



REDUCTION GEARBOXES

1. HELICAL HORIZONTAL

1.1 HELICAL SINGLE-STAGE HORIZONTAL

CON-TYPE HELICAL SINGLE-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
CON-200*	200	2; 2,5; 3,15; 4; 5; 6,3	11-13, 21-23, 31-33	cyl.	cyl.	180
CON-250*	250					270

Manufacturing period – 45 days

HELICAL SINGLE-STAGE HORIZONTAL (including special gearboxes)

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES (DRAW. NO.)
				INPUT	OUTPUT		
COM-30	300	2; 2,24; 2,5; 2,8; 3,15; 3,55; 4; 4,5; 5; 5,6; 6,3; 7,1; 8	11-13, 21-23, 31-33	cyl.	cyl.	390	-
CO-75 with cooler	750	5,17	33	cyl.	cyl.	3720	-
CO-400	400	5,187; 8	11, 12, 21, 22	cyl.	cyl.	930	-
Gearbox	355	2,02	12, 21	cyl.	cyl.	1070	562120710-01, 562120710
Gearbox	600	0,77	12	cyl.	cyl.	3200	562120711

Manufacturing period – 60 days

1.2 HELICAL TWO-STAGE HORIZONTAL

C2-TYPE HELICAL TWO-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
C2-250	250	8; 10; 12,5; 16; 20; 25; 31,5; 40; 50	11-15, 21-25, 31-35	cone	cone, cyl., gear-type	110
C2-350	350					260
C2-400	400					370
C2-500	500					570
C2-650	650					1110
C2-750	750					1610
C2-1250	2050	27,13; 22,57; 28,6; 36,02; 41,47; 50,62	31, 32	cyl.	cyl.	23900

Manufacturing period – 80 days

CD2-TYPE HELICAL TWO-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES (DRAW. NO.)
				INPUT	OUTPUT		
CD2-75M	750	9; 10; 11,2; 12,5; 14; 16; 18; 20; 22,4; 25; 28; 31,5; 35,5; 40; 45; 50; 56; 63	11-13, 21-23, 31-33	cyl.	cyl.	1030	-
CD2-85B	850					1510	-
CD2-100	1000					2330	-
CD2-100B	1000					2150	-
CD2-100M	1000					2150	-
CD2-115	1150					2940	-
CD2-115B	1150					2780	-
CD2-115M1	1150					2930	-
CD2-650	650	9; 12,5	12, 21	cyl.	cyl.	900	-
CD2-1700	1700	30,15	12, 31, 32	cyl.	cyl.	9120	562120498

Manufacturing period – 80 days

CDN-TYPE HELICAL TWO-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES
				INPUT	OUTPUT		
CDN-35*	350	8; 10; 12,5; 16; 20; 25; 31,5; 40; 50	11-13, 21-23, 31-33	cyl.	cyl.	180	-
CDN-130A*	1300	63	34,35	cyl.	cyl.	4800	-
CDN-130B*	1300	9; 10; 11,2; 12,5; 14; 16; 18; 20; 22,4; 25; 28; 31,5; 35,5; 40; 45; 50; 56; 63	11-13, 21-23, 31-33	cyl.	cyl.	4800	-
CDN-500*	815	8; 10; 12,5; 16; 20; 25; 31,5; 40; 50	11-15, 21-25, 31-35	cyl.	cyl., gear-type	2020	Ц2H-500 analogue
CDN-630*	1030	8; 9; 10; 11,2; 12,5; 14; 16; 18; 20; 22,4; 25; 28; 31,5; 35,5; 40; 45; 50	11-15, 21-25, 31-35	cyl.	cyl.	3330	-
CDN-710*	1160					4540	-
CDN-1000*	1000	35,5; 50	33	cyl.	cyl.	2490	-

Manufacturing period – 80 days

C2U- AND C2U-...N-TYPE HELICAL TWO-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
C2U-315N*	515	8; 10; 12,5; 16; 20; 25; 31,5; 40; 50	11-15, 21-25, 31-35	cyl., cone	cyl., cone	490
C2U-400N*	650					960
C2U-1250	2050	27,13; 36,02; 41,47; 50,62	31, 32	cyl.	cyl.	21400
C2U-1400	2300	27,33; 31,75; 41,08; 50,46	31, 32	cyl.	cyl.	31240

Manufacturing period – 80 days

RM-TYPE HELICAL TWO-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
RM-350	350	8; 10; 12,5; 16; 20; 22,4; 31,5; 40; 50	11-13, 21-23, 31-33	cone	cyl., gear-type	160
RM-500	500					440
RM-650	650					890
RM-750	750					1100
RM-850	850					1620
RM-1000	1000					2200

Manufacturing period – 90 days

RCD-TYPE HELICAL TWO-STAGE HORIZONTAL

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
RCD-350	350	10; 16; 20; 25; 28; 31,5; 40	11-13, 21-23, 31-33	cone	cyl., gear-type	200
RCD-400*	400					320

Manufacturing period – 100 days

HELICAL TWO-STAGE HORIZONTAL (including special gearboxes)

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES (DRAW. NO.)
				INPUT	OUTPUT		
A 250x400x600	1000	48,57	31	cone	Open gear drive	3520	562120566
A-300x450*	750	21,1	12, 21	cyl.	cyl.	1850	562120561-01, 562120561
A1xA2=450x700	1150	17,775	11, 22	cyl.	cyl.	3620	-
A 450x710*	1160	28	22	cyl.	cyl.	4170	562120502
A 500x800	1300	17,06	22	cyl.	cyl.	7330	-
A 700x1000	1700	15,6	22	cyl.	cyl.	11730	-
GK-850	850	28; 31,5	11	cone	open gear drive	2800	-
GK-1000	1000	8	32	cone	open gear drive	4360	-
GK-1300	1300	12,5; 18; 22,4; 25; 28; 35,5	11, 22	cone	open gear drive	5670	-
GPSH-500	500	8; 10; 12,5; 16; 20; 22,4; 31,5; 40; 50	16, 17, 18, 26, 27, 28	cone	hollow	500	-
RK-600	1000	8; 10; 12,5; 16; 20; 22,4; 31,5; 40; 50	11-13, 21-23, 31-33	cone	cyl., gear-type	2190	-
CD-1700	1700	8; 20; 25; 31,5	12, 21	cyl.	cyl.	10815	-
CD-2000	2000	25,82; 32,11; 39,67; 51	12, 21	cyl.	cyl.	18540	-
CD-2300	2300	31,75; 39,24; 50,46	12, 21	cyl.	cyl.	30950	-
CD4-130	1300	9; 10; 11,2; 12,5; 14; 16; 18; 20; 22,4; 25; 28; 31,5; 35,5; 40; 45; 50; 56; 63	11-13, 21-23, 31-33	cyl.	cyl.	4960	-
Gearbox (A CD4-130 type)	1300	50; 60,72	34, 35	cyl.	cyl.	4880	for wagon tippler drive
Gearbox	850	30,64	12	cyl.	cyl.	1845	562120752

Manufacturing period – 100 days

1.3 HELICAL THREE-STAGE HORIZONTAL**CTND-TYPE HELICAL THREE-STAGE HORIZONTAL**

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
CTND-315*	640	63; 80; 100; 125; 160	11,12, 21, 22	cyl.	cyl.	540
CTND-400*	810					920
CTND-500*	1015					1410

Manufacturing period – 100 days

HELICAL THREE-STAGE HORIZONTAL (including special gearboxes)

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES (DRAW. NO.)
				INPUT	OUTPUT		
CTN-6*	650	50; 63; 80; 100; 125; 160	11,12, 21,22	cyl.	cyl.	630	-
CT2-65	650	223,27	11-13, 21-23, 31-33	cyl.	cyl.	610	-
CT2-800	800	87	12, 21	cyl.	cyl.	1125	-
RCT-2150	2150	40; 50; 56; 71	12, 21	cyl.	cyl.	13120	-
Gearbox	1450	209,7	31	cyl.	cyl.	4200	592131008
Gearbox	1475	56	31	cone	gear-type	4300	592131012

Manufacturing period – 100 days

C3N-TYPE HELICAL THREE-STAGE HORIZONTAL**(input shaft located vertically below first intermediate shaft)**

MODEL	AXLE SPACING, MM		REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
	AI	AC + AO			INPUT	OUTPUT	
C3N-450*	200	730	31,5; 40; 50; 63; 80; 100; 125; 160; 200	11-15, 21-25, 31-35	cone, cyl.	cone, cyl., gear-type	1670
C3N-630*	250	1030	40; 50; 63; 80; 100; 125; 160; 200				3260

Manufacturing period – 100 days

HELICAL THREE-STAGE HORIZONTAL**(input shaft located vertically below first intermediate shaft)**

MODEL	AXLE SPACING, MM		REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
	AI	AC + AO			INPUT	OUTPUT	
CT2-1650	350	1300	140; 151; 263; 225; 121; 106	11, 33, 12, 21	cyl.	cyl.	5690

Manufacturing period – 100 days

2. HELICAL VERTICAL**2.1 HELICAL SINGLE-STAGE VERTICAL**

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
A-150	150	6,61	-	cyl.	hollow	210
V-315	315	4,43	12, 21	cone	cyl.	366

Manufacturing period – 100 days

2.2 HELICAL TWO-STAGE VERTICAL

MODEL	AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES (DRAW. NO.)
				INPUT	OUTPUT		
Gearbox	360	12,46	23	Ц	open gear drive	227	562120708

Manufacturing period – 100 days

2.3 HELICAL THREE-STAGE VERTICAL

VK- AND VKU-TYPE HELICAL THREE-STAGE VERTICAL

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
VK-475	475	19,68; 29,06; 52,92; 109,61 (nominal.112)	13, 23, 33, 11	cone	cyl.	240
VKU-500M	500	20; 28; 63	12, 13, 21, 23, 33	cone	cyl.	290
VKU-610	610	14; 25; 40; 80; 112; 125; 140	11-13, 21-23, 33, 16, 26	cone	cyl., hollow	525
VKU-765	765	18; 20; 22,4; 25; 28; 31,5; 35,5; 40; 45; 50; 56; 63; 71; 80; 90; 100; 112; 125; 140	11-13, 21-23, 33, 16, 26	cone	cyl., hollow	843
VKU-950	950	50	33	cone	cyl.	1363
VKU-965M	965	16; 18; 20; 22,4; 25; 28; 31,5; 35,5; 40; 45; 50; 56; 63; 71; 80; 90; 100; 112; 125; 140	12, 13, 21, 23, 33	cone	cyl.	1540

Manufacturing period – 90 days

SPECIAL HELICAL THREE-STAGE VERTICAL

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
RV-500	500	125	18, 27	cyl.	hollow	350
3RV-650	650	112	17, 18, 27, 28	cyl.	hollow	580
4RV-650	650	80; 112; 125; 140	17, 36, 38	cyl.	hollow	580
C3V-400*	850	124,5	-	brake pulley and gear bush	hollow	1140
C3vN-400*	850	183,7	17, 28	elastic coupling	hollow	1040

Manufacturing period – 90 days

2.4 HELICAL VERTICAL COAXIAL

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
AC-320	320	44,48	12, 21	cyl.	cyl.	914
A-320	320	44,46	12, 21	cyl.	cyl.	1028

3. WORM

3.1 WORM SINGLE-STAGE

MODEL	TOTAL AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
RChP-180M	180	40	51, 52	cyl.	cyl.	194
RChP-300	300	49	51, 52, 53	cyl.	cyl.	500
		16	63			504

Manufacturing period – 90 days

4. BEVEL HELICAL

4.1 BEVEL HELICAL TWO-STAGE HORIZONTAL

KC1-TYPE BEVEL HELICAL TWO-STAGE HORIZONTAL

MODEL	OUTPUT STAGE AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
KC1-250	250	6,3; 10; 14; 20; 28	41, 42, 43	cone	cyl., gear-type	390
KC1-300	300					530
KC1-500	500					1950

Manufacturing period – 90 days

SPECIAL BEVEL HELICAL TWO-STAGE HORIZONTAL

MODEL	OUTPUT STAGE AXLE SPACING, MM	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
A-700	700	12,52 (actual 12,57)	42	cyl.	cyl.	5461
A-710	710	14,45 (actual 14,5)				5725

Manufacturing period – 100 days

4.2 BEVEL HELICAL THREE-STAGE HORIZONTAL

KC2-TYPE BEVEL HELICAL THREE-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM AC + AO	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
				INPUT	OUTPUT	
KC2-500	500	28; 45; 71; 112 (actual 118); 180	41, 42, 43	cone	cyl., gear-type	490
KC2-750	750					1310
KC2-1000	1000					2800
KC2-1300	1300					5370

Manufacturing period – 90 days

SPECIAL BEVEL HELICAL THREE-STAGE HORIZONTAL

MODEL	AXLE SPACING, MM AC + AO	REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG	NOTES (DRAW. NO.)
				INPUT	OUTPUT		
A 250x400x600	1000	201,96	41,42	cyl.	cyl.	3500	562120568-01, 562120568
A 250x400x600	1000	205,6	41,42	cyl.	cyl.	3430	562120748, 562120748-01
A 250-400-630*	1030	202,5	41	cyl.	cyl.	3410	562120504
Gearbox	500	182,76	43	cyl.	cyl.	720	562262036

Manufacturing period – 100 days

SPECIAL BEVEL HELICAL THREE-STAGE HORIZONTAL (VERTICAL OUTPUT SHAFT)

MODEL	AXLE SPACING, MM		REDUCTION RATIO	ASSEMBLY TYPE	SHAFT END MODIFICATION		WEIGHT, KG
	AI	AO			INPUT	OUTPUT	
CKC-200-260-500	200	500	145,14	-	cyl.	cone	2320

Note. Gearboxes marked with * have at least one Novikov-Wildhaber helical gear drive.



A 250x400x600 Gearbox



CD-2000 Gearbox



Slag Car Gearbox



C2-1250 Gearbox



ZRV-650-107,6-17 Gearbox



CKC-200 Gearbox



CDN-130A Gearbox



CDN-630 Gearbox