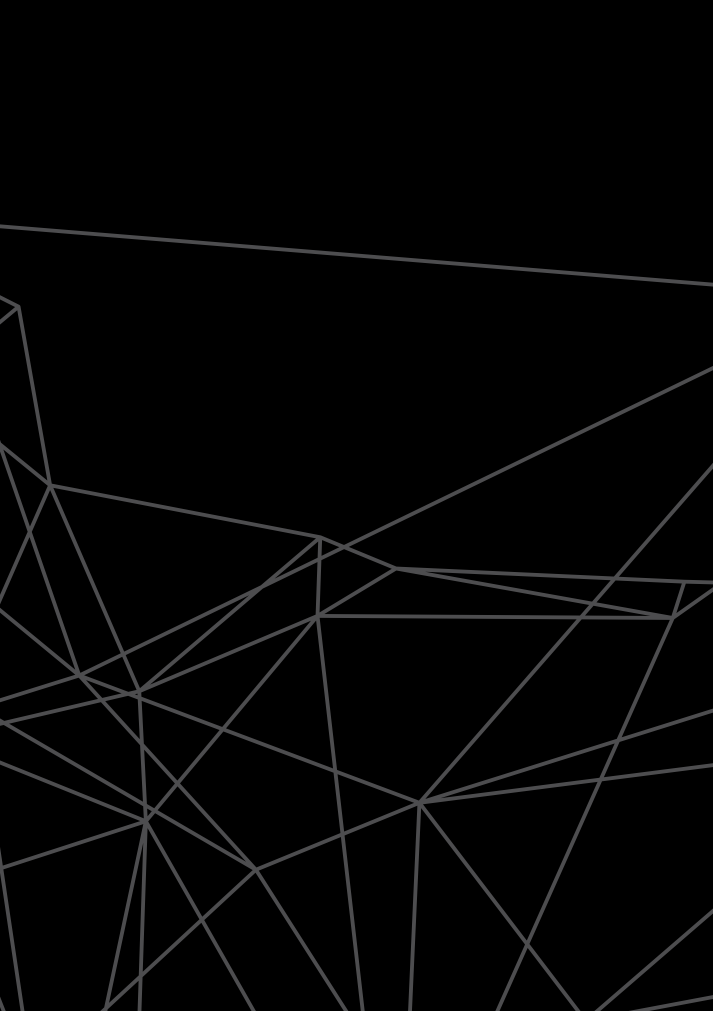
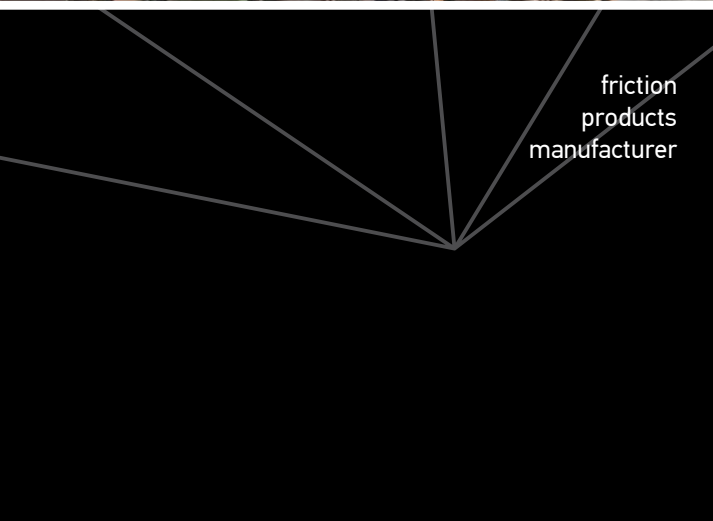
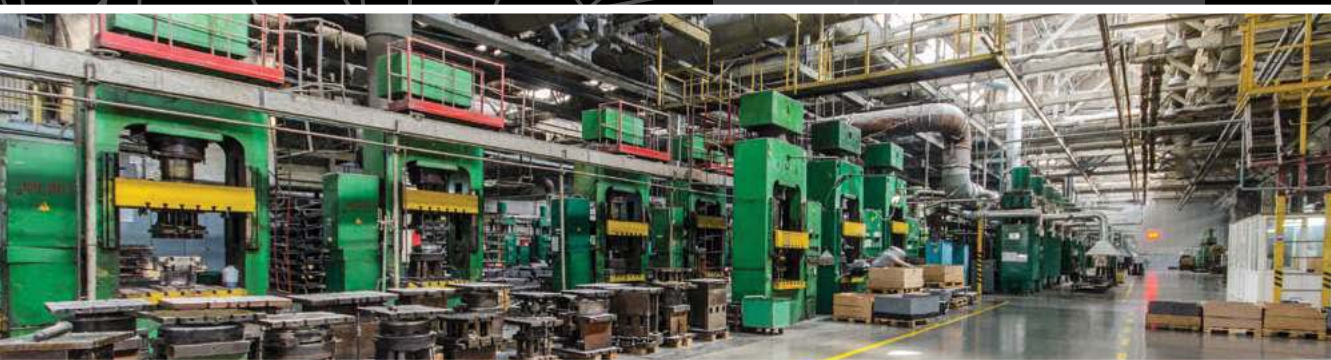




Tribo



friction
products
manufacturer

CATALOGUE



Tribo is a steadily growing group of companies, founded in **1979**.
Tribo is the largest manufacturer of friction products in the **East European region**.

Tribo produces more than **800** different products for such industrial groups as **railway transport, commercial vehicles, agricultural, industrial and special equipment**.

The coordinated work and development of the company are provided by subsidiaries:

Tribo Tools (metal working and mold production)

Tribo R&D (friction products development and testing)

Tribo Rail UK (friction products for the European market)



There is a modern testing laboratory located at Tribo, which makes it possible to perform quality control and develop the new products.

Tribo production meets the following quality standards:

ISO 9001:2015
 ISO 14001:2015
 IATF 16949:2016
 ECE R90

OUR CLIENTS:





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SINCE 1979
WE HAVE
PRODUCED
136 000 000
BRAKE SHOES FOR
FREIGHT CARS

RAILWAY PRODUCTS



- 

LONG TERM OF OPERATION
more than 200 000 Km
- 

STABLE FRICTION COEFFICIENT
at a wide range of speeds
- 

CONFORMITY CERTIFICATE
with vehicle requirements
- 

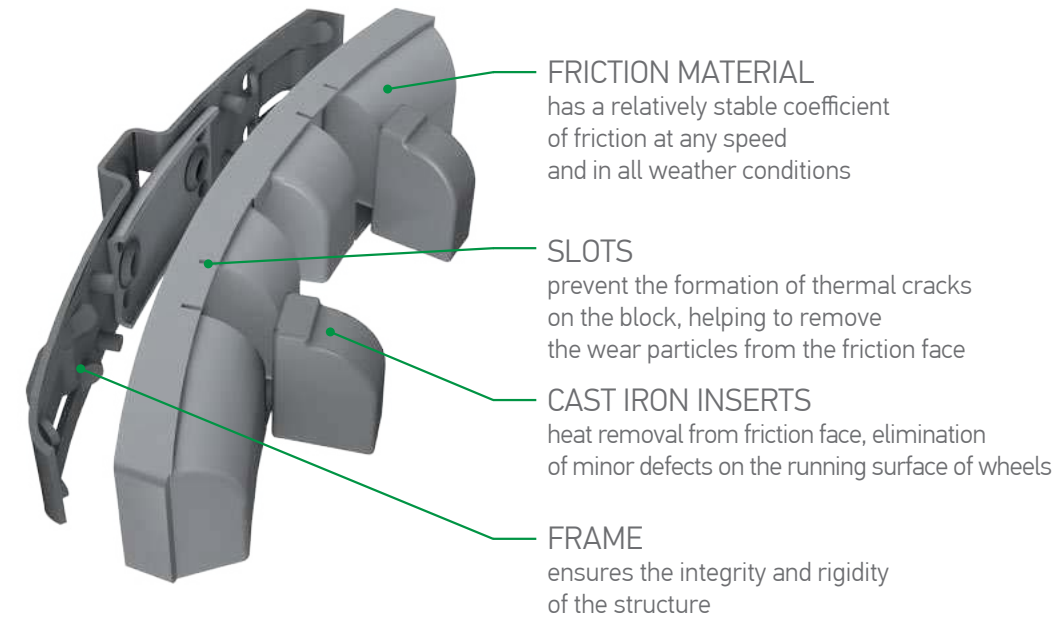
SYSTEMATIC QUALITY CONTROL

BRAKE SHOE 2TP-155
with cast iron inserts



TECHNOLOGICAL FEATURES

It is used as a replacement for cast-iron type “C” shoes. It has high and more stable friction coefficient in comparison with cast iron shoes. This makes it possible to use relatively low clamping force on the shoe to create the desired braking torque.



BRAKE PADS

IMAGE	NAME	LENGTH (L)	THICKNESS (H)	WIDTH (W)	R (in)	TYPICAL APPLICATIONS
	25610-H	330	65	80	510	 Freight cars
	2TP-11	330	55	80	510	
	2TP-11-01 (Y)	330	65	80	510	
	2TP-155	400	60	80	475	 Passenger cars
	2TP-156	400	60	80	525	 Rolling stock
	2TP-156-01	400	58	80	430/475	 Passenger cars
	2TP-172	340	46	146	625/680	 Locomotives
	139BS	310	50	85	540	 Locomotives
	UIC 250	250	50-60	80	400/525	 Cairo Metro, SNCF, NM02 Metro (Pass.)
	UIC 320	320	50-60	85	390/480	 Iran State Railways, Caracas Metro, Unimex
	PT 818-00	128	12,5	67,5	140	 Trams
	2TP-193	148	23	59	-	 Trams
	2.70.30.31.41.01720	250	38	142	380	 Subway cars
	138BS	350	80	60	430	 Hyundai subway cars

BRAKE PADS

IMAGE	NAME	LENGTH (L)	THICKNESS (H)	WIDTH (W)	R (in)	TYPICAL APPLICATIONS
	2TP-171	340	19,5	76,5	-	T5L64 "Elektron" trams
	2TP-171-01	354	19,5	76,5	-	T5L64 "Elektron" trams

BRAKE LININGS

IMAGE	NAME	LENGTH (L)	THICKNESS (H)	WIDTH (W)	R (in)	TYPICAL APPLICATIONS
	3TP-227	67,5	12,5	140	134	tramway T-3, KT4-SU
	3TP-270	75	12	149	130	tramway KTM-5M3, KTM-8, KTM-11
	UIC 175	171	20-35	140	212	Tren Ligero, Southern 455, 442 TR
	UIC 200	200	24-35	140	240	Desiro, Irish Rail, Northern Ireland
	UIC 250	210	24-35	155	245	317/318/319MB, HST, Alstom CLS 175
	109BP	150	30	235	187	Class 313 & ICD

OTHER

IMAGE	NAME	LENGTH (L)	THICKNESS (H)	WIDTH (W)	R (in)	TYPICAL APPLICATIONS
	2T3116.30.30.149	150	12	50	-	Diesel locomotive vibration damper
	302.30.40.111	-	25	-	-	Diesel multiple unit DP-1A

FRICTION MATERIAL TR001

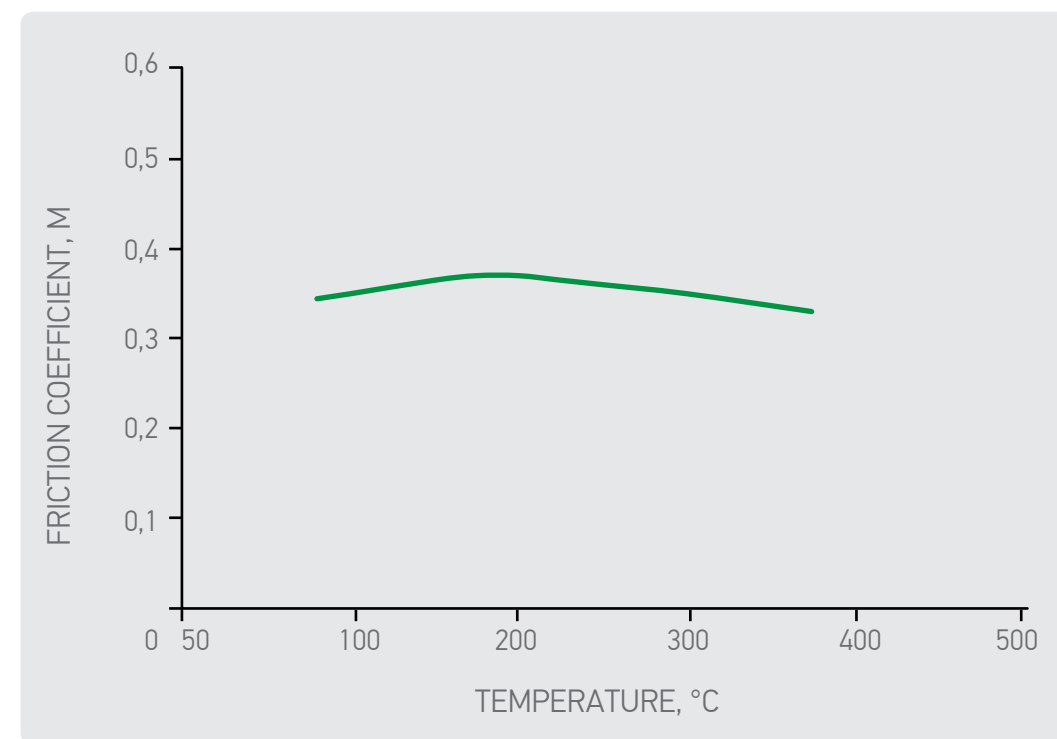
-  MAXIMUM APPLICATION SPEED
50 m/s
-  MAXIMUM DISC TEMPERATURE
up to 450 °C
-  LONG CYCLE
up to 150 000 km
-  MAXIMUM CLAMP PRESSURE
80N/cm²
-  DISC TYPE
cast iron or steel



BRAKING EFFICIENCY

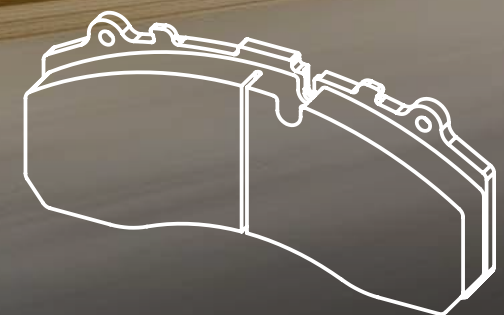
TEST OF FRICTIONAL MATERIAL

P = 55N/cm²
V = 20m/s





DURING
DYNAMOMETER TESTS
MAX TEMPERATURE
CAN REACH 700°C
AND MAX SPEED -
UP TO 320 KM/H



BRAKE PADS



LONG TERM
OF OPERATION
more than 100 000 km



STABLE
FRICTION COEFFICIENT
in a wide range
of temperatures (up to 500°)



R90
ECE R90 CERTIFICATE
product is fully
certified

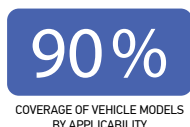
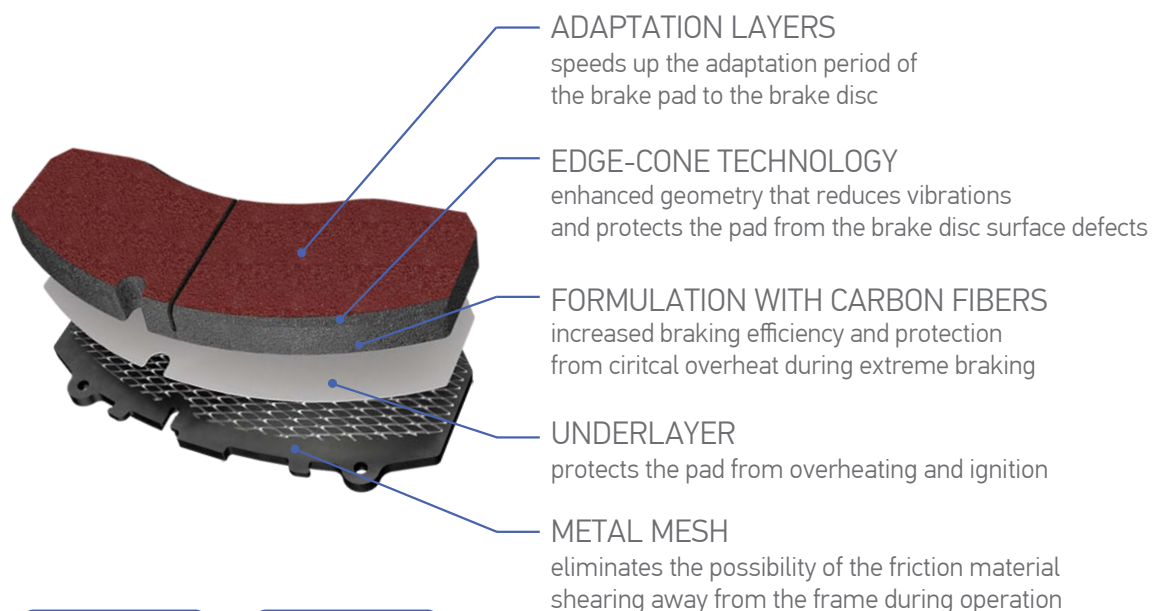


LOW DISC WEAR
over 300 000 km



CONSISTENT QUALITY
MONITORING
ISO/IEC 17025 certified
laboratory

TECHNOLOGICAL FEATURES



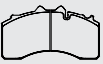
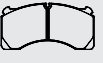
DISC BRAKE PADS for commercial vehicles



DISC BRAKE PADS

IMAGE	NAME	WVA	BRAKING SYSTEM	TYPICAL APPLICATIONS
	2TP-114	29108, 29061, 29087, 29059	Knorr SB 7	Mercedes, DAF, MAN, Scania, Iveco etc.
	2TP-150	29165, 29268	Knorr SN 6	axle SAF, BPW; trailers, semi-trailers Kogel, Schmitz, Kässbohrer, Schwarzmüller etc.
	2TP-151	29171, 29158	Knorr SK 7	
	2TP-173	29175, 29195	Hallex DB22 LT	
	2TP-174	29313, 29159, 29126	Wabco PAN 19	
	2TP-175	29162	Wabco PAN 22	
	2TP-176	29173	Meritor ELSA 225	axle ROR; Renault, VOLVO etc.
	2TP-135	29114, 29030, 29083, 29113	Meritor D-ELSA 1	axle ROR; Renault, MAN, VOLVO etc.
	2TP-152	29125, 29277	Meritor D-DUCO	axle ROR; VOLVO etc.
	2TP-158	29090	Meritor D-LISA	axle ROR; Renault, VOLVO etc.
	2TP-159	29131	Meritor D-ELSA 2	axle ROR; Renault, VOLVO etc.
	2TP-160	29174, 29273	Meritor ELSA 225-3	axle ROR; Renault, VOLVO etc.
	2TP-161/162	29148, 29183, 29115	Knorr SB 5000	MAN, Mercedes, GAZ Valday etc.
	2TP-145	29094, 29361	Knorr SN6	Mercedes, Iveco, DAF, MAN, Scania, etc.
	2TP-149	29088, 29285	Wabco PAN 17	Mercedes, DAF, MAN, Scania, Iveco etc.
	2TP-88	29181	Hallex DB 19	Mercedes, Renault, VOLVO, KAMAZ, etc.
	2TP-177	29279	Wabco Maxx 22	MAN, DAF, etc.

DISC BRAKE PADS

IMAGE	NAME	WVA	BRAKING SYSTEM	TYPICAL APPLICATIONS
	2TP-178	29124	Meritor DX 195	 axle ROR; Renault, MAN, VOLVO etc.
	2TP-179	29167	Knorr SN 7	 Mercedes, DAF, MAN, Scania, Iveco etc.
	2TP-180	29228	TSB4309	 BPW axle
	2TP-183/184	29244, 29245	Knorr SL7	 Mercedes etc.
	2TP-185/186	29246, 29247	Knorr SM 7	 Mercedes etc.
	2TP-194	29318/29319, 29328/29329	Knorr ST7-430	 SAF axle
	2TP-195	29332	Meritor ELSA 225 H	 Scania S Series
	2TP-196	29227	BPW TSB 3709	 BPW axle
	2TP-197	29253, 29278	Knorr SN7	 Mercedes, DAF, MAN, Scania, Iveco etc.



DRUM BRAKE PADS

IMAGE	NAME	# CATALOGUE NUMBER	TYPICAL APPLICATIONS
	4TP-140	2108-3502090	 VAZ 2108-2115
	4TP-656	2101-3502090	 VAZ 2101, 2104-2107, 2121
	4TP-132	96430417	 Daewoo Lanos
	4TP-110	1102-3502090	 ZAZ 1102, 1103
	4TP-770	1118-3502090	 VAZ 1118, 2170
	4TP-443	3302-3502090	 GAZ 3302
	4TP-190	96473229	 Chevrolet Aveo
	4TP-124	24-3501090	 GAZ 2410, 3102, 3110
	4TP-339	77 01 208 111	 Citroen, Dacia, Lifan, Peugeot, Renault
	4TP-412	AT 2090-041BP	 AZLK/IZH M2140, M412





DRUM BRAKE SHOES FOR TRUCKS

NAME	LINING THICKNESS	TYPICAL APPLICATIONS
15205533-TP	18,5 mm	ROR axle (420 x 180)
509127830-TP	17,8 mm	BPW axle (420 x 200)
0509146170-TP	17,5 mm	BPW axle (420 x 180)
3054005200-TP	17,5 mm	SAF axle (420 x 180)
305401200-TP	17,5 mm	SAF axle (420 x 180)
M006093-TP	18 mm	FRUEHAUF, TRAILOR axles (419 x 203)
16-3501091-TP	16,5 mm	PAZ-3205 (KANASH axle)
130-3502090-TP	19 mm	ZIL-130, ZIL-4331, PAZ-4234, PAZ-3205 (rear axle)
133Г4-3501090-TP	16 mm	ZIL 133Г4
375-3501090-TP	11 mm	URAL-375, URAL-4320 (front/rear axles)
5301-3502090-TP	8 mm	ZIL-5301 (rear axle)
5336-3501090-TP (15,5 mm)	15,5 mm	MAZ-5336 (right)
5336-3501091-TP (15,5 mm)	15,5 mm	MAZ-5336 (left)
5336-3501090-TP (18 mm)	18 mm	MAZ-5336 (right)
5336-3501091-TP (18 mm)	18 mm	MAZ-5336 (left)

DRUM BRAKE SHOES FOR TRUCKS

NAME	LINING THICKNESS	TYPICAL APPLICATIONS
5440-3501090-TP	16,5 mm	MAZ-5440 (front axle, right)
5440-3501091-TP	16,5 mm	MAZ-5440 (front axle, left)
5440-3502090-TP	16,5 mm	MAZ-5440 (rear axle, right)
5440-3502091-TP	16,5 mm	MAZ-5440 (rear axle, left)
5511-3501090-TP	17 mm	KAMAZ-5511, KAMAZ-53212 (front/rear axles)
6520-3501090-TP	18 mm	KAMAZ-6520 (Euro-2) (front/rear axles)
53205-3501090-TP	17 mm	KAMAZ-53205 (front/rear axles)
53229-3501090-TP	17 mm	KAMAZ-53229 (front/rear axles)
54326-3501090-TP	15,5 mm	MAZ-54326 (tech. holes) (right)
54326-3501091-TP	15,5 mm	MAZ-54326 (tech. holes) (left)
581405K000-TP	10 mm	Hyundai County HD 72 (front/rear axles)
5878316930-TP	11 mm	BOGDAN buses (front/rear axles)
264342100110-TP	15,5 mm	ETALON buses (front/rear axles)





BRAKE PADS
MADE BY TRIBO
STOP 700-TON
TRUCKS

SPECIAL VEHICLES PRODUCTS



- 

FOR TRUCKS
with carrying capacity up to 450 tons
- 

WORKING TEMPERATURE
up to 500°C
- 

MAXIMUM PRESSURE
8,7 МПа
- 

LOW WEAR
1.15 mm per 200 brake applications

BRAKE PADS
FOR BELAZ



BRAKE PADS AND LININGS FOR BELAZ

 NAME	 LENGTH (L)	 THICKNESS (H)	 WIDTH (W)	 TYPICAL APPLICATIONS
7521-3577060-20	260	36	140	 Belaz-7521
7555B-3501190	400	40	140	 Belaz-7555, Belaz-7545 etc.
75131-3577060	400	40	140	 Belaz-75131
540-3501105	182	21	165	 Belaz-75405, 540
548-3501105	244	17,8	200	 Belaz 548
549A-3501105	284	25	250	 Belaz-549A, 7509, 7519, 75191
549A-3507020	203	15	100	 Belaz-549A, 7509, 7519, 75191



SPECIAL VEHICLES PRODUCTS

SPECIAL VEHICLES PRODUCTS



BRAKE PADS FOR DRILLING RIGS

NAME	WIDTH (W)	THICKNESS (H)	R (in)	R (out)	TYPICAL APPLICATIONS
4020.81.100-1	120	32	590	230	Drilling rig LBU 1200, LBU 1200K, LBU 900-1UPA 60/80, Y2-5-5
A50M02.03.200	80	32	515	150	Drilling rig A50
A50M02.03.200-01	80	33	500	132	Drilling rig A50
914.01-06.01.04.1	254	30	700	305	Drilling rig F320-ZDH
2TP-06A/2TP-07A	140	24	212	255	Drilling rig IRI 125 (USA)
2TP-99	305	29	534	563	Drilling rig ZJ20, XJ-650 (China), IRI 160 (Canada)
2TP-191	120	32	590	100	Drilling rig PKS-5
2TP-95	120	32	590	230	Drilling rig AORS-60.80
2TP-91 (914.09.04.01.020)	254	30	560	305	Drilling rig SA AIE-07
2TP-66	120	32	500	200	Drilling rig AOPC
ZJ-30	255	29	584	305	Drilling rig ZJ-30B (China)
ZJ-40	262	30	634	305	Drilling rig ZJ-40B (China)
3-275321	300	84	1985	2065	Airclutch
3-275322	200	84	2990	3070	Airclutch
ЛБ-900Бp02.02-19A	248	16	516	532	Airclutch



BRAKE PADS FOR MINE LIFTS

NAME	WIDTH (W)	THICKNESS (H)	R (in)	R (out)	TYPICAL APPLICATIONS
27240.13.0052 A	270	60	1450	276	Mine lifts
27240.13.0053 A	201	60	800	278	Mine lifts
27240.13.0028 A	242	60	1900	239	Mine lifts

BRAKE PADS FOR DRILLING RIGS

1 Tribo BRAKE PAD



2 RIVAL BRAKE PAD



0,65	WEAR RATE (less is better)	0,78
43,0	HARDNESS EXTENT (within 30-55 HB)	18,9
5,0	SPECIFIC IMPACT VISCOSITY (more is better)	5,5
66,3	COMPRESSION RATE (more is better)	39,5
ACCEPTABLE	COEFFICIENT STABILITY DURING TRIPPING (100-700°C)	UNSTABLE
STABLE	CONDITION OF COUNTERBODY AFTER TESTS	COUNTERBODY DESTROYED



WE USE MORE
THAN 3600 TONS
OF RAW MATERIALS
A YEAR
FOR PRODUCTION



BRAKE LININGS



HIGH QUALITY
RAW MATERIALS



HIGH EFFICIENCY
BRAKING



LONG
CYCLE



COMPLIANCE WITH EUROPEAN
STANDARDS



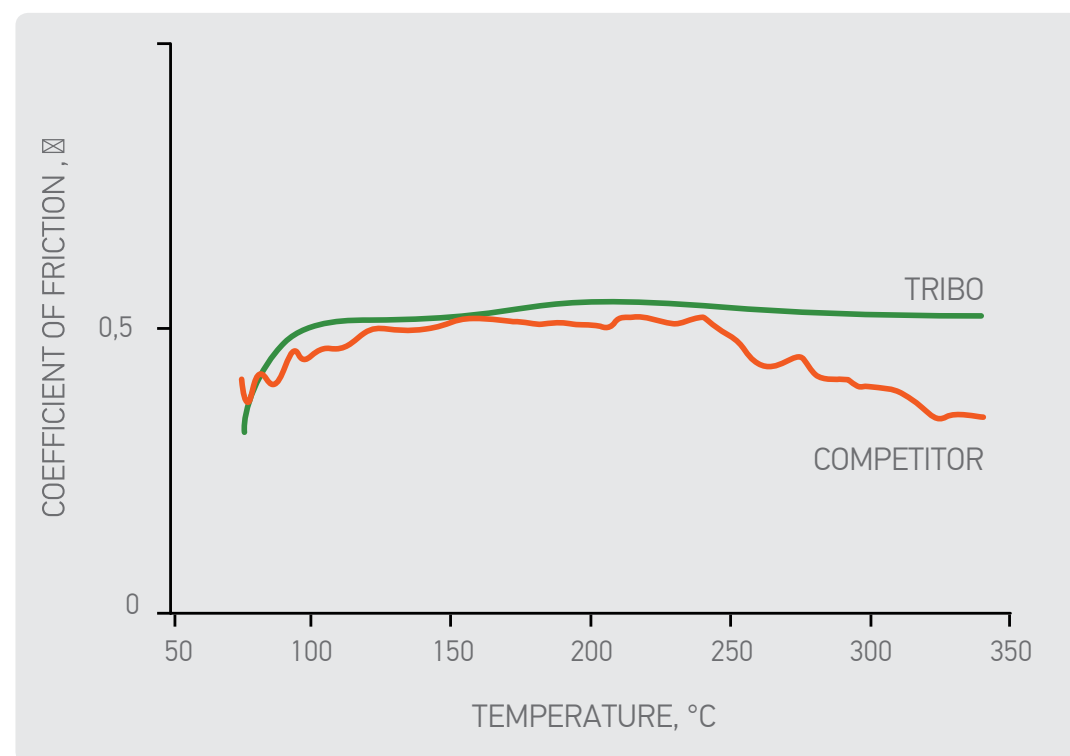
LOW NOISE
LEVEL

BRAKE LININGS



BRAKING EFFICIENCY

COMPARATIVE BRAKE LINING TEST



BRAKE LININGS (CIS VEHICLES)

NAME	WIDTH (W)	THICKNESS (H)	ARC LENGTH (L)	TYPICAL APPLICATIONS
2101-3502105-02	50	5,2	248	VAZ-2101-2107, 2111
24-3501105-01	50	5,6	290	GAZ-24, 3102, bus RAF-2203
24-3501105-02	50	5,6	240	GAZ-24, 3102, bus RAF-2203
20-3501105	50	5,2	309	GAZ-21, UAZ-451, 452, 2206
402-3501105-10	40	5,1	232	Moskvitch-402
51-3501105	60	6.5	374	GAZ-51, 52, 53, SAZ, KAVZ
51-3501106	60	6.5	270	GAZ-51, 52, 53, SAZ, KAVZ
51-3507020-5	60	5,5	205,2	GAZ-51, 53, SAZ, KAVZ
53-3502105	100	8.5	405	GAZ-53, 3307, KAVZ-685, 3270, 3271, PAZ-32
53-3502106	100	8.5	282	GAZ-52, 53, 3307, KAVZ-685, 3270, PAZ-32
51-3502105-03 (3TP-305)	80	11,1/8,3	200	GAZ 53, ГАЗ 3308,3309 front axle
53-3502105-03 (3TP-306)	100	11,1/8,3	200	ГАЗ 53, ГАЗ 3308,3309 rear axle
3302-3502105	70	6,7	269	GAZ 3302,3221, GAZ 2752, 2217 Sobol
500-3501105	100	16	202,5	MAZ-500, 504V, 5335, 5549, 5429
500-3502105	140	16	202,5	MAZ-500, 504V, 5335, 5549, 5429
018.01-3341-013-01	179	20	183	Ikarus-260, 280
125.38.102A	90	17	212,8	T-150
130-3501105-01	70	16	202,5	ZIL-130, 131, 138

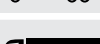
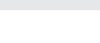
BRAKE LININGS (CIS VEHICLES)

NAME	WIDTH (W)	THICKNESS (H)	ARC LENGTH (L)	TYPICAL APPLICATIONS
TA 4331-3502105	140	19/14	204	 ZIL-130, 131, 138, 4331, bus PAZ-32053
131-3501105-01	100	16	202,5	 ZIL-131, trailer
431410-3507020	65	9	277	 ZIL-431410
375-3501105	120	11	418,6	 Ural-375, 377, 5557, 4420
375-3507020-04	70	9	297	 Ural-375, 377, 5557, 4420, 5323, 6364, 6365
55571-3501105-02 (3TP-212)	120	19/14	205	 Ural-4320, 4420, 5557
200-3501105	90	18	211,5	 Kraz-200
200-3502105A	140	18	211,5	 Kraz-200
260-3501105	120	18	186	 Kraz-260, 6322, 6437
255B-3507105	80	10	174,7	 Kraz-255B
6505-3502105	180	18	186	 Kraz-6505
6510-3501105-01	160	17	186	 Kraz-6510
3TP-192	120	15,5/12,5	260	 Bus "Etalon", "I-VAN", "TATA"
3TP-232	220	13	196	 Bus NeoLAZ, "I-VAN"
3TP-199	100	10/13	200	 Bus PAZ-3205
TA 16.3502110	100	11,5/16,5	200	 Bus PAZ-3205
AKL 772 FF	120	11	310	 Bus «Bogdan» A-091
3TP-326	110	10	312	 Bus «Bogdan» A-20111 (Hunday chassis)
3TP-217	159	14/19	194	 Bus «Bogdan» A1445
3TP-319	160	21/14,5	190	 Bus «Bogdan» A1445
3TP-320	160	21/14	194	 Bus «Bogdan» A1445
3TP-327	160	19	194	 Bus «Bogdan» A1445

BRAKE LININGS (CIS VEHICLES)

NAME	WIDTH (W)	THICKNESS (H)	ARC LENGTH (L)	TYPICAL APPLICATIONS
3TP-321	150	18/15	188	 Trailer KAMAZ axle L1 (China) 8 tons
3TP-322	150	17,5/10,5	195	 Trailer KAMAZ axle L1 (China) 8 tons
3TP-323	178	18/15	188	 Trailer KAMAZ axle L1 (China) 12 tons
3TP-324	178	17,5/10,5	195	 Trailer KAMAZ axle L1 (China) 12 tons
5336-3501105	160	18	186	 MAZ-5336, 5337, 5516, 5551, 6317, 6422
5440-3501105	183	17,4/13,4	178	 MAZ-5440, 103
5440-3502105	223	17,4/13,4	178	 MAZ-5440, 103
4370-3501105	121	16,2/12,5	143	 MAZ-4370
4370-3502105	150	16,2/12,5	143	 MAZ-4370
5511-3501105-01	140	19/14	188	 KAMAZ-5511, 5320, 5321, 5410, 5411
6520-3501105	180	21/17,5	187	 KAMAZ-6520, 53605, 5460, 6460
677-3501105-01	140	20	183	 LIAZ-677, Ikarus
5256-3501105-10	180	19,5/13,6	207	 LIAZ-5256
695H-3502105-T1	180	19/14	204	 LAZ-695N
700-40-7373	90	10,5	187	 Tractor S-80, T-130, CTZ
815-3502105	160	16	187	 Tatra-T 815, Merkator-ED-247
9758-3501105	200	18	186	 Semi-trailer MAZ, NEFAZ
99859-3502105	199	16	202,5	 Trailer CMZAP 9985, 99859, 9606
13.3502105	70	10	316	 Trailer 1 PTS-2 (TAIM)
77.38.052-1	50	10,2	90	 DT-75
3TP-210	100	14	137	 FAW 1061/1051 tipper
3TP-310	178	19,5/24	190	 Belkommunmash trolleybus 321, 32103, 32104
3TP-311	180	14,5/24	196	 Belkommunmash trolleybus 321, 32103, 32105

BRAKE LININGS (GLOBAL VEHICLES)

NAME	WIDTH (W)	THICKNESS (H)	ARC LENGHT (L)	WVA	TYPICAL APPLICATIONS
3TP-135	180	17,9	204	19032	 axle BPW, FRUEHAUF, SAF, KASSBOHRER etc.
3TP-64	180	19,9	191	19283	 axle SAF
3TP-65	180	19,9	195	19284	 axle SAF
3TP-141	200	18,2	204	19094	 axle BPW, KASSBOHRER, SAF etc.
3TP-70	178	18,9	189	19036	 axle ROR, FRUEHAUF, SAF etc.
3TP-71	178	18,9	195	19037	 axle ROR, FRUEHAUF, SAF etc.
3TP-75	200	19,9	185	19477	 axle SAF
3TP-76	200	19,4	191	19478	 axle SAF
3TP-81	200	18,2	184,5	19557	 axle FRUEHAUF etc.
3TP-82	200	18,4	190	19606	 axle FRUEHAUF etc.
3TP-83	174	18,4	177	19938	 axle ROR
3TP-84	200	18,4	178	19939	 axle ROR
3TP-85	180	17,3	178	19487	 MAN, Mercedes etc.
3TP-86	180	17,3	178	19495	 MAN, Mercedes etc.
3TP-87	220	16,9	178	19488	 MAN, Mercedes etc.
3TP-88	220	17,2	178,5	19496	 MAN, Mercedes etc.
3TP-96	220	17,9	186	19369	 axle ROCKWELL
3TP-97	220	18,1	186	19370	 axle ROCKWELL
3TP-57	203	11,3/18,7	192	19562	 Volvo
3TP-59	254	18,8/11,5	191	19800	 HEULIEZ, VOLVO

BRAKE LININGS (GLOBAL VEHICLES)

NAME	WIDTH (W)	THICKNESS (H)	ARC LENGHT (L)	WVA	TYPICAL APPLICATIONS
3TP-214	255	19/14	155	–	 VOLVO
3TP-216	255	19/14	192	–	 VOLVO
3TP-298	179	15,4/20,2	187	–	 bus RENO
3TP-226	85	10	312	–	 bus Hyundai County
3TP-250	155	18/11	183	–	 bus Hyundai Aerocity 540
3TP-251	220	18/16	185	–	 bus Hyundai Aerocity 540
3TP-267	220	10/17	180	–	 bus Hyundai Aerocity 540
3TP-290	156	15/18	182	–	 bus Hyundai Aerocity 540
3TP-291	207	11/19	182	–	 bus Hyundai Aerocity 540
3TP-292	207	15/18	185	–	 bus Hyundai Aerocity 540
3TP-229	160	14,5	135	–	 truck HOWO (front axle)
3TP-230	160	14,5	185	–	 truck HOWO (front axle)
3TP-231	185	14,5	185	–	 truck HOWO (rear axle)





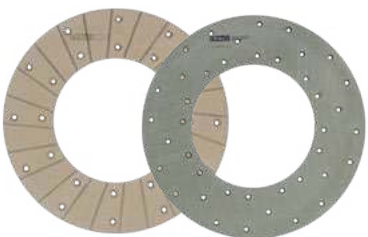
OVER THE PAST
10 YEARS
COMPANY TURNOVER
PER EMPLOYEE
HAS INCREASED
2.6 TIMES





BRAKE DISCS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	IN. DIAMETER (d1)	THICKNESS (H)	TYPICAL APPLICATIONS
3518020-45860	182	100	40	12	Don-1500
70-3502040	181	100	44	12,2	MTZ-50...100
85-3502040	206	135	44	10,5	MTZ-80...102, 550...572



CLUTCH FACINGS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	THICKNESS (H)	TYPICAL APPLICATIONS
20-1601138	225	150	3,5	Gaz-21, 22, 24
451-1601138	254	150	3,5	UAZ-451
00069-B	150	94	4	JVN-6B reaper, SK-10 combine
00162-B	195	115	4	JRK-5, JVN-6B clutch
01M-2141A (A52.150.038)	400	220	5	T-150K, T-4, 16, 25, SMD-60, 62, 72
СМД 1-2111A	350	210	4	MTZ, DT-75
СМД 14-2111A	340	210	4	MTZ, DT-150, A-41

CLUTCH FACINGS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	THICKNESS (H)	TYPICAL APPLICATIONS
70-1601138 (A52.21.101M)	340	200	4	MTZ-80, 82, 50, 52, 100, 102, T-70
50-1601138	325	200	3,5	MTZ-50, 52; T-54V
TA 36-1604047-B1, B-2	316	156	4	KMZ, UMZ-6
236-1601138-A3	400	220	4,15	MAZ-504V, 64227, Kraz-250, 260
238-1601138 (TA 238-1601138)	400	220	4,15	MAZ-504V, 64227, Kraz
130-1601138-A2 (TA 130-1601138-A2)	342	186	4	ZIL-130, 131, 138, 157
52-1601138 (TA 52-1601138)	280	164	3,5	GAZ-52
A198.08-01	280	164	4	GAZ-52
53-1601138 (53-1601138-Л)	300	164	4	GAZ-52, 53, 3307
TA 14-1601138 (A52.21.101K)	350	200	4,5	KAMAZ-5320, 53212, 55102
A59.01.201 (50-1605118-B)	180	100	4,5	UMZ-6; MTZ-50, 52, 80, 82
54.00793	176	65	4	SPS-4 clutch, DON combine
54-010.69	215	140	4	DON, SK-6 safe clutch
55-12-435A	140	75	4	OTZ
T25-1601138-B1	300	200	4	Tractor T-40
T25-1601138-B (A52.31.101)	275	172	4	T-16, 25
46167 (TA 46167)	368	292	2,4	Tractor T-100;-130;-170
KCKY-06.38001-A	116	66	7	KSKU hand winch
PCM-10.01.54.001	140	75	6	DON-1500
ЖЗС 01.007-A	215	140	4	JZS reaper clutch, SLAVUTICH combine
T29-1601138A	350	240	5	Tractor T-28
12.30.00118	180	120	8	Electric train
18-14-135	295	190	5	Tractor T-100 M3

CLUTCH FACINGS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	THICKNESS (H)	TYPICAL APPLICATIONS
1TP-52	230	110	4	Asphalt roller
018.01-1601138 (1TP-57)	420	220	4,15	IKARUS, TATRA
1TP-80	204	135	4	MTZ tractor
1TP-85	430	240	4,5	MAZ-104
1TP-94	200	124	3,75	Tractor MTZ-100
1TP-107	445	240	5,5	Tractor CTZ T-130, T-170
1TP-113	250	155	5	UAZ



SEGMENTS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	THICKNESS (H)	TYPICAL APPLICATIONS
18-14-137	445	240	5,5	Tractor T-170, T-130



RINGS AND WASHERS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	THICKNESS (H)	TYPICAL APPLICATIONS
250-1108279	50	12,5	4,5	Kraz-250
KC6-050006-2	50	20	4	Friction washer
1TP-88	70	40	4	Friction washer



CLUTCH DISCS

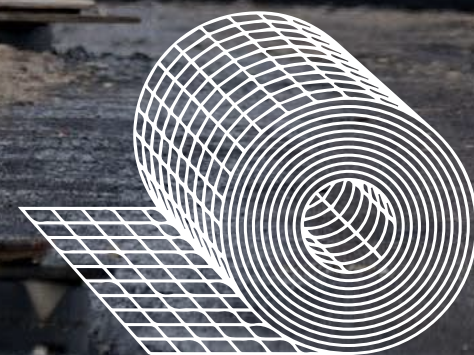
NAME	OUTER DIAMETER (mm)	DISC TYPE	THICKNESS (mm)	SPLINES NUMBER	TYPICAL APPLICATIONS
70-1601130	340	clutch hard disk	10	12	MTZ-50,80,82,892,920,952,1025, EO-2621, 2626
45-1604040-A3	316	clutch hard disk	11,2	10	UMZ-6L, 6M, 6KL, 6KM
45-1604040-A3	316	with bearings	11,2	10	UMZ-6L, 6M, 6KL, 6KM
150.21.024-2	400	clutch hard disk	10	17	T-150,150K,151,156,157, 150-05-09-25, T-17221, KhTZ-181
53-1601130-01	300	clutch hard disk	10,9	10	GAZ-53,3307 PAZ 3205, 32053,32054, KAVZ-685
130-1601130 (130-1601130-02)	340	clutch hard disk	9,7	10	ZIL-130/131, 433360, 433110 LAZ-695N, LAZ-695B, KAZ-608
01M-21sb	400	clutch hard disk	9,5	17	T4-A, DZ-122, DZ-143, DZ-180, DK-58, DK-62, MTP-71A, MTP-7, LP-19A
238-1601130 (238-1601130/31)	400	clutch hard disk	9,5	10	MAZ-5549,5433,54328, LAZ-5252
14.1601130	350	clutch hard disk	10	10	KAMAZ-4310,5320,5410,54112, 5511, URAL-4320, LAZ-4207, ZIL-133GYa
A52.21.000-70	350	clutch hard disk	10	14	A-41, SMD-18, D-442Y, D-442, traktor VgTZ, DT-75
18n-21s6-0 (14-21s6-2)	350	clutch hard disk	9,6	16	SMD-14NG,-14BN,-15N,-19,-20, traktor Niva SH-5, VgTZ, DT-75V,75BV,75N





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OF THE WORLD

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CONDUCTIVITY**
no "cold bridges"



**RESISTANCE TO
AGGRESSIVE ENVIRONMENTS**
concrete and alkalis

BASALT MESH



USAGE OF BASALT MESH

REINFORCEMENT
OF PLASTER
LAYER

REINFORCEMENT
OF ROOFING

REINFORCEMENT
OF HORIZONTAL
WALL SEAMS

CONNECTING
MULTILAYERED
WALLS (PARTITIONS)

REINFORCEMENT OF
FLOOR SCREED



BUILDING BASALT MESH

NAME	BREAKING LOAD	CELL SIZE	ROLL WIDTH
Ekobud SBS	50/50	25x12	25-520
Ekobud SBS	50/50	25x25	25-520
Ekobud SBS	50/50	50x50	25-520
Ekobud SBS	100/100	25x25	25-520
Ekobud SBS	100/100	50x50	25-520

FACADE BASALT MESH

NAME	BREAKING LOAD	CELL SIZE	ROLL WIDTH
Ekobud SBF	30/20	4x4	100



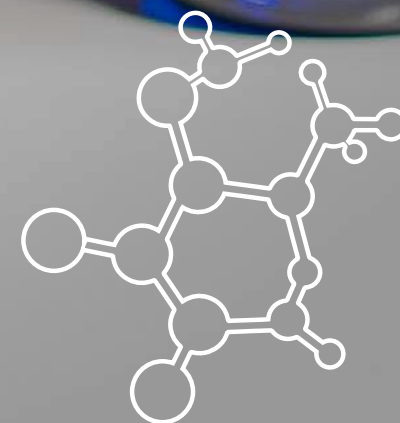
GEOMESH

NAME	BREAKING LOAD	CELL SIZE	ROLL WIDTH
AGM-Dor	50/50	25x25	520
AGM-Dor	50/50	50x50	520
AGM-Dor (c)	50/50	40x40	520
AGM-Dor (c)	50/50	25x25	520
AGM-Dor (c)	100/100	50x50	520
AGM-Grunt	30/30	40x40	520
AGM-Composit	100/100	20x20	500



THE MOST COMPLEX
RECIPE
CONSISTS OF
22 COMPONENTS

PRODUCTS IN DEVELOPMENT





Tribo has at its disposal a research center and testing laboratory, fully equipped with the latest European equipment and technology, where the development and testing of friction materials is carried out.

Such a test center exists only among a small number of leading manufacturers of brake pads in the world.

This center allows qualified specialists to develop and test friction materials, based on all possible requirements for the vehicles for which they will be installed, customer requirements, and environmental safety.



DEVELOPMENT AND TESTING of the new friction products



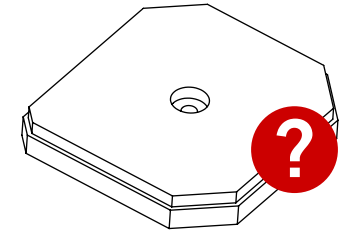
R&D CENTER
MANAGED BY
EXPERIENCED TECHNOLOGISTS



OWN WORKSHOP
FOR MOLD
PRODUCTION



MODERN
WORLD CLASS
TESTING LAB



Over the past 2 years, our R&D department has developed and introduced into production over 37 new friction components.

Thanks to the coordinated work of our R&D research center, our in-house mold production workshop, and a modern testing laboratory, we can design custom brake components according to individual technical specifications provided by the client.





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