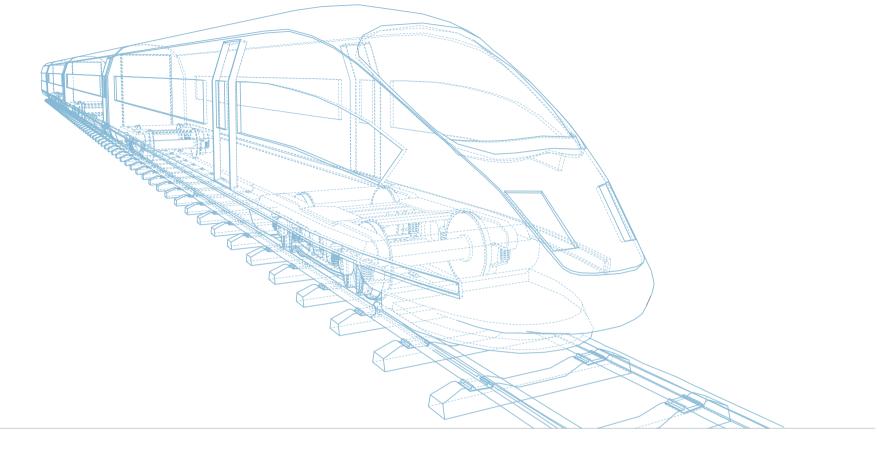
AFTERMARKET RAIL

REPAIR, MAINTENANCE & OVERHAULS

SPARE PART SUPPLY

for gearboxes, couplings & complete wheelsets

for gearboxes & couplings



RE-ENGINEERING

ASSEMBLY AND TEST

TRAINING

ADDITIONAL ACTIVITIES

of gearboxes & couplings

for service intervals and main overhaul of your Spare couplings, RFU parts, re-ratio-projects.... gearboxes & couplings

01 REPAIR, MAINTENANCE AND OVERHAUL

We are available for any possible aftermarket activities to be executed on gearboxes made by us or other companies. Even overhaul of complete wheelsets lies within our capabilities which will make your life as customer easier. Below you can find more in detail what we can do for you:

- Support on site main overhauls as well as service and maintenance

- Support overhaul and repair in our facilities and service centres
 Provide service contracts over the total gearbox lifetime
 Provide customized test requirements
 Provide expertise reporting after trouble shooting
 Embed our cooperation of universities and specialized investigation lab's in case deeper analyses are needed

BEFORE



AFTER





02 SPARE PART SUPPLY

We can deliver spare parts of all kinds for rail gearbox applications, being:

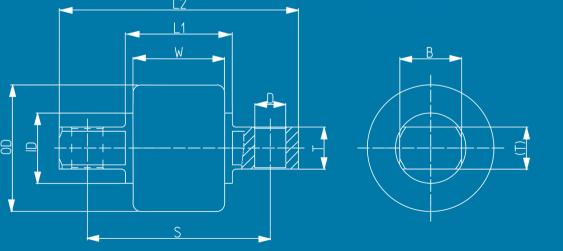
- Cases (housings)
- Labyrinths,Covers,

- Bearings,Bearing bushes,Fasteners, etc...
- We develop several components in house

Spherolastic bearings

Spherolager dimensions		Shaft	dimen	Stiffness		
OD [mm]	W [mm]	S [mm]	T [mm]	L2 [mm]	RADIAL	
70	48	110	30	150	70 ± 15%	
80	65	120	30	160	115 ± 15%	
90	65	120	30	156	80 ± 15%	
90	65	130	30	170	85 ± 15%	
90	65	152	30	190	85 ± 15%	
110	80	150	42	200	150 ± 15%	





Tappered roller bearings

Verified in operation	
since 2010 - some of	
our references	

Caracas Metro Line 1 CAF	486
Shanghai Metro Lines 11 & 13 Siemens	112
Hyderabad Metro Phase I Hyundai Rotem	456
Dongguan Metro Line 2 NPRT	610
Ankara Metro Lines 1, 2 & 3 CRRC ZELC	344
Wellington Matangi EMU Hyundai Rotem	797
Electric Train Service KTM Class 93 CRRC ZELC	160
Hong Kong Shatin to Central Link Phase II Hyundai Rotem	888
Changsha Metro Line 1 CRRC ZELC	800
São Paulo Commuter EMU Hyundai Rotem	630
Guangzhou Metro Line 7 / Zhengzhou Metro Line 2 CRRC ZELC	324
Salvador Metro Lines 1 & 2 Hyundai Rotem	400
Guangzhou Metro Line 9 CRRC ZELC	355
Izmir Metro CRRC Tangshan	698
KVMRT SSP Line (Malaysia) Hyundai Rotem	256
JPJ 15 Skoda	372
Singapore SMRT	720

Total number of delivered tappered roller bearings

13.500

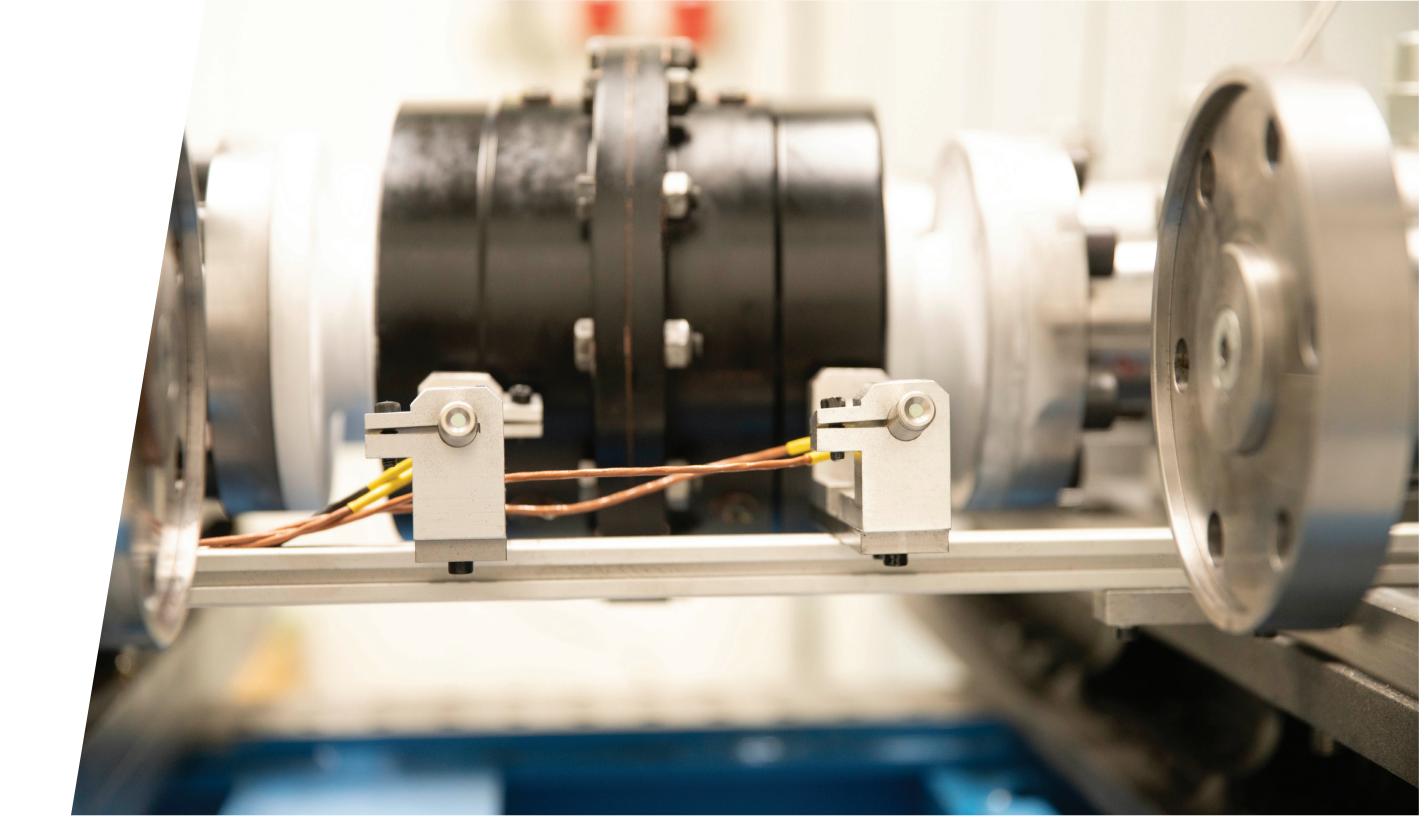




03 RE-ENGINEERING

We have the ability to reengineer any gearboxes or couplings in order to refurbish your running fleet, help with trouble shooting or prepare repair actions.

During the reengineering you can count on us that we will always design and improve the gearbox design based upon the build in space and your technical specifications.



04 ASSEMBLY AND TEST TRAINING

Assembly and test training for service intervals and main overhaul can be provided to customers. Mostly the by IGW foreseen maintenance manual is the guide line.

If needed, we can always supply special instruction manuals and/or power point presentations. After commercial agreement, we can arrange the training in other languages than English.

05 ADDITIONAL AFTERMARKET ACTIVITIES

- We can supply our IGW couplings replacing existing couplings from IGW or from other suppliers.
- Our RFU parts can be Implemented (i.e. bearings, rubber –metal elements)
- We can lead your re-ratio –projects: as old rolling stock sometimes need an upgrade and you will need to use another motor, we will be able to help implementing a new gear -ratio in an existing gearbox.
- Providing field tests and condition monitoring lies within our possibilities
- We can supply test benches for routine tests
- We can manage your consignment stock agreements



A proven track record

For many years, we are providing drive solutions to the railway industry and are a trustworthy partner, who can offer you everything you need for service. So far, we have manufactured more than 100,000 gearboxes for more than 300 projects and did more than 5,500 overhauls globally. Many industry-leading customers have placed their trust in our expertise, service, state-of-the-art capabilities and the quality of our products.

Project	Year	Quantity	Project	Year	Quantity
Oslo Gardermoen Airport Express	2003~2007	225	Guangzhou Line 3 Overhaul	2017	668
CHE 790 (Sleeper Cars)	2012~2013	800	Beijing Line 2 Overhaul	2017	66
Criz 130 (Siceper Curs)	2016~2020	800	Guangzhou Line 2&8 Overhaul	2018	432
CRH 796 (Sleeper Cars)	2013~2014	800	Beijing Line 2 Overhaul	2018	93
CRH 797 (Sleeper Cars)	2014~2017	400	Beijing Line 2 Overhaul	2019	81
Locomotive ER20CF Lithuania	2014~2016~2021	556	Shenzhen Line 1 Overhaul	2020	448
CRH 799 (Sleeper Cars)	2015~2016	800	Beijing Line 2 Overhaul	2020	50
Paris Nouvelle Automotrice Transilien	2014~2015	14	Non-IGW (VAR200) Overhaul	2020	8
London Sub Surface Lines	2014~2015	66	Seattle/Phoenix gearbox overhaul	2020~2021	300
TCDD E68000 Locomotives	2015	25	Ukraine EMU High speed	2016~2018	272
London Victoria Line ext.	2014~2016	60	Intercity Express EMU (queensland)	2015~2016	240
Combino/Aventra Tram	2015	72	Bremen Regio-S-Bahn	2016~2022	8 + opt.236
Jakarta EMU	2016~2020	80	Seattle Central Link	2015~2016	300
Non-IGW (FLIRT SZH595)	2017~2020	16	Bangkok Desiro Airport Rail Link	2018~2020	96
Non-IGW (Marseille)	2017~2020	108			

In good company

We are a brand of the BMT Group, an industrial, family-owned holding company, with various global market leaders among its subsidiary companies (e.g. BMT Aerospace, VCST & OMCO). The shared know-how within the BMT Group and our commitment to innovation makes us a powerful force in the gear system market.

www.igwpower.com



Our plants for the business line rail

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