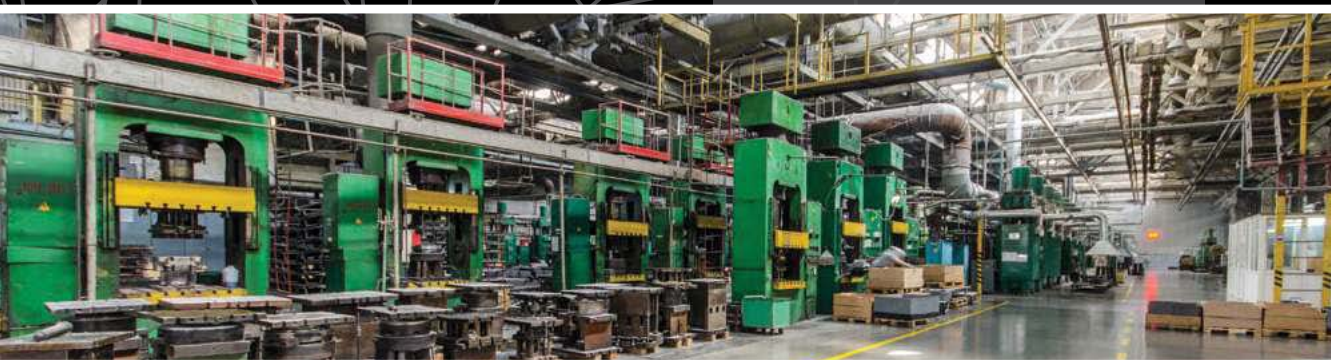
Tribo



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 departments:

Tribo Tools (metal working and mold production)

Tribo R&D (friction products development and testing)

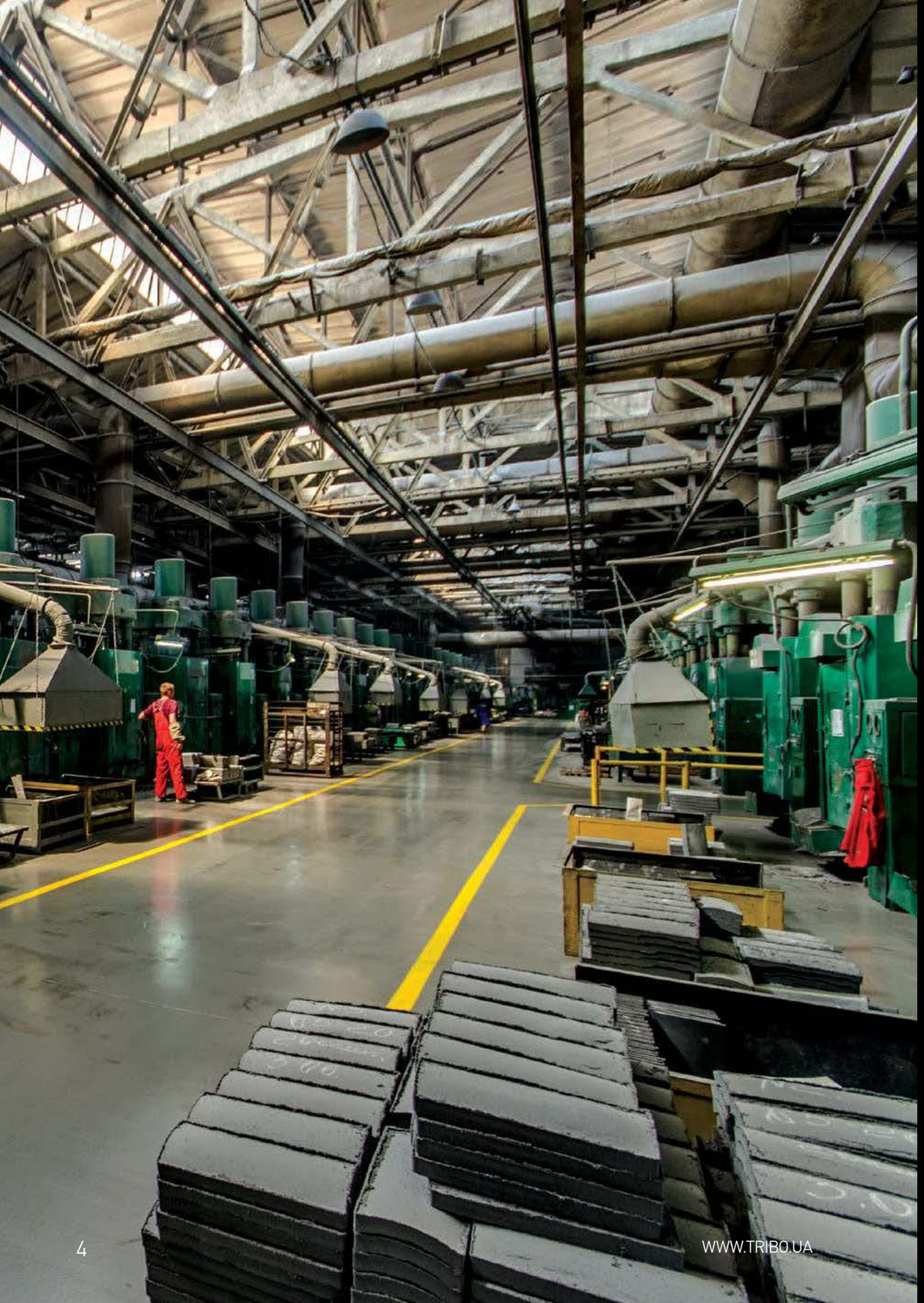


There is a modern testing laboratory located at Tribo, which makes it possible to perform quality control and develop the new products.

Tribo production meets the following quality standards:

ISO 9001:2015
ECE R90

OUR CLIENTS:



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Geosynthetics 42
Development and testing 46

RAILWAY PRODUCTS

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



LONG TERM OF OPERATION
more than 200 000 Km

STABLE FRICTION COEFFICIENT
at a wide range of speeds

CONFORMITY CERTIFICATE
with vehicle requirements

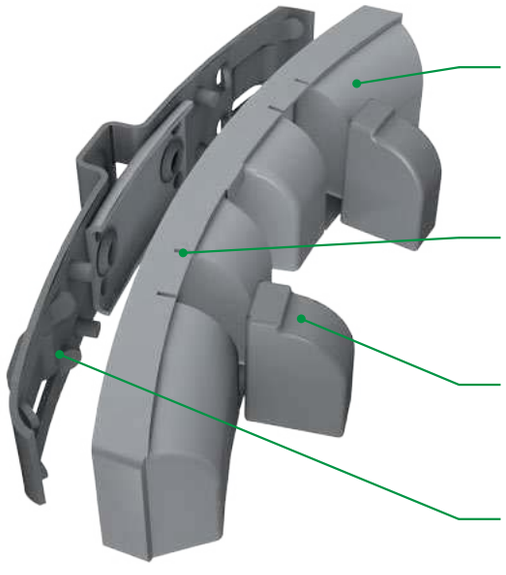
SYSTEMATIC QUALITY CONTROL

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.



FRICTION MATERIAL
has a relatively stable coefficient of friction at any speed and in all weather conditions

SLOTS
prevent the formation of thermal cracks on the block, helping to remove the wear particles from the friction face

CAST IRON INSERTS
heat removal from friction face, elimination of minor defects on the running surface of wheels

FRAME
ensures the integrity and rigidity of the structure

ECO
ASBESTOS FREE TECHNOLOGY

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 (У)**	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 Rail-ways, 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	Huyndai subway cars

END OF TABLE

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
	**2ТЭ116.30.30.149**	150	12	50	–	Diesel locomotive vibration damper
	**302.30.40.111**	–	25	–	–	Diesel multiple unit ДР-1А

RAILWAY PRODUCTS

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

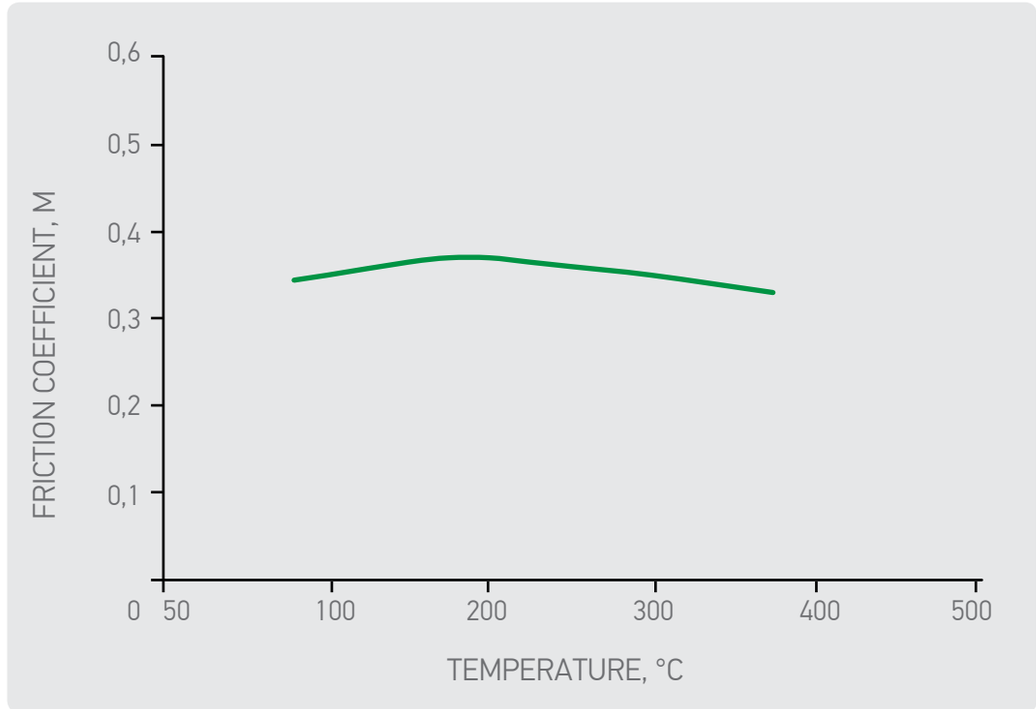
DISC TYPE
cast iron or steel



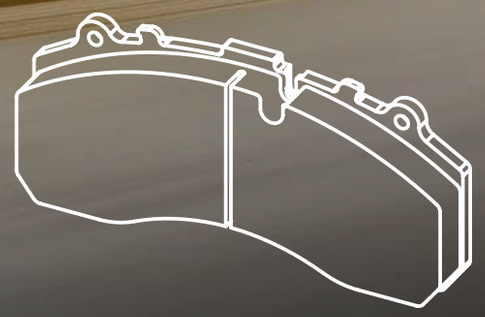
BRAKING EFFICIENCY

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



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

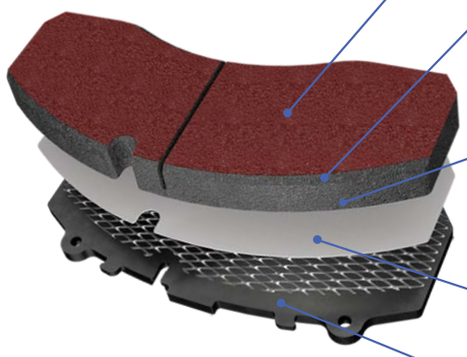
LOW DISC WEAR
over 300 000 km

CONSISTENT QUALITY
MONITORING
ISO/IEC 17025 certified
laboratory

DISC BRAKE PADS
for commercial vehicles



TECHNOLOGICAL FEATURES



ADAPTATION LAYERS
speeds up the adaptation period of
the brake pad to the brake disc

EDGE-CONE TECHNOLOGY
enhanced geometry that reduces vibrations
and protects the pad from the brake disc surface defects

FORMULATION WITH CARBON FIBERS
increased braking efficiency and protection
from ciritcal overheat during extreme braking

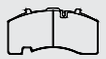
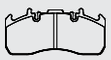
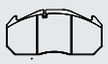
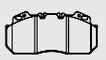
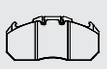
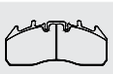
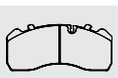
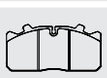
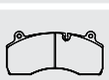
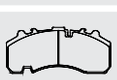
UNDERLAYER
protects the pad from overheating and ignition

METAL MESH
eliminates the possibility of the friction material
shearing away from the frame during operation

ECO
ASBESTOS FREE TECHNOLOGY

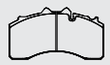
90%
COVERAGE OF VEHICLE MODELS
BY APPLICABILITY

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	Knnor SK 7	
	**2TP-173**	29175, 29195	Haldex 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	Haldex DB 19	Mercedes, Renault, VOLVO, KAMAZ, etc.
	**2TP-177**	29279	Wabco Maxx 22	MAN, DAF, etc.

END OF TABLE

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



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





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, У2-5-5
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-900Бр02.02-19А	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



1	WEAR RATE (less is better)	2
0,65		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

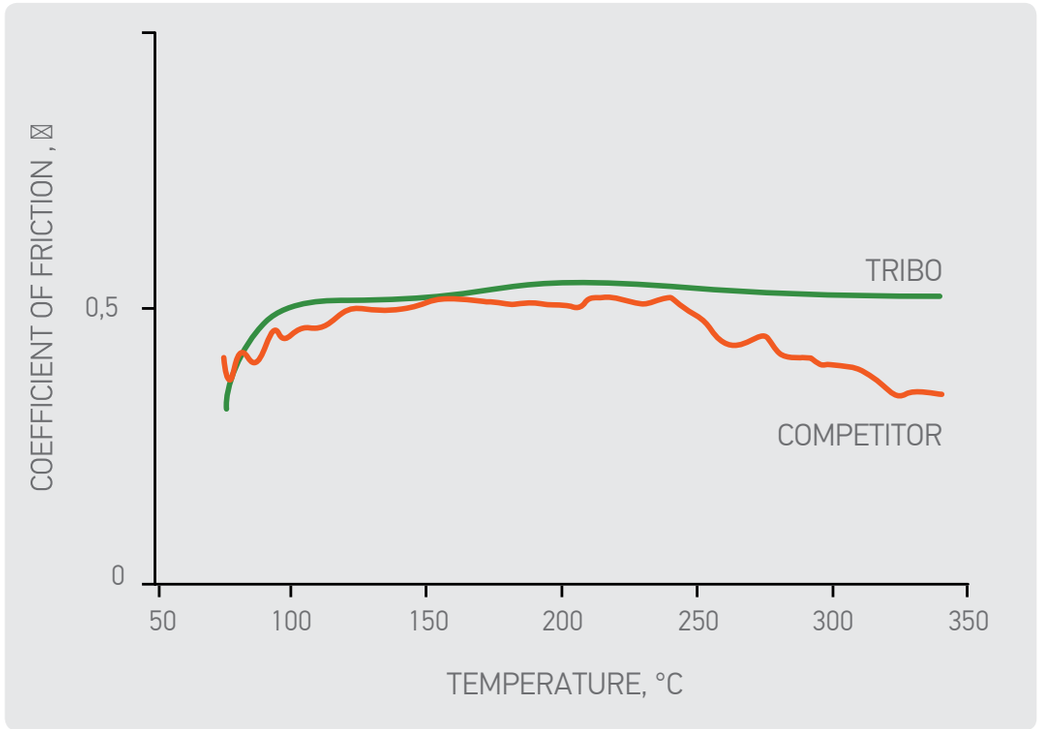
LOW NOISE
LEVEL

BRAKE LININGS



BRAKING EFFICIENCY

COMPARATIVE BRAKE LINING TEST



Tribo

BRAKE LININGS



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-Б	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 (ЗТР-305)	80	11,1/8,3	200	GAZ 53, ГАЗ 3308,3309 front axle
53-3502105-03 (ЗТР-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
255Б-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

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BRAKE LININGS (CIS VEHICLES)

NAME	WIDTH (W)	THICKNESS (H)	ARC LENGHT (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

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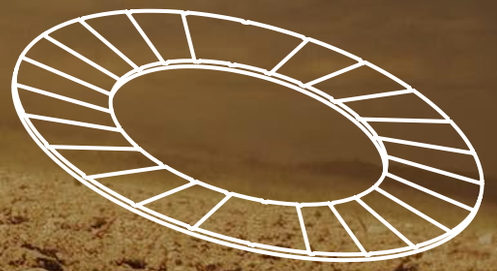
BRAKE LININGS (GLOBAL VEHICLES)

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)



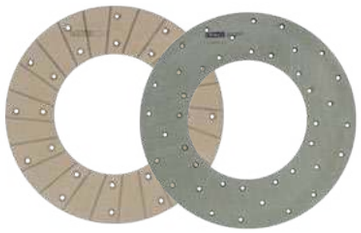
OVER THE PAST
10 YEARS
COMPANY TURNOVER
PER EMPLOYEE
HAS INCREASED
2.6 TIMES





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-В	150	94	4	JVN-6B reaper, SK-10 combine
00162-Б	195	115	4	JRK-5, JVN-6B clutch
01М-2141А (А52.150.038)	400	220	5	Т-150К, Т-4,16,25, SMD-60, 62, 72
СМД 1-2111А	350	210	4	MTZ, DT-75
СМД 14-2111А	340	210	4	MTZ, DT-150, A-41

CLUTCH FACINGS

NAME	OUT. DIAMETER (D)	IN. DIAMETER (d)	THICKNESS (H)	TYPICAL APPLICATIONS
70-1601138 (А52.21.101М)	340	200	4	MTZ-80, 82, 50, 52, 100, 102, T-70
50-1601138	325	200	3,5	MTZ-50, 52; T-54V
ТА 36-1604047-Б1, Б-2	316	156	4	KMZ, UMZ-6
236-1601138-А3	400	220	4,15	MAZ-504V, 64227, Kraz-250, 260
238-1601138 (ТА 238-1601138)	400	220	4,15	MAZ-504V, 64227, Kraz
130-1601138-А2 (ТА 130-1601138-А2)	342	186	4	ZIL-130, 131, 138, 157
52-1601138 (ТА 52-1601138)	280	164	3,5	GAZ-52
А198.08-01	280	164	4	GAZ-52
53-1601138 (53-1601138-Л)	300	164	4	GAZ-52, 53, 3307
ТА 14-1601138 (А52.21.101К)	350	200	4,5	KAMAZ-5320, 53212, 55102
А59.01.201 (50-1605118-Б)	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
55-12-435А	140	75	4	OTZ
Т25-1601138-Б1	300	200	4	Tractor T-40
Т25-1601138-В (А52.31.101)	275	172	4	T-16, 25
46167 (ТА 46167)	368	292	2,4	Tractor T-100;-130;-170
КСКУ-06.38001-А	116	66	7	KSKU hand winch
РСМ-10.01.54.001	140	75	6	DON-1500
ЖЗС 01.007-А	215	140	4	JZS reaper clutch, SLAVUTICH combine
Т29-1601138А	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 SK-5, VgTZ, DT-75V,75BV,75N



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RAW MATERIALS
FROM 18 COUNTRIES
OF THE WORLD

DURABILITY
resistant to corrosion and rotting

CONVENIENT TRANSPORTATION
8 times lighter than metal

SAVING CEMENT
up to 30% for hollow materials

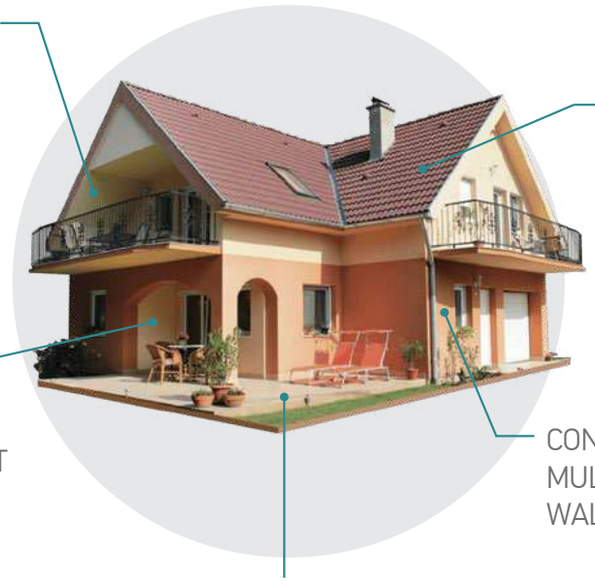
LOW HEAT CONDUCTIVITY
no “cold bridges”

RESISTANCE TO AGGRESSIVE ENVIRONMENTS
concrete and alkalis

BASALT MESH



USAGE OF BASALT MESH





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

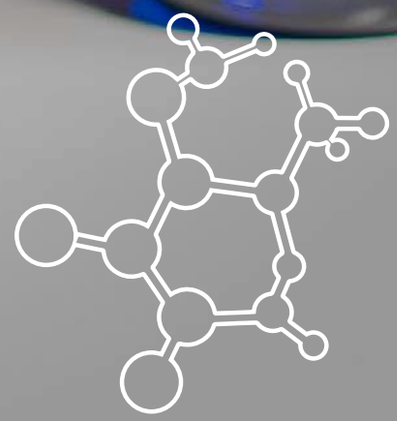
NAME	BREAKING LOAD	CELL SIZE	ROLL WIDTH
Ekobud SBF	30/20	4x4	100



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





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.



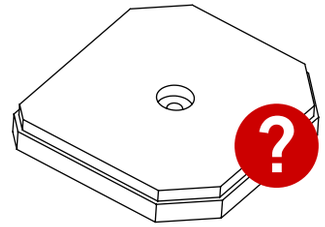
Tribo

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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