



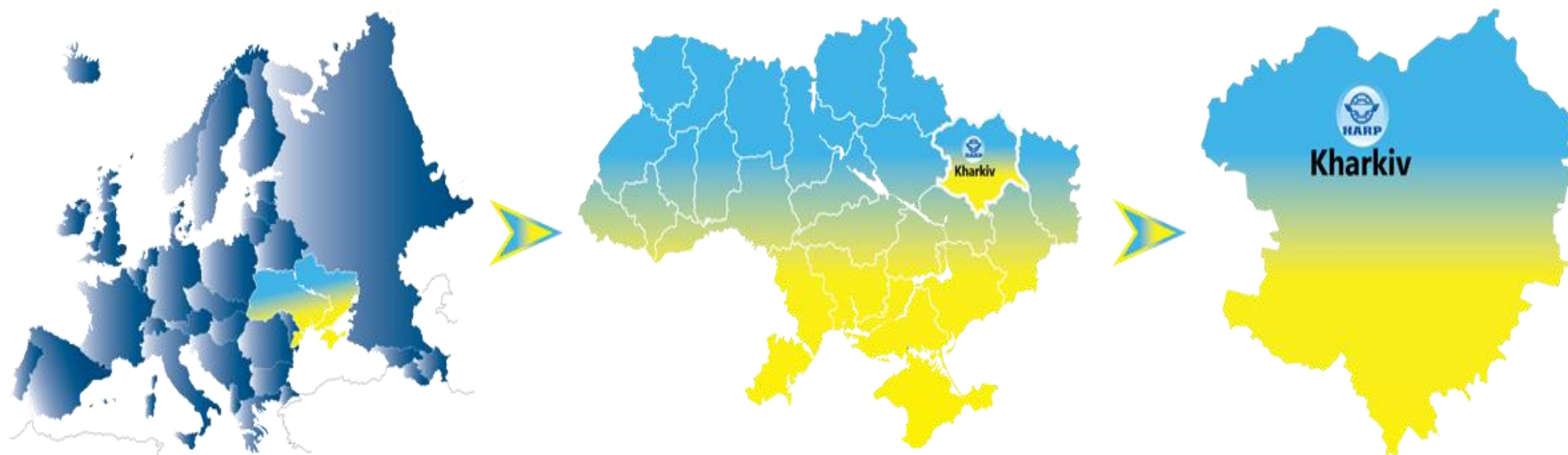
**PROVEN
SOLUTIONS
FOR YOU!**

Kharkov Bearing Plant

CYLINDRICAL ROLLER BEARINGS FOR ROLLING STOCK



Kharkov Bearing Plant HARP is one of the biggest manufacturers of the bearing products in the CIS.



Year of foundation – 1947

Area – 45,56 ha

Number of employees — over 2 000

OVERVIEW



■ SPECIALIZATION:

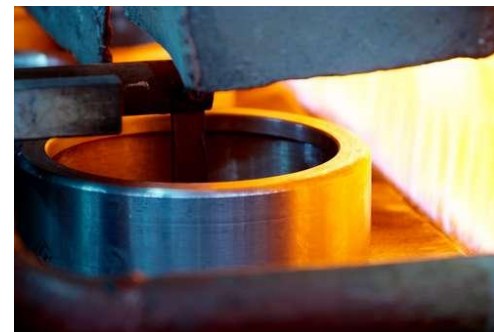
ball and roller bearings
semi-finished bearing parts

■ PRODUCT RANGE:

More than 500 types of bearings
with outer diameter from 30 to
400 mm

■ **TRADEMARKS:** HARP,
HARP AGRO, HARP AUTO,
HARP AGRO UNIT, X-SHIELD

■ **APPLICATION:** agricultural,
automotive, metallurgical, railway
industries.



[MORE](#)

QUALITY SYSTEM



ISO 9001
ISO/TS 16949
ISO 14001

ISO 492
GOST 520
DSTU 8734:2017

EN 12080:2017
EN 12082:2017
(TSI)



CERTIFICATE

This is to certify that

PRIVATE JOINT-STOCK COMPANY
«KHARKIV BEARING PLANT»
(PJSC «HARP»)

3, Industriálna Ave,
Kharkiv, 61089
Ukraine

has implemented and maintains a Quality Management System.

Scope:
Design and manufacturing of ball and rolling bearings and its parts

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.: 3110463 DM15
Valid from: 2016-10-29
Valid until: 2021-10-29
Date of certification: 2016-10-29

DQS GmbH

Managing Director

Managing Director

Approved Body: DQS GmbH, August-Straße 21, 69469 Frankfurt am Main, Germany
Accreditation: DIN EN ISO 9001, Registration No. 1, 10001, Tübingen, Baden-Württemberg



CERTIFICATE

This is to certify that

PRIVATE JOINT-STOCK COMPANY
«KHARKIV BEARING PLANT»
(PJSC «HARP»)

3, Industriálna Ave,
Kharkiv, 61089
Ukraine

has implemented and maintains an Environmental Management System.

Scope:
Design and manufacturing of ball and rolling bearings and its parts

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 14001 : 2015

Certificate registration no.: 3110463 DM15
Valid from: 2016-10-14
Valid until: 2021-10-13
Date of certification: 2016-10-14

DQS GmbH

Managing Director

Managing Director

Approved Body: DQS GmbH, August-Straße 21, 69469 Frankfurt am Main, Germany
Accreditation: DIN EN ISO 14001, Registration No. 1, 10001, Tübingen, Baden-Württemberg



CERTIFICATE

This is to certify that

PRIVATE JOINT-STOCK COMPANY
«KHARKIV BEARING PLANT»
(PJSC «HARP»)

3, Industriálna Ave,
Kharkiv, 61089
Ukraine

has implemented and maintains a Quality Management System.

Scope:
Design and manufacturing of ball and rolling bearings and its parts

An audit, conducted and documented in a report, has verified that the quality management system fulfills the requirements of the following International Automotive Standard:

IATF 16949:2016

(auto product design)

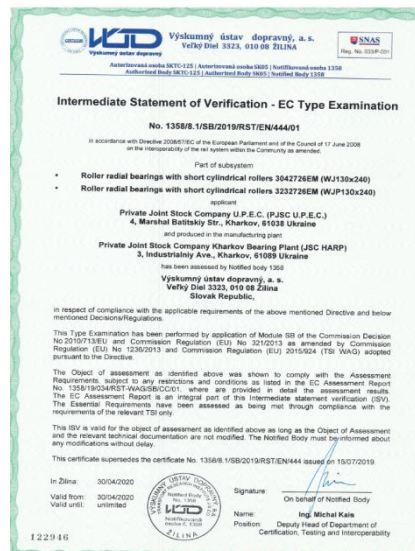
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RAILWAY SEGMENT - APPLICATION

HARP is one of the largest CIS manufacturers of bearing products and the only Ukrainian manufacturer of bearings for railway transport of “1520 space”. Bearings are distinguished by an increased overhaul life (800 000 – 1 000 000 km), optimized profile, microgeometry and heat treatment. Among our customers are Ukrainian National Railways (Ukrzaliznitsya) and leading wagon-building companies of the CIS.

- Axleboxes of freight cars
- Axleboxes of locomotives
- Traction motors and generators of locomotives
- Underground and tram cars

Gauge width:

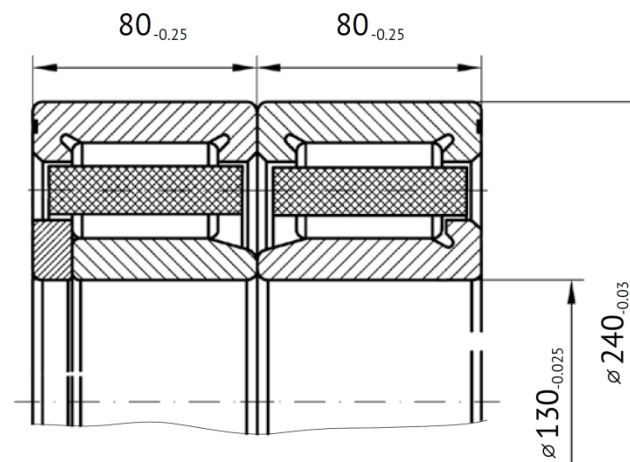
- 1520 mm
- 1435 mm



OFFER FOR RAILWAYS

Cylindrical roller bearings for axleboxes of freight and passenger cars operating on gauge of 1435 mm

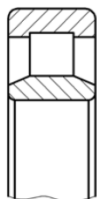
Designation	GOST	3042726EM and 3232726EM	42724EM1 and 232724EM1
	DIN	(WJ/WJP 130x240)	(WJ/WJP 120x240)
Dimensions (d x D x B/C), mm		130 x 240 x 80	120 x 240 x 80
Weight, kg		14.8	15.7
Load, kN	Dynamic, kN	540	540
	Static, kN	780	780
Radial clearance, mm		min 0.130 max 0.180	min 0.130 max 0.180
Application		Axle boxes of freight and passengers cars	Axle boxes of freight and passengers cars



WJ/WJP 130x240

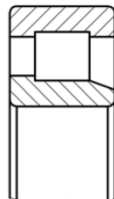
OFFER FOR RAILWAYS

Fig. 1



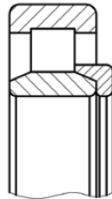
NU
(32000)

Fig. 2



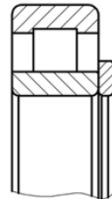
NJ
(42000)

Fig. 3



NU+H
(52000)

Fig. 4



NU+HJ
(152000)

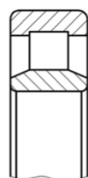
Cylindrical roller bearings for locomotives

Bearing designation		Overall dimensions, mm			Weight, kg	Load, kN		Maximum rotational speed, RPM	Application	Fig. No.
GOST	International designations	d	D	B/C(S)		dynamic	static			
30-32630/ЛМ	NU2330-E-M1	150	320	108	43.2	1090	980	1700	Diesel locomotive and tender axle boxes	1
30-42630/ЛМ	NJ2330-E-M1	150	320	108	44.6	1090	980	1700		2
30-52630/ЛМ	NU2330M+HJ2330	150	320	123/108	46.2	1090	980	1700		3
30-32532ЕМ	NJ2232-E-TVP2	160	290	80	22.4	809	957	1800	Diesel locomotive and electric locomotive axleboxes	1
30-152532ЕМ	NJ2232P+PLC810-1	160	290	94/80	23.93	809	957	1800		4
30-32532Л1М	NJ2232-E-M1	160	290	80	24.5	809	957	1800		1
30-152532Л1М	NJ2232MAS+PLC810-1	160	290	94/80	26	809	957	1800	Electric locomotive axleboxes	4
30-42532Л1М	NJ2232-E-M1	160	290	80	25	809	957	1800		2
30-42536ЕМ	NJ2236-E-TVP2	180	320	86	28.9	1010	1094	1600		3
30-52536ЕМ	NJ2236TN+ NJ2236	180	320	98/86	30.3	1010	1094	1600		4
30-152536ЕМ	NJ2236P+PLC810-1	180	320	100/86	30.63	1010	1094	1700		2
30-42536ЛМ	NJ2236-E-M1	180	320	86	31.8	1010	1094	1600		3
30-52536ЛМ	NJ2236M+HJ2236	180	320	98/86	33.1	1010	1094	1600		4
30-152536ЛМ	NJ2236MAS+PLC810-1	180	320	100/86	33	1010	1094	1600		4
30-152536ЛМ/У 30М1-152536ЛМ/У 30М2-152536ЛМ/У 30М3-152536ЛМ/У 30М4-152536ЛМ/У	NJ2236MASC4+PLC810	180	320	100/86	33.4	1010	1094	1700	Diesel locomotive axleboxes	1
30-32732ЛМ	NJ160x320x108M	160	320	108	41.7	1090	1211	1800		3
30-52732ЛМ	NJ160x320x108M+HJ732	160	320	123/108	44.6	1090	1211	1800		2
30-42836ЛМ/У 30М1-42836ЛМ/У 30М2-42836ЛМ/У 30М3-42836ЛМ/У 30М4-42836ЛМ/У	NJ2236MASC4	180	320	90/86	31.8	1010	1094	1700	Electric locomotive axleboxes	

OFFER FOR RAILWAYS

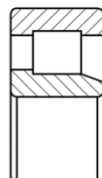


Fig. 1



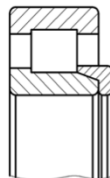
NU
(32000)

Fig. 2



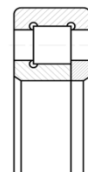
NJ
(42000)

Fig. 3



NJ+HJ
(62000)

Fig. 4



NUP
(92000)

Cylindrical roller bearings for traction motors

Bearing designation		Overall dimensions, mm			Weight, kg	Load, kN		Maximum rotational speed, RPM	Application	Fig. No.
GOST	International designations	d	D	B/C(S)		dynamic	static			
H0-62417K1M	NJ417M+HJ417	85	210	66/52	10.6	332	351	3600	EDT-200B traction motor for TE-2, TE-3, TEM-1 diesel locomotives	3
H0-92417K2M	NUP417-JP3	85	210	52	10.5	332	351	3600	ED-118 ED-107A, ED-118 traction motors for TE10, M62, TE-116, TEM-2 locomotives	4
80-32417M	NU417-M1.C4	85	210	52	10.4	332	351	3600	Electric traction motors	1
H0-32419M	NU419-M1	95	240	55	13.5	419	443	3200	Traction motors for types RT-113A, RT-51M, 1DT003 electric locomotives	
80-32322M	NU322-E-M1.C4	110	240	50	12.3	401	467	3000	Anchor bearing for triple traction converter	
H0-32424M	NU424-M1	120	310	72	29.2	695	805	1900	TE-006 traction motors for ChME3-type diesel locomotives	
H0-42428M	NU428-M1	140	360	82	48.8	905	1046	1700	NB-406B, TL-3, TL-2K1, NB-412K traction motors for electric locomotives VL-8, VL-10, VL-15, VL-60, all indices	2
H0-32330EM	NU330-E-M1	150	320	65	24.3	675	777	2300	ED-118A-type traction motors for all indices of locomotives of 2TE10, 2TE16 and 2M62 series	1
H0-32330MY1	NU330-E-M1	150	320	65	26.8	675	777	2300		2
H0-42330EM	NU330T-E-M1	150	320	65	24.67	675	777	2300	NB-418K6 type traction motors for VL-80 series electric locomotives, all indices	
H0-42330L1M	NU330-E-M1	150	320	65	26.96	675	777	2300		
80-32134M1	NU1034-M1.C4	170	260	42	8.24	302	434	2200	Traction motors for ChS4, ChS4T electric locomotives	1
80-32140L4	NU1040-M1.C4	200	310	51	15	430	626	1900	Traction gear boxes for ER series electric locomotives, ER series traction electric motors, traction gear box for E, 81-717, 81-714 type underground trains	
80-92140L3M	NUP1040-M1.C4	200	310	51/39.5	15.8	430	626	1900	Traction gear box for ER series electric locomotives	4
80-32152LM	NU1052-E-M1	260	400	65	29.16	627	1070	1800	Traction gear box for ER2R, ER2T, ED2T, ED9 all indices, E12 series electric locomotives	1
80-92152LM	NUP1052-M1.C4	260	400	65/52.5	30.6	627	1070	1800		4
30-42822E2M	WJ 110x215x75-M1	110	215	76	11.89	433	431	2600	Underground railway cars	
30-232822E1M	WJP 110x215-PM1	110	215	76	11.85	433	431	2600		

SALES GEOGRAPHY



Ukraine, Russia, Kazakhstan, Belarus, Georgia, Azerbaijan, Uzbekistan, Poland, Romania, Serbia, Lithuania, Latvia, Estonia, Turkey



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LOOKING FORWARD TO COOPERATION!