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Safety brake Jingu control
安全制动·金箍掌控



河南金箍制动器股份有限公司
HENAN JINGU BRAKE CO., LTD.

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Add:

河南省长垣市起重工业园区

Crane Industrial Park, Changyuan City, Henan Province, China

Tel:

+86 0373-872 8888 872 9999

E-mail:

hnjgzdq@163.com

English Website:

<https://www.jingucranebrake.com>

Website:

<http://www.hnjgzdq.cn>



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安全高效的工业制动系统提供商

河南金箍制动器股份有限公司
HENAN JINGU BRAKE CO., LTD.

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安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YWZ4系列电力液压鼓式制动器

YWZ4 SERIES ELECTRO-HYRAULIC DRUM BRAKES

应用 Application

- YWZ4系列电力液压鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。

APPLICATION

YWZ4 series electric hydraulic drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

符合标准 Standards Compliant

- YWZ4系列电力液压制动器的安装尺寸和制动力矩参数符合JB/ZQ4388-2006标准。技术要求符合JB/T6406-2006标准。

STANDARDS COMPLIANT

- The dimensions and braking torque parameters of YWZ4 series brakes comply with JB/ZQ4388-2006 standard, technology requirements comply with JB/T6406-2006 standard.

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用过程中无需润滑。
- 常闭式设计，（断电）弹簧制动，（通电）推动器释放。
- 制动衬垫为卡装式整体成型结构，安全可靠，更换方便、快捷。

注：YWZ4(YT-)制动器出厂时配备铆接式制动瓦，如需更换请注明。

MAIN FEATURE

- Safe and reliable performance, smooth braking, high action frequency.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Normally closed design, (power off) spring brake, (power on) thruster release.

The brake pad is a card mounted integral forming structure, which is safe and reliable, and it is convenient and quick to replace.

Note: YWZ4(YT-) brake is equipped with riveted brake pad when it is delivered. Please indicate if it is necessary to replace it.

使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则采用防爆、防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019
- 有特殊要求时，在订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- Flammable, explosive and corrosive gases are not allowed in the surrounding working environment, otherwise explosion-proof and anti-corrosion products are used.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use conforms to GB755-2019
- Special requirements can be discussed before production.

安装型式 Installation Type

- 制动衬垫的安装型式有两种：铆接式和插入式
There are two types of brake pad installation: riveting type and plug-in type.

型号意义 Model Significance

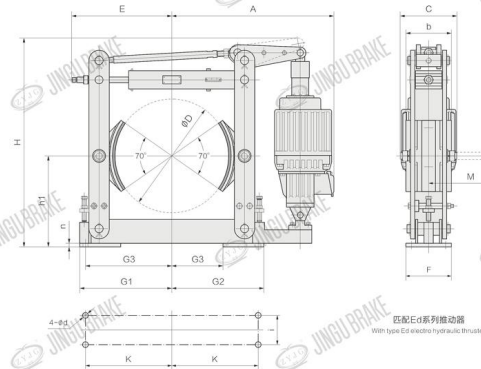


产品示例 Product Examples

- 轮径 ϕ 300mm，推动器Ed50/6 标记为：YWZ4-300/E50
- 轮径 ϕ 400mm，推动器YT1-90Z/8 标记为：YWZ4-400/Y90

安装及外形尺寸 Outline And Installation Dimension

替代原YWZ4e系列制动器



YWZ4 (Ed) 系列 Series

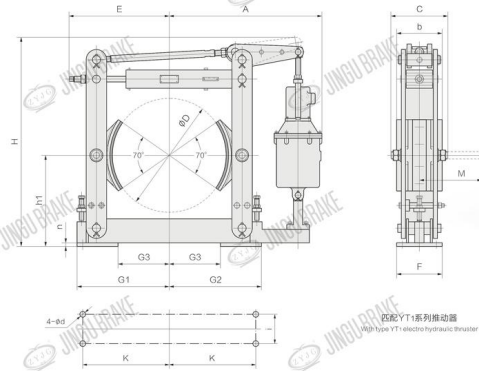
YWZ4(Ed)系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ4 (Ed) SERIES DRUM BRAKES

制動器型號 Brake type	匹配制動器 Thruster type	制動力矩 Brake torque (Nm)	道距 Clearance (mm)	安裝及外形尺寸 Dimensions (mm)																	重量 Weight (kg)
				A	b	C	D	d	E	F	G1	G2	H	h1	i	K	M	n	G3		
YWZ4-100/E23	Ed23/5	40	0.6	320	70	160	100	13	125	75	125	125	375	100	40	110	138	6	50	21	
YWZ4-150/E23	Ed23/5	100	0.6	350	90	160	150	17	173	100	170	170	430	140	60	150	138	8	70	25	
YWZ4-150/E30	Ed30/5	120											462							29	
YWZ4-200/E23	Ed23/5	200		430	90	160	200	17	210	100	195	195	436	170	60	175	156	8	95	31	
YWZ4-200/E30	Ed30/5	230	0.7	427									463							34	
YWZ4-300/E30	Ed30/5	320		487		160							595							65	
YWZ4-300/E50	Ed50/6	630	0.7	527	140	195	300	22	281	130	280	280	585	240	80	250	200	10	125	78	
YWZ4-300/E80	Ed80/6	750											600							79	
YWZ4-400/E80	Ed80/6	1600		662		195							750							140	
YWZ4-400/E121	Ed121/6	2000	0.8	653	180	240	400	22	370	180	360	360	764	320	130	325	265	12	190	155	
YWZ4-500/E121	Ed121/6	2500																			
YWZ4-500/E201	Ed201/6	3600	0.8	713	200	255	500	22	440	200	415	415	925	400	150	380	310	15	225	210	
YWZ4-600/E121	Ed121/6	3200																			
YWZ4-600/E201	Ed201/6	5000	0.8	848	240	315	600	26	555	220	505	520	1100	475	170	475	395	18	250	390	
YWZ4-700/E201	Ed201/6	8000																			
YWZ4-700/E301	Ed301/12	8650	0.8	978	280	400	700	34	705	270	580	600	1245	550	200	540	495	25	315	465	
YWZ4-800/E301	Ed301/12	12500	0.9	1115	320	445	800	34	772	320	677	697	1417	600	240	620	556	28	357	786	

• 注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

安装及外形尺寸 Outline And Installation Dimension

替代原YWZa系列制动器



配套YT1系列液压推动器
High Type YT1 electrohydraulic thruster

YWZ4(YT1)系列 Series

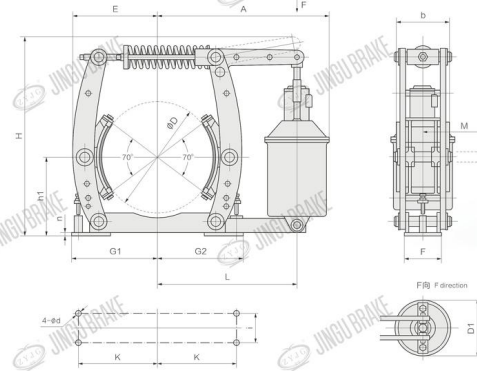
YWZ4(YT1)系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ4(YT1) SERIES DRUM BRAKES

制動器型號 Brake type	匹配推動器 Thruster type	制動力矩 Brake torque (Nm)	退距 Clearance (mm)	安裝及外形尺寸 Dimensions (mm)																	重量 Weight (kg)
				A	b	C	D	d	E	F	G1	G2	H	h1	i	K	M	n	G3		
YWZ4-100/18	YT1-182B/2	40	0.6	269	70	137	100	13	125	75	125	125	384	100	40	110	138	6	50	20	
YWZ4-150/25	YT1-252B/4	100	0.6	307	90	154	150	17	173	100	170	170	437	140	60	150	138	8	70	26	
YWZ4-200/25	YT1-252B/4	200	0.7	347		200	200		210		195	195	440	170		175	156		95	30	
YWZ4-300/25	YT1-252C/4	320		447		154							592							63	
YWZ4-300/45	YT1-452/6	630	0.7	459	140		300	22	281	130	280	280	600	240	80	250	200	10	125	70	
YWZ4-300/90	YT1-902/8	850		510		178							700							80	
YWZ4-400/45	YT1-452/6	1000		564		178							735							120	
YWZ4-400/90	YT1-902/8	1600	0.8	580	180	210	400	22	370	180	360	360	740	320	130	325	271	12	125	130	
YWZ4-400/125	YT1-1252/10	2200		632		254							850							167	
YWZ4-500/90	YT1-902/8	2500		670									890							210	
YWZ4-500/125	YT1-1252/10	2650	0.8		200	255	500	22	440	200	415	415		400	150	380	310	16	225	220	
YWZ4-500/180	YT1-1802/10	3000		692									940							235	
YWZ4-600/90	YT1-902/8	3200	0.8	805	240	310	600	26	555	220	505	520	1028	475	170	475	390	18	250	430	
YWZ4-600/180	YT1-1802/12	5000		827																440	
YWZ4-700/180	YT1-1802/12	8000	0.8	957	280	400	700	34	705	270	580	600	1225	550	200	540	495	25	315	500	
YWZ4-800/180	YT1-1802/12	10000		1094																720	
YWZ4-800/320	YT1-3202/12	12500	0.9	1115	320	445	800	34	772	320	677	697	1417	600	240	620	556	28	357	885	

*注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

安装及外形尺寸 Outline And Installation Dimension

替代原YWZ4a系列制动器



YWZ4-A系列 Series

YWZ4-A系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ4-A SERIES DRUM BRAKES

制动器型号 Brake type	制动轮直径 Brake wheel diameter (mm)	制动力矩 Brake torque (Nm)	退距 Clearance (mm)	安装及外形尺寸 Dimensions (mm)																	重量 Weight (kg)
				A	b	D	D1	d	E	F	G1	G2	H	h1	i	K	L	M	n		
YWZ4-160/18A	160	80-140	0.5	345	65	160	137	14	160	90	155	155	378	132	55	130	275	145	6	25	
YWZ4-160/25A		112-180	0.8	354			154							432						37	
YWZ4-200/25A	200	112-225	1.0	379	80	200	154	14	190	90	180	180	454	160	55	145	300	145	8	43	
YWZ4-250/45A	250	250-400	1.25	420	100	250	178	18	210	100	205	205	509	190	65	180	331	190	10	70	
YWZ4-315/25A	315	180-280	1.25	510			154						563				433			74	
YWZ4-315/45A		315-630		565	125	315	178	18	245	110	245	275	610	225	80	220	476	220	10	78	
YWZ4-315/90A		630-1250		568				210					625					463			147
YWZ4-400/45A		400-630	1.6	600			178						682							125	
YWZ4-400/90A	400	800-1250		610	160	400	210	22	304	140	310	310	720	280	100	270	505	275	12	140	
YWZ4-400/125A		1120-1800		632				254						800							167
YWZ4-500/90A	500	1000-1600	1.6	697			210						791							202	
YWZ4-500/125A		1400-2250		719	200	500	254	22	368	180	365	365	845	335	130	325	592	330	16	220	
YWZ4-630/180A	630	2500-4000	2.0	814			254						1021							358	
YWZ4-630/320A		4800-7100		815	250	630	375	27	478	220	450	450	1030	425	170	400	703	400	20	425	
YWZ4-710/180A	710	3100-4500	2.0	985			254													475	
YWZ4-710/320A		5000-8000		1045	280	710	375	27	520	240	500	550	1121	475	190	450	855	452	22	506	
YWZ4-800/320A	800	8000-12000	2.5	1170	320	800	375	27	595	280	750	750	1283	530	210	520	982	510	30	716	

*注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

YWZ₅/YWZ₉系列电力液压鼓式制动器

YWZ₅/YWZ₉ SERIES ELECTRO-HYRAULIC DRUM BRAKES

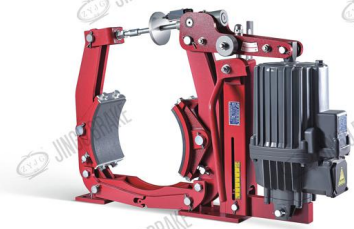
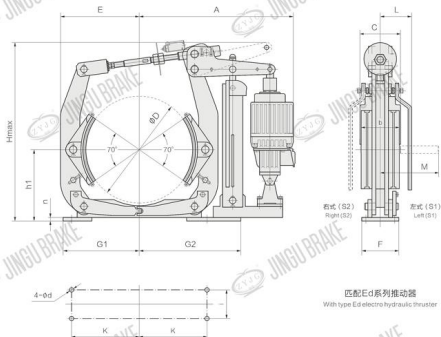
应用 Application

- YWZ₅/YWZ₉系列电力液压鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。
- YWZ₅/YWZ₉ series electric hydraulic drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

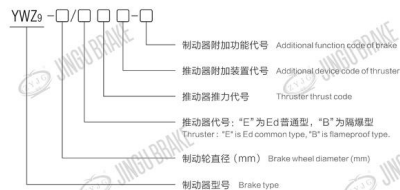
符合标准 Standards Compliant

- YWZ₅/YWZ₉系列制动器的安装尺寸和制动力矩参数符合GB6333-86标准。技术要求符合JB/T6406-2006标准。
- The dimensions and braking torque parameters of YWZ₅/YWZ₉ series brakes comply with GB6333-86 standard, technology requirements comply with JB/T6406-2006 standard.

安装及外形尺寸 Outline And Installation Dimension

YWZ₅系列 Series

型号意义 Model Significance



制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号 Function code	表示意义 Model Significance
M	衬垫磨损制动补偿装置 Pad wear brake compensation device
K1	开闸限位行程开关 Opening limit travel switch
K2	闭闸限位行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch
S1	左式手动装置 Left hand device
S2	右式手动装置 Right hand manual device

YWZ₅/YWZ₉系列电力液压鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ₅/YWZ₉ SERIES DRUM BRAKES

				安装及外形尺寸 (Dimensions (mm))																	重量 Weight (kg)
制动力型号 Brake type	匹配推动器 Thruster type	制动力矩 Brake torque (Nm)	退距 Clearance (mm)	A	b	C	D	d	E	F	G1	G2	Hmax	h1	i	K	M	n	L		
YWZ ₅ /YZ _{5A}	~160/E23	Ed23/5	80~160	1.0	430	65	160	160	14	145	85	145	195	435	132	55	130	120	8	145	32.5
	~200/E23	Ed23/5	112~200	1.0	470	80	160	200	14	175	90	165	265	500	160	55	145	140	10	150	35
	~200/E30	Ed30/5	140~315																		38
	~250/E23	Ed23/5	140~250																		42
	~250/E30	Ed30/5	180~315	1.0	535	100	160	250	18	205	110	200	290	570	190	65	180	160	12	180	45
	~250/E50	Ed50/6	315~500	575		190															50
	~300/E23	Ed23/5	180~280		590		160														70
	~300/E30	Ed30/5	250~400	1.25	125		300	18	255	115	245	330	585	225	80	220	180	12	170		75
	~300/E50	Ed50/6	400~630	630		190															80
	~300/E80	Ed80/6	630~1000																		
YWZ ₉ /YZ _{9A}	~315/E23	Ed23/5	180~280		590		160														70
	~315/E30	Ed30/5	250~400	1.25	125		315	18	255	115	245	330	585	225	80	220	180	12	170		75
	~315/E50	Ed50/6	400~630	630		190															80
	~315/E80	Ed80/6	630~1000																		95
	~400/E50	Ed50/6	400~800		710	160	190	400	22	310	160	310	420	715	280	100	270	220	14	170	110
	~400/E80	Ed80/6	630~1250	1.25	700		240							775							125
	~400/E121	Ed121/6	1000~2000	810		190								810							175
	~500/E80	Ed80/6	800~1600	800	200	240	500	22	385	180	365	535		335	130	325	280	16	180		190
	~500/E121	Ed121/6	1120~2500											845							
	~500/E201	Ed201/6	2000~4000																		
YWZ ₅ /YZ _{5A}	~600/E121	Ed121/6	1800~2800																		300
	~600/E201	Ed201/6	2500~4500	1.6	925	240	240	600	26	470	220	450	600	1035	425	170	400	340	25	185	305
	~600/E301	Ed301/6	4000~6500																		310
	~630/E121	Ed121/6	1800~3150																		315
	~630/E201	Ed201/6	2500~5000	1.6	925	250	240	630	26	470	220	450	600	1035	425	170	400	340	25	185	315
	~630/E301	Ed301/6	4000~7100																		315
	~700/E201	Ed201/6	2500~5600																		420
	~700/E301	Ed301/6	4000~8000	1.6	980	280	240	700	27	525	240	500	650	1140	475	190	450	360	30	220	425
	~710/E201	Ed201/6	2500~5600	1.6	980	280	240	700	27	525	240	500	650	1140	475	190	450	360	30	220	420
	~710/E301	Ed301/6	4000~8000																		425
~800/E301/12	Ed301/12	10500~12500	2.0	1230	320	240	800	27	595	280	570	830	1355	530	210	520	440	30	240	545	

- 注: 具体型号、结构及外形尺寸保留更改的权利。 (Note: The size of the specific type and structure should be retained.)
- 根据用户需要可生产各种常开制动器、防爆产品及非标产品。 (Note: According to user needs to produce a variety of normally open brake, explosion-proof products and non-standard products.)
- 根据用户需要可生产匹配YT1制动器。(注: 外形尺寸有变化) (Note: Match the user needs to produce YT1 engine. (Note: Dimension change))



安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YWZ₈系列电力液压鼓式制动器

YWZ₈ SERIES ELECTRO-HYDRAULIC DRUM BRAKES

应用 Application

- YWZ₈系列电力液压鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。

APPLICATION

YWZ₈ series electric hydraulic drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

符合标准 Standards Compliant

- YWZ₈系列电力液压制动器的安装尺寸和制动力矩参数符合JB/ZQ4388-2006标准。技术要求符合JB/T6406-2006标准。

STANDARDS COMPLIANT

- The dimensions and braking torque parameters of YWZ₈ series brakes comply with JB/ZQ4388-2006 standard, technology requirements comply with JB/T6406-2006 standard.

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用过程中无需润滑。
- 联锁式退距均等装置，在使用中始终保持两侧瓦块退距均等，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 无石棉制动衬垫与制动瓦块采用卡装插入式。安全可靠，更换方便、快捷。

MAIN FEATURE

- Safe and reliable performance, smooth braking, high action frequency.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Interlocking shoe clearance balancing device and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- The non asbestos brake pad and the brake pad adopt the clamping plug-in type. It is safe and reliable, convenient and quick to replace.

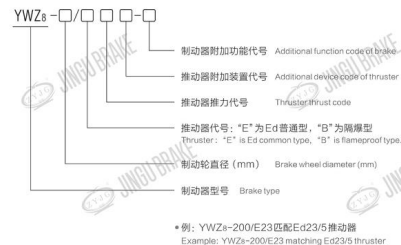
使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019

OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- There shall be no inflammable or explosive gas in the surrounding working environment.
- Relative humidity: the relative humidity of the air is not more than 90%.
- The altitude of the place of use conforms to GB755-2019

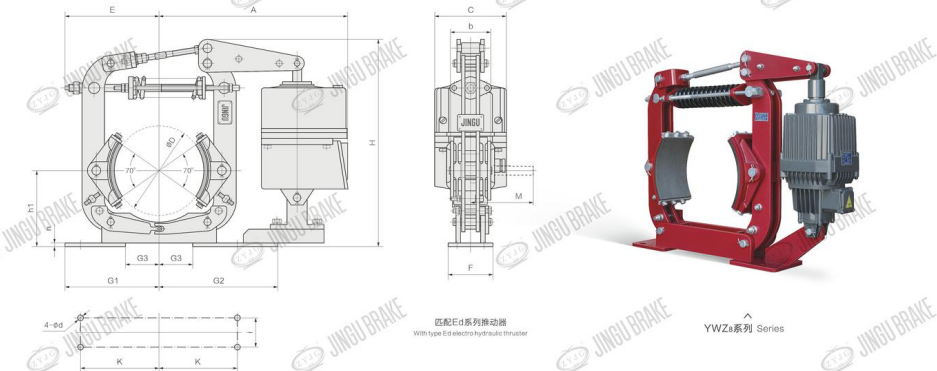
型号意义 Model Significance



制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号 Function code	表示意义 Model Significance
K1	开闸 (上升) 显示行程开关 Opening limit travel switch
K2	闭闸 (下降) 显示行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch
S	手动装置 Manual device

安装及外形尺寸 Outline And Installation Dimension



YWZ₈系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ₈ SERIES DRUM BRAKES

制动器型号 Brake type	匹配制动器 Thruster type	制动力矩 Brake torque (Nm)	通径 Clearance (mm)	安装及外形尺寸 Dimensions (mm)																	重量 Weight (kg)
				A	b	C	D	d	E	F	G1	G2	H	h1	i	K	M	n	G3		
YWZ ₈ -200/E23	Ed23/5	135-200	0.7	430	90	160	200	17	210	100	210	265	470	170	60	175 (190)	140	8	75	35	
YWZ ₈ -200/E30	Ed30/5	135-310																		43	
YWZ ₈ -300/E30	Ed30/5	200-320			500		160													65	
YWZ ₈ -300/E50	Ed50/6	200-550	1	540	140	190	300	22	310	130	300	300	610	240	80	250 (270)	180	12	120	80	
YWZ ₈ -300/E80	Ed80/6	350-850																			
YWZ ₈ -400/E50	Ed50/6	600-750																			
YWZ ₈ -400/E80	Ed80/6	600-1300	1	660	180	190	400	22	355	180	350	400	760	320	130	325	220	14	150	120	
YWZ ₈ -400/E121	Ed121/6	850-2000																			
YWZ ₈ -500/E121	Ed121/6	1000-2600																			
YWZ ₈ -500/E201	Ed201/6	1500-3700	1.2	735	200	240	500	22	455	200	405	455	930	400	150	380	280	16	205	220	
YWZ ₈ -600/E121	Ed121/6	1700-2800																			
YWZ ₈ -600/E201	Ed201/6	1700-4300																			
YWZ ₈ -600/E301	Ed301/6	3000-6500	1.3	845	240	240	600	26	543	220	500	550	1110	475	170	475	340	20	240	360	
YWZ ₈ -700/E201	Ed201/6	3000-5000																			
YWZ ₈ -700/E301	Ed301/6	3700-8000																			
YWZ ₈ -800/E301/12	Ed301/12	6000-10000	1.6	1027	320	240	800	34	640	310	670	830	1430	600	240	620	440	38	310	560	

- 注: 若安装尺寸为括号内尺寸时, 订货时需特别指出。 Note: If the installation size is in brackets, it should be noted when ordering.
- 具体型号, 结构及外形尺寸保留更改的权利。 The size of the specific type and structure should be retained.

YWZ13系列电力液压鼓式制动器

YWZ13 SERIES ELECTRO-HYDRAULIC DRUM BRAKES

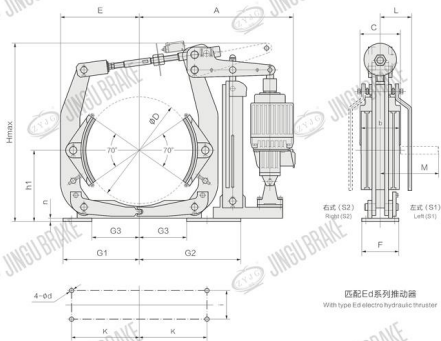
应用 Application

- YWZ13系列电力液压鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。
- YWZ13 series electric hydraulic drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

符合标准 Standards Compliant

- 该系列制动器的安装尺寸和制动力矩参数符合JB/ZQ4388-2006标准。技术要求符合JB/T6406-2006标准。
- The installation dimensions and braking torque parameters of this series of brakes comply with JB/ZQ 4388-2006 standard. The technical requirements shall comply with JB/T6406-2006 standard.

安装及外形尺寸 Outline And Installation Dimension



P009 / 河南金箍®工业制动系统提供商

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，在使用中无需润滑。
- 联锁式退距均衡装置，避免因退距不均使一侧制动衬垫浮贴制动轮。
- 无石棉制动衬垫与制动瓦块采用卡装插入式。安全可靠，更换方便、快捷。
- Safe and reliable performance, smooth braking, high frequency of action.
- The main swing hinge points are equipped with self-lubricating bearings, which have high transmission efficiency, long service life and no lubrication during use.
- Interlocking distance equalizing device to avoid brake pads floating on brake wheels.
- Brake lining is of card-mounted and entirely-shaped structure, which is easy and quick to replace.

使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019

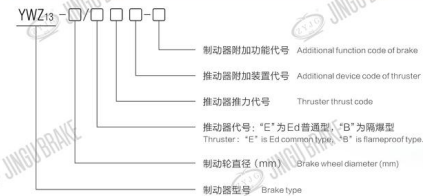
OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- Flammable, explosive and corrosive gases shall not be allowed in the surrounding working environment, otherwise anti-corrosion products shall be used.
- Relative humidity: the relative humidity of the air is not more than 90%.
- The altitude of the place of use conforms to GB755-2019

制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号 Function code	表示意义 Model Significance
M	衬垫磨损制动补偿装置 Pad wear brake compensation device
K1	开闸限位行程开关 Opening limit travel switch
K2	闭闸限位行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch
S1	左式手动装置 Left hand device
S2	右式手动装置 Right hand manual device

型号意义 Model Significance



- 注：根据用户需求可生产各种常开式制动器、防爆产品及非标产品。
Note: Various normally open brakes, explosion-proof products and non-standard products can be manufactured according to users' needs.



YWZ13系列 Series

YWZ13系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ13 SERIES DRUM BRAKES

制動器型號 Brake type	匹配推動器 Thruster type	制動力矩 Brake torque (Nm)	退距 Clearance (mm)	安裝及外形尺寸 Dimensions (mm)																	重量 Weight (kg)
				A	b	C	L	d	D	E	F	G1	G2	Hmax	h1	i	K	M	n	G3	
YWZ13-200/E23	Ed23/5	100~200	0.7	470	90	160	150	17	200	175	100	210	265	510	170	60	175 (190)	140	8	75	32
YWZ13-200/E30	Ed30/5	140~315																			
YWZ13-300/E30	Ed30/5	250~400		590		160															65
YWZ13-300/E50	Ed50/6	400~630	0.8	630	140	190	170	22	300	255	130	295	330	605	240	80	250 (270)	180	12	135	80
YWZ13-300/E80	Ed80/6	630~1000																			92
YWZ13-400/E50	Ed50/6	400~800																			120
YWZ13-400/E80	Ed80/6	630~1250	1.2	710	180	190	170	22	400	310	180	350	420	765	320	130	325	220	14	150	130
YWZ13-400/E121	Ed121/6	1000~2000			700		240								820						150
YWZ13-500/E80	Ed80/6	800~1600			810										880						
YWZ13-500/E121	Ed121/6	1250~2500	1.2	800	200	240	180	22	500	380	200	405	535	900	400	150	380	280	16	205	220
YWZ13-500/E201	Ed201/6	2000~4000																			
YWZ13-600/E121	Ed121/6	1800~2800																			
YWZ13-600/E201	Ed201/6	2500~4500	1.3	925	240	240	185	26	600	470	220	500	600	1080	475	170	475	340	20	240	305
YWZ13-600/E301	Ed301/6	4000~6500																			
YWZ13-700/E201	Ed201/6	2500~5600		1.3	980	280	240	220	34	700	530	270	570	650	1290	550	200	540	380	25	300
YWZ13-700/E301	Ed301/6	4000~8000																			
YWZ13-800/E301	Ed301/12	12500	2.0		1230	320	240	240	34	800	600	310	670	830	1420	600	240	620	420	34	310

- 注：若安装尺寸为括号内时，订货时需特别指出。 Note: If installation dimensions are in brackets, special instructions should be made when ordering.
- 具体型号、结构及外形尺寸保留更改的权利。 The size of the specific type and structure should be retained.

JINGU BRAKES / P010



安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YW系列电力液压鼓式制动器

YW SERIES ELECTRO-HYRAULIC DRUM BRAKES

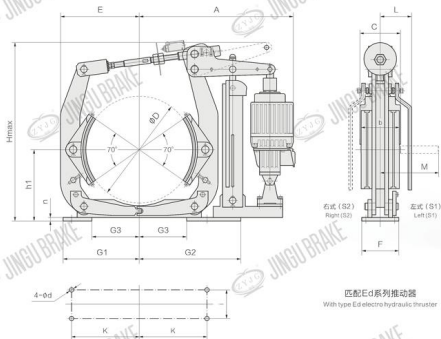
应用 Application

- YW系列电力液压鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。
- YW Series electric hydraulic drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

符合标准 Standards Compliant

- YW系列制动器的安装尺寸和制动力矩参数符合DIN15435和JB/T7021-2006标准。技术要求符合JB/T6406-2006标准。
- The installation dimensions and braking torque parameters of YW series brakes conform to DIN15435 and JB/T7021-2006 standards. The technical requirements conform to JB/T6406-2006 standard.

安装及外形尺寸 Outline And Installation Dimension



使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019
- 有特殊要求时，在订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- Flammable, explosive and corrosive gases are not allowed in the surrounding working environment, otherwise anti-corrosion products should be used.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use conforms to GB755-2019
- Special requirements can be discussed before production.

安装型式 Installation Type

- 制动衬垫的安装型式有两种：铆接式和插入式（订货时请说明）。There are two types of brake pad installation: riveting type and plug-in type (please specify when ordering).



YW系列 Series

型号意义 Model Significance



制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号 Function code	表示意义 Model Significance
M	衬垫磨损制动补偿装置 Pad wear brake compensation device
K1	开闸（上升）显示行程开关 Opening limit travel switch
K2	闭闸（下降）显示行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch
S1	左式手动装置 Left hand device
S2	右式手动装置 Right hand manual device

YW系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YW SERIES DRUM BRAKES

制動器型號 Brake type	匹配推動器 Thruster type	制動力矩 Brake torque (Nm)	退距 Clearance (mm)	安裝及外形尺寸 Dimensions (mm)																	重量 Weight (kg)																	
				A	b	C	D	d	E	F	G1	G2	Hmax	h1	i	K	M	n	L	G3																		
YW160-E23	Ed23/5	80~160	1.0	430	65	160	160	14	145	85	145	195	400	132	55	130	105	8	145	65	32.5																	
YW200-E23	Ed23/5	100~200	1.0	470	70	160	200	14	175	90	165	265	500	160	55	145	118	10	150	75	35																	
YW200-E30	Ed30/5	150~335																				38																
YW250-E23	Ed23/5	125~250	1.0	530	90	160	250	18	205	110	200	290	585	190	65	180	149	12	180	100	45																	
YW250-E30	Ed30/5	180~350		533																	48																	
YW250-E50	Ed50/6	300~550		570																	53																	
YW250-E80	Ed80/6	300~970		570																	56																	
YW315-E23	Ed23/5	150~320	1.25	590	110	160	315	17	255	115	245	330	585	230	80	220	174	17	170	135	70																	
YW250-E80	Ed30/5	200~450		620																	75																	
YW250-E80	Ed50/6	315~710		680																	80																	
YW250-E80	Ed80/6	630~1240		680																	138																	
YW400-E30	Ed30/6	200~470	1.25	710	140	190	400	22	310	160	310	420	715	280	100	270	211	14	170	150	140																	
YW400-E50	Ed50/6	400~800		700																	155																	
YW400-E80	Ed80/6	630~1250	1.25	810	180	190	500	22	390	180	365	535	815	340	130	325	270	21	180	185	176																	
YW400-E121	Ed121/6	1000~2240		800																	204																	
YW500-E50	Ed50/6	450~1235		1.25																	810	180	190	500	22	390	180	365	535	815	340	130	325	270	21	180	185	204
YW500-E80	Ed80/6	800~1600																			800																	204
YW500-E121	Ed121/6	1250~2500	1.6		925	225	240	630	26	470	220	450	600	1035	420	170	400	330	20	185	280																	310
YW500-E201	Ed201/6	2000~4000		980	310																																	
YW630-E121	Ed121/6	1600~3150		925	315																																	
YW630-E201	Ed201/6	2500~5000	1.6	925	225	240	630	26	470	220	450	600	1035	420	170	400	330	20	185	280	315																	
YW630-E301	Ed301/6	3550~7100		980																	315																	
YW710-E121	Ed121/6	1000~3250		1.6																	980	225	240	710	27	530	240	500	650	1135	470	190	450	372	25	220	300	435
YW710-E201	Ed201/6	2500~5600																			980																	315
YW710-E301	Ed301/6	4000~8000	2.0	1227	280	240	800	27	600	280	570	830	1360	530	210	520	410	30	240	310	600																	
YW800-E301	Ed301/12	12500		1227																	600																	

- 注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

YWW系列电力液压鼓式制动器

YWW SERIES ELECTRO-HYRAULIC DRUM BRAKES

应用 Application

- YWW系列电力液压鼓式制动器，是一种卧式安装（相对于制动轮轴线为水平安装）的制动器，主要用于门座式起重机和塔式起重机等回转机构的减速制动。

APPLICATION

The YWW series electro-hydraulic brake is horizontally mounted (horizontal installation relative to drum axis), it is mainly used for deceleration braking of slewing mechanism of gantry crane and tower crane.

符合标准 Standards Compliant

- YWW系列为常闭式，主要用于需要停车定位的回转机构的制动。其连接尺寸和技术要求符合JB/T6406-2006标准。
- 配备符合DIN15430标准的Ed系列电力液压推动器。

STANDARDS COMPLIANT

The YWW series is normally closed, mainly used for braking of the turning mechanism requiring parking position. The connection dimensions and technical requirements conform to JB/T6406-2006 standard. They are equipped with Ed series thrusters which comply with DIN15430 standard.

使用条件 Operating Condition

- 环境温度：-20℃ ~ +50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 电源电压：3相、交流380V、50Hz（其它电源等级可按需要定制）
- 有特殊要求时，在订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -20℃ ~ +50℃
- Flammable, explosive and corrosive gases are not allowed in the surrounding working environment, otherwise anti-corrosion products should be used.
- Relative humidity: the relative humidity of the air is not more than 90%
- Voltages: AC 3 phase 380V, 50Hz (Other voltage can be made as required)
- Special requirements can be discussed before production.

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用中无需润滑。
- 联锁式退距均衡装置，在使用中始终保持两侧瓦块退距相等，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 制动衬垫为卡装式整体成型结构，更换十分方便、快捷。
- 制动弹簧设在方管内布置并设有标尺，保护弹簧不受损坏和污染。
- 采用Ed系列推动器配套，动作灵敏，寿命长。
- 设有可调式支承装置，确保制动器工作的灵活自如。

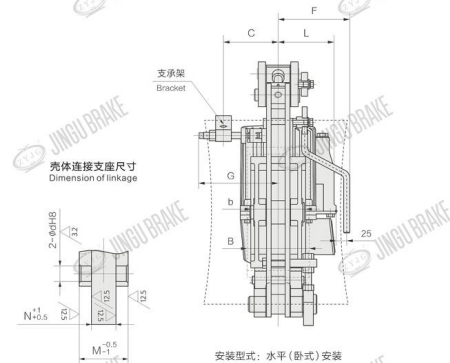
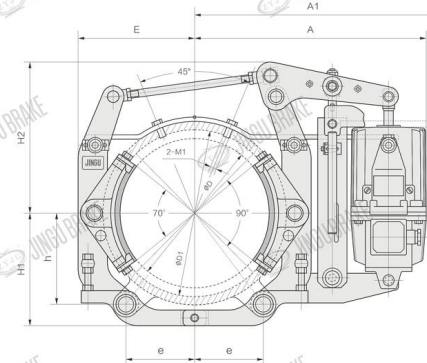
MAIN FEATURE

- Safe and reliable performance, smooth braking, high action frequency.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Interlocking shoe clearance balancing device and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- Brake lining is of clamped integral forming structure, which is easy and quick to replace.
- Enclosed spring tube protects spring from damage and contamination.
- The Ed series thrusters are characterized by flexible action and long operating life.
- Adjustable bracket ensure the brake well.



YWW系列 Series

安装及外形尺寸 Outline And Installation Dimension



YWW系列鼓式制动器尺寸和技术参数 TECHNICAL DATA AND DIMENSIONS OF YWW SERIES DRUM BRAKES

制动器型号 Brake type	配套推动器 Thrustor type	制动力矩 Brake torque (Nm)	安装及外形尺寸 Dimensions (mm)															重量 Weight (kg)
			D	h	e	b	E	A	A1	H1	H2	C	G	L	F	D1	B	
YWW200-300	Ed300-50	140-280	200	140	108	70	170	410	470	168	330	120	185	118	225	250	90	48
YWW300-300	Ed300-50	200-400	300	185	135	125	260	540	570	245	390	130	195	118	210	380	145	81
YWW300-500	Ed500-60	315-630						560	665					158	190			93
YWW315-300	Ed300-50	200-400	315	185	135	110	260	540	570	245	390	130	195	118	210	380	130	73
YWW315-500	Ed500-60	400-800						560	665					158	250			85
YWW400-300	Ed300-50	250-500	400	235	177	140	305	595	630	290	420	140	200	118	210	470	165	102
YWW400-500	Ed500-60	315-630						595	710					158	250			116
YWW400-800	Ed800-60	630-1250	500	275	262	180	370	720	725	343	525	149	215	158	250	570	210	200
YWW500-800	Ed800-60	800-1600						770	955					148	235			206
YWW500-1250	Ed1250-60	1250-2500	500	275	262	180	370	770	955	343	525	149	215	148	235	570	210	206
YWW500-2000	Ed2000-60	2000-4000						770	955					148	235			206

注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.



安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YW-E系列二级电力液压鼓式制动器

YW-E SERIES TWO-STAGE ELECTRO-HYRAULIC DRUM BRAKES

应用 Application

- YW-E系列二级电力液压鼓式制动器，主要适用于起重机械行走机构的制动和皮带运输机的工作制动。该系列制动器为两级制动式制动装置，第二级的制动时间可通过单向调速阀进行调整，制动平稳，安全可靠。

APPLICATION

- YW-E series two-stage electric hydraulic drum brake is mainly applicable to the braking of crane traveling mechanism and the working braking of belt conveyor. This series of brakes are two-stage braking devices. The braking time of the second stage can be adjusted through the one-way speed regulating valve, so the braking is stable, safe and reliable.

符合标准 Standards Compliant

- YW-E系列制动器的安装尺寸参数符合DIN15435和JB/T7021-2006标准。技术要求符合JB/T6406-2006标准。
- 配套符合DIN15430标准的Ed系列电力液压推动器。

STANDARDS COMPLIANT

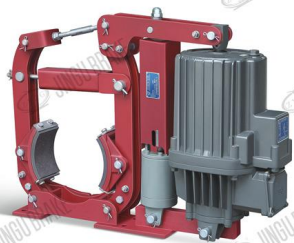
- The installation dimension parameters of YW-E series brakes comply with din15435 and JB/T7021-2006 standards. The technical requirements shall comply with JB/T6406-2006 standard.
- Thrusters equipped on them are Ed series thrusters which comply with DIN15430 standard.

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用过程中无需润滑。
- 联锁式退距相等装置，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 户外雨雪侵蚀或有腐蚀性气体和介质，应采用防腐型产品。

MAIN FEATURE

- Safe and reliable performance, smooth braking, high action frequency.
- Main hinge points are equipped with self-lubricating bearings, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Interlocking shoe clearance balancing device, make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- Outdoor rain and snow erosion or corrosive gases and media, should use anti-corrosion products.



YW-E系列 Series

使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 制动器周围工作环境中不得有易燃、易爆气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度不超过2000m
- 电源电压：3相、交流380V、50Hz（其它电源等级可按需要定制）
- 适用的工作制：间歇性（S3~60%，操作频率<1200次/小时）和连续（S1）
- 有特殊要求时，在订货时协商确定。

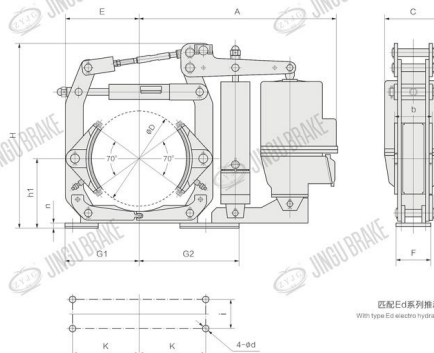
OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- There shall be no inflammable or explosive gas in the surrounding working environment.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use shall not exceed 2000m
- Voltages: AC 3 phase 380V, 50Hz (Other voltage can be made as required)
- Operating duty: Intermittent (S3~60%, 1200 times per hour) and continuous (S1)
- Special requirements can be discussed before production.



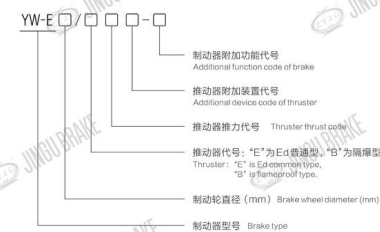
DRUM BRAKES 鼓式制动器

安装及外形尺寸 Outline And Installation Dimension



匹配Ed系列推动器
With type Ed electro hydraulic thruster

型号意义 Model Significance



产品示例 Product Examples

- YW-E315/50 YW-E315/50-M.S1.K1.K3
- YW-E315/50-M.S1-440V.60Hz

YW-E系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YW-E SERIES DRUM BRAKES

制动力型号 Brake type	匹配推动器 Thrustor type	制动力矩 (Brake torque (Nm))			安装及外形尺寸 (Dimensions (mm))															重量 (kg)
		第一步制动力 First step	第二步制动力 Second step	总制动力矩 Total torque	D	A	E	H	h1	G1	G2	i	K	n	d	b	C			
YW-E200/E23	Ed23/5	35-80	80-150	230	200	490			520									160	42	
YW-E200/E30	Ed30/5	80-160	80-155	315		500	190		520	160	165	265	55	145	10	14	70	160	46	
YW-E200/E50	Ed50/6	120-250	120-250	500		535			560									190	56	
YW-E250/E30	Ed30/5	80-160	95-155	315	250	580	225	590	190	200	300	65	180	12	18	90	190	90	65	
YW-E250/E50	Ed50/6	160-315	160-315	630														90		
YW-E315/E30	Ed30/5	200-400	200-400	800														160	95	
YW-E315/E50	Ed50/6	200-400	200-400	800	315	655	270	620	230	245	330	80	220	12	18	110		123		
YW-E315/E80	Ed80/6	315-630	315-630	1260														190	126	
YW-E400/E50	Ed50/6	160-315	160-315	630			740	318	720										133	
YW-E400/E80	Ed80/6	315-630	315-630	1260	400				280	310	420	100	270	14	22	140	190	150		
YW-E400/E121	Ed121/6	630-1250	630-1250	2500			770	218	775									240	150	

•注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.



安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YW-K系列常开型电力液压鼓式制动器

YW-K SERIES OFTEN OPEN ELECTRO-HYRAULIC DRUM BRAKES

应用 Application

- YW-K系列电力液压鼓式制动器，主要用于各类通用桥、门式起重机的车运行机构的减速制动，也可用于非提升式绞车驱动装置减速制动。

APPLICATION

- YW-K series electric hydraulic drum brake is mainly used for deceleration braking of trolley running mechanism of all kinds of universal bridge and gantry crane, and also for deceleration braking of non-lifting winch drive.

符合标准 Standards Compliant

- YW-K系列常开式制动器的连接尺寸和技术要求符合JB/T6406-2006标准，制动力矩参数符合GB6333-86标准。
- 配备符合DIN15430标准的Ed系列电力液压推动器。

STANDARDS COMPLIANT

- The dimensions and braking torque parameters of YW-K series normal open brakes comply with JB/T6406-2006 standard and DIN15430 standard.
- They are equipped with Ed series thrusters which comply with DIN15430 standard.

使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 电源电压：3相、交流380V、50Hz（其它电源等级可按需要定制）
- 有特殊要求时，在订货时协商确定。

OPERATING CONDITION

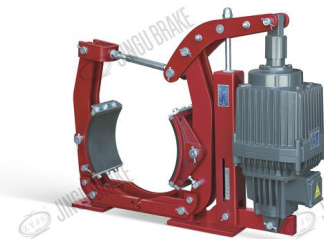
- Ambient temperature: -20℃~+50℃
- Flammable, explosive and corrosive gases are not allowed in the surrounding working environment, otherwise anti-corrosion products should be used.
- Relative humidity: the relative humidity of the air is not more than 90%
- Voltages: AC 3 phase 380V, 50Hz (Other voltage can be made as required)
- Special requirements can be discussed before production.

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动支点均设有自润滑轴承，传动效率高，寿命长，使用中无需润滑。
- 联锁式退距均等装置，在使用中始终保持两侧瓦块退距均等，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 制动衬垫为卡装式整体成型结构，更换十分方便、快捷。
- 制动弹簧设在方管内布置并设有标尺，保护弹簧不受损坏和污染。
- 采用Ed系列推动器配套，动作灵敏，寿命长。
- 常开式设计，（通电）推动器制动，（断电）弹簧释放。

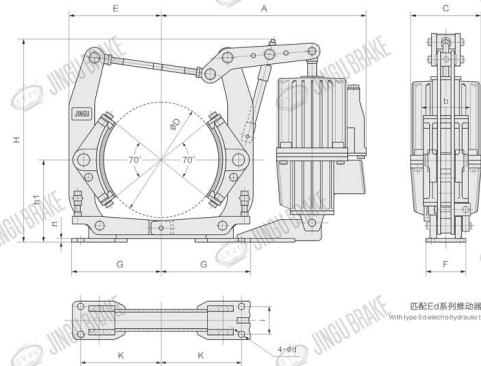
MAIN FEATURE

- Safe and reliable performance, smooth braking, high action frequency.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Interlocking shoe clearance balancing device and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- Brake lining is of clamped integral forming structure, which is easy and quick to replace.
- Enclosed spring tube protects spring from damage and contamination.
- The Ed series thrusters are characterized by flexible action and long operating life.
- Normally open design, (power on) Braking by thruster, (power off) spring release.

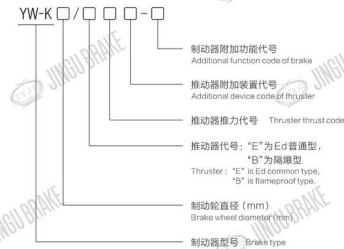


YW-K系列 Series

安装及外形尺寸 Outline And Installation Dimension



型号意义 Model Significance



产品示例 Product Examples

- YW-K315/50 YW-K315/50-K1.K3

YW-K系列鼓式制动器尺寸和技术参数 TECHNICAL DATA AND DIMENSIONS OF YW-K SERIES DRUM BRAKES

制动器型号 Brake type	匹配推动器 Thruster type	制动力矩 Brake torque (Nm)	安装及外形尺寸 Dimensions (mm)														重量 Weight (kg)
			D	h1	K	i	d	n	b	F	G	E	H	A	C		
YW-K160/E23	Ed 23/5	100	160	132	130	55	14	6	65	90	150	145	390	410	160	24	
YW-K200/E23	Ed 23/5	140	200	160	145	55	14	8	70	90	165	170	470	435	160	30	
YW-K200/E30	Ed 30/5	224														30	
YW-K250/E23	Ed 23/5	200	250	190	180	65	18	10	90	100	200	205	555	525	195	38	
YW-K250/E30	Ed 30/5	250														37	
YW-K250/E50	Ed 50/6	450														38	
YW-K300/E30	Ed 30/6	315	300	225	220	80	18	10	125	110	245	255	575	575	160	58	
YW-K300/E50	Ed 50/6	630														86	
YW-K315/E30	Ed 30/6	315														58	
YW-K315/E50	Ed 50/6	560	315	230	220	80	18	10	110	110	245	255	575	575	195	86	
YW-K315/E80	Ed 80/6	900														88	
YW-K400/E50	Ed 50/6	710	400	280	270	100	22	12	140	140	300	305	695	615	195	99	
YW-K400/E80	Ed 80/6	1120														100	
YW-K400/E121	Ed 121/6	1800														120	
YW-K500/E80	Ed 80/6	1400	500	340	325	130	22	16	180	180	365	370	835	705	240	148	
YW-K500/E121	Ed 121/6	2240														162	
YW-K500/E201	Ed 201/6	3550														162	

注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.



安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YW-L系列电力液压鼓式制动器

YW-L SERIES ELECTRO-HYRAULIC DRUM BRAKES

应用 Application

- YW-L系列电力液压鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。

APPLICATION

- YW-L series electric hydraulic drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

主要特点 Main Feature

- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用过程中无需润滑。
- 性能安全可靠，制动平稳，动作频率高。
- 制动力矩直接显示。
- 无石棉制动衬垫与制动瓦块采用卡装插入式。安全可靠，更换方便、快捷。

MAIN FEATURE

- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Safe and reliable performance, smooth braking, high action frequency.
- The braking torque is displayed directly.
- The non asbestos brake pad and the brake pad adopt the clamping plug-in type. It is safe and reliable, convenient and quick to replace.

使用条件 Operating Condition

- 环境温度：-20℃ ~ +50℃
- 制动器周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019

OPERATING CONDITION

- Ambient temperature: -20℃ ~ +50℃
- There shall be no inflammable or explosive gas in the surrounding working environment.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use conforms to GB755-2019

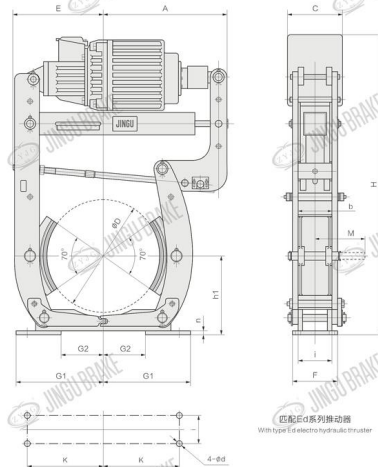
符合标准 Standards Compliant

- YW-L系列制动器的安装尺寸符合DIN15435和JB/T7021-2006标准。
- 技术要求符合JB/T6406-2006标准。

STANDARDS COMPLIANT

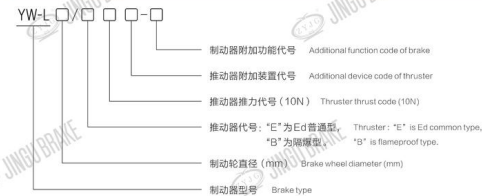
- The installation dimension of YW-L brake conforms to DIN15435 and JB/T7021-2006 standards. The technical requirements conform to JB/T6406-2006 standard.

安装及外形尺寸 Outline And Installation Dimension



DRUM BRAKES 鼓式制动器

型号意义 Model Significance



产品示例 Product Examples

- 轮径φ400mm，制动器Ed80/6，标记为：YW-L400/E80



YW-L系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YW-L SERIES DRUM BRAKES

制动器型号 Brake type	匹配制动器 Thruster type	制动力矩 Brake torque (Nm)	通距 Clearance (mm)	安装及外形尺寸 Dimensions (mm)																	重量 Weight (kg)
				A	b	C	D	d	E	F	G1	G2	H	h1	i	K	M	n	G3		
YW-L200/E23	Ed23/5	200	0.6	215	70	160	200	14	180	100	165	165	710	160	55	145	165	10	75	46	
YW-L200/E30	Ed30/5	300		255					210				705							52	
YW-L250/E23	Ed23/5	260	0.8			160							795							53	
YW-L250/E30	Ed30/5	380		310	90		250	18	230	110	200	200	790	190	65	180	225	12	100	61	
YW-L250/E50	Ed50/6	700				190				140			865							69	
YW-L315/E23	Ed23/5	290	1.0			160							895							72	
YW-L315/E30	Ed30/5	410					315	18	275		120			890							78
YW-L315/E50	Ed50/6	720				190							970							81	
YW-L315/E80	Ed80/6	1200								145										92	
YW-L400/E30	Ed30/5	390	1.25	370		160							955							98	
YW-L400/E50	Ed50/6	750			140	190	400	22	340	160	310	310	1075	280	100	270	280	14	150	102	
YW-L400/E80	Ed80/6	1250		400																114	
YW-L400/E121	Ed121/6	1900				240							1065							132	
YW-L500/E50	Ed50/6	900	1.25			190							1245							154	
YW-L500/E80	Ed80/6	1650					500	22	400	200	365	365									159
YW-L500/E121	Ed121/6	2500		435	180								1235	340	130	325	350	21	185	176	
YW-L500/E201	Ed201/6	4100																		181	

注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

YW-P系列电力液压鼓式制动器

YW-P SERIES ELECTRO-HYRAULIC DRUM BRAKES

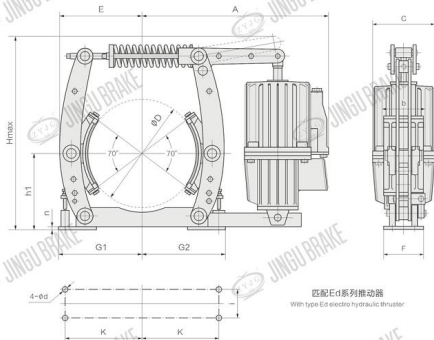
应用 Application

- YW-P系列鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。
- YW-P series drum brakes are widely used for deceleration and parking brakes of mechanical drive devices such as lifting, transportation, metallurgy, mines, ports, docks, construction machinery, etc.

符合标准 Standards Compliant

- YW-P系列制动器的安装尺寸符合DIN15435和JB/T7021-2006标准。
YW-P-A安装尺寸符合GB6333-1986。技术要求符合JB/T6406-2006标准。
- YW-P series brakes are installed in accordance with DIN1545 and JB/T7021-2006. YW-P-A mounting dimensions conform to GB6333-1986. Technical requirements meet JB/T6406-2006 standards.

安装及外形尺寸 Outline And Installation Dimension



主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，在使用中无需润滑。
- 联锁式退距均衡装置，在使用过程中始终保持两侧瓦块退距相等，避免因退距不均使一侧制动衬垫磨损沾制动轮的现象。
- 无石棉制动衬垫与制动瓦块采用卡装插入式。安全可靠，更换方便、快捷。

- Safe and reliable performance, smooth braking, high frequency of action.
- The main swing hinge points are equipped with self-lubricating bearings, which have high transmission efficiency, long service life and no lubrication during use.
- Interlocking shoe clearance balancing device and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- Brake lining is of card-mounted and entirely -shaped structure, which is easy and quick to replace.

使用条件 Operating Condition

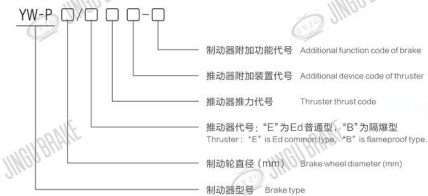
- 环境温度：-20℃~+50℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019
- 有特殊要求时，在订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- Flammable, explosive and corrosive gases shall not be allowed in the surrounding working environment, otherwise anti-corrosion products shall be used.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use conforms to GB 755-2019
- Special requirements can be discussed before production.

- 例：YW-P200/E23匹配Ed23/5推动器
YW-P200/E23-A匹配Ed23/5推动器

型号意义 Model Significance



YW-P系列 Series

YW-P系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YW-P SERIES DRUM BRAKES

制动力型号 Brake type	匹配推动器 Thruster type	制动力矩 Brake torque (Nm)	通距 Clearance (mm)	安装及外形尺寸 Dimensions (mm)														重量 Weight (kg)		
				A	b	C	D	d	E	F	G1	G2	Hmax	h1	i	K	M		n	
YW-P160/E23	Ed23/5	90~180	1.0	378	65	160	160	14	170	85	145	175	420	132	55	130	105	8	32.5	
YW-P200/E23	Ed23/5	135~200	0.7	430	80	160	200	14	210	90	165	265	465	160	55	145	118	10	35	
YW-P200/E30	Ed30/5	135~310		425															39	
YW-P250/E30	Ed30/5	180~350	0.8	450	90	160	250	18	240	110	200	290	512	190	65	180	150	12	45	
YW-P250/E50	Ed50/6	300~550		490						260				552						
YW-P300/E30-A	Ed30/5	200~320	1.0	490	125	160	300	18	278	115	250	330	575	225	80	220	174	9	75	
YW-P315/E30	Ed30/5	200~315	1.0	500		160													80	
YW-P315/E50	Ed50/6	355~600		542	110									230					87	
YW-P315/E80	Ed80/6	560~950																	90	
YW-P315/E30-A	Ed30/5	200~315		500		160		315	18	310	115	245	330	595		80	220	174	12	80
YW-P315/E50-A	Ed50/6	355~600	1.0		125									225					87	
YW-P315/E80-A	Ed80/6	560~950		542		190													90	
YW-P400/E80	Ed80/6	700~1250	1.0	660	140														113	
YW-P400/E80-A	Ed80/6	700~1250	1.25		160		190	400	22	355	160	310	320	732	280	100	270	211	14	115
YW-P400/E50-A	Ed50/6	450~710		595	140															115
YW-P400/E121	Ed121/6	850~2000		660	160									770					130	
YW-P500/E121	Ed121/6	1440~2240	1.25	735	180	240	500	22	405	180	365	535	865	340	130	325	270	16	146	
YW-P500/E201	Ed201/6	2240~3550																		
YW-P630/E121	Ed121/6	1700~2800	1.3	845	225	240	630	27	543	220	450	600	1032	420	170	400	330	20	165	
YW-P630/E201	Ed201/6	1700~4500																		
YW-P630/E301	Ed301/6	3000~6300																		

注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

YW-Q系列液压气动两用鼓式制动器

YW-Q SERIES HYDRAULIC PNEUMATIC DUAL-PURPOSE DRUM BRAKES

应用 Application

• YW-Q系列液压气动鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。

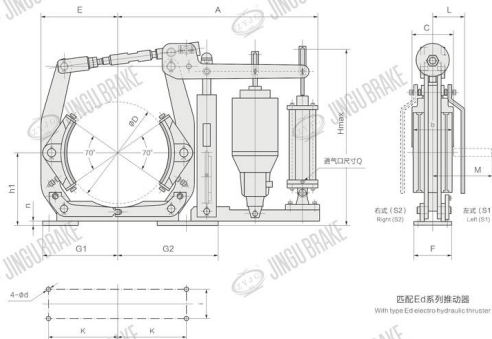
• YW-Q series hydraulic pneumatic dual-purpose drum brake is widely used for deceleration and parking brake of mechanical driving devices such as lifting, transportation, metallurgy, mine, port, wharf, construction machinery and so on.

符合标准 Standards Compliant

• YW-Q系列液压气动鼓式制动器的安装尺寸制动力矩参数符合GB6333-86标准。技术要求符合JB/T6406-2006标准。

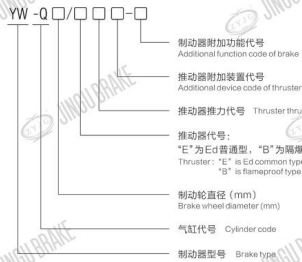
• The dimensions and braking torque parameters of YW-Q series brakes comply with GB6333-86 standard, technology requirements comply with JB/T6406-2006 standard.

安装及外形尺寸 Outline And Installation Dimension



匹配Ed系列推动器
With type Ed electro-hydraulic thruster

型号意义 Model Significance



• 注：根据用户需要可生产各种液压气动两用制动器，防爆产品及非防爆产品。
Note: Various hydraulic and pneumatic dual-purpose brakes, explosion-proof products and non-standard products can be produced according to the needs of users.

YW-Q系列液压气动鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YW-Q SERIES DRUM BRAKES

制动力型号 Brake type	匹配推动器 Thruster type	制动力矩 Brake torque (Nm)	退距 Clearance (mm)	安装及外形尺寸 Dimension (mm)																	重量 Weight (kg)	
				A	b	C	D	d	E	F	G1	G2	Hmax	h1	i	K	M	n	L	Q		
YW-Q160/E23	Ed23/5	80~160	1.0	430	65	160	160	14	145	85	145	195	435	132	55	130	120	8	145	PT1/8	32.5	
YW-Q200/E23	Ed23/5	112~200	1.0	580	80	160	200	14	175	90	165	265	530	160	55	145	140	10	150	PT1/8	35	
YW-Q200/E30	Ed30/5	140~315																			38	
YW-Q250/E23	Ed23/5	140~250																			42	
YW-Q250/E30	Ed30/5	180~315	1.0	650	100	160	250	18	205	110	200	290	630	190	65	180	160	12	180	PT1/4	45	
YW-Q250/E50	Ed50/6	315~500		685		190															50	
YW-Q300/E23	Ed23/5	180~280																			70	
YW-Q300/E30	Ed30/5	250~400		700		160															70	
YW-Q300/E50	Ed50/6	400~630																			75	
YW-Q300/E80	Ed80/6	630~1000	1.25	740		190		300	18	255	115	245	330	620	225	80	220	180	12	170	PT1/4	80
YW-Q315/E23	Ed23/5	180~280																			70	
YW-Q315/E30	Ed30/5	250~400																			75	
YW-Q315/E50	Ed50/6	400~630	1.25	125			315	18	255	115	245	330	620	225	80	220	180	12	170	PT1/4	75	
YW-Q315/E80	Ed80/6	630~1000		740		190															80	
YW-Q400/E30	Ed30/5	200~470				160								760							88	
YW-Q400/E50	Ed50/6	400~800																			95	
YW-Q400/E80	Ed80/6	630~1250	1.25	820	160	190	400	22	310	160	310	420		280	100	270	220	14	170	PT3/8	110	
YW-Q400/E121	Ed121/6	1000~2000				240								820							125	
YW-Q500/E50	Ed50/6	450~1000				190															175	
YW-Q500/E80	Ed80/6	800~1600	1.25	930	200		500	22	385	180	365	535		860	335	130	325	280	16	180	PT3/8	190
YW-Q500/E121	Ed121/6	1120~2500				240								900							300	
YW-Q500/E201	Ed201/6	2000~4000																			190	
YW-Q600/E121	Ed121/6	1800~2800																			300	
YW-Q600/E201	Ed201/6	2500~4500	1.6	1080	240	240	600	26	470	220	450	600	1100	425	170	400	340	25	185	PT1/2	305	
YW-Q600/E301	Ed301/6	4000~6500																			310	
YW-Q630/E121	Ed121/6	1800~3150																			310	
YW-Q630/E201	Ed201/6	2500~5000	1.6	1080	250	240	630	26	470	220	450	600	1100	425	170	400	340	25	185	PT1/2	315	
YW-Q630/E301	Ed301/6	4000~7100																			315	

• 注：具体型号、结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.
• 根据用户需要可生产各种常开制动器、防爆产品及非防爆产品。 According to user needs to produce a variety of normally open brake, explosion-proof products and non-standard products.
• 根据用户需要可生产匹配Y11推动器。(注：外形尺寸有变化) Match the user needs to produce Y11 engine. (Note: Dimension change)

QWZ₅系列气动鼓式制动器QWZ₅ SERIES PNEUMATIC DRUM BRAKES

应用 Application

- QWZ₅系列气动鼓式制动器，广泛应用于现场配有气源的各种起重、皮带运输、矿山机械、冶金机械及港口装卸等各种机构的减速和停车制动。

APPLICATION

QWZ₅ series pneumatic drum brake is widely used for deceleration and parking brake of various hoisting, belt transportation, mining machinery, metallurgical machinery and port handling equipped with air source.

符合标准 Standards Compliant

- QWZ₅系列气动制动器的安装尺寸符合DIN15435和JB/T7021-2006标准。技术要求符合JB/T6406-2006标准。

STANDARDS COMPLIANT

- The installation dimension of QWZ₅ brake conforms to DIN15435 and JB/T7021-2006 standards. The technical requirements conform to JB/T6406-2006 standard.

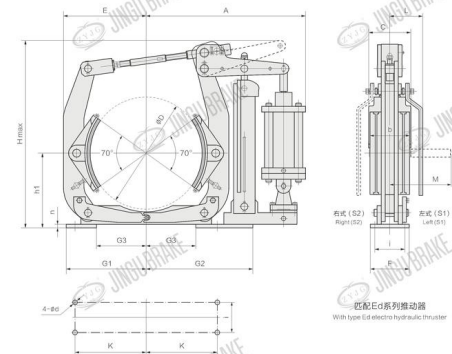
使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 制动器周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 工作压力：0.5~0.7MPa
- 有特殊要求时，在订货时协商确定。

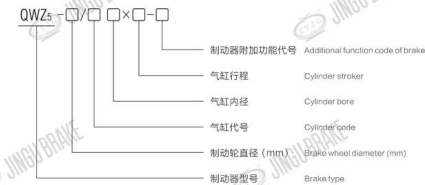
OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- Flammable, explosive and corrosive gases are not allowed in the surrounding working environment, otherwise anti-corrosion products should be used.
- Relative humidity: the relative humidity of the air is not more than 90%
- Operating air pressure: 0.5~0.7MPa
- Special requirements can be discussed before production.

安装及外形尺寸 Outline And Installation Dimension

QWZ₅系列 Series

型号意义 Model Significance



制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号 Function code	表示意义 Model Significance
M	衬垫磨损制动补偿装置 Pad wear brake compensation device
K1	开闸限位行程开关 Opening limit travel switch
K2	闭闸限位行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch
S1	左式手动装置 Left hand device
S2	右式手动装置 Right hand manual device

QWZ₅系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF QWZ₅ SERIES DRUM BRAKES

制动器型号 Brake type	匹配气缸型号 Air cylinder type	制动力矩 Brake torque (Nm)	退距 Clearance (mm)	安装及外形尺寸 Dimensions (mm)																		重量 Weight (kg)
				A	b	C	D	d	E	F	G	G2	Hmax	h1	i	K	M	n	L	G3		
QWZ ₅ -160/32	QGA32x60MP ₂ JY	80~160	1.0	335	65	47	160	14	145	85	145	195	440	132	55	130	125	8	145	65	24	
QWZ ₅ -200/32	QGA32x60MP ₂ JY	100~335		372	70	47	200	14	175	90	165	265	500	160	55	145	151	10	150	75	26.5	
QWZ ₅ -250/32	QGA32x60MP ₂ JY	125~350	1.0	433	90	47		250	18	205	110	200	290	585	190	65	180	180	12	180	100	36
QWZ ₅ -250/40	QGA40x60MP ₂ JY	300~550		435		54															36.5	
QWZ ₅ -315/32	QGA32x60MP ₂ JY	150~450		492		47															55.5	
QWZ ₅ -315/40	QGA40x60MP ₂ JY	315~710	1.25	495	110	54	315	18	255	115	245	330	585	230	80	220	207	17	170	135	56	
QWZ ₅ -315/50	QGA50x60MP ₂ JY	630~1250		500		66															59.5	
QWZ ₅ -400/32	QGA32x60MP ₂ JY	200~470		575		47							715								117	
QWZ ₅ -400/40	QGA40x60MP ₂ JY	400~800	1.25	577		54															118	
QWZ ₅ -400/50	QGA50x60MP ₂ JY	630~1250		685	140	66		400	22	310	160	310	420	760	280	100	270	248	14	170	150	119
QWZ ₅ -400/63	QGA63x60MP ₂ JY	1000~2240				76							775								121	
QWZ ₅ -500/50	QGA50x60MP ₂ JY	800~1600		682		66							815								155	
QWZ ₅ -500/63	QGA63x60MP ₂ JY	1250~2500	1.25	688	180	76	500	22	380	180	365	535	835	340	130	325	330	21	180	185	170	
QWZ ₅ -500/80	QGA80x60MP ₂ JY	2000~4000		697		96							845								174	
QWZ ₅ -630/63	QGA63x60MP ₂ JY	1600~3150		810		76															276	
QWZ ₅ -630/80	QGA80x60MP ₂ JY	2500~5000	1.6	820	220	96	630	26	470	220	450	600	1025	420	170	400	405	20	185	280	280	
QWZ ₅ -630/100	QGA100x60MP ₂ JY	3550~7100		830		115															287	
QWZ ₅ -710/63	QGA63x60MP ₂ JY	1000~3250		870		76															401	
QWZ ₅ -710/80	QGA80x60MP ₂ JY	2500~5600	1.6	880	255	96	710	27	530	240	500	650	1135	470	190	450	456	25	220	300	406	
QWZ ₅ -710/100	QGA100x60MP ₂ JY	4000~8000		890		115															517	

• 注：630及以上规格制动器带M功能时，使用短行程气缸。 Note: Short-stroke cylinders will be adopted for thruster 630 or above types will M function.

• 具体型号，结构及外形尺寸保留更改的权利。 The size of the specific type and structure should be retained.

TYWZ₂系列脚踏液压鼓式制动器

TYWZ₂ SERIES FOOT OPERATED HYDRAULIC DRUM BRAKES

应用 Application

- TYWZ₂系列脚踏液压鼓式制动器，主要用于起重、运输、冶金、矿山、港口、码头、建筑机械等中、小型起重机械大车运行机构的平稳减速制动，是一种常开式制动器，为操作人员提供了一种平稳放慢和减速制动的办法。

APPLICATION

- TYWZ₂ series pedal hydraulic drum brake is mainly used for the smooth deceleration braking of small and medium cranes, such as lifting, transportation, metallurgy, mining, port, wharf, construction machinery, etc. it is a kind of normally open brake, which provides a smooth deceleration and deceleration braking method for operators.

符合标准 Standards Compliant

- TYWZ₂系列脚踏液压鼓式制动器的安装尺寸符合DIN15435和JB/ZQ4388-2006标准。技术要求符合JB/T6406-2006标准。

STANDARDS COMPLIANT

- The installation dimensions of TYWZ₂ series foot hydraulic brake conform to din15435 and JB/ZQ4388-2006 standards. The technical requirements conform to JB/T6406-2006 standard.

主要特点 Main Feature

- 制动衬垫为卡装式整体成型结构，更换十分方便、快捷。
- 联锁式退距均衡装置和瓦块自动随位装置，使用过程中始终保持两侧瓦块退距均衡，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用中无需润滑。
- 带有手动闭合（上闸）装置，在非工作状态下有需要时，可通过其进行维持制动。

MAIN FEATURE

- Brake lining is of clamped integral forming structure, which is easy and quick to replace.
- Interlocking shoe clearance balancing device (patented technology) and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- With manual closing (Upper Gate) device, it can be maintained and maintained in case of non working condition.

使用条件 Operating Condition

- 环境温度：-20℃~+50℃
- 制动器周围环境中，不得有易燃、易爆及足以腐蚀金属和破坏绝缘的气体导电尘埃的场所。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度符合GB755-2019
- 户外雨雪侵蚀或有腐蚀性气体和介质应采用防腐型产品。
- 有特殊要求时，在订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -20℃~+50℃
- There shall be no inflammable, explosive gas and conductive dust that can corrode metal and destroy insulation in the environment around the brake.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use conforms to GB755-2019
- Rain and snow erosion or corrosive gases and media should be corrosion resistant.
- Special requirements can be discussed before production.

TYWZ₂系列 Series

安装及外形尺寸 Outline And Installation Dimension

安装型式：常开立式安装

Installation type: Normally open installation

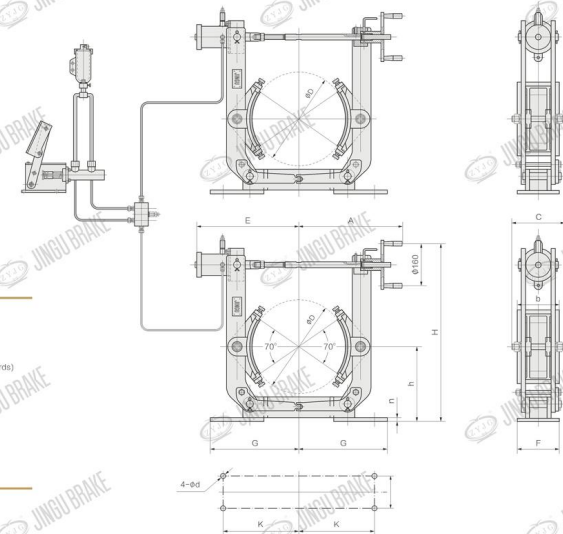
型号意义 Model Significance

TYWZ₂-□-□

- 特殊要求 (可用文字说明)
Special requirement (can be specified in words)
- 制动轮直径 (mm)
Brake wheel diameter (mm)
- 制动器型号 Brake type

产品示例 Product Examples

- TYWZ₂-200-CP-为防腐型



TYWZ₂系列鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF TYWZ₂ SERIES DRUM BRAKES

制动器型号 Brake type	制动力矩 Brake torque (Nm)	安装及外形尺寸 Dimensions (mm)													重量 Weight (kg)
		D	h	K	i	d	n	b	C	G	F	E	A	H	
TYWZ ₂ -200	0-200	200	170	175	60	17	10	90	135	195	100	300	320	440	42
TYWZ ₂ -300	0-400	300	240	250	80	22	12	140	160	275	130	360	380	610	56
TYWZ ₂ -315	0-400	315	240	250	80	22	12	125	186	275	130	375	390	610	60
TYWZ ₂ -400	0-800	400	320	325	130	22	14	180	210	380	180	445	445	780	84

• 注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

JZ系列节能电磁铁鼓式制动器

JZ SERIES ENERGY SAVING ELECTROMAGNETIC DRUM BRAKE

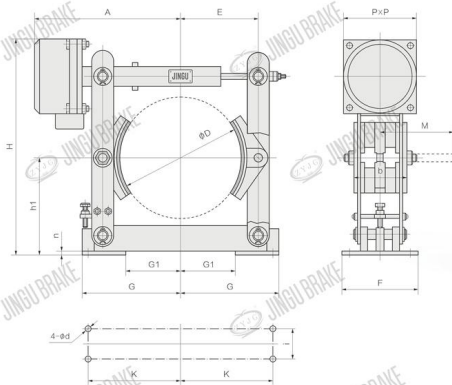
应用 Application

- JZ系列节能电磁铁鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。
- JZ系列节能电磁铁鼓式制动器的安装尺寸符合DIN15435和JB/ZQ4388-2006标准。技术要求符合JB/T7685-2006标准。

APPLICATION

- JZ series energy-saving electromagnet drum brake is widely used for deceleration and parking braking of mechanical driving devices such as lifting, transportation, metallurgy, mining, port, wharf, construction machinery, etc.
- The installation dimensions of JZ series energy-saving electromagnet drum brake conform to DIN15435 and JB/ZQ4388-2006 standards.
- The technical requirements conform to JB/T7685-2006 standard.

安装及外形尺寸 Outline And Installation Dimension



P029 / 河南金箍®工业制动系统提供商

使用条件 Operating Condition

- 环境温度: -25℃~+40℃
- 电源电压: 交流AC 380V、50Hz
- 相对湿度: 使用地点空气相对湿度不大于90%
- 使用地点的海拔高度不超过2000m
- 制动器周围环境中, 不得有易燃、易爆及足以腐蚀金属和破坏绝缘的气体 and 导电尘埃。
- 户外雨雪侵蚀或有腐蚀性气体和介质, 应采用防腐型产品。
- 有特殊要求时, 在订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -25℃~+40℃
- Voltages: AC 380V, 50Hz
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use shall not exceed 2000m
- There shall be no inflammable, explosive gas and conductive dust that can corrode metal and destroy insulation in the environment around the brake.
- Outdoor rain and snow/erosion or corrosive gases and media, should use anti-corrosion products.
- Special requirements can be discussed before production.



JZ系列 Series

主要特点 Main Feature

- 制动器出厂时配备铆接式制动瓦, 如需更换卡装式整体成型结构, 订货时请注明。
- 主要摆动铰点均设有自润滑轴承, 传动效率高, 寿命长, 使用中无需润滑。
- 常闭式设计, (断电) 弹簧制动, (通电) 电磁释放。

MAIN FEATURE

- Our brake is equipped with riveted brake pad, please tell us if you require clamped integral forming structure when booking order.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Brake closes in case of power failure (Fail-Safe Principle). Braking by spring power. Electromagnetic release.

型号意义 Model Significance



产品示例 Product Examples

- JZ-400-CP-为防腐型

JZ系列电磁铁鼓式制动器技术参数 TECHNICAL DATA OF JZ SERIES ELECTROMAGNETIC DRUM BRAKES

表一

制動器型号 Brake type	制動輪直径 Brake wheel diameter (Nm)	制動力矩 Brake torque (Nm)	退距 Clearance (mm)	重量 Weight (kg)	电磁鐵型号 Type	额定引力 (N) Rated gravity	配用电磁鐵 Matching electromagnet						总重量 Total weight (kg)
							行程 Stroke (mm)		操作频率 Operating frequency (1/h)	电流 Current (A)		重量 Weight (kg)	
							初始	最大		启动	保持		
JZ-100	100	40	0.5	12.5	DT-100	1000	3	6	1200	2	0.02	3.5	16
JZ-200	200	160	0.6	19	DT-200	1000	3	6	1200	2	0.02	7	26
JZ-300	300	500	0.8	52	DT-315	2800	3.5	7	1200	3	0.025	12	64
JZ-400	400	1250	0.8	100	DT-400	5000	4	8	900	3.5	0.03	17	117
JZ-500	500	2500	0.8	167	DT-500	5000	4	8	900	6.5	0.035	33	200
JZ-600	600	5000	1.0	345	DT-600	10000	5	9	600	8	0.06	72	417

- 注: 配用电磁铁变更不另行通知, 大规格电磁铁配用电控盒较大, 须另外放置。
Note: The electromagnet is changed without prior notice. The large size electromagnet is equipped with a large electric control box and must be placed separately.

JZ系列电磁铁鼓式制动器外形尺寸 DIMENSIONS OF JZ SERIES ELECTROMAGNETIC DRUM BRAKES

表二

制动器型号 Brake type	安装及外形尺寸 Dimensions (mm)												
	A	b	D	d	E	F	G	H	h1	i	K	M	P
JZ-100	230	70	100	13	165	75	125	300	100	40	110	145	132
JZ-200	290	80	200	17	215	100	208	435	170	60	175/190	126	132
JZ-300	385	140	300	22	295	130	290	600	240	80	250/270	160	167
JZ-400	505	180	400	22	350	180	350	782	320	130	325	210	243
JZ-500	577	200	500	22	490	200	405	960	400	150	380	250	243
JZ-600	675	240	600	26	560	220	500	1160	475	170	475	305	271

- 注: 具体型号, 结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

JINGU BRAKES / P030

ZWZA系列直流电磁鼓式制动器

ZWZA SERIES DC ELECTROMAGNETIC DRUM BRAKE

应用 Application

- ZWZA系列直流电磁鼓式制动器，主要用于电磁吊及各种直流驱动或直流电网的起重、港口装卸及冶金机械中各种机构的减速和停车制动。对于交流驱动的各种起重、港口装卸及冶金机械不推荐使用。

APPLICATION

- ZWZA series DC electromagnetic drum brake is mainly used for electromagnetic lifting, lifting of various DC drive or DC power grid, deceleration and parking brakes of various mechanisms in port handling and metallurgical machinery. AC-driven lifting, port handling and metallurgical machinery are not recommended.

符合标准 Standards Compliant

- ZWZA系列制动器的安装尺寸和制动力矩参数符合JB/ZQ4386-2006标准。技术要求符合JB/T7685-2006标准。

STANDARDS COMPLIANT

- Installation dimensions and braking torque parameters of ZWZA series brakes are in accordance with JB/ZQ4386-2006. Technical requirements meet JB/T7685-2006 standards.



ZWZA系列 Series

使用条件 Operating Condition

- 环境温度：-25℃~+40℃
- 操作频率小于720c/h
- 使用地点的海拔高度不超过2000m
- 制动器周围工作环境中不得有易燃、易爆及足以腐蚀金属及破坏绝缘的气体和导电尘埃。
- 在空气相对湿度不大于90%的室内或有防雨、雪的装置下使用。
- 电源电压：直流DC110V或DC220V，若有特殊要求，请订货时协商确定。

OPERATING CONDITION

- Ambient temperature: -25℃~+40℃
- Operating frequency less than 720c/h
- The altitude of the place of use shall not exceed 2000m
- The working environment around the brake must be free from inflammable, explosive gases and conductive dust sufficient to corrode metals and destroy insulation.
- Used indoors with air relative humidity not more than 90% or under rain or snow protection devices.
- Power supply voltage: DC110V or DC220V. Please negotiate when ordering if special requirements are required by users.

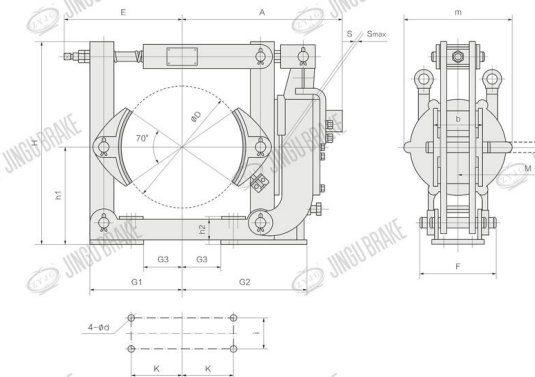
主要特点 Main Feature

- 制动弹簧在方管内布置并设有标尺，保护弹簧不受损坏和污染。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用中无需润滑。
- 联锁式退距均等装置，在使用中始终保持两侧瓦块退距均等，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 常闭式设计，（断电）弹簧制动，（通电）电磁释放。

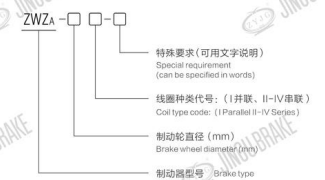
MAIN FEATURE

- Enclosed spring tube protects spring from damage and contamination.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, longer service life. Lubricating is unnecessary during operation.
- Interlocking shoe clearance balancing device and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- Brake closes in case of power failure (Fail-Safe Principle). Braking by spring power. Electromagnetic release.

安装及外形尺寸 Outline And Installation Dimension



型号意义 Model Significance



产品示例 Product Examples

- ZWZA500-2500B-25% CP-为防腐型
- ZWZA800-9100B-40% CP-为防腐型

- 替代原ZWZ系列制动器
Replacement of original ZWZ series brake

ZWZA系列电磁鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF ZWZA SERIES DRUM BRAKES

制动器型号 Brake type	制动力矩 (Nm) Brake torque								安装及外形尺寸 Dimensions (mm)																重量 Weight (kg)
	并联线圈				串联线圈				D	h1	K	i	d	h2	b	A	E	F	H	G1 G2	M	D1	S S _{max}	G3	
	通电持续率				通电持续率																				
	25%	40%	100%	25%	40%	25%	40%																		
ZWZA-400	1500	1200	550	1500	1200	900	550	400	320	170	90	28	90	180	540	390	170	670	305 415	320	355	22 3	130	168	
ZWZA-500	2500	1900	850	2500	1900	1500	1000	500	400	205	100	28	115	200	605	465	190	825	370 475	340	438	2.3 3.5	155	339	
ZWZA-600	5000	3550	1550	5000	3550	3000	2050	600	475	250	126	42	140	240	690	570	230	965	450 565	420	500	2.7 4	180	500	
ZWZA-700	8000	5750	2800	8000	5750	4800	3250	700	550	305	150	42	172	280	780	645	270	1115	515 625	480	577	3 4.5	235	689	
ZWZA-800	12500	9100	4400	12500	9100	7500	5550	800	600	350	180	42	176	320	855	710	300	1250	580 700	540	650	3.3 5	290	881	

注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

并联线圈技术参数 TECHNICAL PARAMETERS OF PARALLEL COILS

表一

线圈种类 Coil Type	型号 Type	名称	ZWZ-400			ZWZ-500			ZWZ-600			ZWZ-700			ZWZ-800		
			20℃ 电阻 (Ω)	功率 (W)	附加 电阻 (Ω)	20℃ 电阻 (Ω)	功率 (W)	附加 电阻 (Ω)	20℃ 电阻 (Ω)	功率 (W)	附加 电阻 (Ω)	20℃ 电阻 (Ω)	功率 (W)	附加 电阻 (Ω)	20℃ 电阻 (Ω)	功率 (W)	附加 电阻 (Ω)
I	110	25	14.15	900	—	12.6	1010	—	9.6	1330	—	6.85	1860	—	5.2	1740	—
		40		630	6		725	5		940	4		1370	2.5		1740	2
		100		870	20		415	18		540	14		800	9.4		1010	7.3
	110 不加附加电阻	25	20.8	900	—	15.6	1010	—	12.3	1330	—	9.95	1860	—	5.2	2400	—
		40		580	—		780	—		985	—		1220	—		—	—
		25		1500	20		1700	18		2100	14		3200	9.4		3920	7.7
	220	40	14.15	1100	32	12.6	1230	29	9.6	1610	22	6.85	2400	15	5.2	2930	12
		100		660	63		765	54		990	42		1420	29		1710	24
		25		49.8	970		45.4	1070		32.3	1500		25.1	1930		—	—
	220 不加附加电阻	40	75	645	—	71.5	680	—	49.2	985	—	37.7	1285	—	5.2	—	—
		40		75	645		71.5	680		49.2	985		37.7	1285		—	—
		25		2680	58		3010	55		3950	52		5700	29		7170	23
	440	40	14.15	2070	84	12.6	2300	79	9.6	3010	48	6.85	4400	39	5.2	5460	32
		100		1270	146		1420	130		1840	100		2890	68		3320	49

• 注：20℃时额定电压下线圈和附加电阻消耗功率。 Note: Power consumption of coil and additional resistor under rated voltage at 20℃.
• 表格中JC代表接电持续率。 JC in the table represents the power capacity rate.

串联线圈技术参数 TECHNICAL PARAMETERS OF SERIES COILS

表二

线圈种类	型号 Type	名称	ZWZ-400				ZWZ-500				ZWZ-600				ZWZ-700				ZWZ-800			
			额定电流 (A) Rated current			20℃ 电阻 (Ω)	额定电流 (A) Rated current			20℃ 电阻 (Ω)	额定电流 (A) Rated current			20℃ 电阻 (Ω)	额定电流 (A) Rated current			20℃ 电阻 (Ω)	额定电流 (A) Rated current			20℃ 电阻 (Ω)
			JC 15%	JC 25%	JC 40%		JC 15%	JC 25%	JC 40%		JC 15%	JC 25%	JC 40%		JC 15%	JC 25%	JC 40%		JC 15%	JC 25%	JC 40%	
II			96.5	75	59	0.089	201	156	123	0.0285	209	162	128	0.0394	302	234	185	0.023	595	460	363	0.0075
III			139	108	85.5	0.043	316	245	193	0.0115	300	233	184	0.019	715	555	438	0.0041	1355	1050	830	0.0014
IV			192	149	118	0.025	495	383	302	0.0074	510	395	312	0.0065	1175	910	720	0.0015	-	-	-	-
V			231	179	141	0.0174	-	-	-	-	630	490	387	0.0043	-	-	-	-	-	-	-	-
VI			268	208	164	0.0128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII			346	268	212	0.0078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

• 注：具体型号、结构及外形尺寸保留更改的权利。
Note: The size of the specific type and structure should be retained.

TYW系列液压鼓式制动器

TYW SERIES HYDRAULIC DRUM BRAKE

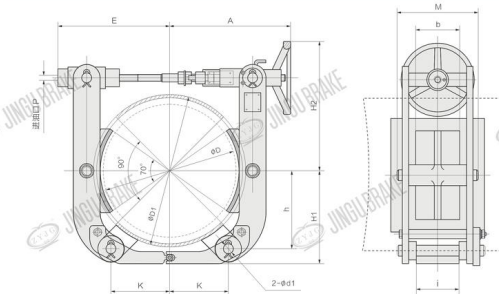
应用 Application

- TYW系列液压鼓式制动器为液压驱动，卧式安装的常开式制动器，通过脚踏式液压泵进行控制，主要用于中小型门座式起重机和塔式起重机等回转机构的减速制动。带有手动抱闸装置，在非工作状态下，可通过其进行随意制动。

APPLICATION

- TYW series hydraulic drum brake is hydraulically driven and horizontally mounted normally open brake controlled by pedal hydraulic pump. It is mainly used for deceleration braking of small and medium portal cranes and tower cranes. With manual braking device, it can be braked at will under non-working conditions.

安装及外形尺寸 Outline And Installation Dimension



TYW系列 Series

TYW系列制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF TYW SERIES DRUM BRAKES

制动器型号 Brake type	油压 (MPa) Oil pressure	额定制动力矩 Brake torque (Nm)	安装及外形尺寸 Dimensions (mm)												重量 Weight (kg)	
			p	D	h	K	b	i	d1	A	E	H1	H2	D1		M
TYW-300	1~2	200~400	M10x1	300	190	135	125	100	30	330	320	235	380	380	200	40
TYW-315				315	190	135	110			42						
TYW-400	2~3	600~800		400	235	177	140	104		365	355	280	380	470	220	50
TYW-500				500	280	195	180			440	500	342	480	570	224	80
	2	1400														

ZWZ₃系列直流电磁鼓式制动器ZWZ₃ SERIES DC ELECTROMAGNETIC DRUM BRAKE

应用 Application

- ZWZ₃系列直流电磁鼓式制动器，主要用于电磁吊及各种直流驱动或直流电网的起重、港口装卸及冶金机械中各种机构的减速和停车制动。对于交流驱动的各种起重、港口装卸及冶金机械不推荐使用。

APPLICATION

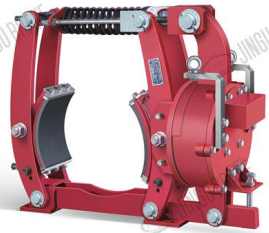
- ZWZ₃ series DC electromagnetic drum brake is mainly used for electromagnetic lifting, lifting of various DC drive or DC power grid, deceleration and parking brakes of various mechanisms in port handling and metallurgical machinery. AC-driven lifting, port handling and metallurgical machinery are not recommended.

符合标准 Standards Compliant

- ZWZ₃系列制动器的安装尺寸和制动力矩参数及技术要求符合GB6334-86标准。技术要求符合JB/T7685-2006标准。

STANDARDS COMPLIANT

- Installation dimensions, braking torque parameters and technical requirements of ZWZ₃ series brakes are in accordance with GB6334-86. Technical requirements meet JB/T7685-2006 standards.

ZWZ₃系列 Series

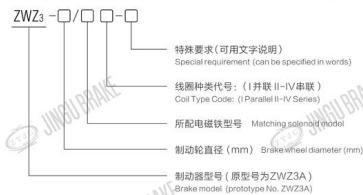
使用条件 Operating Condition

- 环境温度：-25℃ ~ +40℃
- 相对湿度：空气相对湿度不大于90%
- 周围工作环境中，在无爆炸危险介质及无足以腐蚀金属和破坏绝缘的气体及导电尘埃的场合。
- 操作频率小于720c/h
- 使用地点的海拔高度不超过2000m
- 并联线圈额定电压为110V，通电持续率为25%，若选用其它电压等级及持续通电率，需串联附加电阻（附加电阻用户自备）。
- 户外雨雪侵蚀或有腐蚀性气体和介质应采用防腐型产品。

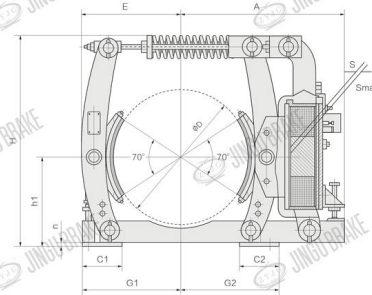
OPERATING CONDITION

- Ambient temperature: -25℃ ~ +40℃
- Relative humidity: the relative humidity of the air is not more than 90%
- In the surrounding working environment, there is no explosive hazardous medium and no gas or conductive dust sufficient to corrode metals and destroy insulation.
- Operating frequency less than 720c/h
- The altitude of the place of use shall not exceed 2000 m
- The rated voltage of the shunt coil is 110V and the power-on continuous rate is 25%. If other voltage levels and continuous power-on rates are selected, additional resistors in series (additional resistors provided by users) are required.
- Outdoor rain and snow erosion or corrosive gases and media should be corrosion resistant.

型号意义 Model Significance



安装及外形尺寸 Outline And Installation Dimension

替代原ZWZ3A系列制动器
Replacement of original ZWZ3A series brakeZWZ₃系列电磁鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF ZWZ₃ SERIES DRUM BRAKES

制动器型号 Brake type	制动力矩 (Nm) Brake torque								安装及外形尺寸 Dimensions (mm)															重量 Weight (kg)		
	并联线圈				串联线圈				A	b	C1 C2	d	D	E	F	G1 G2	H	h1	i	K	M	m	n		S S _{max}	
	通电持续率				通电持续率																					
25%	40%	100%		25%	40%	25%	40%																			
ZWZ ₃ -400/400	1250	1000	500		1250	1000	800	500	540	160	140	22	400	320	140	310	670	280	100	270	357	355	12	2/3	208	
ZWZ ₃ -400/500	2000	1400	630		2000	1400	1250	710													438		2.3/3.5	216		
ZWZ ₃ -500/400	1250	1000	450		1250	1000	800	450													355		2/3	268		
ZWZ ₃ -500/500	2000	1600	710		2000	1600	1250	800	622	200	150	22	500	375	180	365	820	335	130	325	428	438	16	2.3/3.5	316	
ZWZ ₃ -500/600	3550	3150	1400		3550	3150	2500	1800													500		2.7/4	357		
ZWZ ₃ -630/500	2240	1800	800		2240	1800	1400	900													438		2.3/3.5	479		
ZWZ ₃ -630/600	5000	3550	1600		5000	3550	2800	2000	712	250	180	27	630	464	220	450	1011	425	170	400	510	500	20	2.7/4	497	
ZWZ ₃ -630/700	6300	4500	2240		6300	4500	4000	2500													577		3/4.5	541		
ZWZ ₃ -710/600	5000	3550	1600		5000	3550	2800	2000													500		2.7/4	520		
ZWZ ₃ -710/700	7100	5000	2240		7100	5000	4000	2800	780	280		27	710	505	240	500	1125	475	190	450	622	577	22	3/4.5	580	
ZWZ ₃ -710/800	10000	7100	3550		10000	7100	5600	4000								550					650		3.3/5	646		
ZWZ ₃ -800/700	7100	5000	2500		7100	5000	4500	2800			180	27	800	590	280	555	1235	530	210	520	690	577	22	3/4.5	800	
ZWZ ₃ -800/800	10000	8000	3550		10000	8000	6300	4000	870	320	270					645					650		3.3/5	911		

* 注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

MW(Z)系列电磁铁鼓式制动器

MW(Z) SERIES ELECTROMAGNETIC DRUM BRAKES

应用 Application

- MW(Z)系列电磁铁鼓式制动器，广泛用于起重、运输、冶金、矿山、港口、码头、建筑机械等机械驱动装置的减速和停车制动。

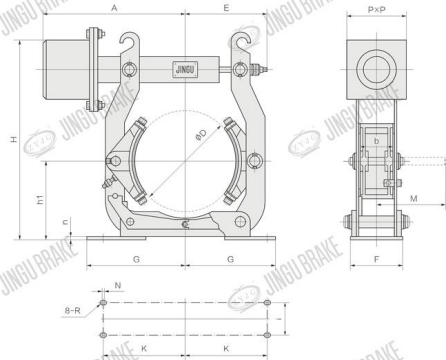
APPLICATION

- MW(Z) series electromagnetic drum brakes are widely used for deceleration and parking brakes of mechanical drive devices such as lifting, transportation, metallurgy, mines, ports, docks and construction machinery.

符合标准 Standards Compliant

- 该系列制动器的安装尺寸和制动力矩参数及技术要求符合JB/T7685-2006标准。
- Installation dimensions, braking torque parameters and technical requirements of this series of brakes conform to JB/T7685-2006 standard.

安装及外形尺寸 Outline And Installation Dimension



使用条件 Operating Condition

- 环境温度：-25℃ ~ +40℃
- 交流380V、50Hz电源，MWZ产品为直流电源，额定电压为220V。
- 制动器周围工作中不得有易燃、易爆及足以腐蚀金属及破坏绝缘的气体和导电尘埃。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度不超过2000m
- 户外雨雪侵蚀或有腐蚀性气体和介质应采用防腐型产品。
- 有特殊要求时，在订货时协商确定。

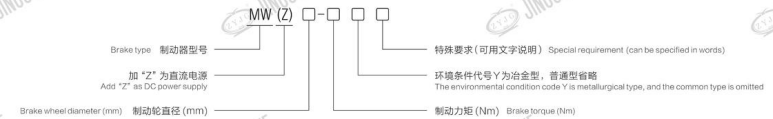
OPERATING CONDITION

- Ambient temperature: -25℃ ~ +40℃
- AC 380V 50Hz. The MWZ product is a DC power supply, with a rated voltage of 220V.
- The working environment around the brake must be free from inflammable, explosive gases and conductive dust sufficient to corrode metals and destroy insulation.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use shall not exceed 2000m
- Rain and snow erosion or corrosive gases and media should be corrosion resistant.
- Special requirements can be discussed before production.



MW(Z)系列 Series

型号意义 Model Significance



MW(Z)系列电磁铁鼓式制动器技术参数 TECHNICAL DATA OF MW(Z) SERIES ELECTROMAGNETIC DRUM BRAKES

表一

制动器型号 Brake type	制动轮直径 (mm) Brake wheel diameter (mm)	制动力矩 (Nm) Brake torque (Nm)	退距 (mm) Clearance (mm)	电磁铁型号 Type	通电持续率 Power on duration	配用电磁铁 Matching electromagnet		操作频率 Operating frequency (1/h)	电流 Current (A)		总重量 Total weight (kg)
						额定引力 (N) Rated gravity	最大行程/ 初始行程 (mm)		启动	保持	
MWZ160-80	160	80	0.5	DT-160	0~100%	1000	6/3	1200	2.0	0.02	17
MWZ200-160	200	160	0.6	DT-200	0~100%	1000	6/3	1200	2.0	0.02	30
MWZ250-315	250	315	0.6	DT-250	0~100%	2800	7/3.5	1200	2.5	0.02	42
MWZ315-630	315	630	0.8	DT-315	0~100%	2800	7/3.5	900	3	0.025	90
MWZ400-1250	400	1250	0.8	DT-400	0~100%	5000	8/4	900	3.5	0.03	158
MWZ500-2500	500	2500	1.0	DT-500	0~100%	8000	8/4	600	6.5	0.035	204
MWZ630-5000	630	5000	1.0	DT-630	0~100%	10000	9/5	600	8	0.06	355
MWZ710-8000	710	8000	1.25	DT-710	0~100%	15000	10/6	600	11	0.08	403
MWZ800-10000	800	10000	1.25	DT-800	0~100%	18000	11/6	600	14	0.15	702

MW(Z)系列电磁铁鼓式制动器外形尺寸 DIMENSIONS OF MW(Z) SERIES ELECTROMAGNETIC DRUM BRAKES

表二

制动器型号 Brake type	安装及外形尺寸 Dimensions (mm)														
	A	b	D	d	E	F	G	H	h1	I	K	M	P	n	G1
MWZ160-80	240	65	160	14	165	85	145	341	132	55	130	149	132	8	65
MWZ200-160	270	70	200	14	210	90	165	390	160	55	145	165	132	10	75
MWZ250-315	330	90	250	18	246	100	200	518	190	65	180	207	167	12	100
MWZ315-630	369	110	315	18	306	115	245	626	230	80	220	228	167	14	135
MWZ400-1250	470	140	400	22	380	160	310	764	280	100	270	284	243	14	150
MWZ500-2500	560	180	500	22	440	180	365	895	340	130	325	343	243	21	185
MWZ630-5000	650	225	630	27	460	220	450	1120	420	170	400	422	271	20	280
MWZ710-8000	670	255	710	27	535	240	500	1135	470	190	450	447	350	25	300
MWZ800-10000	680	265	800	27	650	280	570	1315	530	210	520	470	400	26	300

- 注：配用电磁铁要另行通知，大规格电磁铁配用电控盒较大，须另外放置。
Note: The change of electromagnet will not be notified. The large size electromagnet with electric control box is larger, so it must be placed separately.



安全制动·金箍掌控

DRUM BRAKES 鼓式制动器

YWZ4厂用防爆型电力液压鼓式制动器

YWZ4 EXPLOSION PROTECTED ELECTRO-HYDRAULIC DRUM BRAKES

应用 Application

- 防爆型电力液压鼓式制动器，广泛应用于有防爆要求的各种起重运输、皮带运输、港口装卸、冶金及建筑机械中各种机构的减速和停车制动。

APPLICATION

Explosion protected electro-hydraulic drum brakes can be extensively used for deceleration and stop braking of various mechanisms in various belt transport, port handling, hoisting, metallurgical and building machinery which have explosion protected requirements.

符合标准 Standards Compliant

- YWZ4防爆型电力液压制动器安装尺寸和制动力矩参数符合JB/ZQ4388-2006标准。技术要求符合JB/T6406-2006标准。

STANDARDS COMPLIANT

- The dimensions and braking torque parameters of YWZ4 series brakes comply with JB/ZQ4388-2006 standard, technology requirements comply with JB/T6406-2006 standard.

主要特点 Main Feature

- 性能安全可靠，制动平稳，动作频率高。
- 主要摆动铰点均设有自润滑轴承，传动效率高，寿命长，使用过程中无需润滑。
- 联锁式退距均等装置，在使用中始终保持两侧瓦块退距均等，避免因退距不均使一侧制动衬垫浮贴制动轮的现象。
- 无石棉制动衬垫与制动瓦块采用卡装插入式。安全可靠，更换方便、快捷。

MAIN FEATURE

- Safe and reliable performance, smooth braking, high action frequency.
- Main hinge points are equipped with self-lubricating bearing, making high efficiency of transmission, long service life. Lubricating is unnecessary during operation.
- Interlocking shoe clearance balancing device and shoe auto-aligning device constantly equalize the clearance of brake shoes on both sides and make adjustment unnecessary, completely avoiding brake lining one side sticking to brake wheel.
- The non asbestos brake pad and the brake pad adopt the clamping plug-in type. It is safe and reliable, convenient and quick to replace.

使用条件 Operating Condition

- 环境温度：-20℃~+40℃
- 周围工作环境中不得有易燃、易爆及腐蚀性气体，否则应采用防腐型产品。
- 相对湿度：空气相对湿度不大于90%
- 使用地点的海拔高度不超过2000m
- 工作制：间歇性（S3-60%）和连续（S1）
- 电源电压：三相交流AC 380~460V，50Hz/60Hz
- 有特殊要求时，在订货时协商确定。

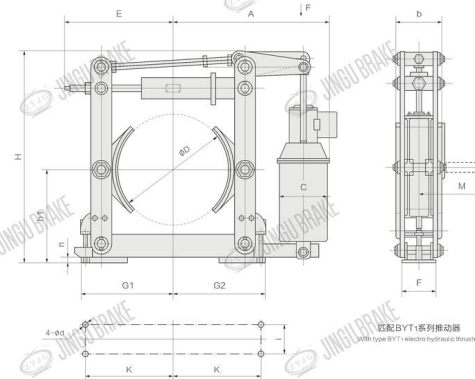
OPERATING CONDITION

- Ambient temperature: -20℃~+40℃
- Flammable, explosive and corrosive gases are not allowed in the surrounding working environment, otherwise anti-corrosion products should be used.
- Relative humidity: the relative humidity of the air is not more than 90%
- The altitude of the place of use shall not exceed 2000m
- Operating duty: intermittent (S3-60%) and continuous (S1).
- Voltages: three-phase AC, rated voltage is 380V-460V, frequency is 50Hz/60Hz.
- Special requirements can be discussed before production.



YWZ4系列 Series

安装及外形尺寸 Outline And Installation Dimension



型号意义 Model Significance



产品示例 Product Examples

- 轮径φ300mm，推动器BYT1-45Z/6 标记为：YWZ4-300/B45

制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号	表示意义 Model Significance
K1	开闸（上升）行程开关 Opening limit travel switch
K2	闭闸（下降）行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch

YWZ4系列防爆型鼓式制动器技术参数及外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ4 SERIES EXPLOSION-PROOF DRUM BRAKES

制动器型号 Brake type	匹配推动器 Thruster type	制动力矩 Brake torque (Nm)	退距 Clearance (mm)	安装及外形尺寸 (Dimensions (mm))																重量 Weight (kg)
				A	b	C	D	d	E	F	G1	G2	H	h1	i	K	M	n		
YWZ4-100/B18	BYT1-18Z/2	40	0.6	269	70	137	100	13	125	75	125	125	384	100	40	110	138	6	25	
YWZ4-150/B25	BYT1-25Z/4	100		307	90	154	150	17	173	100	170	170	437	140	60	150	138	8	33	
YWZ4-200/B25	BYT1-25Z/4	200		347	90	154	200	17	210	100	195	195	440	170	60	175	156	10	42	
YWZ4-300/B25	BYT1-25Z/4	320	0.7	447		154	300	22	281	130	280	280	592	240	80	250	200	12	73	
YWZ4-300/B45	BYT1-45Z/5	630		459	140	178							600					10	80	
YWZ4-400/B45	BYT1-45Z/6	1000		564		178							735						130	
YWZ4-400/B90	BYT1-90Z/8	1600	0.8	580	180	210	400	22	370	180	360	360	740	320	130	325	265	12	160	
YWZ4-400/B125	BYT1-125Z/10	2200		632	160	254							850				271		167	
YWZ4-500/B90	BYT1-90Z/8	2500		670		210							890						210	
YWZ4-500/B125	BYT1-125Z/10	2650	0.8	775	200	210	500	22	440	200	415	415	885	400	150	380	310	16	220	
YWZ4-500/B180	BYT1-180Z/10	3000		692		254							940						235	
YWZ4-600/B90	BYT1-90Z/8	3200		805		210	600	26	555	220	505	520	1082	475	170	475	390	18	430	
YWZ4-600/B180	BYT1-180Z/12	5000	0.8	827		254														
YWZ4-700/B180	BYT1-180Z/12	8000		957	280	254	700	34	705	270	580	600	1225	550	200	540	585	25	500	
YWZ4-800/B180	BYT1-180Z/12	10000		1094		254														
YWZ4-800/B320	BYT1-320Z/12	12500	0.8	1155	320	375	800	34	772	320	677	697	1417	600	240	620	510	25	720	

注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.

YWZ₅矿用防爆型电力液压鼓式制动器

YWZ₅ EXPLOSION PROTECTED ELECTRO-HYDRAULIC DRUM BRAKES

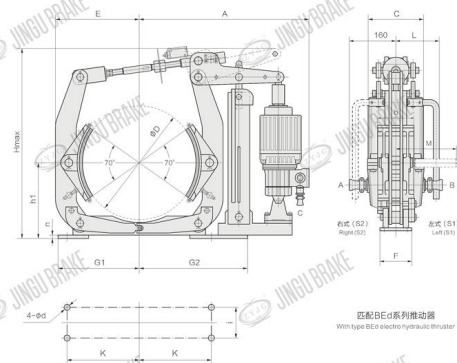
概述 Overview

- 防爆型电力液压鼓式制动器，广泛应用于有防爆要求的各种起重运输、皮带运输、港口装卸、冶金及建筑机械中各种机构的减速和停车制动。
- YWZ₅系列防爆型电力液压制动器的安装尺寸制动力矩参数符合GB6333-86标准。技术要求符合JB/T6406-2006标准。

OVERVIEW

- Explosion protected electro-hydraulic drum brakes can be extensively used for deceleration and stop braking of various mechanisms in various belt transport, port handling, hoisting, metallurgical and building machinery which have explosion protected requirements.
- The dimensions and braking torque parameters of YWZ₅ series brakes comply with GB6333-86 standard, technology requirements comply with JB/T6406-2006 standard.

安装及外形尺寸 Outline And Installation Dimension

YWZ₅系列 Series

主要特点 Main Feature

- 自动补偿装置，当刹车片磨损时，可自动调整拉杆长度，保证制动器的安全行程，有效防止刹车片的磨损造成制动力失效的现象。
- 制动闸瓦弧面自动对中装置，制动器开闸时避免制动衬垫浮贴制动轮表面，自动对中无需人工调整维护。
- 联锁式退距均等装置，自动调整两侧制动闸瓦与制动轮的间隙，松闸时保证刹车片弧面与制动轮表面完全分离，避免出现刹车片单边偏磨现象。
- 制动时间可调装置，可根据各种工况需求，调整制动器的不同制动时间。

OPERATING CONDITION

- Automatic compensation device, when the brake pads are worn, can automatically adjust the length of the tie rod to ensure the safe travel of the brake, effectively prevent the brake force failure caused by the wear of the brake pads.
- Automatic centering device for brake shoe arc surface, avoids brake pad floating on the surface of brake wheel when brake is opened, and automatic centering does not require manual adjustment and maintenance.
- Interlocking equal retraction equalizing device automatically adjusts the clearance between brake shoe and brake wheel on both sides. When loosening the brake, it ensures that the arc surface of brake pad is completely separated from the surface of brake wheel and avoids brake pad one-sided eccentric wear.
- Adjustable braking time device, which can adjust different braking time according to various operating conditions.

型号意义 Model Significance



产品示例 Product Examples

- 轮径 $\phi 315\text{mm}$ ，制动器 BEd50/6 标记为：YWZ₅-315/B50。

制动器附加功能表 ADDITIONAL FUNCTIONS

功能代号	表示意义 Model Significance
M	衬垫磨损制动补偿装置 Pad wear brake compensation device
K1	开闸（上升）行程开关 Opening limit travel switch
K2	闭闸（下降）行程开关 Closing limit travel switch
K3	衬垫磨损极限显示行程开关 Pad wear limit display switch

YWZ₅系列防爆型鼓式制动器技术参数和外形尺寸 TECHNICAL DATA AND DIMENSIONS OF YWZ₅ SERIES EXPLOSION-PROOF DRUM BRAKES

制動器型號 Brake type	匹配制動器型號 Thruster type	制動力矩 Brake torque (Nm)	安裝及外形尺寸 Dimensions (mm)																	重量 (kg)
			A	b	C	D	d	E	F	G1	G2	H	h1	i	K	M	n	L		
YWZ ₅ -160/B30	Ed30/5 Ex	80~160	515	65	160	160	14	145	85	145	195	540	132	55	130	140	8	145	48	
YWZ ₅ -200/B30	Ed30/5 Ex	140~315	543	80		200		175	90	165	265		160			145		10	150	51
YWZ ₅ -250/B30	Ed30/5 Ex	180~315	637	100	160	250	18	205	110	200	290	570	190	65	180	160	12	180	58	
YWZ ₅ -250/B50	Ed50/6 Ex	315~500			195														67	
YWZ ₅ -300/B30	Ed30/5 Ex	250~400			160	300	18	255	115	245	330	625	225	80	220	180	12	170	83	
YWZ ₅ -300/B50	Ed50/6 Ex	400~630	692	125															97	
YWZ ₅ -300/B80	Ed80/6 Ex	630~1000			190														97	
YWZ ₅ -315/B30	Ed30/5 Ex	250~400			160	315	18	255	115	245	330	625	225	80	220	180	12	170	83	
YWZ ₅ -315/B50	Ed50/6 Ex	400~630	692	125															97	
YWZ ₅ -315/B80	Ed80/6 Ex	630~1000			190														97	
YWZ ₅ -400/B80	Ed80/6 Ex	630~1250	749	160	190	400	22	310	160	310	420	775	280	100	270	220	14	170	127	
YWZ ₅ -400/B121	Ed121/6 Ex	1000~2000	764		240														820	
YWZ ₅ -500/B121	Ed121/6 Ex	1120~2500	864	200	240	500	22	385	180	365	535	845	335	130	325	280	16	180	205	
YWZ ₅ -500/B201	Ed201/6 Ex	2000~4000																		
YWZ ₅ -600/B201	Ed201/6 Ex	2500~4500	989	240	240	600	26	470	220	450	600	1035	425	170	400	340	25	185	310	
YWZ ₅ -600/B301	Ed301/12 Ex	4000~6500																		
YWZ ₅ -630/B201	Ed201/6 Ex	2500~5000	989	240	250	630	26	470	220	450	600	1035	425	170	400	340	25	185	310	
YWZ ₅ -630/B301	Ed301/12 Ex	4000~7100																		
YWZ ₅ -700/B201	Ed201/6 Ex	2500~5600	1044	280	240	700	27	525	240	500	650	1140	475	190	450	360	30	220	430	
YWZ ₅ -700/B301	Ed301/12 Ex	4000~8000																		
YWZ ₅ -710/B201	Ed201/6 Ex	2500~5600	1044	280	240	710	27	525	240	500	650	1140	475	190	450	360	30	220	435	
YWZ ₅ -710/B301	Ed301/12 Ex	4000~8000																		

• 注：具体型号，结构及外形尺寸保留更改的权利。 Note: The size of the specific type and structure should be retained.