

National Quality Benchmark
National Contract-abiding And Credit-worthy Enterprise
High-tech Enterprises



To Create Value For Customer
To Seek Benefit For Staff
To Accumulate Wealth For Society.

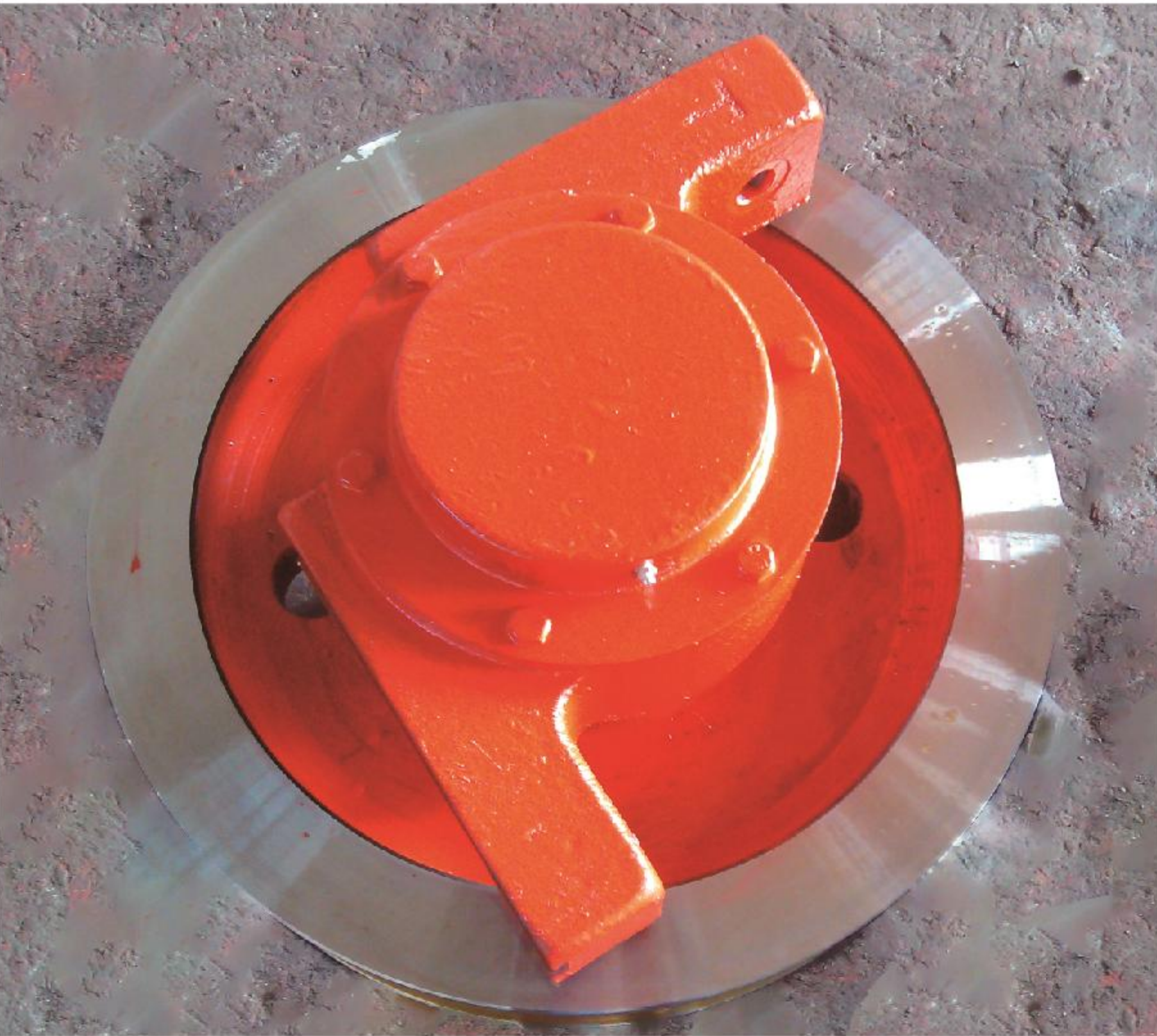
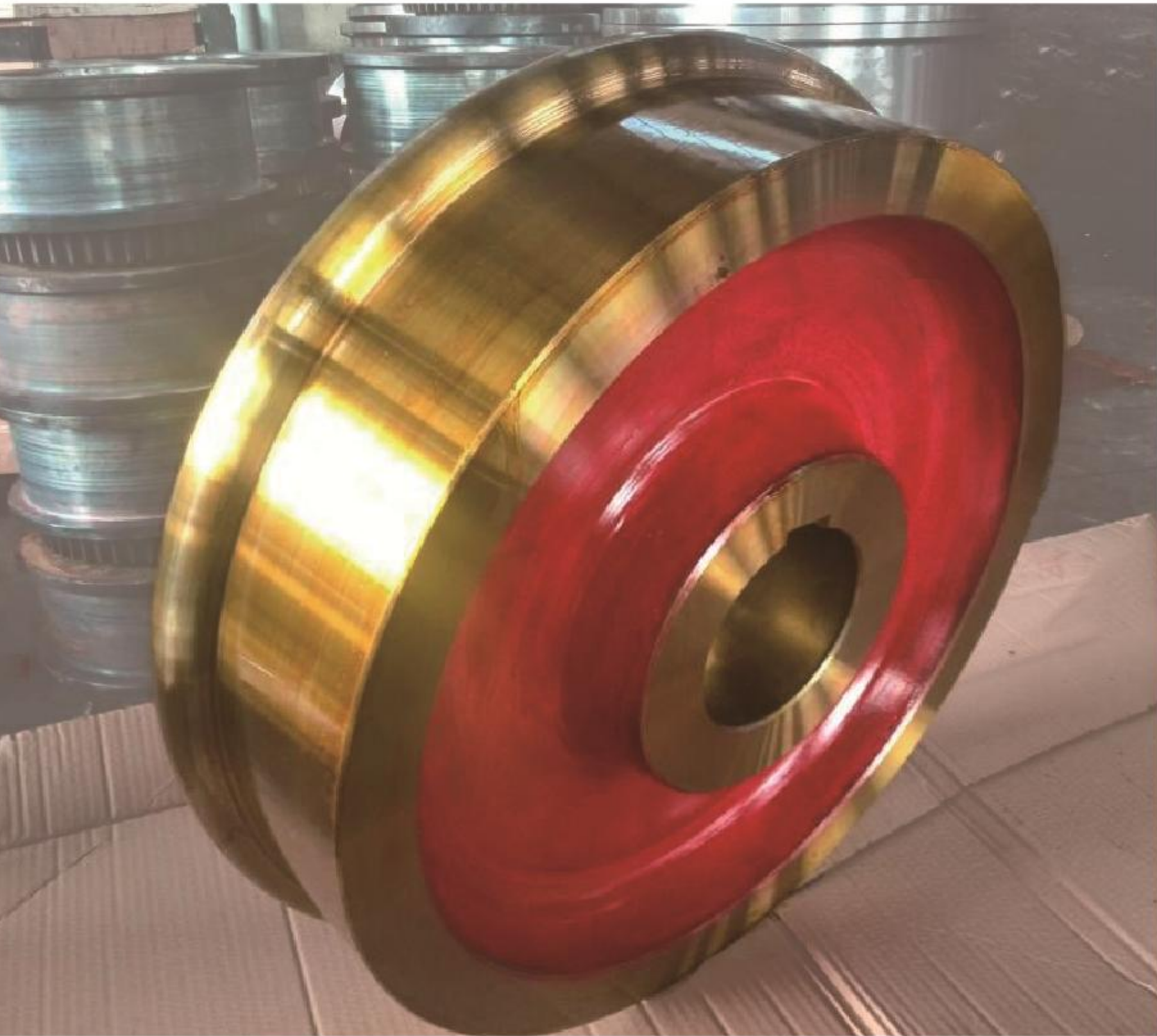


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DAFANG CRANE



CRANE WHEEL & WHEEL ASSEMBLY & DRS WHEEL BLOCKS PRODUCT CATALOG

CONTENTS

Crane Wheel

Wheel Assembly

DRS Wheel Blocks

Customized Other Wheels

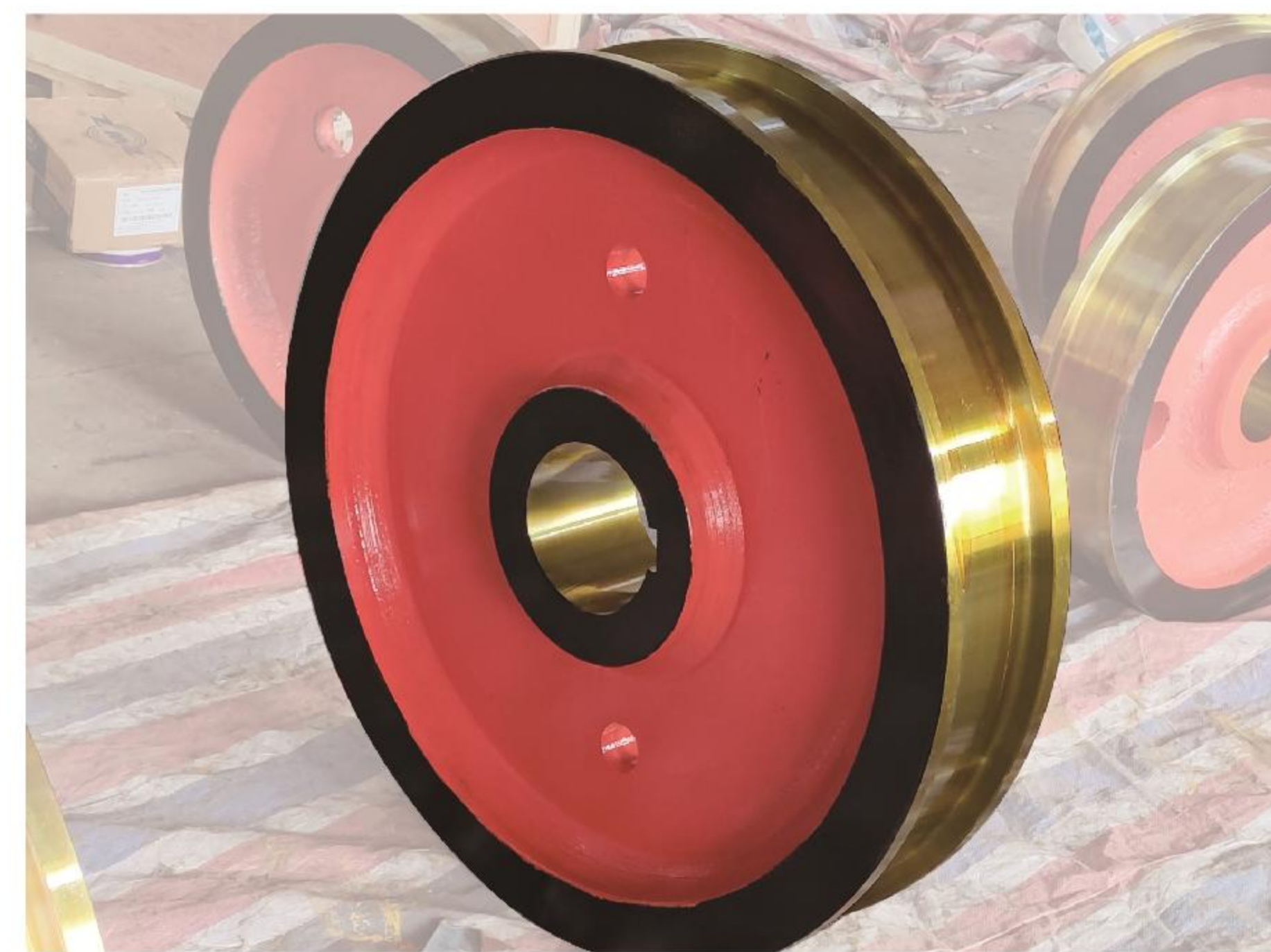
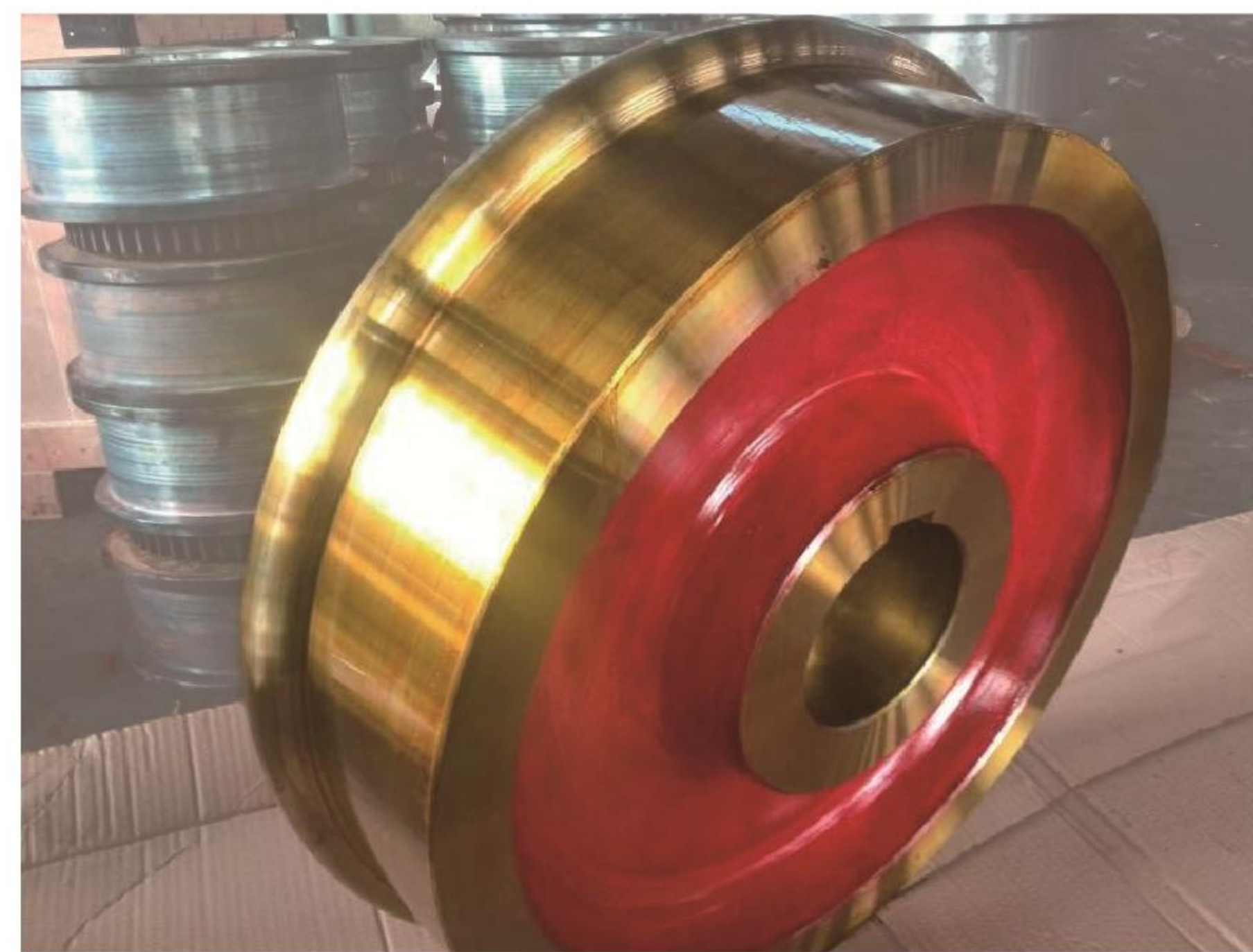
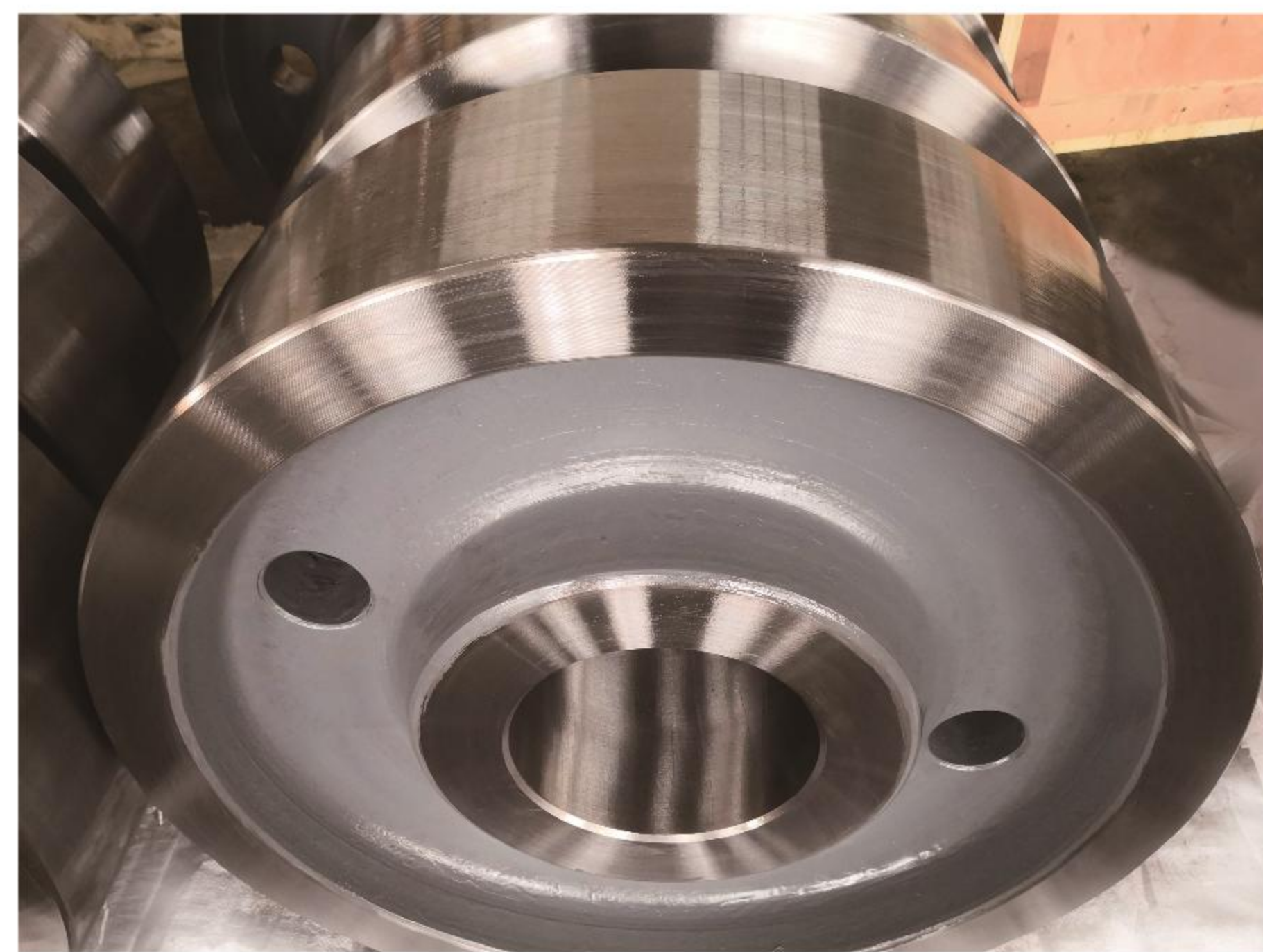
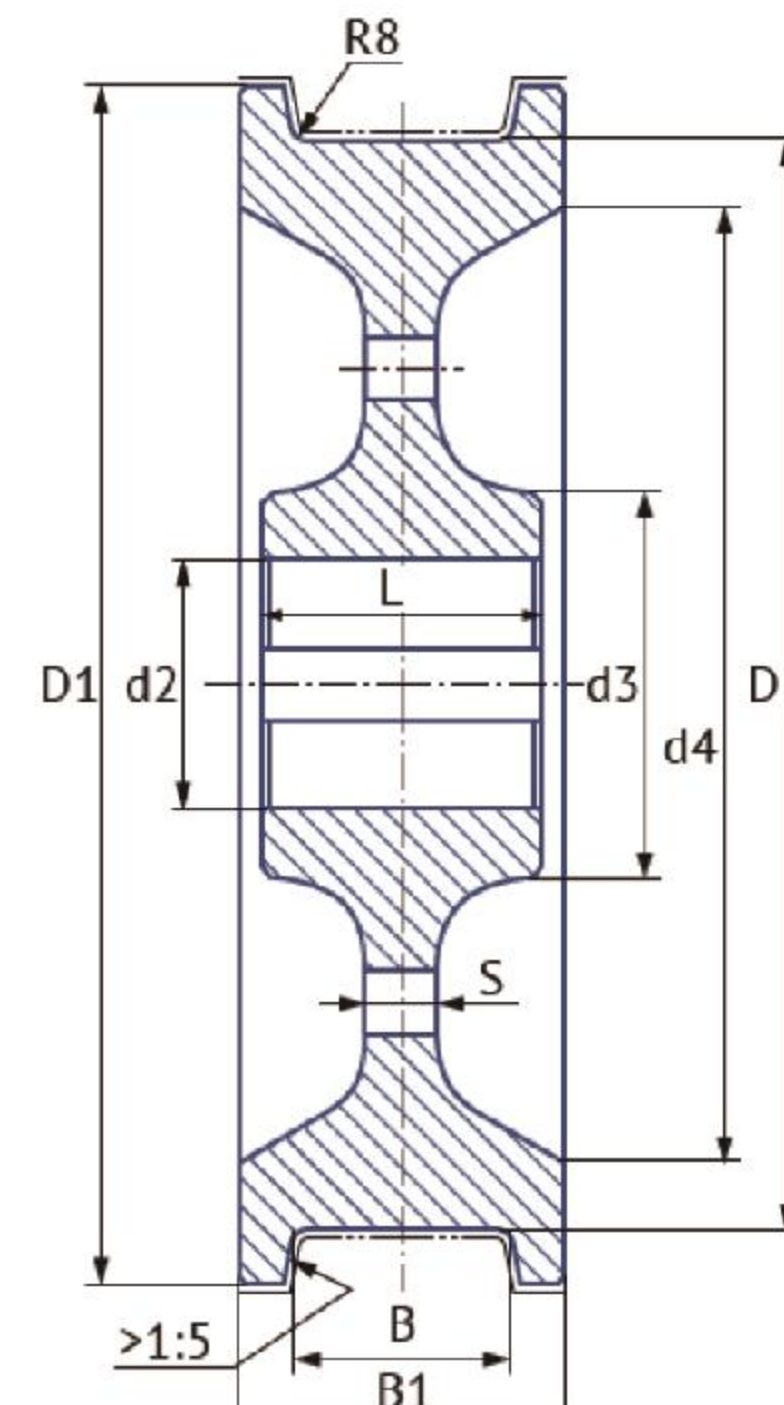
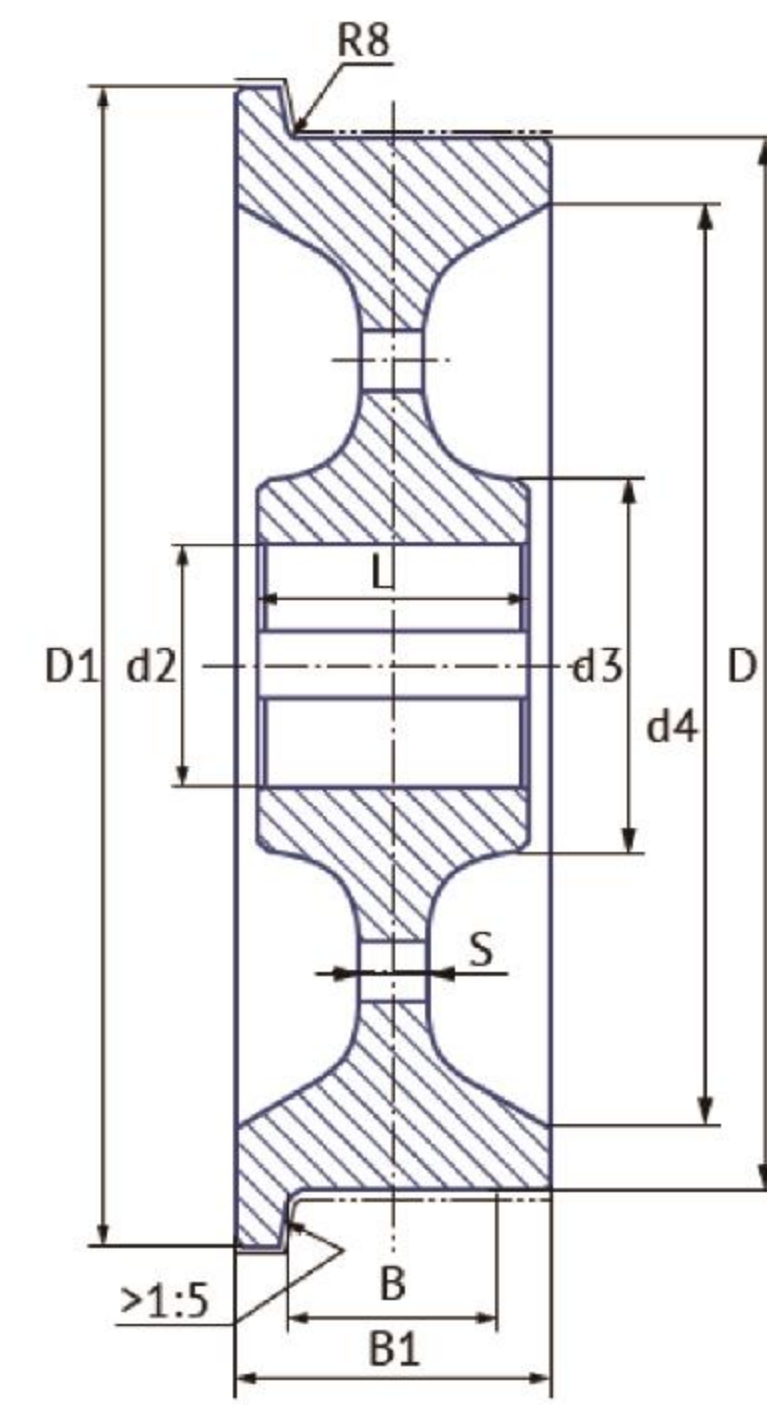
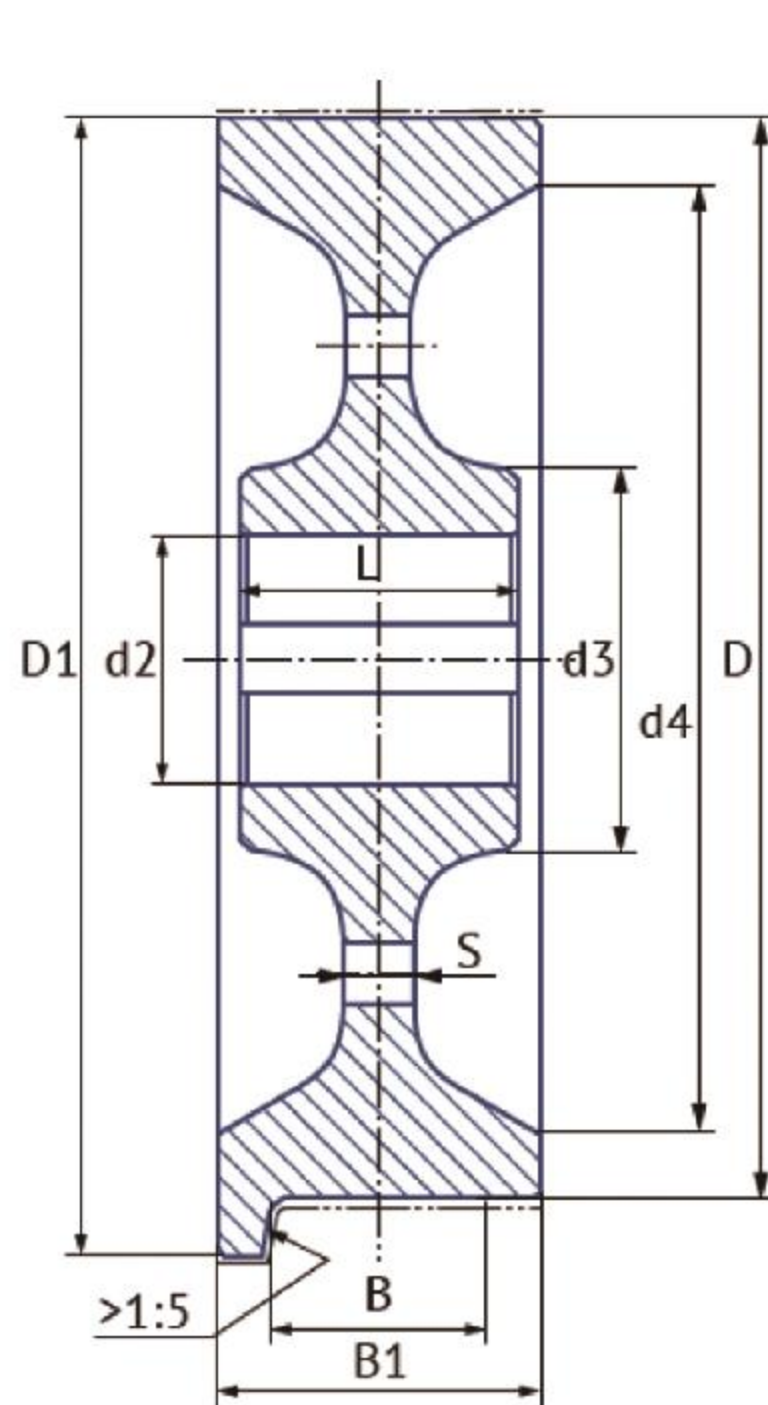
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16

CRANE WHEEL

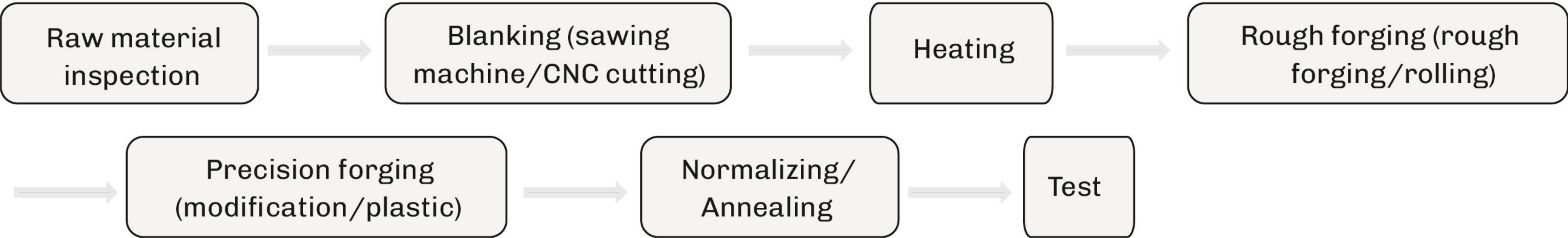


CRANE WHEELS are mainly used in all kinds of lift machines, such as single girder overhead crane, double girder overhead crane, gantry crane, and port crane etc.

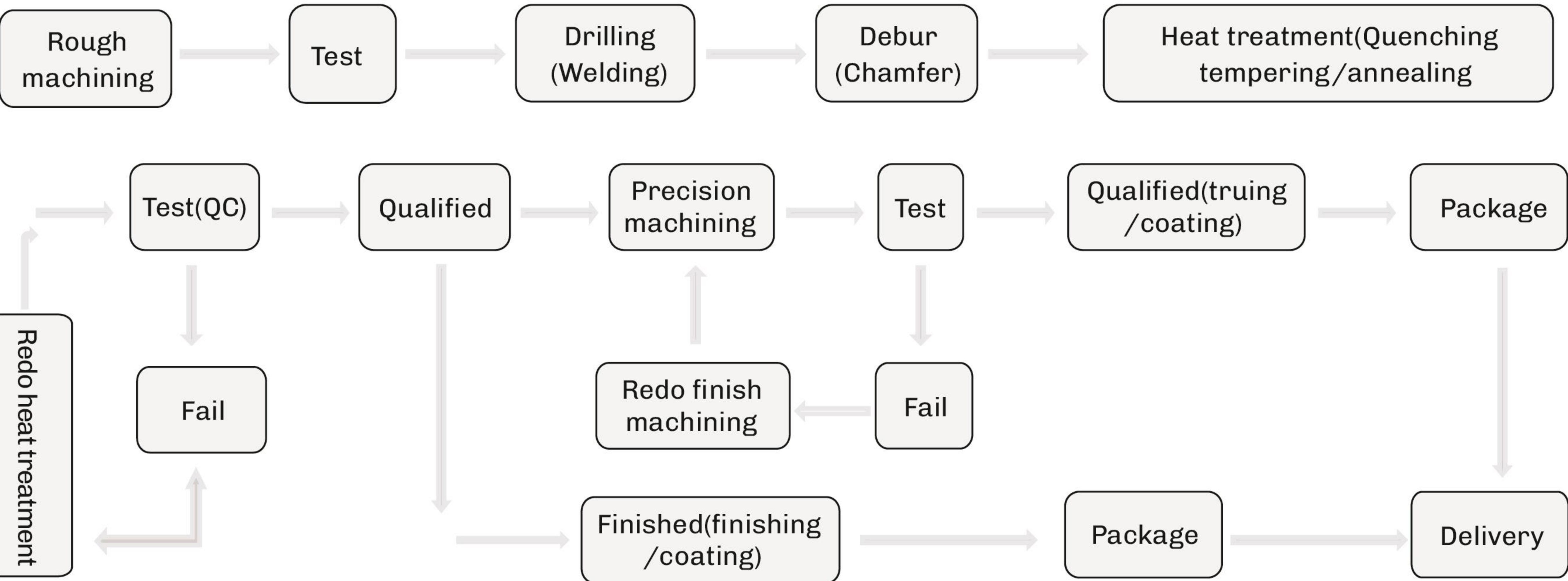
Classification by rims:
single rim wheel, double rim wheel, non-rim wheel, and other nonstandard wheels.

Classification by materials:
42CrMo4, AISI4140, 41Cr4, A504, SSW-Q1R, 65Mn, 1045, 1055, 1060, 1070, and ductile iron 400, 500,600,700 etc.

Blank processing

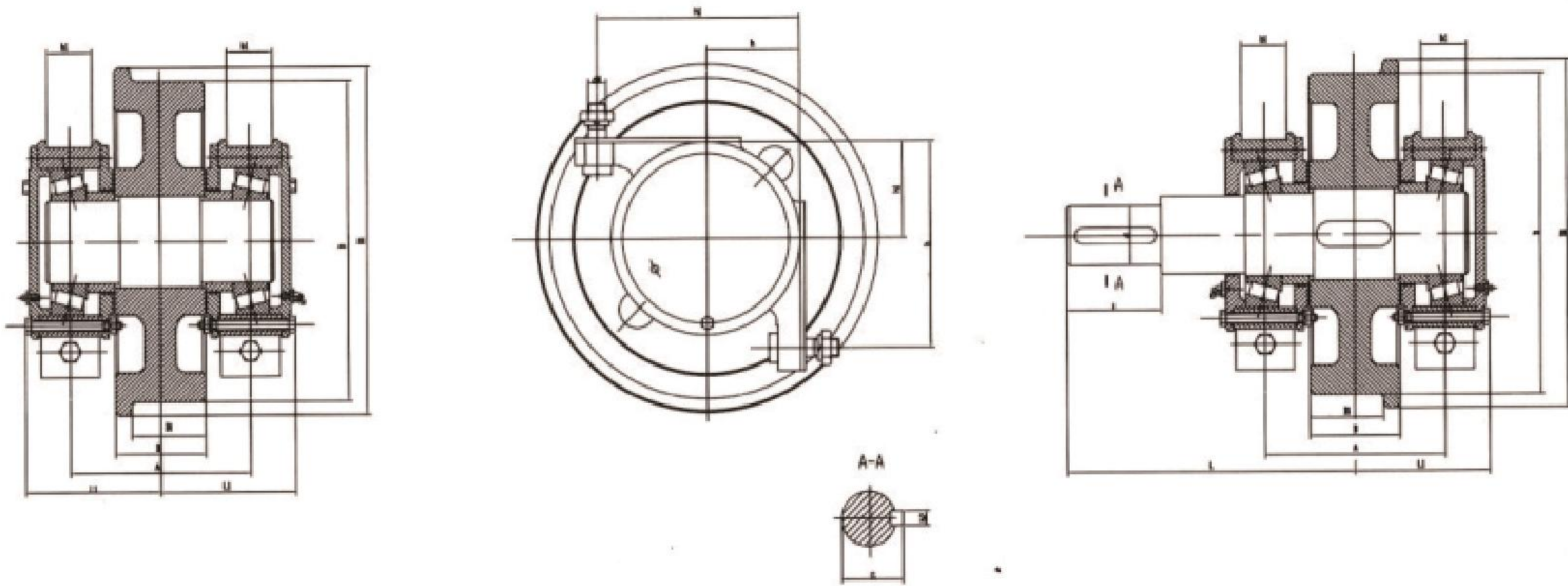


Processing



WHEEL ASSEMBLY

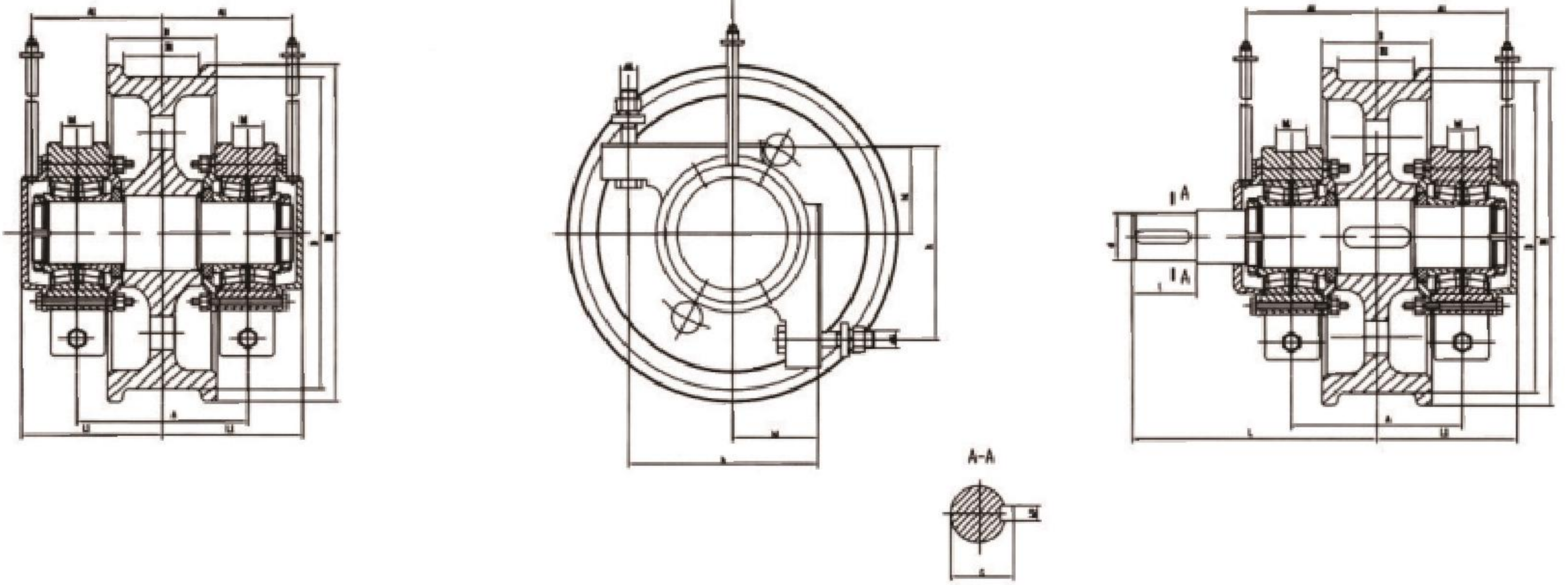
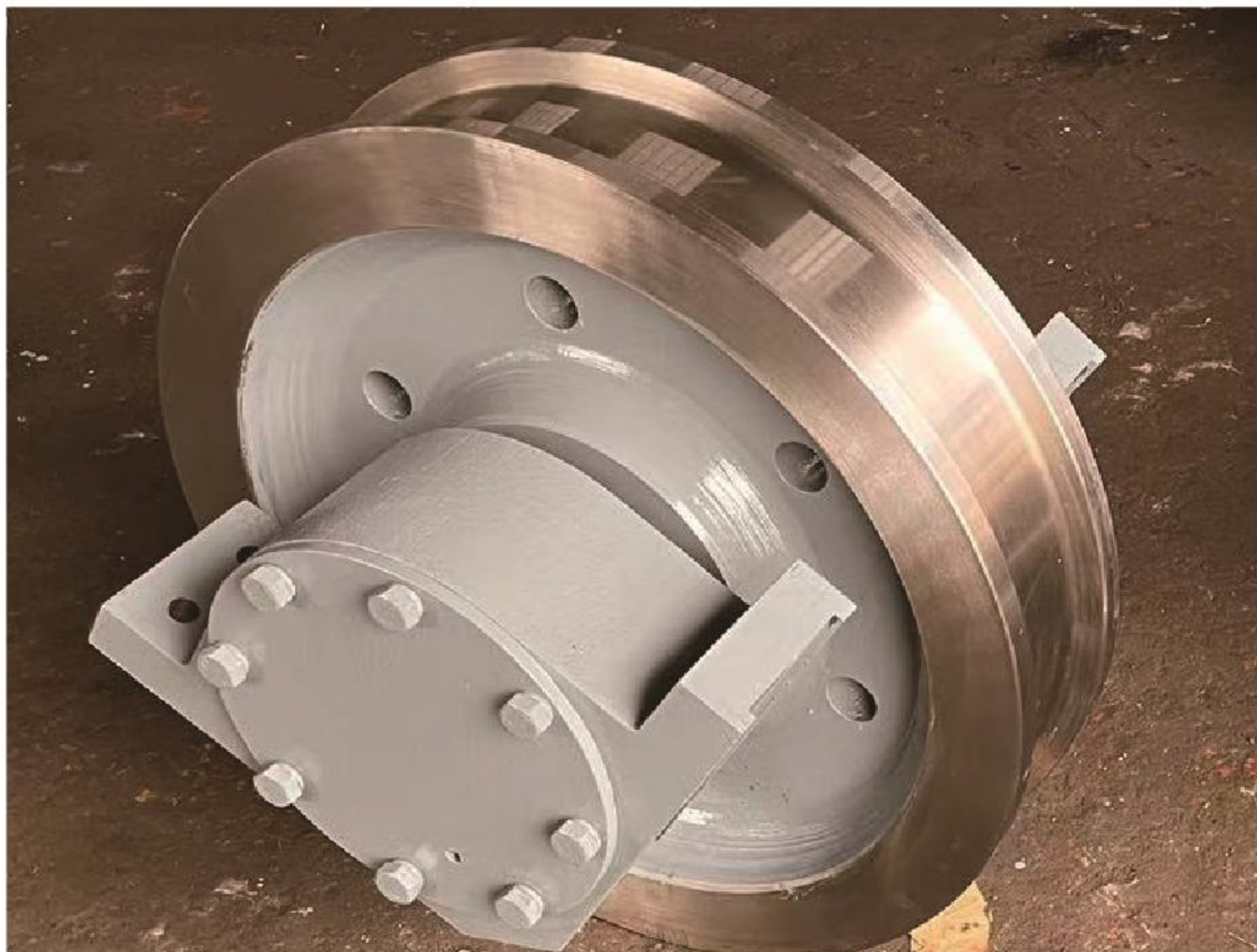
Single rim wheel assembly



标注方法：图号、名称直径D×宽度B Marking Form: Dry No\ Item. Dia(D)×with(B)

	Item	Drg.No	尺寸 DIMENSIONS mm															Weight	
	名称	图号	D(h9)	D1	B	B1	A	h	h1	b1	d(s6)	l	d4	L	L1	G	b2	重量	
1	Drive Wheels 主动车轮组 φ 250	L754	250	280	90	70	180	180	80	30	45	82	M20	237	130	485	14	45	
2	Drive Wheels 被动车轮组	L755	250	280	90	70	180	180	80	30	-	-	M20	-	130	-	-	42	
3	Drive Wheels 主动车轮组 φ 350	L756	350	380	100	81	200	225	105	50	65	105	M20	320	150	69	18	112	
4	Drive Wheels 被动车轮组	L757	350	380	100	81	200	225	105	50	-	-	M20	-	150	-	-	105	
5	Drive Wheels 主动车轮组 φ 400	L758	400	440	120	100	240	260	120	50	80	130	M20	365	170	85	22	155	
6	Drive Wheels 被动车轮组	L759	400	440	120	100	240	260	120	50	-	-	M20	-	170	-	-	148	
7	Drive Wheels 主动车轮组 φ 500	L762	500	540	130	110	270	300	140	50	80	130	M20	365	195	85	22	250	
8	Drive Wheels 被动车轮组	L764	500	540	130	110	270	300	140	50	-	-	M20	-	195	-	-	245	
9	Drive Wheels 主动车轮组 φ 315	L774	315	345	100	81	200	225	105	50	65	105	M20	320	150	69	18	112	
10	Drive Wheels 被动车轮组 φ 315	L775	315	345	100	81	200	225	105	50	-	-	M20	-	150	-	-	105	

Double rim wheel assembly



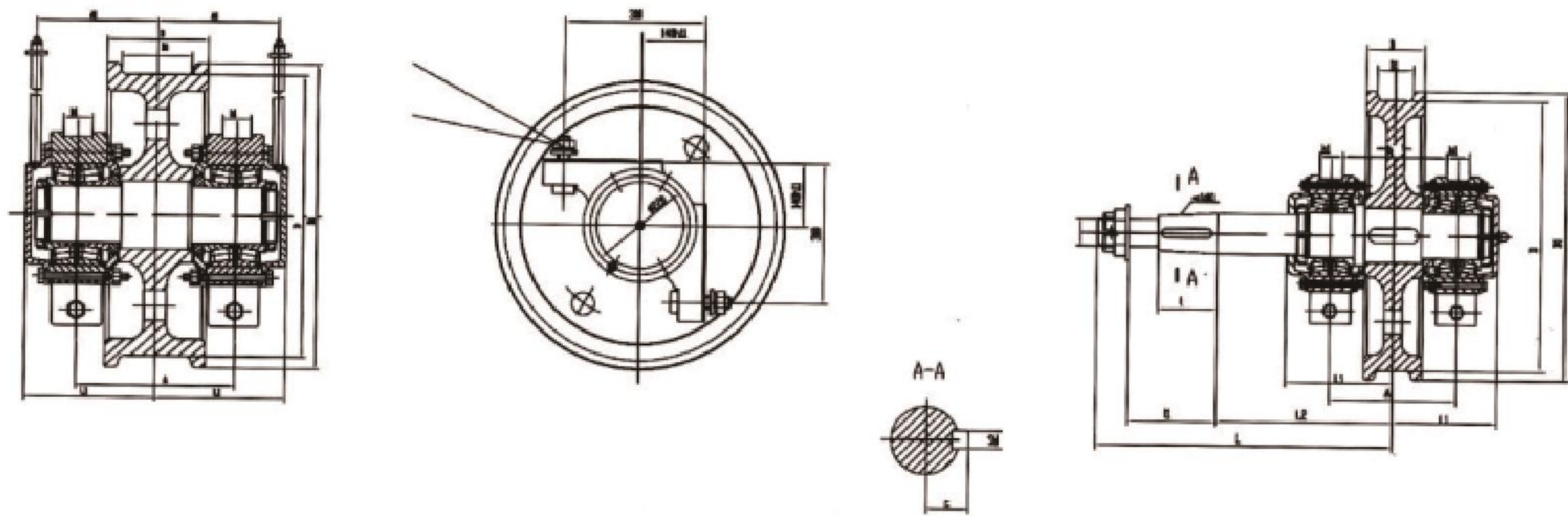
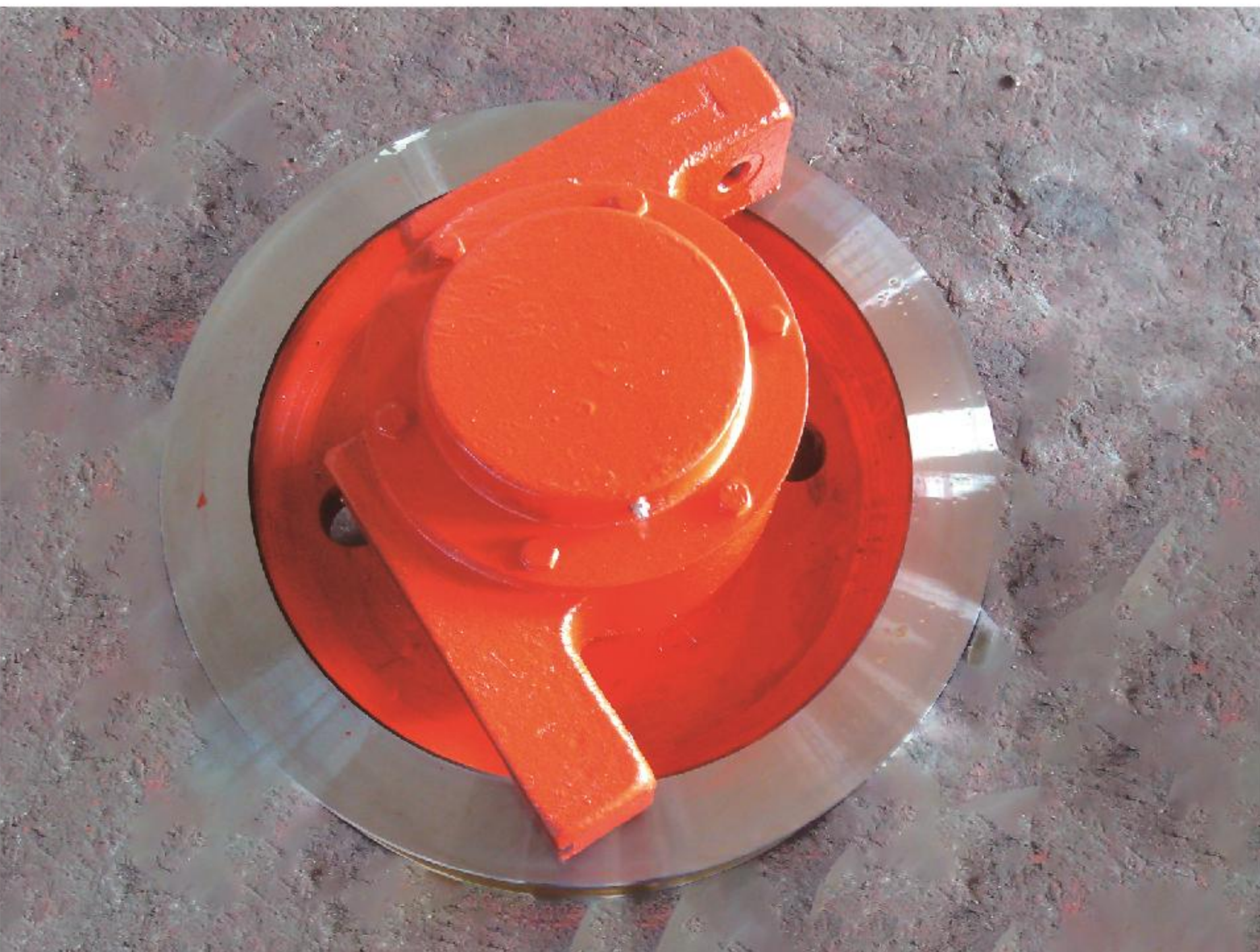
标注方法：图号、名称直径D×宽度B Marking Form: Dry No\ Item. Dia(D)×with(B)



Item	Drg.No	尺寸 Dimensions mm																	Weight	Remark
		名称	图号	D(h9)	D1	A	A1	h	h1	b	b1	d(s6)	l	d4	L	L1	G	b2	重量	备注
1	Drive Wheels	主动车轮组 φ 500	L764	500	540	280	213.5	310	140	230	50	75	105	M24	400	230	79.5	20	284	
2	Drive Wheels	被动车轮组 φ 500	L765	500	540	280	213.5	310	140	230	50	-	-		-	230	-	-	277	
3	Drive Wheels	主动车轮组 φ 600	L766	600	640	280	213	310	140	230	50	85	130		415	230	90	22	332	
4	Drive Wheels	主动车轮组 φ 600	L767	600	640	280	213	310	140	230	50	-	-	M30	415	230	-	-	322	
5	Drive Wheels	主动车轮组 φ 700	L768	700	750	315	240	350	160	235	80	90	130		455	260	95	25	508	
6	Drive Wheels	主动车轮组 φ 700	L769	700	750	315	240	350	160	235	80	-	-		-	260	-	-	495	
7	Drive Wheels	主动车轮组 φ 800	L770	800	850	365	280	410	190	275	90	95	130		500	300	100	25	756	
8	Drive Wheels	主动车轮组 φ 800	L771	800	850	365	280	410	190	275	90	-	-		-	300	-	-	743	

WHEEL ASSEMBLY

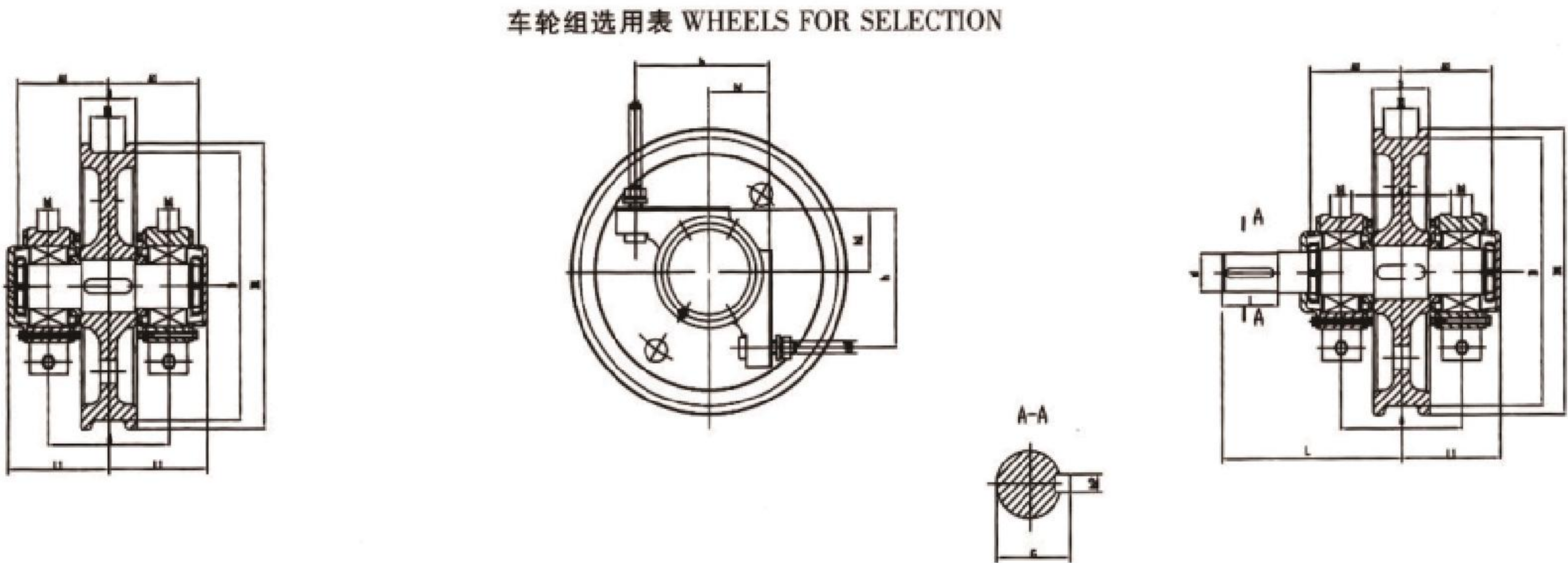
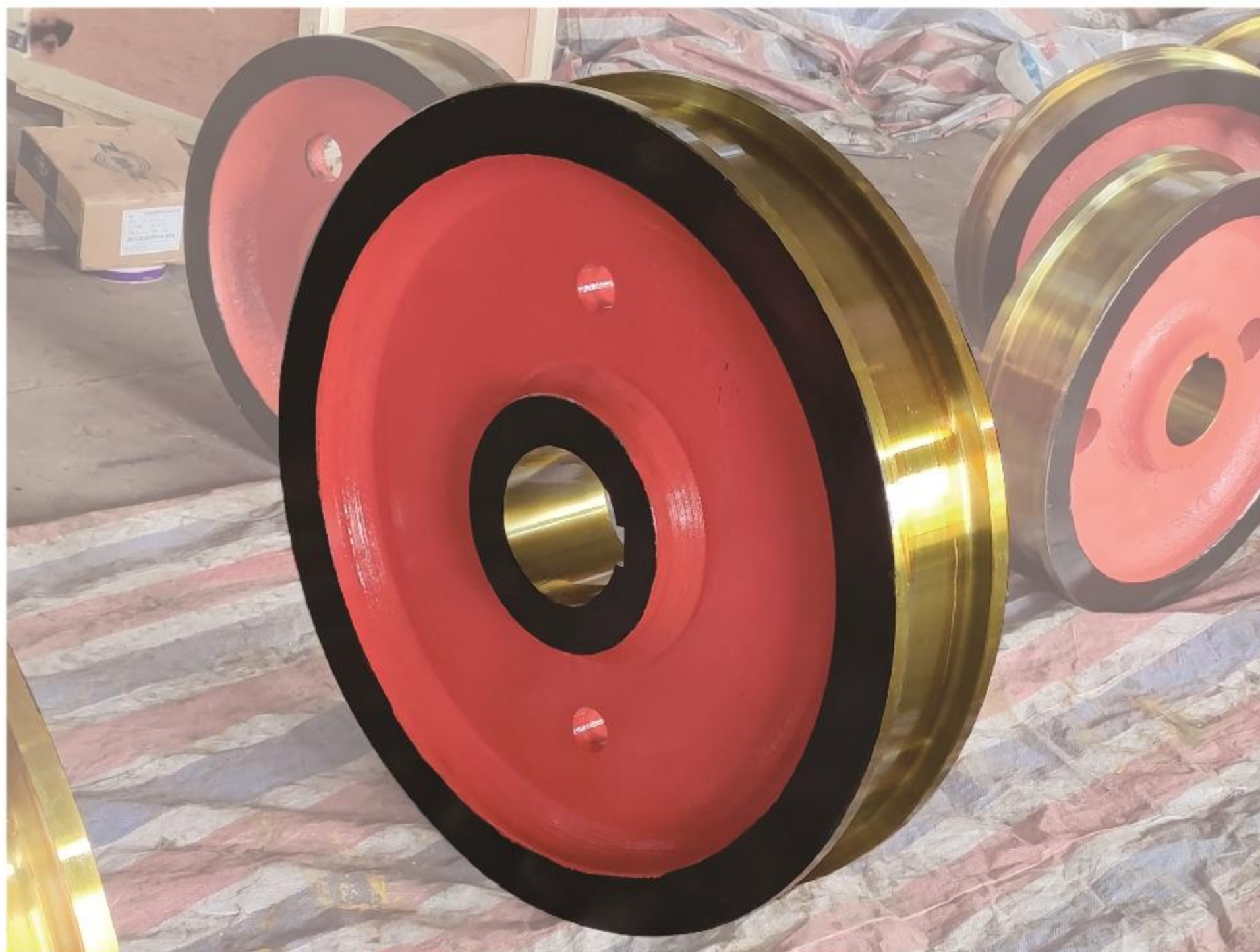
Double rim wheel assembly



标注方法：图号、名称直径D×宽度B Marking Form: Dry No\ Item. Dia(D)×with(B)

	Item 名称	Drg.No 图号	尺寸 DIMENSIONS mm																			Weight	
			D	D1	B	B1	A	A1	h	h1	b	b1	M	d4	L	L1	L2	I	I1	G	b2	重量	
1	Drive Wheels 主动车轮组 φ 600	L783	600	640	150	100	280		310	140	230	50	60×3	24	655	240	390	130	195	46.7	22	339.6	
2	Drive Wheels 被动车轮组 φ 600	L813	600	640			280		310	140	230	50		24	-	240	-	-	-	-	-	-	316
3	Drive Wheels 主动车轮组 φ 700	L784	700	750	150	100	315		350	160	235	80	76×3	30	725	270	340	320	320	50.9	25	554	
				160	110																		
4	Drive Wheels 被动车轮组 φ 700	L814	700	750	190	30	315		350	160	235	80		30	-	270	-	-	-	-	-	533	
					200	150																	
5	Drive Wheels 主动车轮组 φ 800	L785	800	850	150	100	355		410	190	275	90	80×3	30	872	310	425	380	380	61.9	28	833	
				160	110																		
6	Drive Wheels 主动车轮组 φ 800	L815	800	850	190	130	365		410	190	275	90		30	-	310	-	-	-	-	-	745	
				210	150																		

Double rim wheel assembly

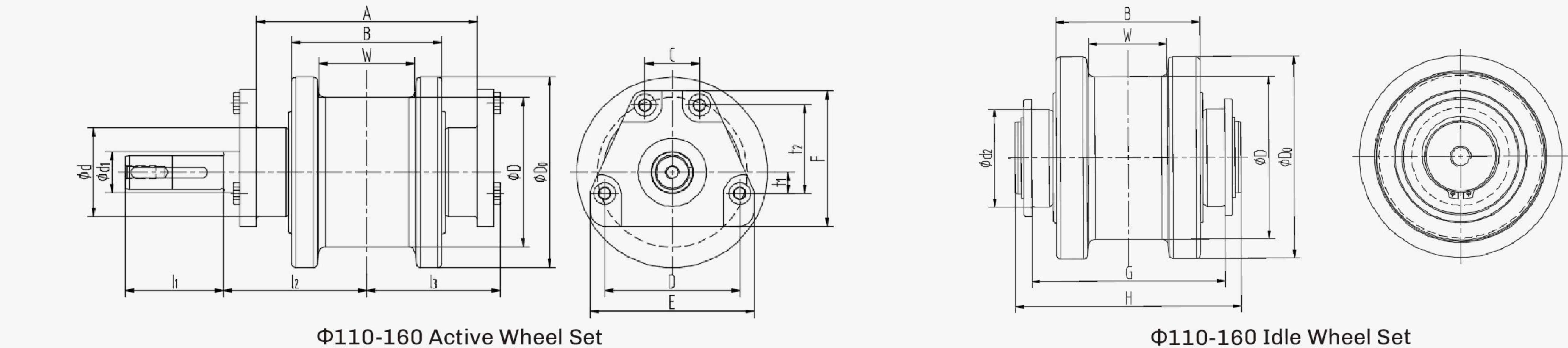
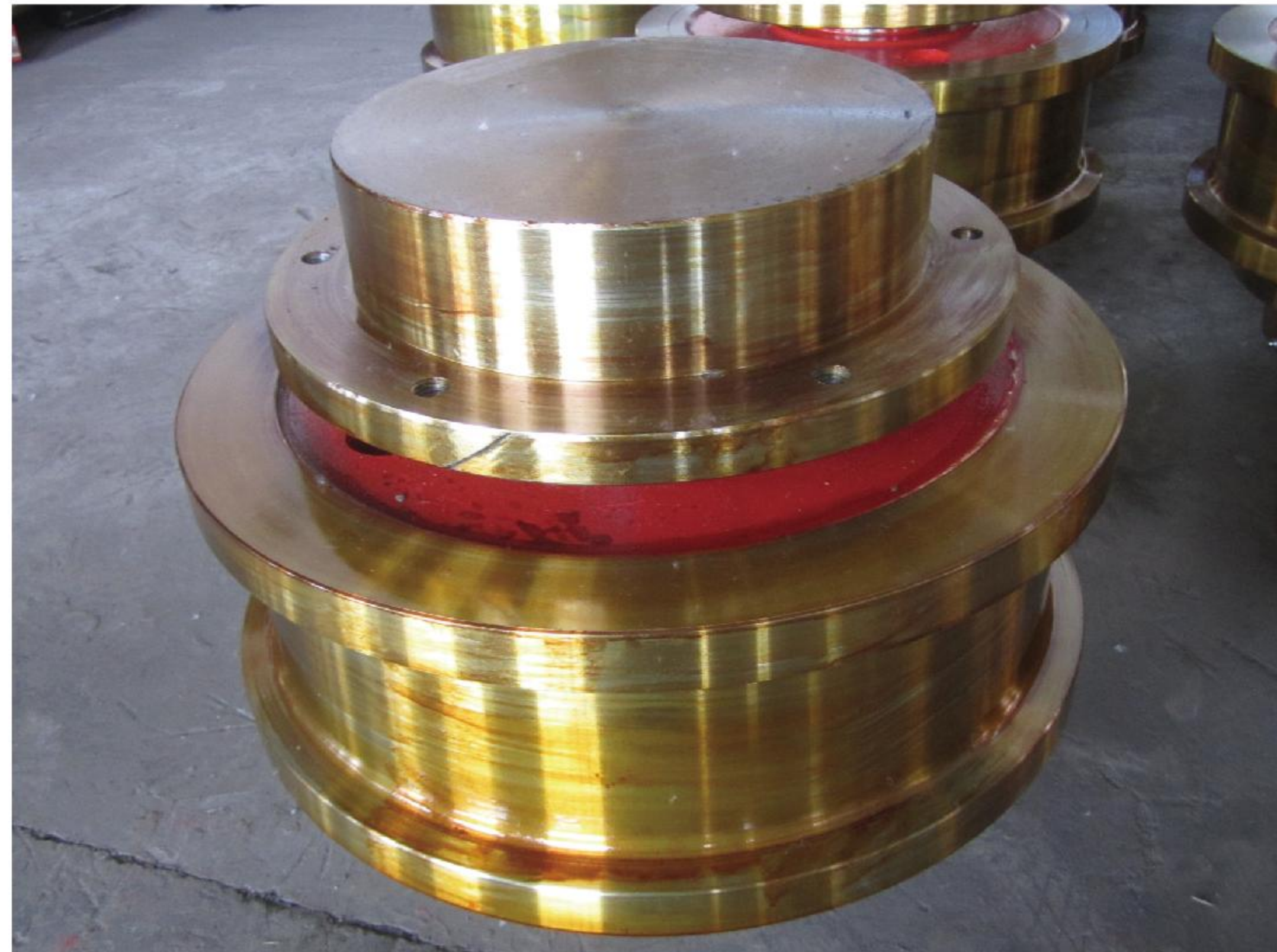
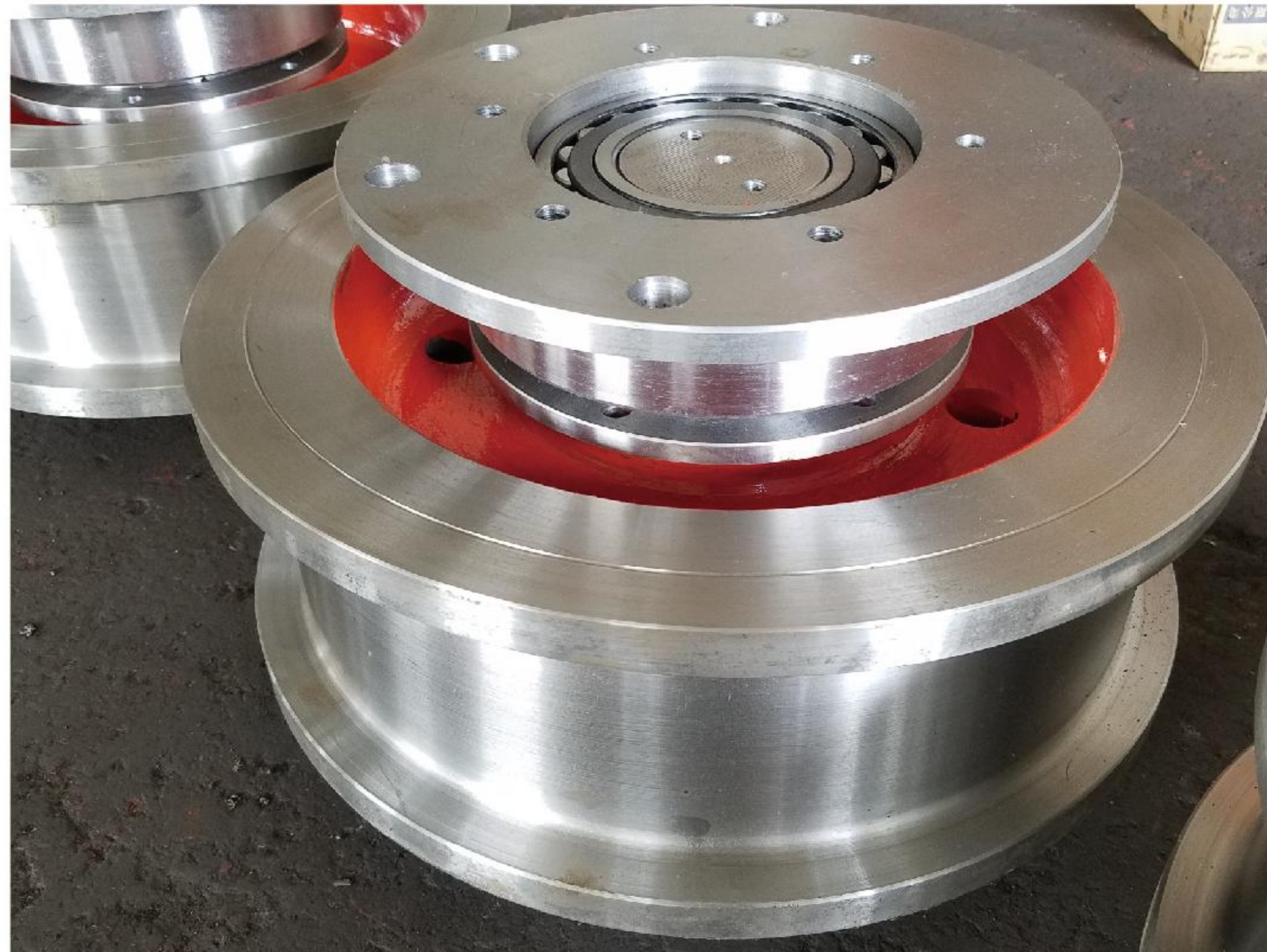


标注方法：图号、名称直径D×宽度B Marking Form: Dry No\ Item. Dia(D)×with(B)

	Item 名称	Drg.No 图号	尺寸 DIMENSIONS mm																	Weight	
			D	D1	B	B1	A	A1	h	h1	b	b1	d(s6)	d4	L	L1	I	G	b2	重量	
1	Drive Wheels 主动车轮组 φ 600	L172	600	650	140 150	90 100	280	211	335	155	230	50	95	24	450	226	130	100	25	399	
2	Drive Wheels 被动车轮组 φ 600	L173	600	650	160 180	110 130	280	211	335	155	230	50	-	24	-	260	-	-	-	369	
3	Drive Wheels 主动车轮组 φ 600	L174	600	650	140 150	90 100	325	240	390	180	255	70	95	24	470	255	130	100	25	506	
4	Drive Wheels 主动车轮组 φ 600	L175	600	650	160 180	110 130	325	240	390	180	255	70	-	24	-	255	-	-	-	486	
5	Drive Wheels 主动车轮组 φ 700	L176	700	750	200 150	150 100	360	265	440	200	280	80	110	30	500	280	165	116	28	754	
6	Drive Wheels 被动车轮组 φ 700	L177	700	750	160 180	110 130	360	256	440	200	280	80	-	30	-	280	-	-	-	680	
7	Drive Wheels 主动车轮组 φ 700	L178	700	750	150 160	100 110	380	285	485	220	300	80	110	30	500	305	165	116	28	849	
8	Drive Wheels 被动车轮组 φ 700	L179	700	750	180 200	130 150	380	285	485	220	300	80	-	30	-	305	-	-	-	849	
9	Drive Wheels 主动车轮组 φ 800	L196	800	850	150 160	100 100	380	285	485	220	300	80	120	30	520	305	165	127	32	969	
10	Drive Wheels 被动车轮组 φ 800	L197	800	850	180 200	130 150	380	285	485	220	300	80	-	30	-	305	-	-	-	925	

WHEEL ASSEMBLY

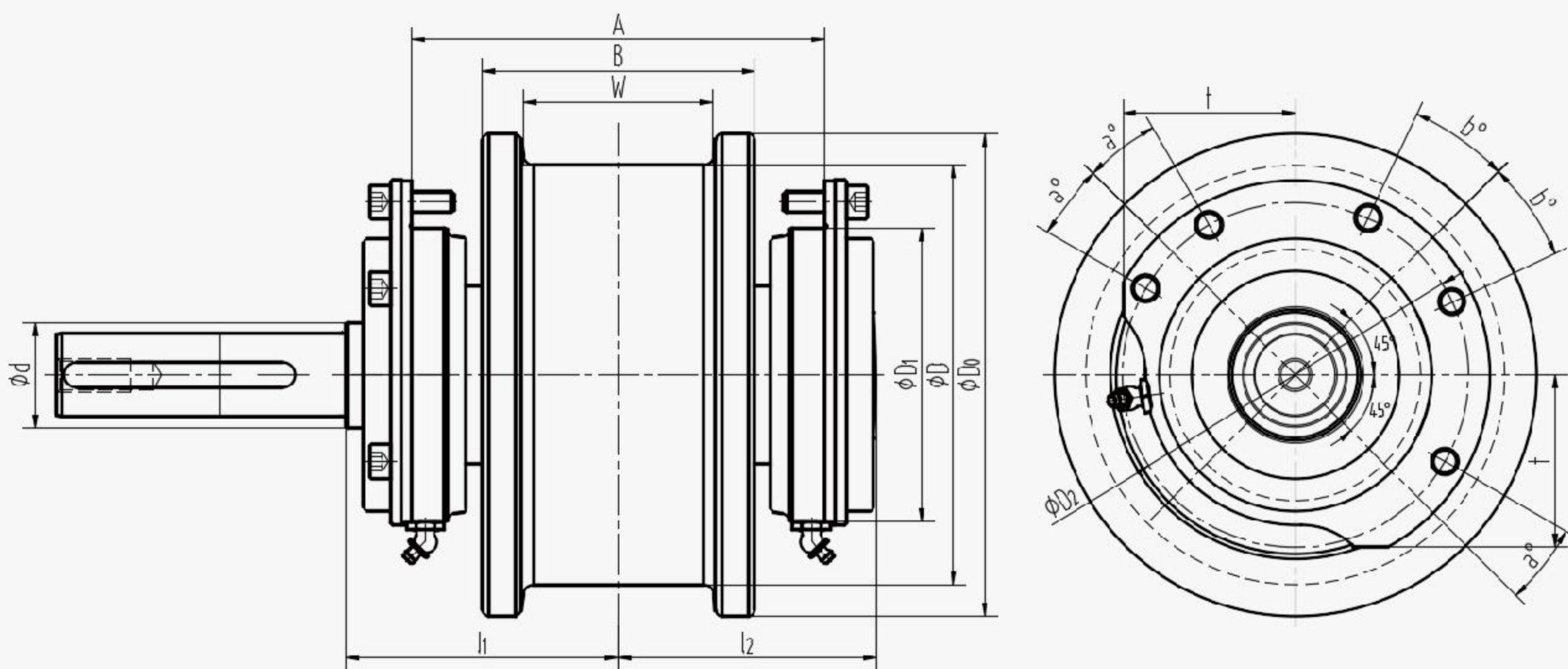
European type wheel assembly



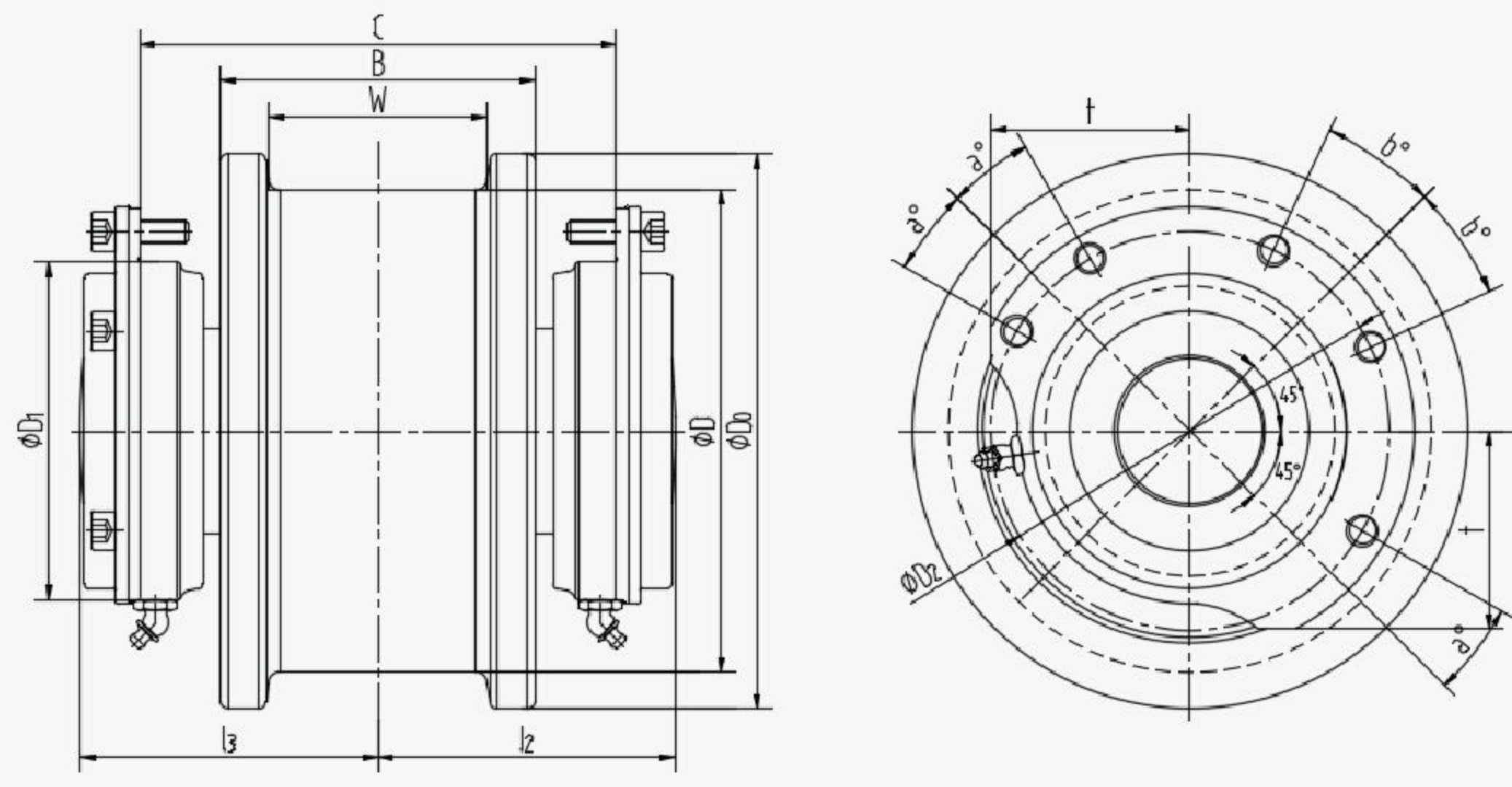
Tips: The wheel is made of 40Cr material, the tread surface and the inner side of the wheel flange are heat treated with a hardness of (330~380) HBW, and the depth of the hardened layer at 260HVB is ≥5; :mm.

Drawing No.	Product Name	ΦD	ΦD0	Φd	Φd1	Φd2h7	W	A	B	C	D	E	F	G	H	I1	I2	I3	t1	t2	Bolts
SWA110FSA110	Φ110 Active wheel set	110	140	65	30	/	40-85	162	110	40	99	120	100	/	/	Determined based on the reducer model	105	98	15.5	65	M10
SWA110FSB110	Φ110 Idle wheel set	110	140	/	/	40	40-85	/	110	/	/	/	/	148	171	/	/	/	/	/	/
SWA125FSA110	Φ125 Active wheel set	125	155	65	30	/	40-85	162	110	40	99	120	100	/	/	Determined based on the reducer model	105	98	15.5	65	M10
SWA125FSA120	Φ125 Active wheel set	125	155	65	30	/	80-90	162	120	40	99	120	100	/	/	Determined based on the reducer model	105	98	15.5	65	M10
SWA125FSB110	Φ125 Idle wheel set	125	155	/	/	75	40-85	/	110	/	/	/	/	148	173	/	/	/	/	/	/
SWA125FSB120	Φ125 Idle wheel set	125	155	/	/	75	80-90	/	120	/	/	/	/	148	173	/	/	/	/	/	/
SWA140FSA110	Φ140 Active wheel set	140	170	65	30	/	40-80	162	110	40	99	120	100	/	/	Determined based on the reducer model	105	98	15.5	65	M10
SWA140FSA120	Φ140 Active wheel set	140	170	65	30	/	70-90	162	120	40	99	120	100	/	/	Determined based on the reducer model	105	98	15.5	65	M10
SWA140FSB110	Φ140 Idle wheel set	140	170	/	/	75	40-80	/	110	/	/	/	/	148	173	/	/	/	/	/	/
SWA140FSB120	Φ140 Idle wheel set	140	170	/	/	75	70-90	/	120	/	/	/	/	148	173	/	/	/	/	/	/
SWA160FSA110	Φ160 Active wheel set	160	190	/	40	/	40-80	162	110	74	149	170	125	/	/	Determined based on the reducer model	105	101	29	100	M10
SWA160FSA120	Φ160 Active wheel set	160	190	/	40	/	70-90	162	120	74	149	170	125	/	/	Determined based on the reducer model	105	101	29	100	M10
SWA160FSB110	Φ160 Idle wheel set	160	190	/	/	85	40-80	/	110	/	/	/	/	148	174	/	/	/	/	/	/
SWA160FSB120	Φ160 Idle wheel set	160	190	/	/	85	70-90	/	120	/	/	/	/	148	174	/	/	/	/	/	/

WHEEL ASSEMBLY



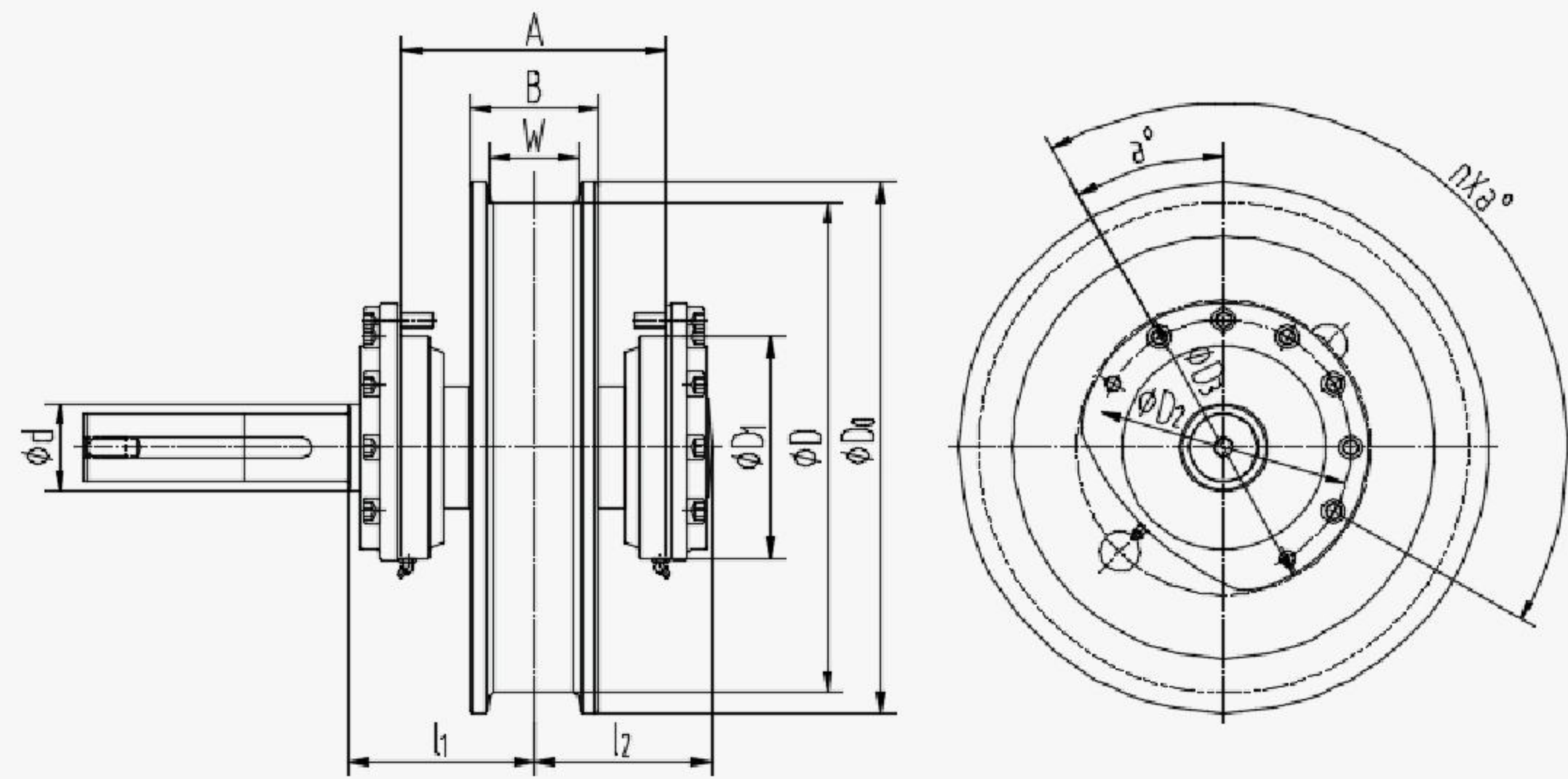
Φ200-400 Active Wheel Set



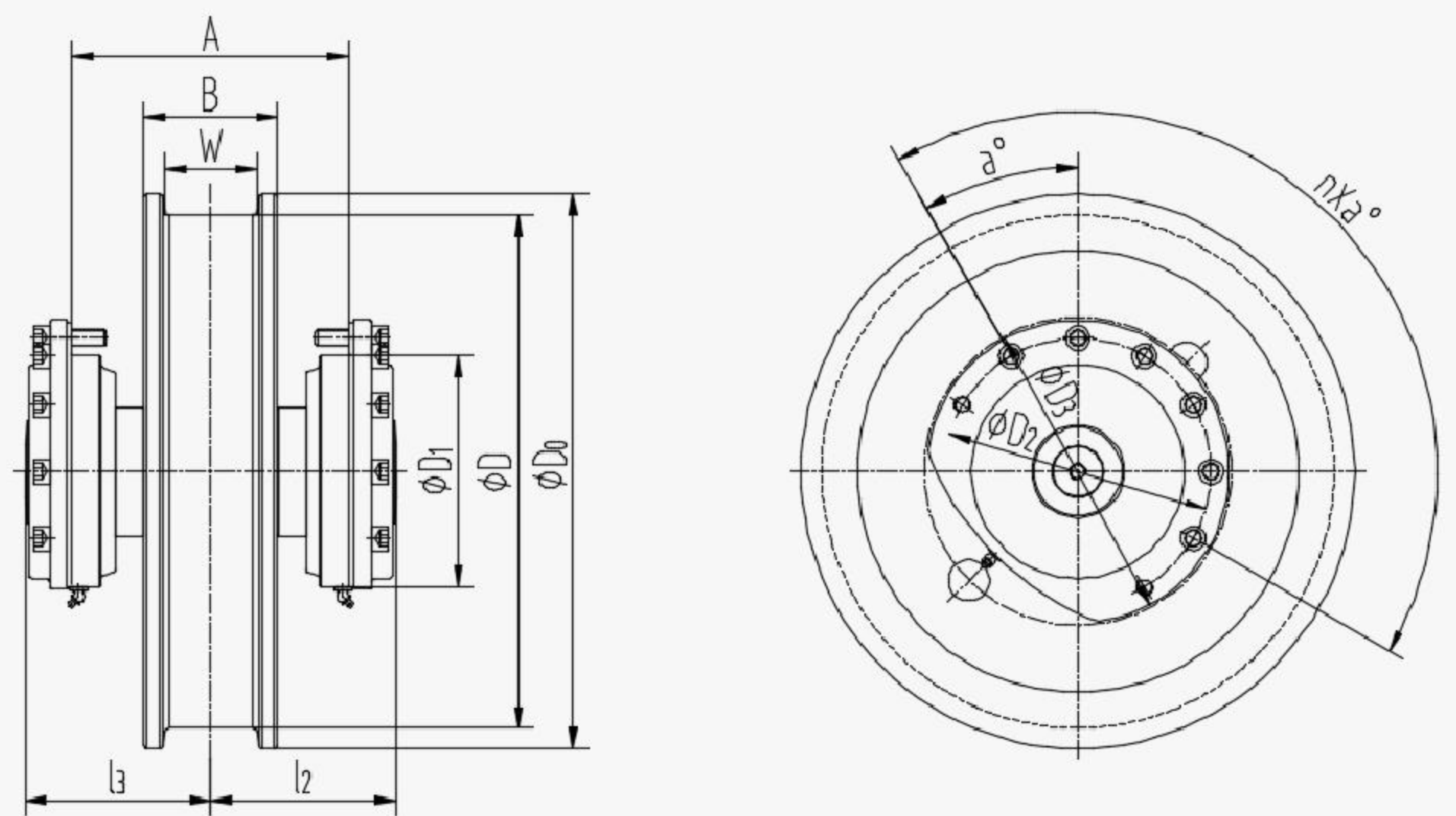
Φ200-400 Idle Wheel Set

Tips: The wheel is made of 40Cr material, the tread surface and the inner side of the wheel flange are heat treated with a hardness of (330~380) HBW, and the depth of the hardened layer at 260HBW is ≥5; :mm.

Drawing No.	Product Name	ΦD	ΦD0	ΦD1	ΦD2	Φd	W	A	B	C	a°	b°	l1	l2	l3	t	Bolts
SWA200FSL130	Φ200 Active wheel set	200	230	140	165	50	50-95	197	130	/	15	20	130	123	/	82	M10
SWA200FSL140	Φ200 Active wheel set	200	230	140	165	50	90-105	197	140	/	15	20	130	123	/	82	M10
SWA200FSB130	Φ200 Idle wheel set	200	230	140	165	/	50-95	/	130	197	15	20	/	123	123	82	M10
SWA200FSB140	Φ200 Idle wheel set	200	230	140	165	/	90-105	/	140	197	15	20	/	123	123	82	M10
SWA250FSL130	Φ250 Active wheel set	250	280	165	186	70	50-95	214	130	/	11	11	145	134.5	/	90	M10
SWA250FSL140	Φ250 Active wheel set	250	280	165	186	70	90-105	214	140	/	11	11	145	134.5	/	90	M10
SWA250FSB130	Φ250 Idle wheel set	250	280	165	186	/	50-95	/	130	214	11	11	/	134.5	134.5	90	M10
SWA250FSB140	Φ250 Idle wheel set	250	280	165	186	/	90-105	/	140	214	11	11	/	134.5	134.5	90	M10
SWA315FSL130	Φ315 Active wheel set	315	350	165	186	70	60-95	218	130	/	11	11	155	136.5	/	90	M10
SWA315FSL140	Φ315 Active wheel set	315	350	165	186	70	80-100	218	140	/	11	11	155	136.5	/	90	M10
SWA315FSL150	Φ315 Active wheel set	315	350	165	186	70	90-110	218	150	/	11	11	155	136.5	/	90	M10
SWA315FSB130	Φ315 Idle wheel set	315	350	165	186	/	60-95	/	130	218	11	11	/	136.5	136.5	90	M10
SWA315FSB140	Φ315 Idle wheel set	315	350	165	186	/	80-100	/	140	218	11	11	/	136.5	136.5	90	M10
SWA315FSB150	Φ315 Idle wheel set	315	350	165	186	/	90-110	/	150	218	11	11	/	136.5	136.5	90	M10
SWA400FSL130	Φ400 Active wheel set	400	440	195	220	80	60-90	224	130	/	14	14	160	142.5	/	108	M12
SWA400FSL140	Φ400 Active wheel set	400	440	195	220	80	80-100	224	140	/	14	14	160	142.5	/	108	M12
SWA400FSL150	Φ400 Active wheel set	400	440	195	220	80	90-110	224	150	/	14	14	160	142.5	/	108	M12
SWA400FSB130	Φ400 Idle wheel set	400	440	195	220	/	60-90	/	130	224	14	14	/	142.5	142.5	108	M12
SWA400FSB140	Φ400 Idle wheel set	400	440	195	220	/	80-100	/	140	224	14	14	/	142.5	142.5	108	M12
SWA400FSB150	Φ400 Idle wheel set	400	440	195	220	/	90-110	/	150	224	14	14	/	142.5	142.5	108	M12



Φ500-710 Active Wheel Set



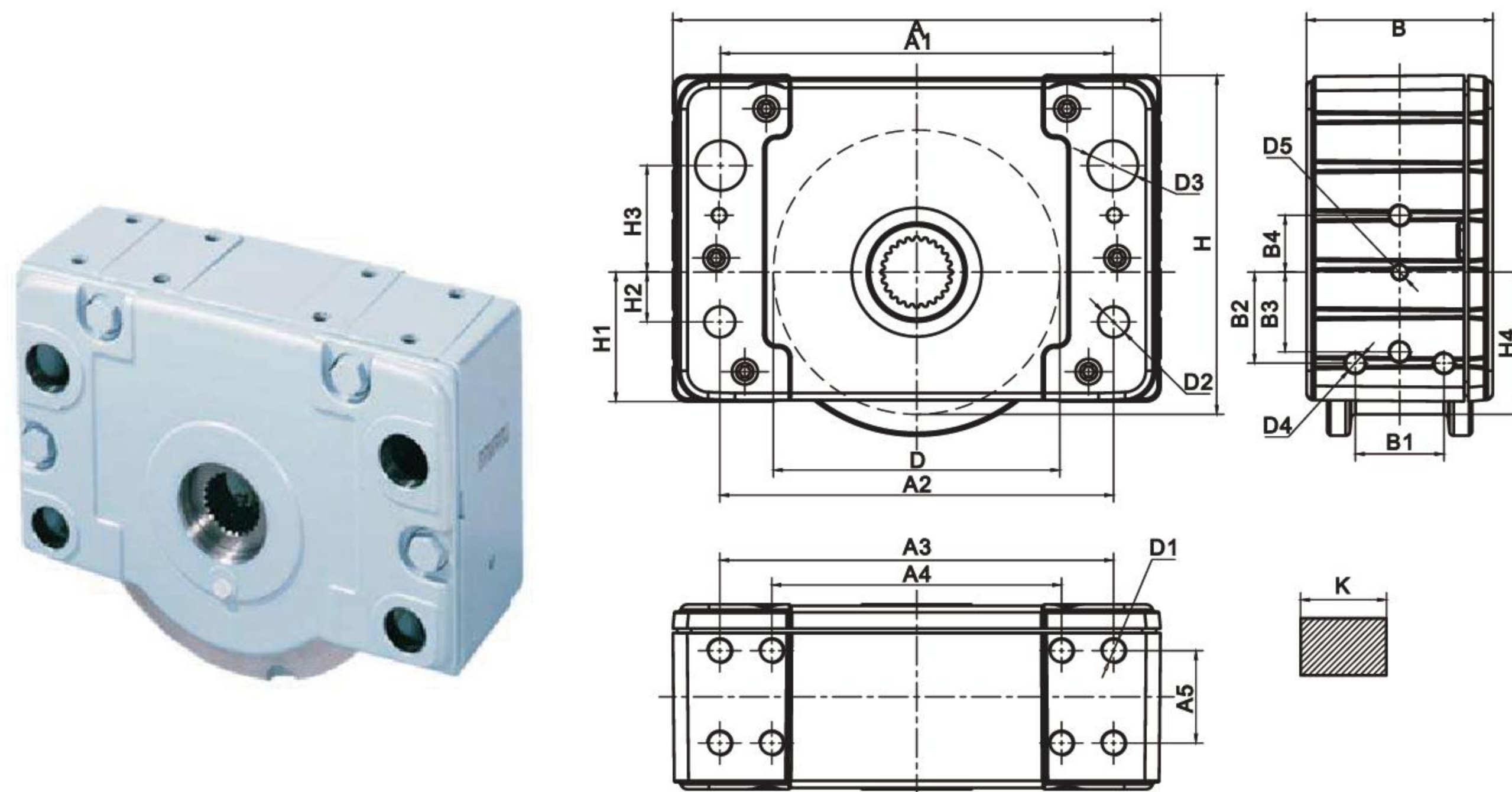
Φ500-710 Idle Wheel Set

Tips: The wheel is made of 40Cr material, the tread surface and the inner side of the wheel flange are heat treated with a hardness of (330~380) HBW, and the depth of the hardened layer at 260HBW is ≥5; :mm.

Drawing No.	Product Name	ΦD	ΦD0	ΦD1	ΦD2	ΦD3	Φd	W	A	B	a°	n	l1	l2	l3	Bolts
SWA500FSA130	Φ500 Active wheel set	500	540	225	260	295	90	90	270	130	30	5	190	181	/	M16
SWA500FSA140	Φ500 Active wheel set	500	540	225	260	295	90	100	270	140	30	5	190	181	/	M16
SWA500FSA150	Φ500 Active wheel set	500	540	225	260	295	90	105	270	150	30	5	190	181	/	M16
SWA500FSA170	Φ500 Active wheel set	500	540	225	260	295	90	125	270	170	30	5	190	181	/	M16
SWA500FSB130	Φ500 Idle wheel set	500	540	225	260	295	/	90	270	130	30	5	/	181	181	M16
SWA500FSB140	Φ500 Idle wheel set	500	540	225	260	295	/	100	270	140	30	5	/	181	181	M16
SWA500FSB150	Φ500 Idle wheel set	500	540	225	260	295	/	105	270	150	30	5	/	181	181	M16
SWA500FSB170	Φ500 Idle wheel set	500	540	225	260	295	/	125	270	170	30	5	/	181	181	M16
SWA630FSA130	Φ630 Active wheel set	630	680	270	305	340	110	85	274	130	30	5	200	183	/	M16
SWA630FSA140	Φ630 Active wheel set	630	680	270	305	340	110	95	274	140	30	5	200	183	/	M16
SWA630FSA150	Φ630 Active wheel set	630	680	270	305	340	110	105	274	150	30	5	200	183	/	M16
SWA630FSA180	Φ630 Active wheel set	630	680	270	305	340	110	130	274	180	30	5	200	183	/	M16
SWA630FSB130	Φ630 Idle wheel set	630	680	270	305	340	/	85	274	130	30	5	/	183	183	M16
SWA630FSB140	Φ630 Idle wheel set	630	680	270	305	340	/	95	274	140	30	5	/	183	183	M16
SWA630FSB150	Φ630 Idle wheel set	630	680	270	305	340	/	105	274	150	30	5	/	183	183	M16
SWA630FSB180	Φ630 Idle wheel set	630	680	270	305	340	/	130	274	180	30	5	/	183	183	M16
SWA710FSA130	Φ710 Active wheel set	710	760	315	360	405	130	85	328	130	30	5	235	217	/	M20
SWA710FSA140	Φ710 Active wheel set	710	760	315	360	405	130	95	328	140	30	5	235	217	/	M20
SWA710FSA150	Φ710 Active wheel set	710	760	315	360	405	130	105	328	150	30	5	235	217	/	M20
SWA710FSA180	Φ710 Active wheel set	710	760	315	360	405	130	130	328	180	30	5	235	217	/	M20
SWA710FSB130	Φ710 Idle wheel set	710	760	315	360	405	/	85	328	130	30	5	/	217	217	M20
SWA710FSB140	Φ710 Idle wheel set	710	760	315	360	405	/	95	328	140	30	5	/	217	217	M20
SWA710FSB150	Φ710 Idle wheel set	710	760	315	360	405	/	105	328	150	30	5	/	217	217	M20
SWA710FSB180	Φ710 Idle wheel set	710	760	315	360	405	/	130	328	180	30	5	/	217	217	M20

DRS WHEEL BLOCKS

DRS wheel blocks are multi-purpose, compact wheel box. It is simple and flexible to use, with excellent performance; wide load range, wheel load from 2.75 tons to 40 tons, can be replaced as a whole from old equipment and easy to match. Mainly used in stackers, shield machines, equipment supporting, metallurgical trolleys and other industries, to provide our technical solutions and high-quality products for various handling sites.

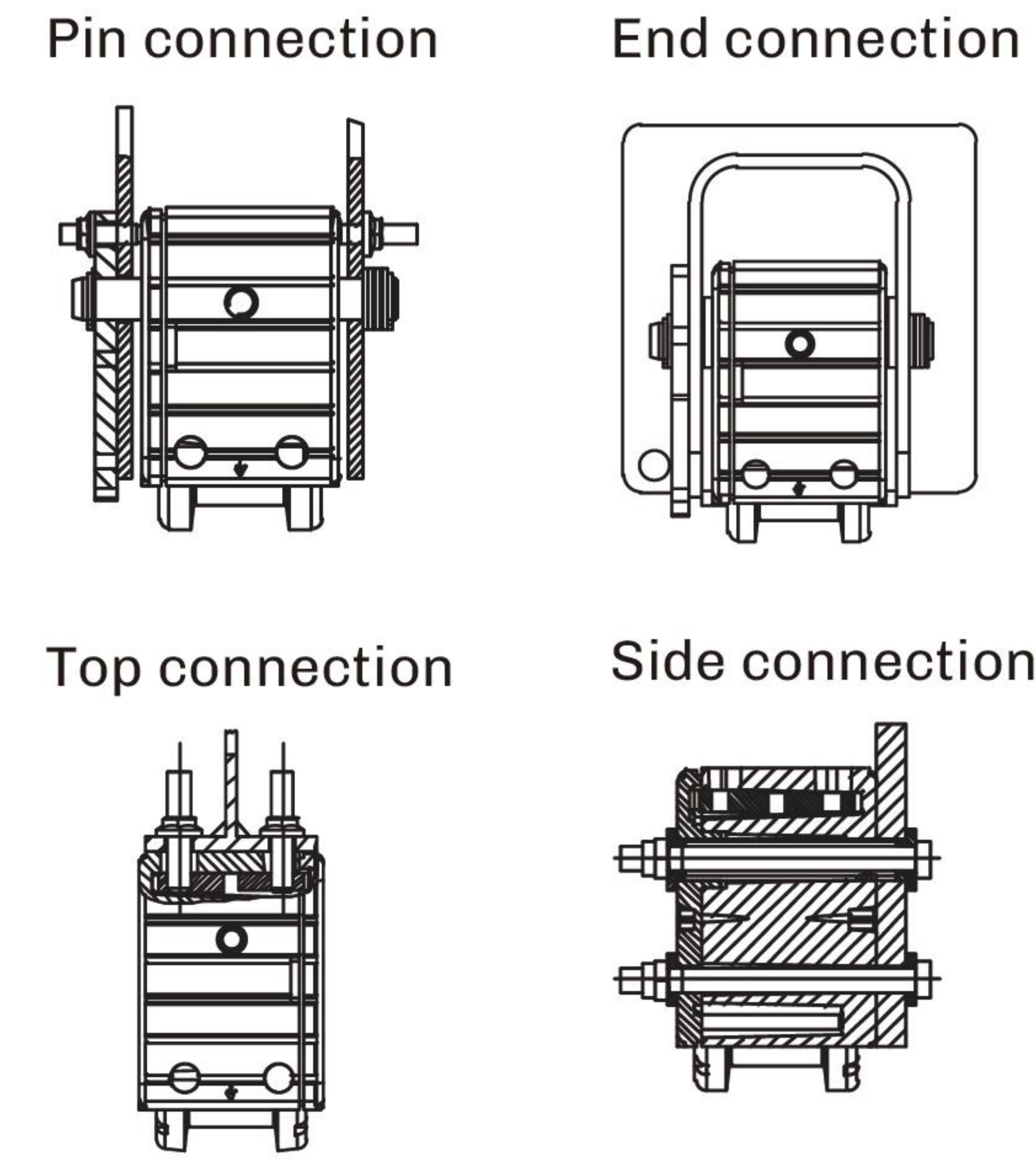


Technical Parameters

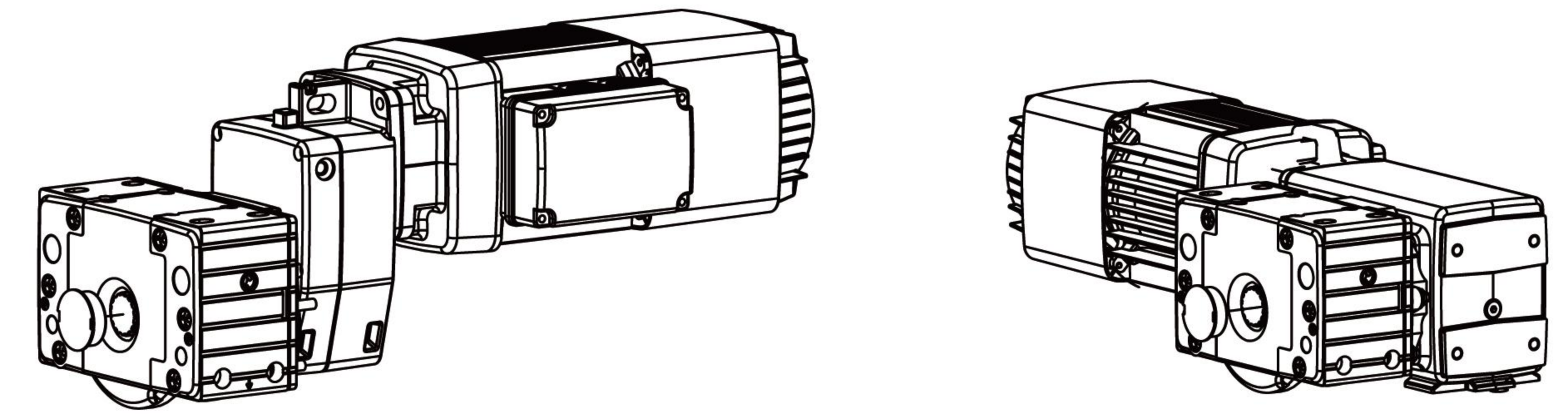
Type D	A mm	B mm	H mm	K mm	H1 mm	H2 mm	H3 mm	H4 mm	B1 mm	B2 mm	B3 mm	B4 mm
DRS112	190	96	131	55	47	30	40	80	40	30	-	24
DRS125	220	98	147.5	55	53.5	20	40	100	50	37	-	37.5
DRS160	275	110	187	60	70	25	55	100	54	47.5	-	20
DRS200	340	130	238	60	90	35	75	100	62	64	56	40
DRS250	385	150	281	75	89	50	80	100	-	-	-	-
DRS315	470	180	349.5	90	114	70	80	100	-	-	-	30
DRS400	580	210	440	-	144	95	130	100	-	-	-	30
DRS500	700	240	566	-	183	110	160	100	-	-	-	30

Type D	A1 mm	A2 mm	A3 mm	A4 mm	A5 mm	D1	D2 mm	D3 mm	D4	D5	Weight kG	Max.Load kN
DRS112	145	145	145	-	45	4xM12	10.5	18.5	4xM12	2xM12	10	27.5
DRS125	175	175	170	-	55	4xM12	13	21	4xM12	2xM12	15	50
DRS160	220	220	220	-	55	4xM16	17	30	4xM16	2xM12	26	70
DRS200	275	275	275	-	65	4xM16	20	35	8xM16	2xM12	41	100
DRS250	310	310	290	140	80	8xM16	34F8	40	2xM12	-	70	160
DRS315	370	370	360	180	100	8xM16	40F8	50	2xM12	2xM20	130	220
DRS400	450	450	440	210	120	8xM20	31H13	65	2xM12	2xM20	220	300
DRS500	580	580	620	480	125	8xM20	31H13	70	2xM12	2xM20	380	400

Installation type



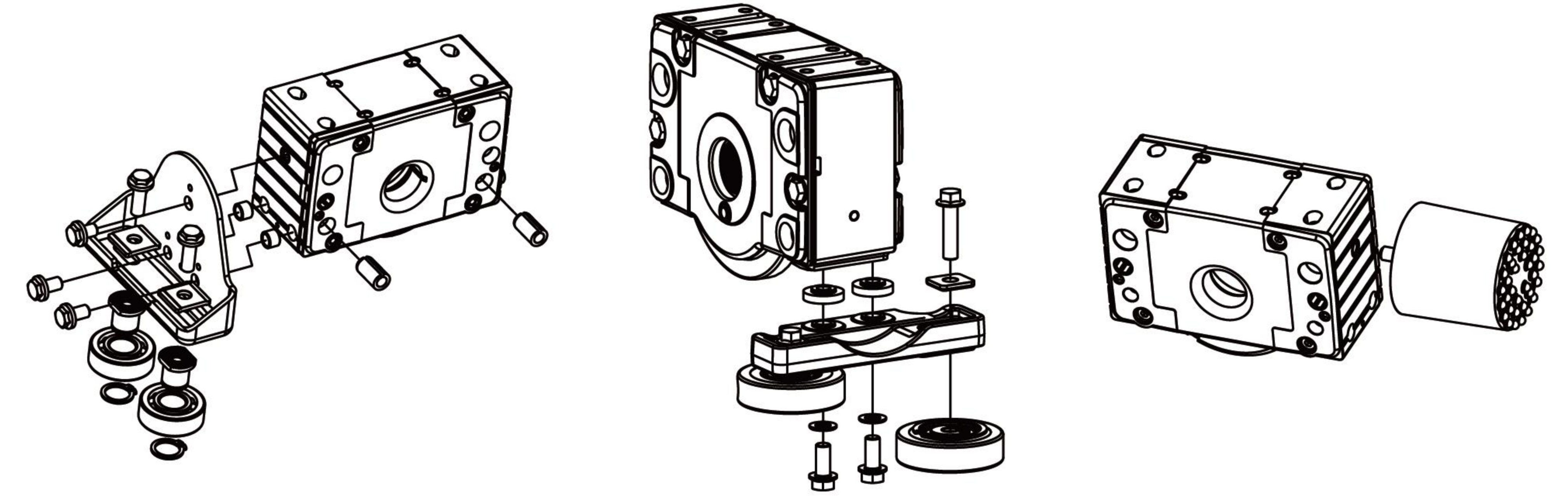
Motor installation



Offset geared drive

Angular geared drive

Accessories



DRS112-200
Horizontal guide rollers

DRS250-500
Horizontal guide rollers

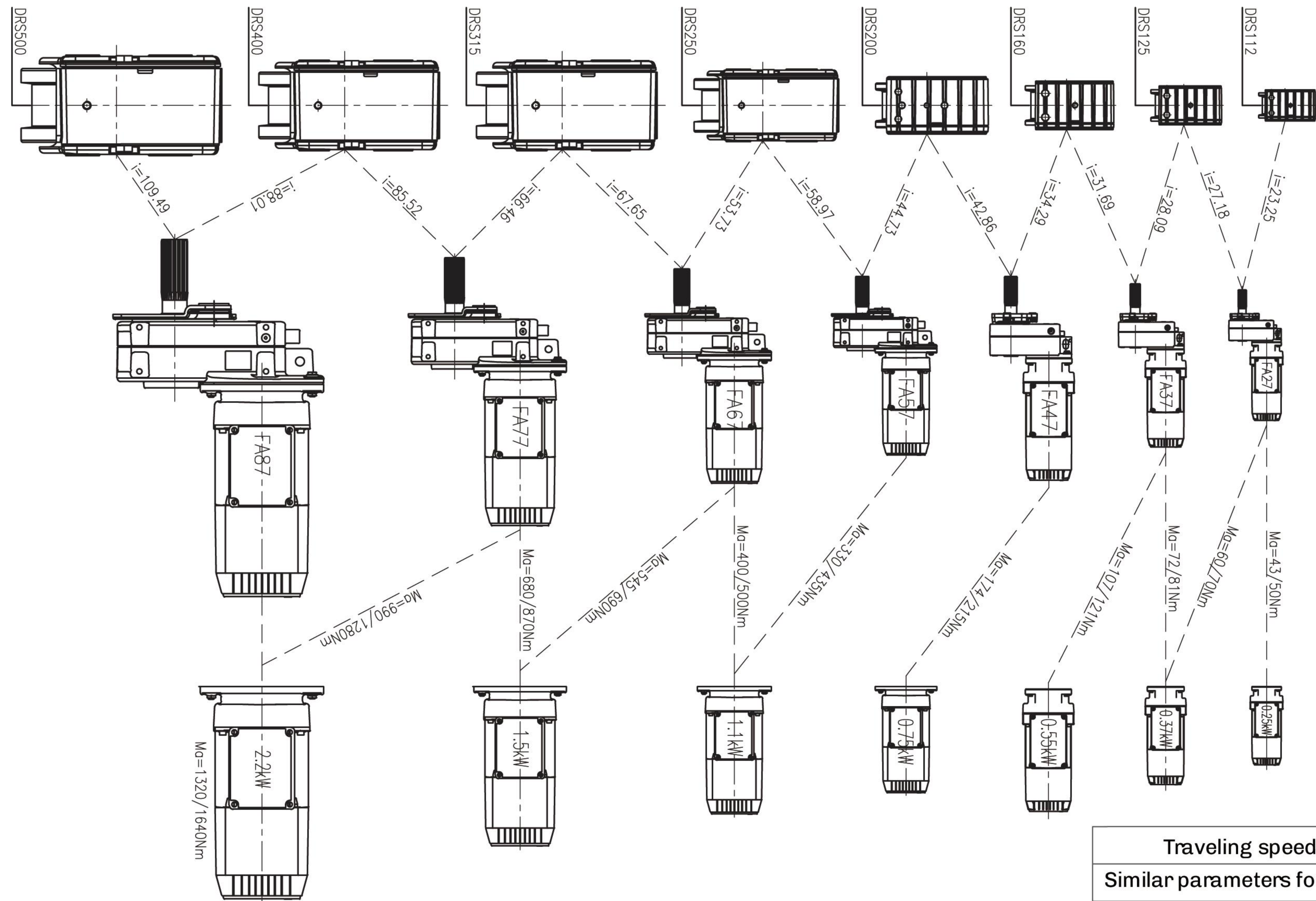
Buffer

Application case

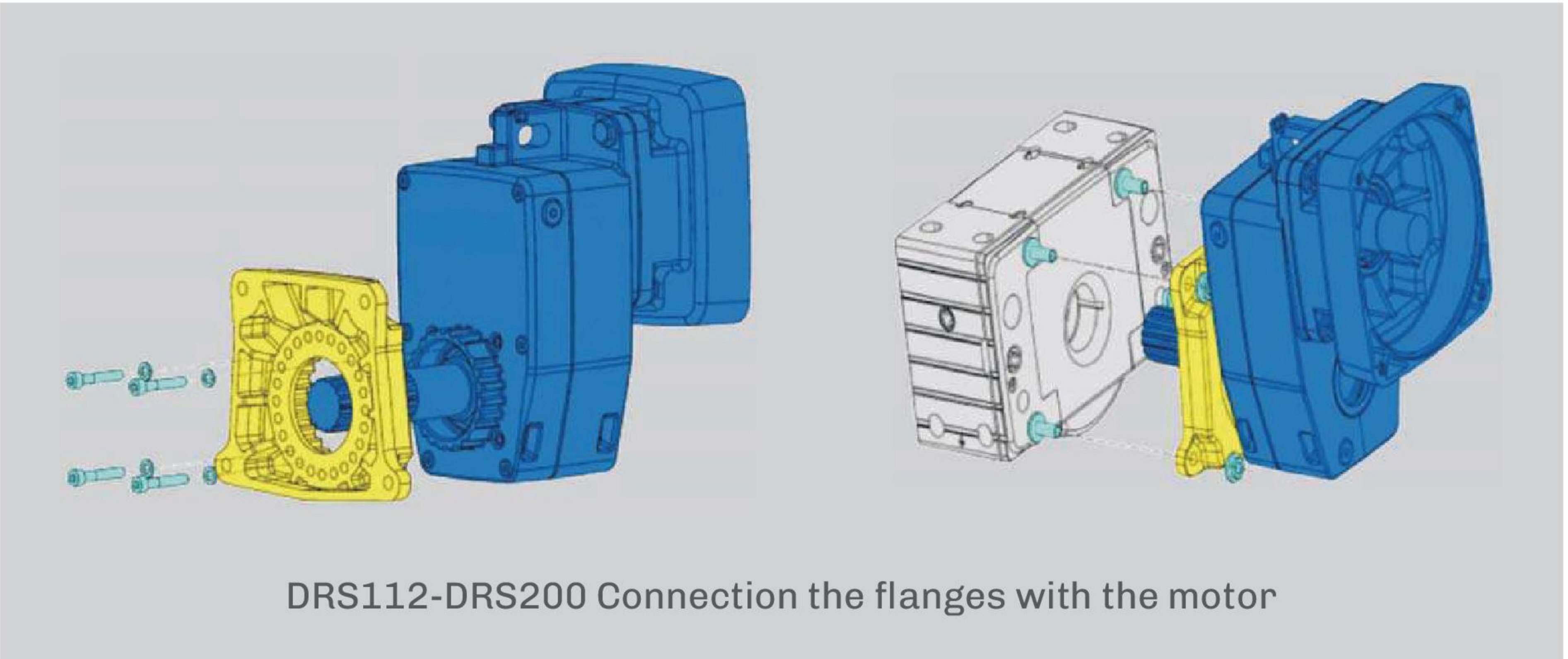


DRS WHEEL BLOCKS

DRS wheel box DRS FA



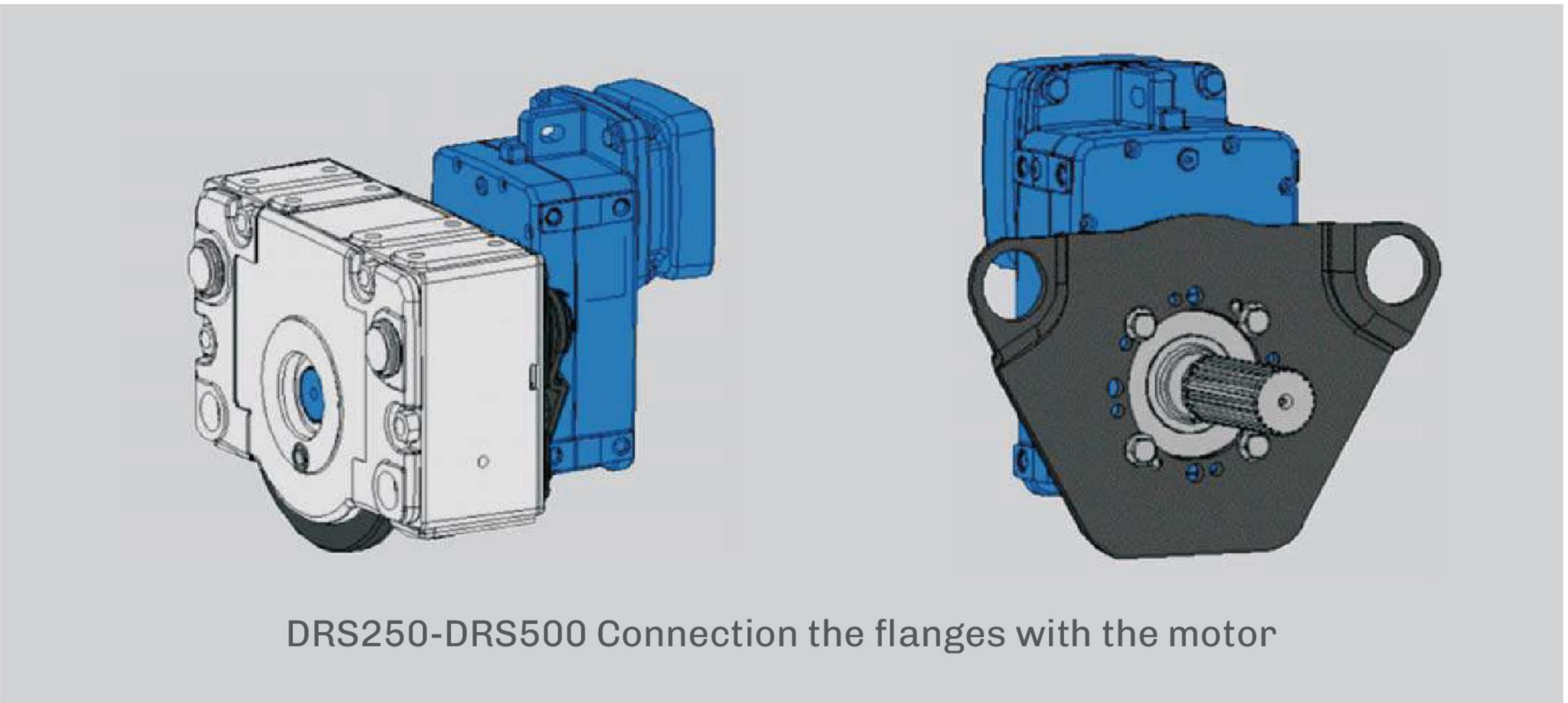
Accessories for DRS wheel blocks



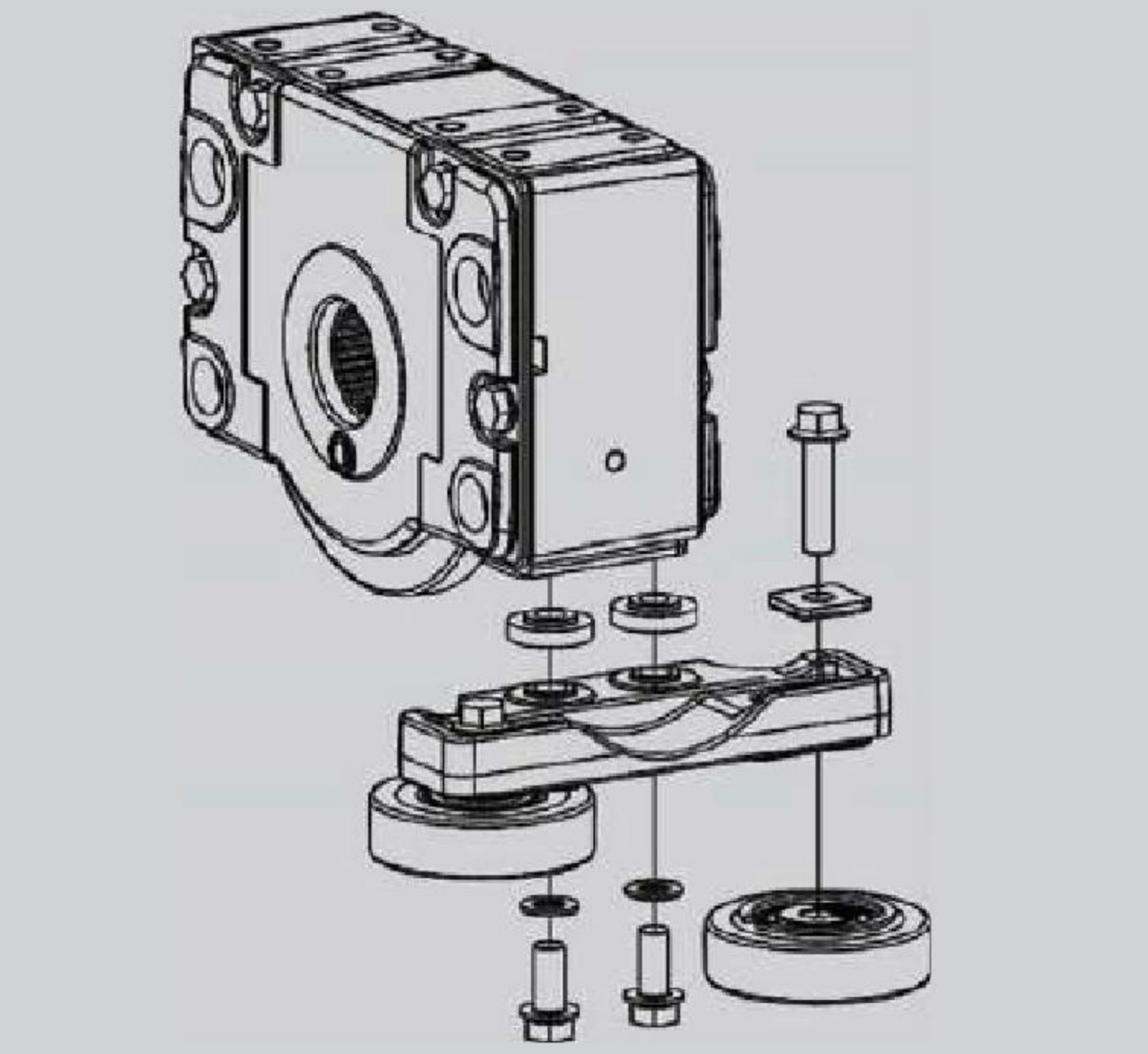
DRS112-DRS200 Connection the flanges with the motor



DRS112-DRS200 Use the guide wheel



DRS250-DRS500 Connection the flanges with the motor



DRS250-DRS500 Use the guide wheel

CUSTOMIZED OTHER WHEELS

We can customize the wheels and wheel assembly according to your drawing, if you can't find suitable model from our catalog, welcome to contact us and discuss the design based on your requirement.

