

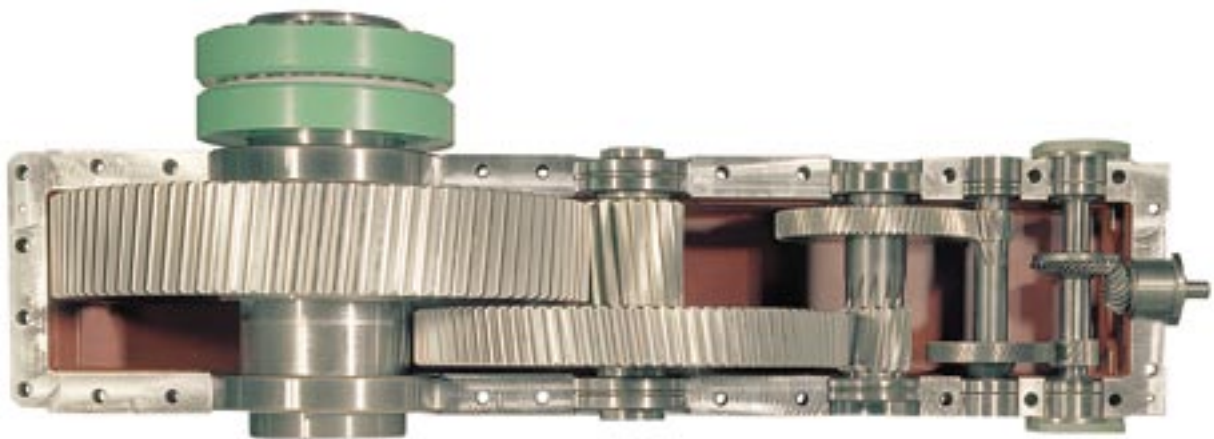


S2000

Heavy-duty units

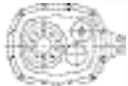
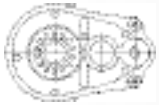
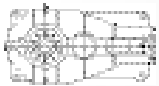
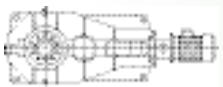
Heavy-duty units

- bevel and cylindrical gear units for strongest application
- wide range of gear ratios
- housing of SG-iron up to 45.000 Nm
- welded steel housing up to 320.000 Nm
- steel housing as variable component

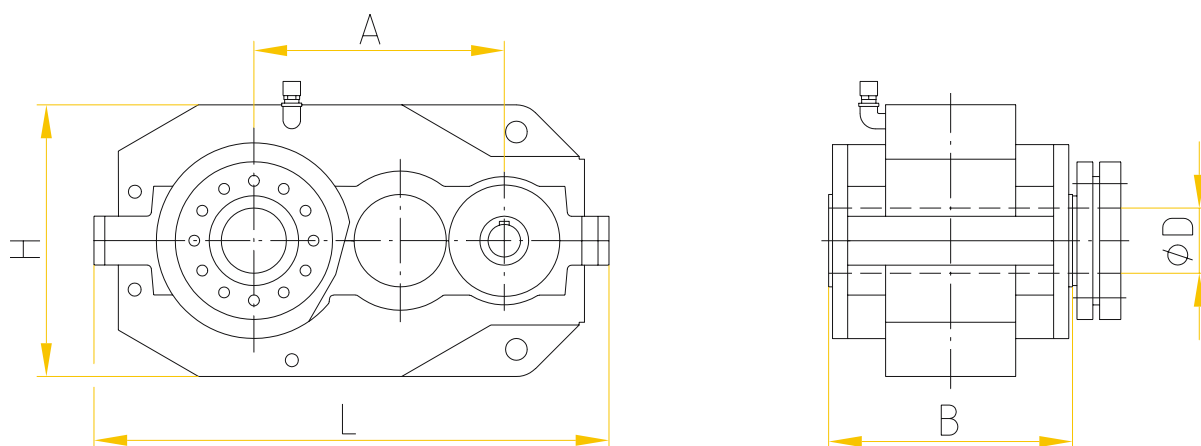


- tempered output gear wheels up to 20 rpm
- hardened output gear wheels up to 75 rpm
- gear wheels case-hardened and ground up to 300 rpm

S2000

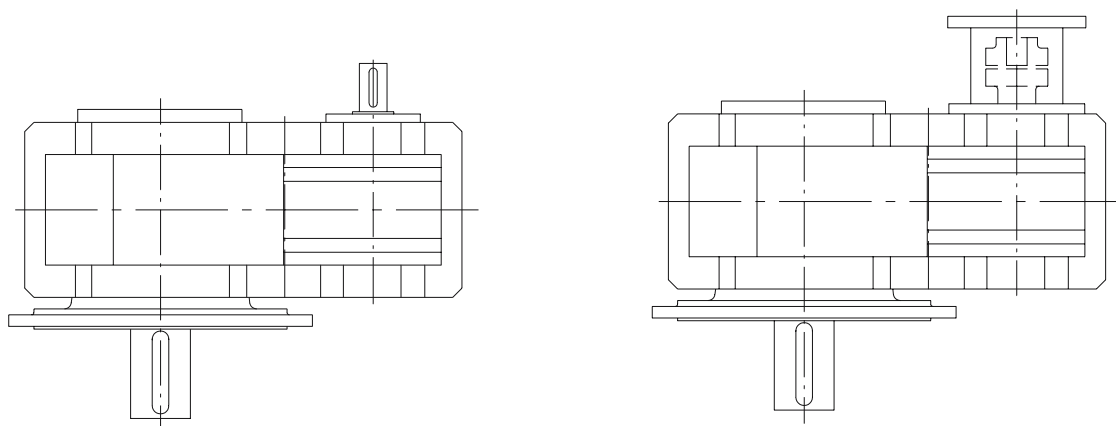
	for output speeds 2-staged, output torque up to	35 - 250 rpm 60.000 Nm	page 4
	for output speeds 3-staged, output torque up to	10-150 rpm 60.000 Nm	page 5
	for output speeds 2-staged, output torque up to	25 - 115 rpm 20.000 Nm	page 6
	for output speeds 2-staged, output torque up to	25 - 75 rpm 45.000 Nm	page 6
	for output speeds 2-staged, output torque up to	15 - 35 rpm 150.000 Nm	page 7
	for output speeds 3-staged, output torque up to	3 - 15 rpm 320.000 Nm	page 8
	for output speeds 4-staged, output torque up to	0,75 - 3 rpm 320.000 Nm	page 9
	for output speeds 5-staged, output torque up to	0,5 - 3 rpm 320.000 Nm	page 10

Heavy-duty units 2-staged, output speeds 35 - 250 rpm

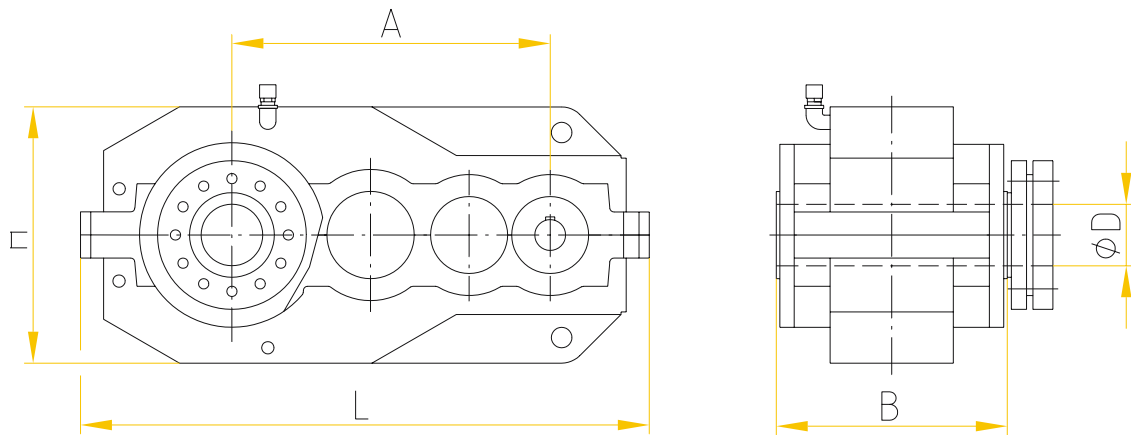


type	A	B	D	H	L	output torque (Nm)
4431	462	450	120	500	950	20.000
4432	550	500	140	590	1135	30.000
4433	607	560	150	640	1230	45.000
4435	675	620	170	710	1385	60.000

flexibility...

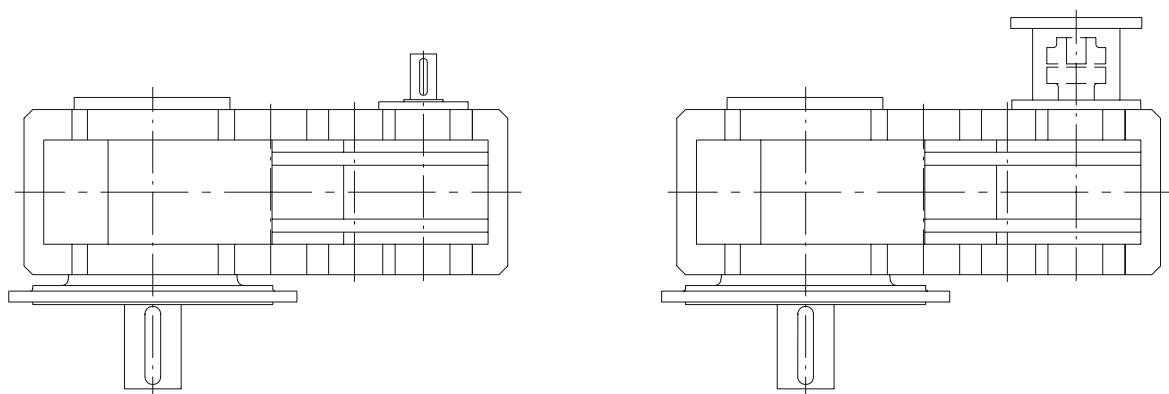


Heavy-duty units 3-staged, output speeds 10 - 150 rpm

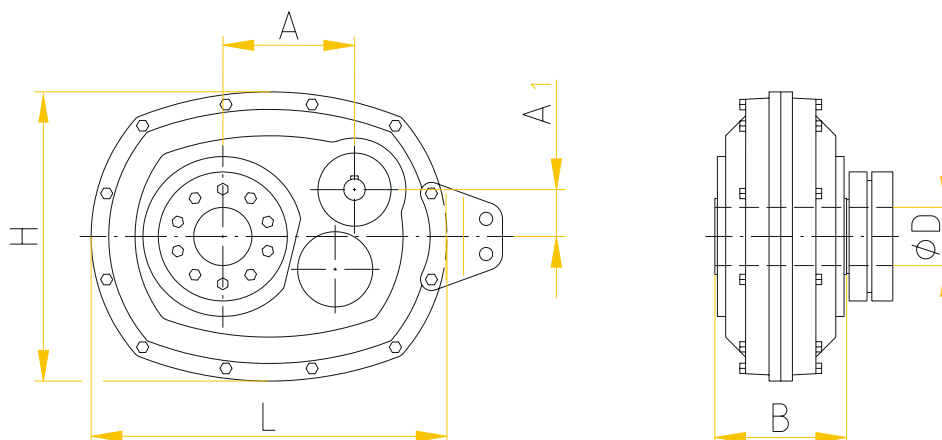


type	A	B	D	H	L	output torque (Nm)
4436	620	450	120	500	1110	20.000
4437	740	500	140	590	1325	30.000
4438	847	560	150	640	1470	45.000
4439	915	620	170	710	1625	60.000

...input and output variations

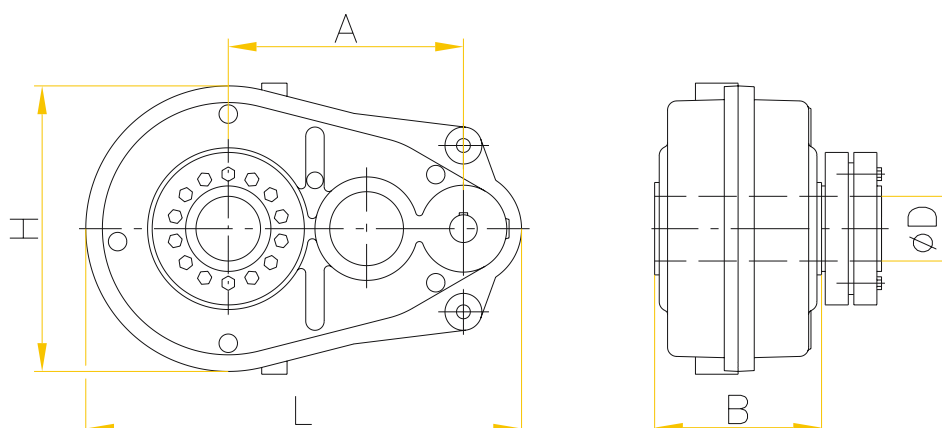


Heavy-duty units 2-staged, output speeds 25 - 115 rpm



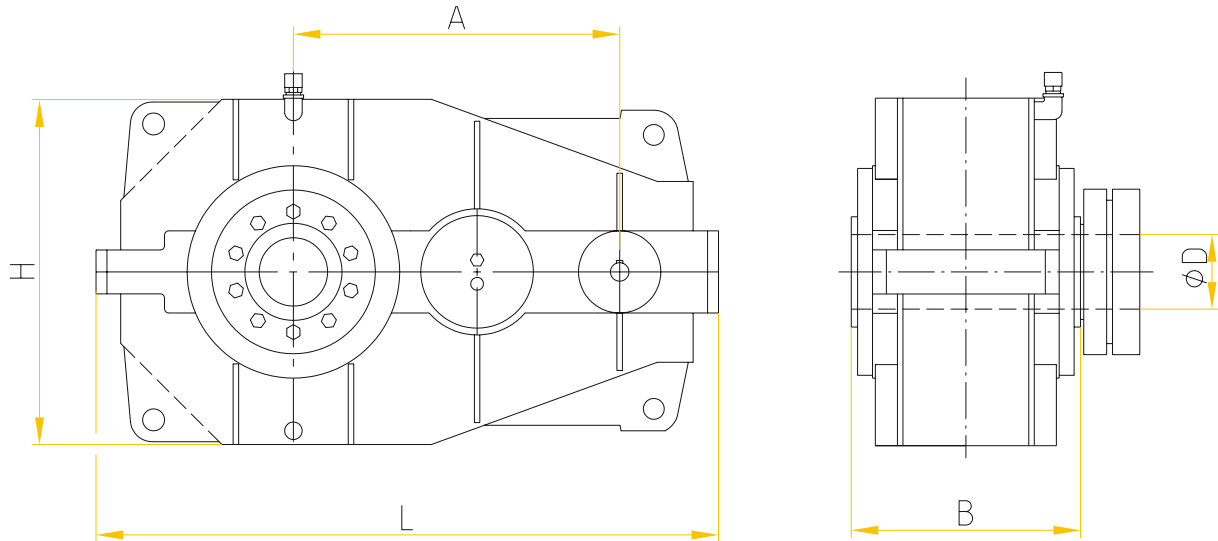
type	A	A ₁	B	D	H	L	output torque (Nm)
5043	180	63	180	75	396	86	3500
5045	200	70	200	80	440	540	5100
5047	225	80	225	90	494	608	7800
5049	250	90	250	100	550	675	11.000
5051	280	100	280	120	618	758	14.000
5053	310	110	310	125/130	682	838	20.000

Heavy-duty units 2-staged, output speeds 25 - 75 rpm



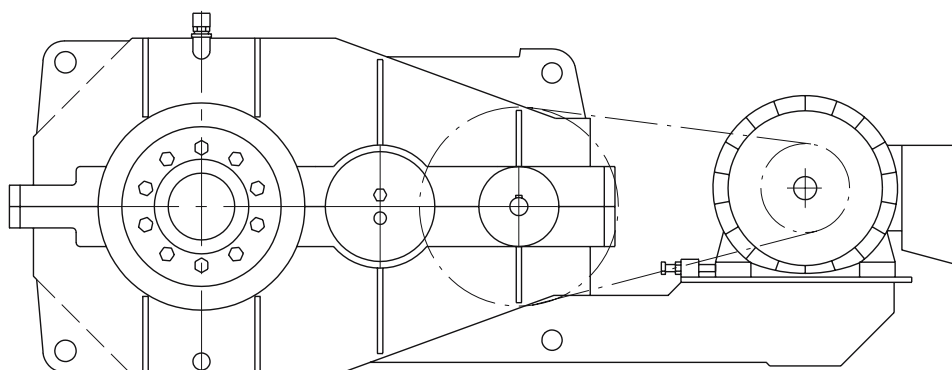
type	A	B	D	H	L	output torque (Nm)
0221	510	362	140	618	945	22.000
0231	560	430	140	710	1.095	45.000

Heavy-duty units 2-staged, output speeds 15 - 35 rpm

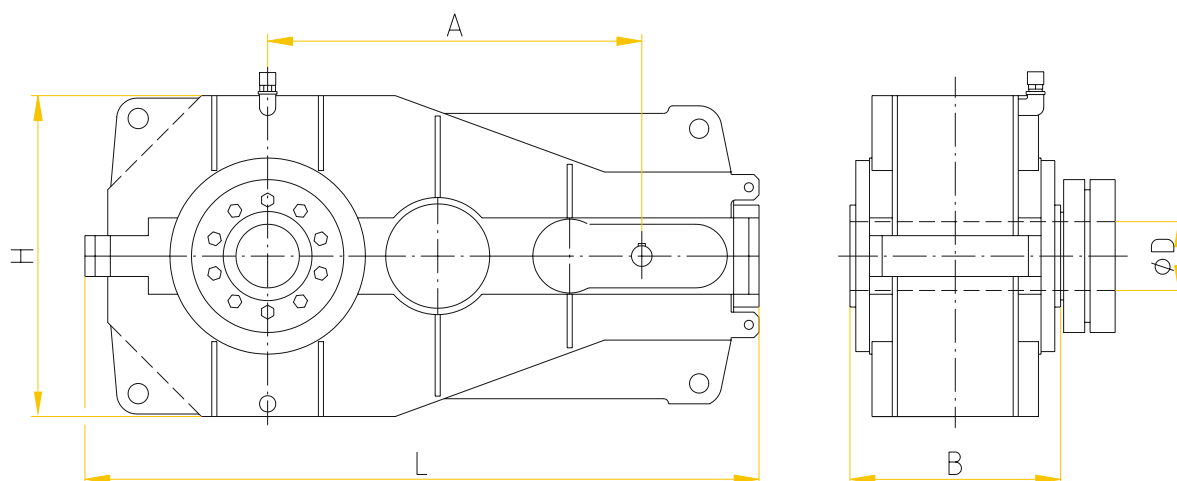


type	A	B	D	H	L	output torque (Nm)
4443	690	460	150	714	1255	38.000
4444	780	460	170	804	1410	50.000
4445	875	500	180	900	1585	80.000
4446	1005	560	220	1020	1820	110.000
4447	1060	630	240	1080	1950	150.000

...design example

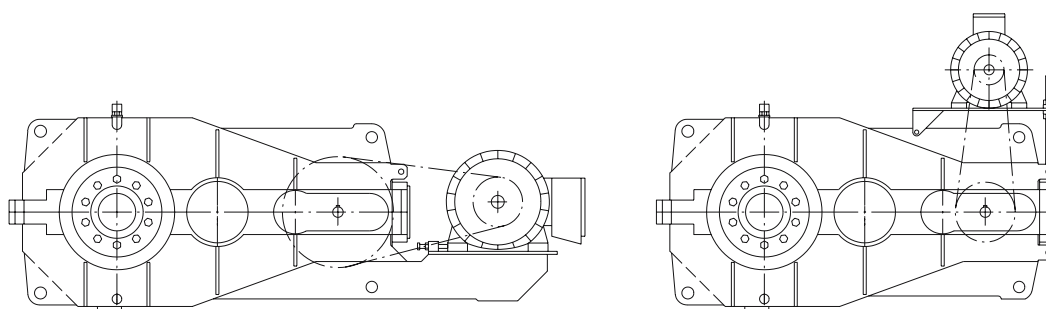


Heavy-duty units 3-staged, output speeds 3 - 15 rpm

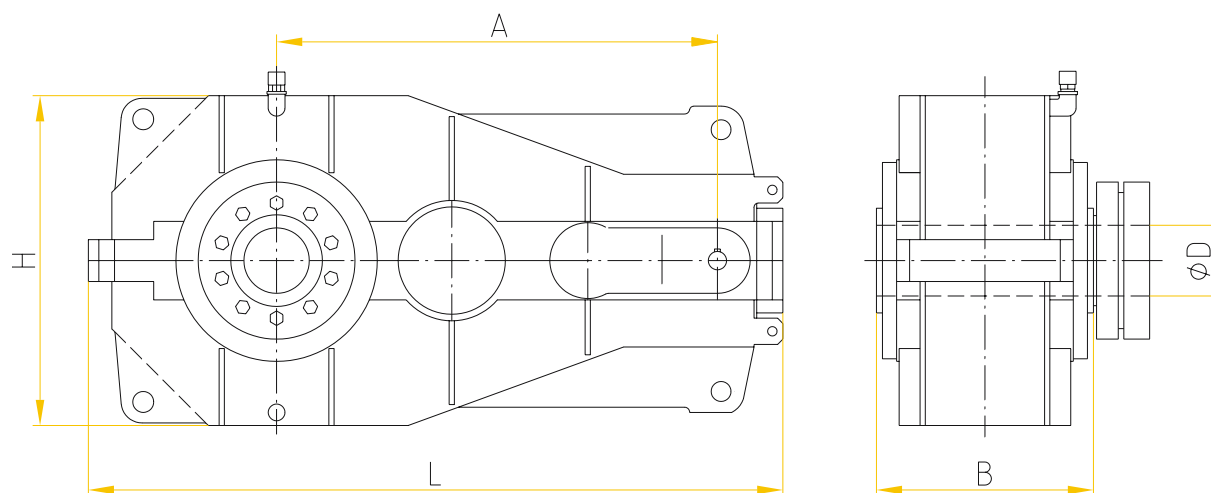


type	A	B	D	H	L	output torque (Nm)
4481	660	400	125	560	1233	29.000
4482	737	400	135	620	1345	32.000
4483	856	460	150	714	1528	45.000
4484	945	460	170	804	1662	60.000
4485	1065	500	180	900	1869	90.000
4486	1220	560	220	1020	2142	130.000
4487	1285	630	240	1080	2232	180.000
4488	1420	700	260	1200	2502	240.000
4489	1620	800	280	1350	2830	320.000

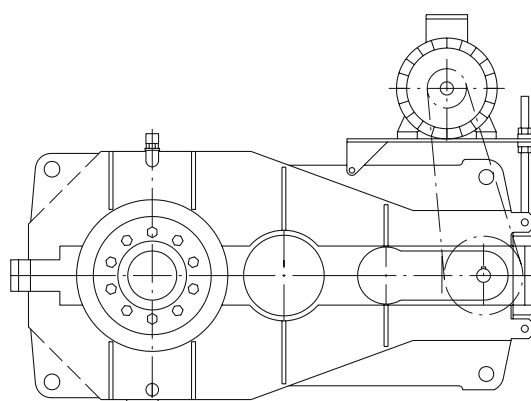
variations...



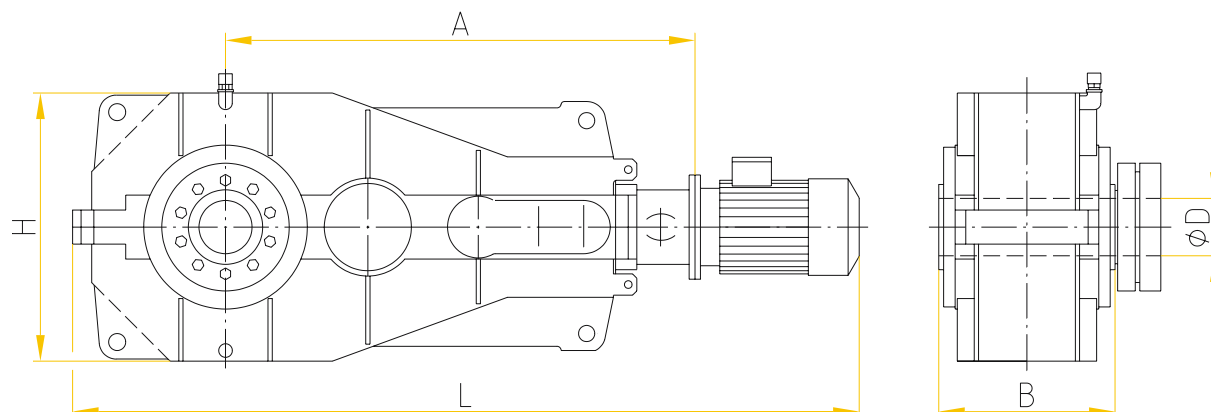
Heavy-duty units 4-staged, output speeds 0,75 - 3 rpm



type	A	B	D	H	L	output torque (Nm)
4421	766	400	125	560	1233	24.000
4422	843	400	135	620	1345	32.000
4423	978	460	150	714	1528	45.000
4424	1067	460	170	804	1662	60.000
4425	1205	500	180	900	1869	90.000
4426	1378	560	220	1020	2142	130.000
4427	1443	630	240	1080	2232	180.000
4428	1610	700	260	1200	2502	240.000
4429	1860	800	280	1350	2830	320.000

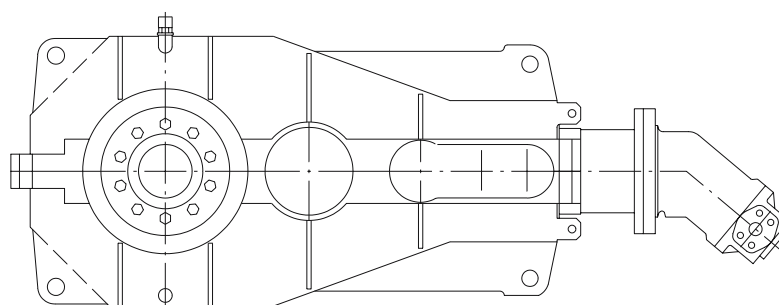


Heavy-duty units 5-staged, output speeds 0,5 - 3 rpm



type	A	B	D	H	L	output torque (Nm)
4411		400	125	560		24.000
4412		400	135	620		32.000
4413		460	150	714		45.000
4414		460	170	804		60.000
4415		500	180	900		90.000
4416		560	220	1020		130.000
4417		630	240	1080		180.000
4418		700	260	1200		240.000
4419		800	280	1350		320.000

design example





...the
...the driving force!



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company:
contact person:
street:
postal code, town:
phone:
fax:

Heavy-duty units S2000

Technical Data for inquiries and orders

type		input speed at gear unit	rpm	output speed	rpm
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conditions of application

driven machine					
working time per day	h	ambient temperature (from/to)	/ °C		

input

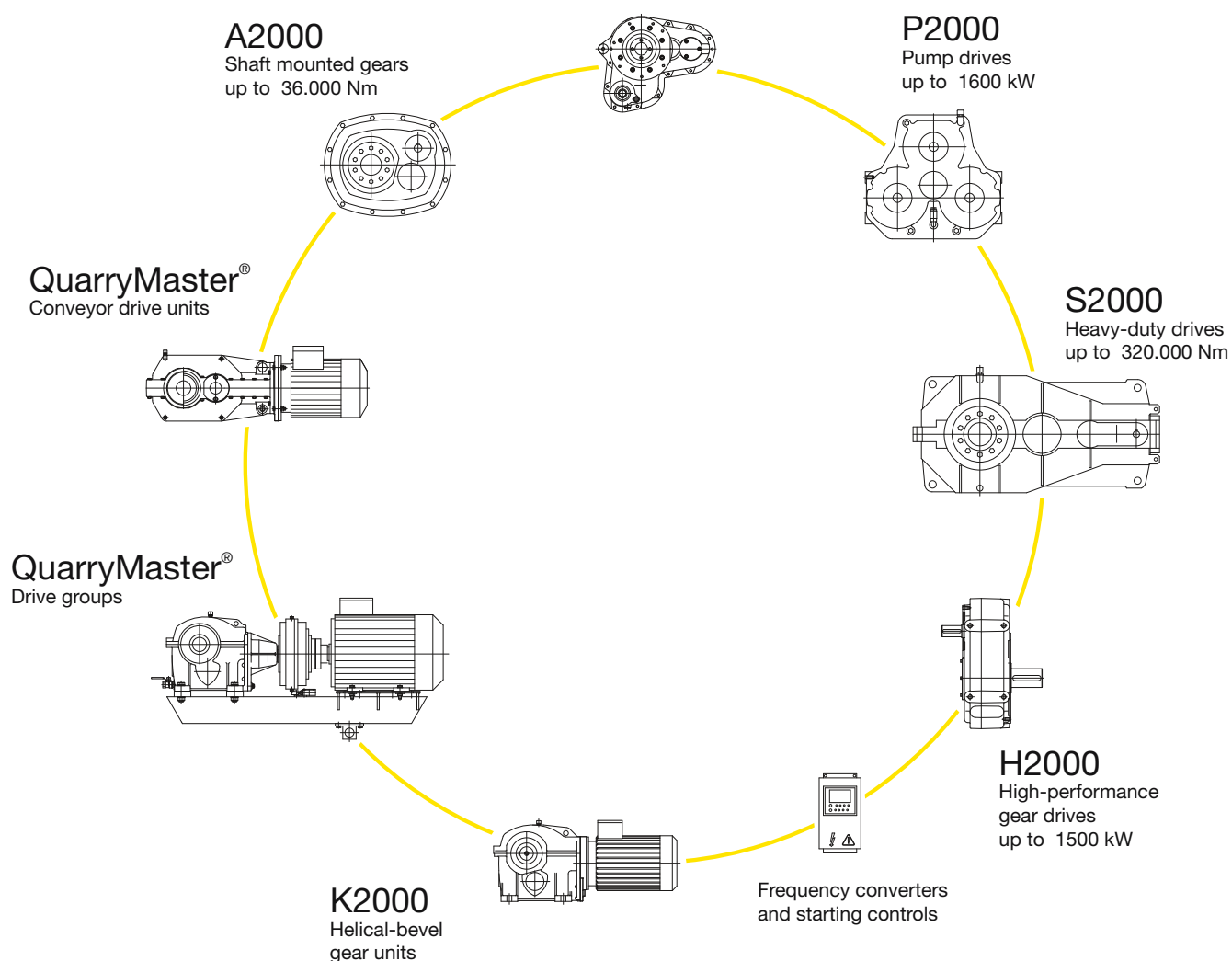
☐ electric motor	☐ hydraulic motor	other			
power	kW	on speed	rpm		
max. torque	Nm	on speed	rpm		
☐ direct drive					
☐ V-belt	engine speed	min ⁻¹			
pitch diameter d _{motor}	mm	d _{gear unit}	mm		
number of machi- ning marks		profile			

output

☐ hollow shaft with shrinking disc	☐ hollow shaft with keyway
☐ output flange and output shaft (only available for types 4431-4439)	

...the products

Special gear units



Notes:



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