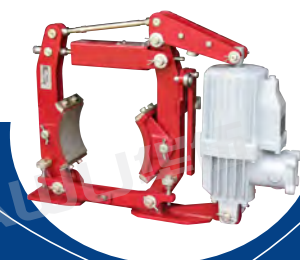




BYW, BYWZ5, BYWZB SERIES EXPLOSION PROTECTED ELECTRO-HYDRAULIC DRUM BRAKES

BYW、BYWZ5、BYWZB隔爆型电力液压鼓式制动器

致力传动安全 Committed to transmission security



隔爆型电力液压鼓式制动器

EXPLOSION PROTECTED ELECTRO-HYDRAULIC DRUM BRAKES

应用: 隔爆型电力液压鼓式制动器, 广泛应用于有隔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(维持)制动。

Application:

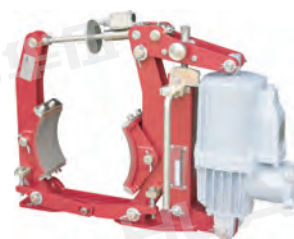
Explosion protected electro-hydraulic drum brakes can be extensively used for deceleration and stop/braking of various mechanisms in various belt transport, port handling, hoisting, metallurgical and building machinery which have explosion protected requirements.

符合标准 Standards compliant:

BYW、BYWZ5系列

BYW系列制动器连接尺寸和技术要求符合JB/T6406-2006标准, 制动力矩参数符合DIN15435标准。BYWZ5系列制动器连接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。BYW和BYWZ5系列鼓式制动器配套符合GB3836.2的Ed系列隔爆型推动器。本系列适用II A、II B、II C温度组别为T1-T4组可燃气体与空气形成的爆炸性混合物场所。

The dimensions and technology requirements of BYW series brakes comply with JB/T6406-2006 standard, braking torque parameters comply with DIN15435 standard; The dimensions and braking torque parameters of BYWZ5 series brakes comply with GB6333-86 standard, technology requirements comply with JB/T6406-2006 standard; Thrusters equipped on BYW and BYWZ5 series drum brakes are ED series explosion-proof thrusters which comply with GB3836.2 standard. This series products are suitable for underground coal mines and explosive-mixture location formed by air and combustible gas whose applicable II A, II B and II C temperature group is T1-T4.

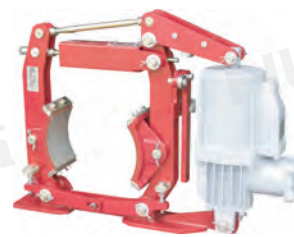


BYW、BYWZ5系列 Series

BYWZB系列

BYWZB系列制动器连接尺寸和制动力矩参数符合JB/ZQ4388-86标准, 技术要求符合JB/T6406-2006标准; 配套符合GB3836.2的Ed系列隔爆型推动器。本系列适用II A、II B、II C温度组别为T1-T4组可燃气体与空气形成的爆炸性混合物场所。

Connecting dimensions and braking torque parameters of BYWZB series brakes comply with JB/ZQ4388-86 standard, technology requirements comply with JB/T6406-2006 standard; Thrusters equipped on BYWZB series brakes are Ed series explosion-proof thrusters which comply with GB3836.2 standard. The series products are suitable for underground coal mines and explosive-mixture location formed by air and combustible gas whose applicable II A, II B and II C group T1-T4.



BYWZB系列 Series

主要特点 Main feature:

1

- + 联锁式退距均等装置(专利技术)和瓦块自动随位装置,可始终保持两侧瓦块退距均等且无需调整,完全避免因退距不均使一侧制动衬垫浮贴制动轮的现象。

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.

2

- + 主要摆动铰点均设有自润滑轴承,传动效率高,寿命长。

At main hinge points where are equipped with self-lubricating bearings, which make higher efficiency of transmission and longer performance life.

3

- + 制动弹簧在方管内布置并设有标尺,用户可十分方便地读出制动力矩值,免去测量和计算的麻烦。

Brake spring is arranged inside square tube and surveyor's rod is placed on one side. It is easy for customers to read braking torque value and avoid the troubles of measuring and computing.

4

- + 制动衬垫为隔爆型衬垫,卡装式整体成型结构,更换十分方便、快捷。

Brake lining is of card-mounted and entirely shaped structure, which is easy and quick to replace.

5

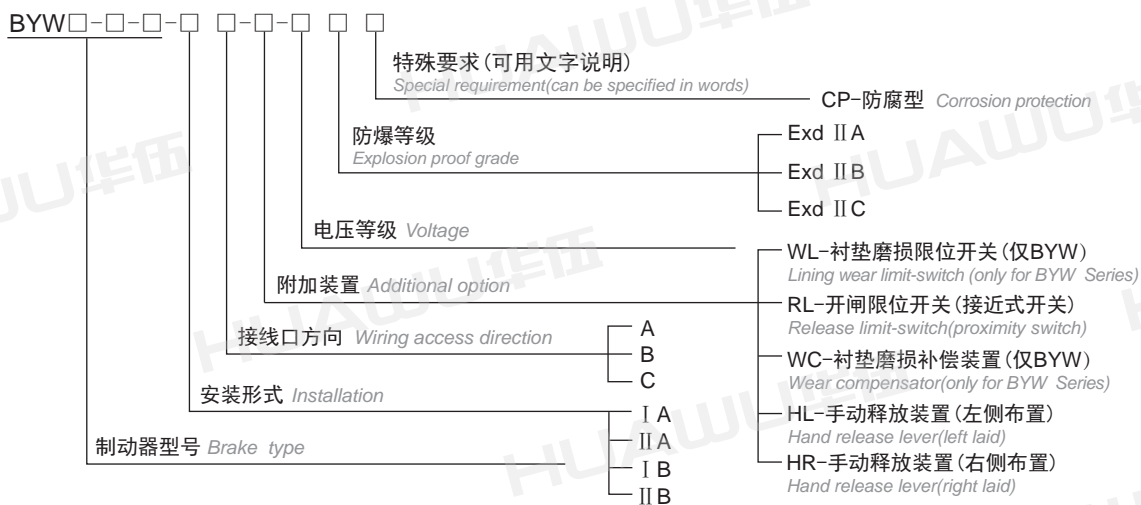
- + 全部采用本公司隔爆型推动器配套,动作灵敏,寿命长。

Our company's new types of thrusters are adopted, which work acutely and have long life.

附加装置 Additional devices:

- 手动释放装置。
- 释放(开闸)限位开关,可实现制动器是否正常释放的信号显示。
- 制动衬垫磨损自动补偿装置,可实现衬垫磨损时瓦块退距和制动力矩的无级自动补偿。
- 衬垫磨损极限限位开关,可实现制动衬垫磨损到极限时的信号显示(注意:应用于须带自动补偿装置的制动器)。
- Hand release lever.
- Open(Release) limit-switch, which indicates whether the brake is properly released.
- Wear-self-compensation device, which realizes endless self-compensation of shoe clearance and torque when lining wears.
- Lining-wear limit-switch, equipped which signals will be shown when wear of lining reaches the limit (note: self-compensation device should be equipped in application).

订货标记 Order Mark



订货示例 Order Example

BYWZB-300/50- I A-A-RL.HL-440V.60Hz.CP

BYWZB-300/50- I A-A

BYW-315/80- I A-A-WC.WL.RL..440V.60Hz.CP

BYW-315/80- I A-C

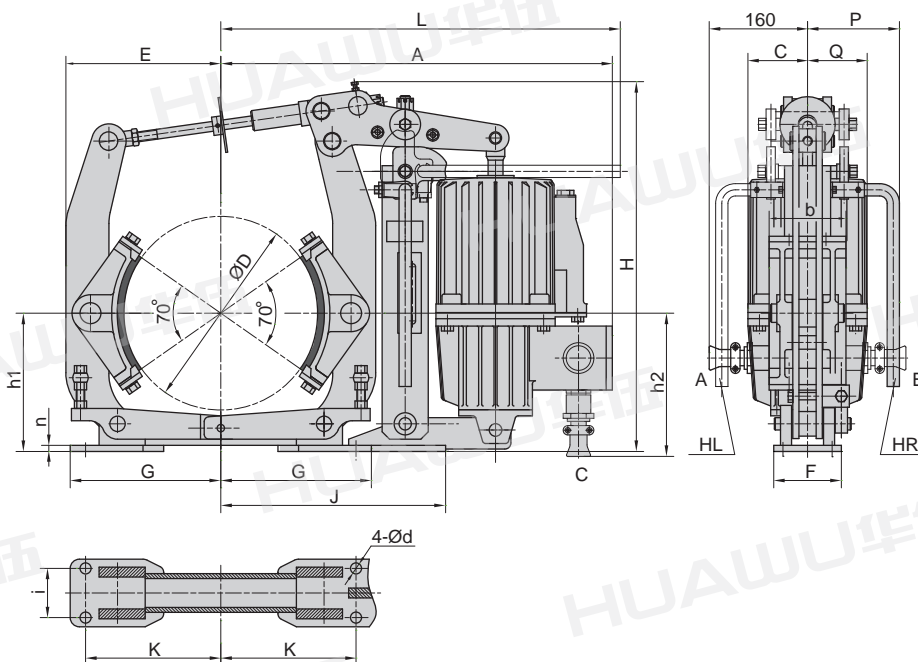
使用条件 Operating condition:

- 海拔高度: <2000m.
- 环境温度: -20℃~+40℃.
- 相对湿度: ≤90%.
- 电压等级: 三相AC380V/50Hz.
- 适应的工作制: 连续(S1)和断续(S3-60%,操作频率<1200/h)工作制.
- 适用于GB3836.2《爆炸性气体环境用电气设备 第2部分 隔爆型"d"》的规定的防爆等级为IIA、IIB、IIC温度组别为T1-T4组可燃气体与空气形成的爆炸性混合物场所.
- 有特殊要求时, 在订货时协商确定.

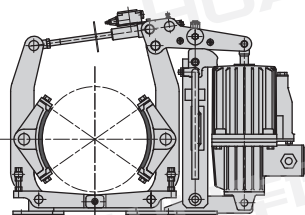
- Altitude: <2000m.
- Ambient temperature: -20~+40°C.
- Relative humidity: ≤90%.
- Voltages: AC 3 phase 380V/50Hz.
- Operating duty: intermittent(S3-60% ≤1200/h) and continuous(S1).
- Be suitable for such location full with explosive mixture formed by air and combustible gas, explosion-proof class and temperature class of which respectively are IIA/IIB/IIC and T1-T4 specified by "Electric equipments used in explosive gas atmosphere-Part II Explosion-proof 'd'." in GB3836.2 standard.
- Special requirements can be discussed in order.

外形及安装尺寸

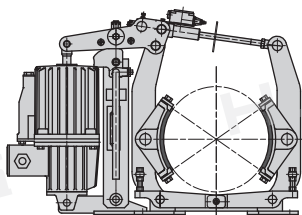
Outline and installation dimensions



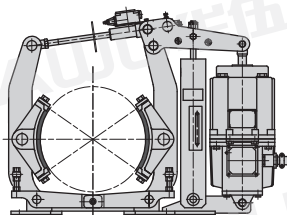
IA型安装
Installation of IA



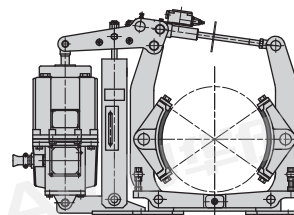
IIA型安装
Installation of IIA



IB型安装
Installation of IB



IIB型安装
Installation of IIB



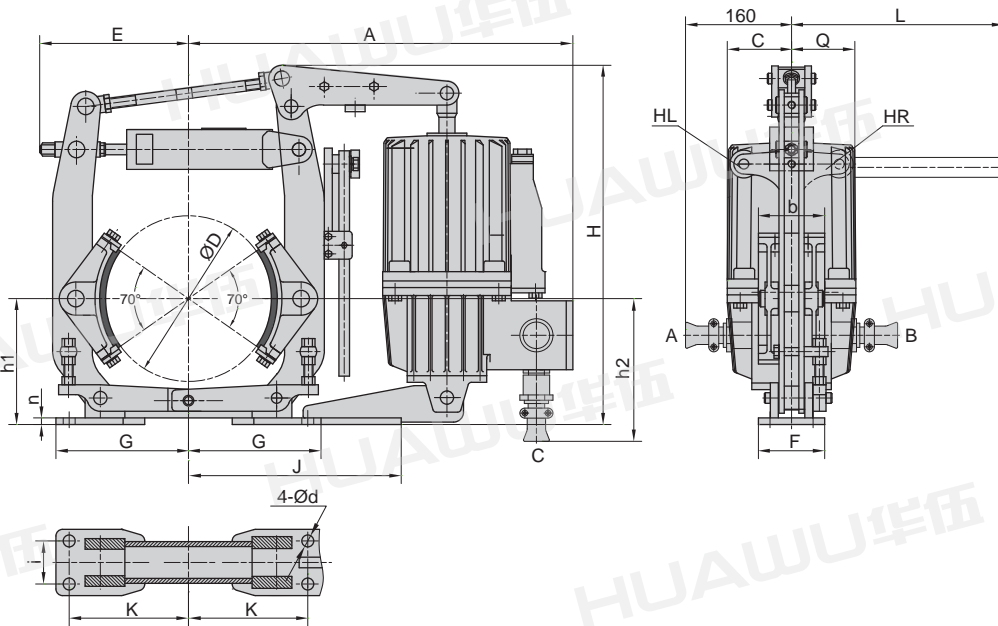
使用条件 Operating condition:

- 海拔高度: <2000m.
- 环境温度: -20℃~+40℃.
- 相对湿度: 90%.
- 电压等级: 三相AC380V/50Hz.
- 适应的工作制: 连续(S1)和断续(S3-60%,操作频率<1200/h)工作制.
- 适用于GB3836.2《爆炸性气体环境用电气设备 第2部分 隔爆 型"d"》的规定的防爆等级为 I、II B温度组别为T1-T4组可燃气体与空气形成的爆炸性混合物场所。
- 有特殊要求时, 在订货时协商确定。

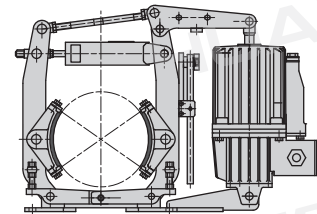
- Altitude: <2000m.
- Ambient temperature: -20~+40℃.
- Relative humidity: ≤90%.
- Voltages: AC 3 phase 380V/50Hz.
- Operating duty: intermittent(S3-60% ≤1200/h) and continuous(S1).
- Be suitable for such location full with explosive mixture formed by air and combustible gas, explosion-proof class and temperature class of which respectively are I/II B and T1-T4 specified by "Electric equipments used in explosive gas atmosphere-Part II Explosion-proof 'd'." in GB3836.2 standard.
- Special requirements can be discussed in order.

外形及安装尺寸

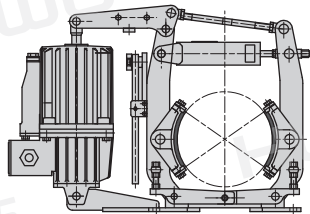
Outline and installation dimensions



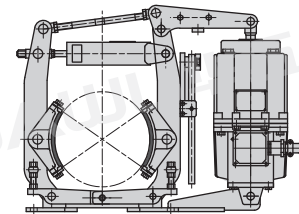
IA型安装
 Installation of IA



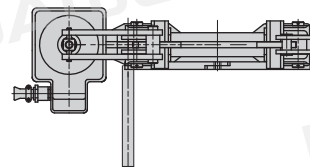
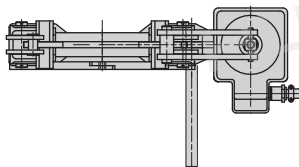
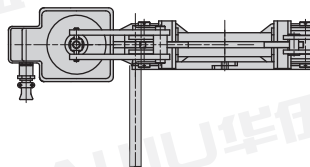
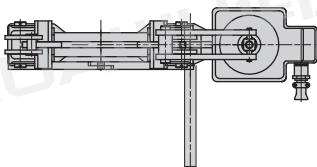
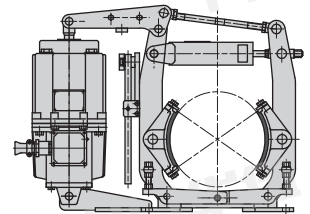
IIA型安装
 Installation of IIA



IB型安装
 Installation of IB



IIB型安装
 Installation of IIB





BYW.BYWZ5.BYWZB系列 Series
隔爆型电力液压鼓式制动器
 Explosion Protected Electro-hydraulic Drum Brakes

V1.2

BYW、BYWZ5系列隔爆型鼓式制动器技术参数及安装尺寸 *Technical data and dimensions*

制动器型号 Brake type	隔爆型 推动器型号 Explosion protected 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	h2	b	F	G	J	E	H	A		Q			L	C	P	
																A型	B型	A型	B型					
BYW160-300 BYWZ5-160/30	Ed300-50 Ex	80~160	160	132	130	55	14	6	150	65	90	150	210	140	551	515	485	80	200	455	80	135	38	
BYW200-300 BYWZ5-200/30	Ed300-50 Ex	140~280	200	160	145	55	14	8	180	70(80)	90	165	245	170	545	525	495	80	200	490	80	135	41	
BYW250-300 BYWZ5-250/30	Ed300-50 Ex	160~315	250	190	180	65	18	10	205	90	100	200	275	205	565	620	585	80	200	530	80	135	52	
BYW250-500 BYWZ5-250/50	Ed500-60 Ex	250~500							175	(100)					645	595	560	97		600	97	155	63	
BYW315-300 BYWZ5-315/30	Ed300-50 Ex	200~400	315	230 (225)	220	80	18	10	190	110	110	245	358	260	625	645	615	80	200	560	80	135	76	
BYW315-500 BYWZ5-315/50	Ed500-60 Ex	315~630							205	(125)					655			645		97	650	97	155	88
BYW315-800 BYWZ5-315/80	Ed800-60 Ex	500~1000							90															
BYW400-500 BYWZ5-400/50	Ed500-60 Ex	400~800	400	280	270	100	22	12	190	140	140	300	420	315	745	700	670	97	200	715	97	155	110	
BYW400-800 BYWZ5-400/80	Ed800-60 Ex	630~1250							240	(160)					825	765	735	120		895	120	175	112	
BYW400-1250 BYWZ5-400/1250	Ed1250-60 Ex	1000~2000							210	135														
BYW500-800 BYWZ5-500/80	Ed800-60 Ex	800~1600	500	340 (335)	325	130	22	16	115	180	180	365	484	370	860	815	785	97	200	785	97	204		
BYW500-1250 BYWZ5-500/1250	Ed1250-60 Ex	1250~2500							300	(200)					835	803	120	955		120	175	208		
BYW500-2000 BYWZ5-500/200	Ed2000-60 Ex	2000~4000							210	210														

注：1) 括号内尺寸用于BYWZ5系列；隔爆型推动器电缆引入有三个电缆引入装置有三个位置方向(如图所示A、B、C，电缆引入装置标准设在A侧或制动器带手动释放装置时，与手柄相对的一侧)，可任选一位置安装，当电缆引入装置选择C侧时，需注意与制动器连接的底板不能与表中h2尺寸干涉，具体可与我司技术部门联系。

2) 此系列制动器在 I B、II B 安装形式时，默认不带手动释放，如特殊要求，具体可与我司技术部门联系。

Note: 1) The dimensions in the bracket are used for BYWZ5 series brake, there are three position directions for cable entry of explosion protected thrusters (shown as the figure for side A, B and C, cable entry position by standard is on the side A, or on the opposite side when brake with hand release device), any position can be installed, when select side C, note that bottom plate connected with the brake should not be interfered with h2, please keep contact with our technical department for details.

2) When installed as IB and IIB version, this series of brakes are not equipped with hand release, if there's special requirement, please contact our technical department.

BYWZB系列隔爆型鼓式制动器技术参数及安装尺寸 *Technical data and dimensions*

制动器型号 Brake type	隔爆型 推动器型号 Explosion protected 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	h2	b	F	G	J	E	H	A		Q			L	C
																A型	B型	A型	B型			
BYWZB-200/30	Ed300-50 Ex	100~200	200	170	175	60	17	8	175	90	100	210	245	200	515	495	465	80	200	260	80	33
BYWZB-300/30	Ed300-50 Ex	160~320	300	240	250	80	22	10	145	140	130	295	358	275	630	620	590	80	200	260	80	65
BYWZB-300/50	Ed500-60 Ex	315~630							205									97		340	97	86
BYWZB-400/50	Ed500-60 Ex	500~1000	400	320	325	130	22	12	190	180	180	350	420	350	760	710	680	97	200	450	97	111
BYWZB-400/80	Ed800-60 Ex	800~1600							125						820			200		115		
BYWZB-400/125	Ed1250-60 Ex	1000~2000							265						855			670		645	120	450
BYWZB-500/125	Ed1250-60 Ex	1250~2500	500	400	380	150	22	16	300	200	200	405	484	410	915	780	750	120	200	450	120	212
BYWZB-600/200	Ed2000-120 Ex	2500~5000	600	475	475	170	27	20	330	240	220	500	590	455	1075	890	860	120	200	475	120	309
BYWZB-700/200	Ed2000-120 Ex	4000~8000	700	550	540	200	34	25	255	280	270	575	760	550	1255	1100	1080	120	200	475	120	430
BYWZB-800/200	Ed2000-120 Ex	5000~10000	800	600	620	240	34	28	125	320	310	660	860	700	1780	1240	1210	120	200	475	120	590
BYWZB-800/300	Ed3000-120 Ex	6300~12500														1140	1110					595

注：隔爆型推动器电缆引入有三个电缆引入装置有三个位置方向(如图所示A、B、C，电缆引入装置标准设在A侧)，可任选一位置安装，当电缆引入装置选择C侧时，需注意与制动器连接的底板不能与表中h2尺寸干涉，具体可与我司技术部门联系。

Note: there are three position directions for cable entry of explosion protected thrusters (shown as the figure for side A, B and C, cable entry position by standard is on the side A), any position can be installed, when select side C, note that bottom plate connected with the brake should not be interfered with h2, please keep contact with our technical department for details.