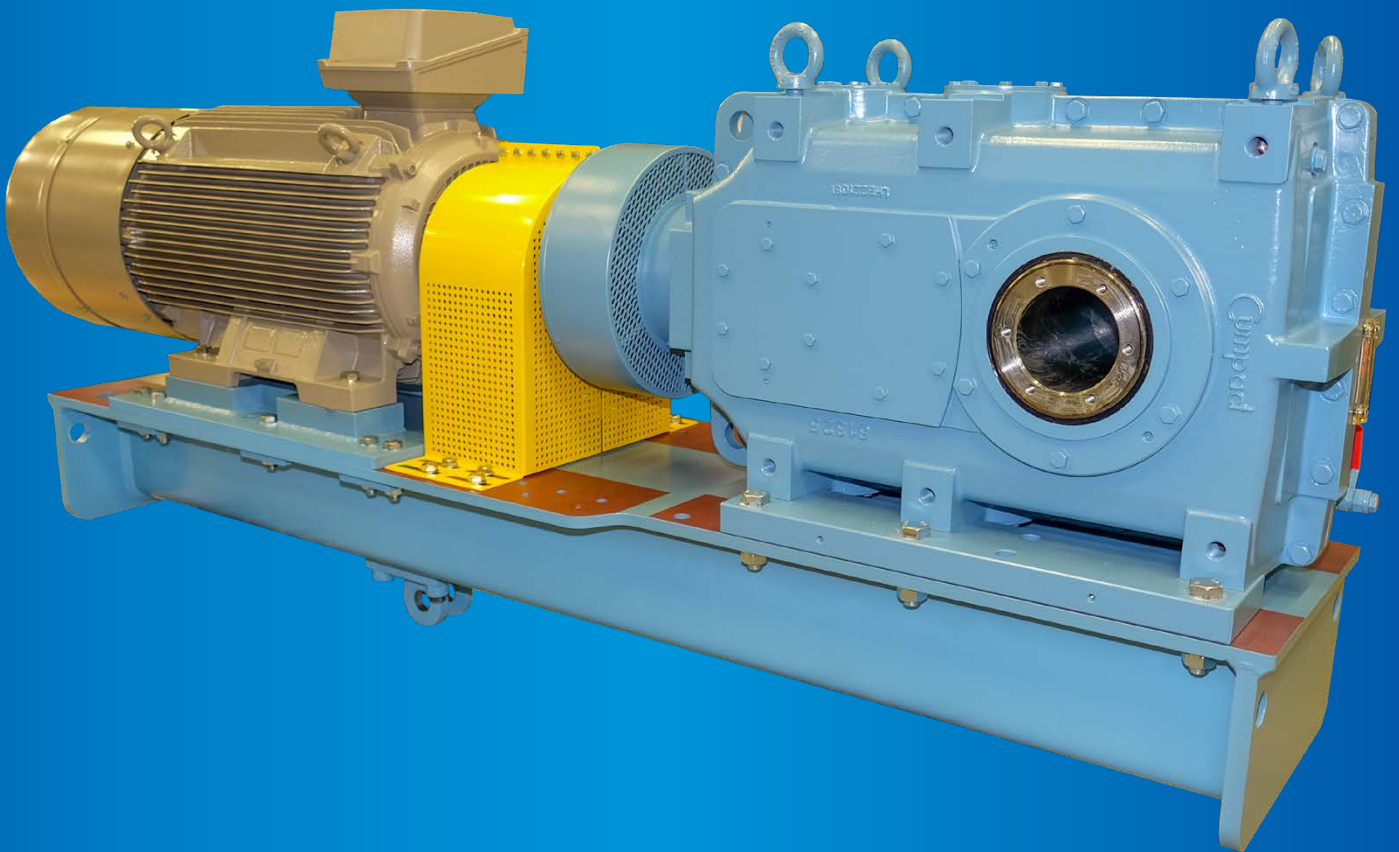




SWING BASE

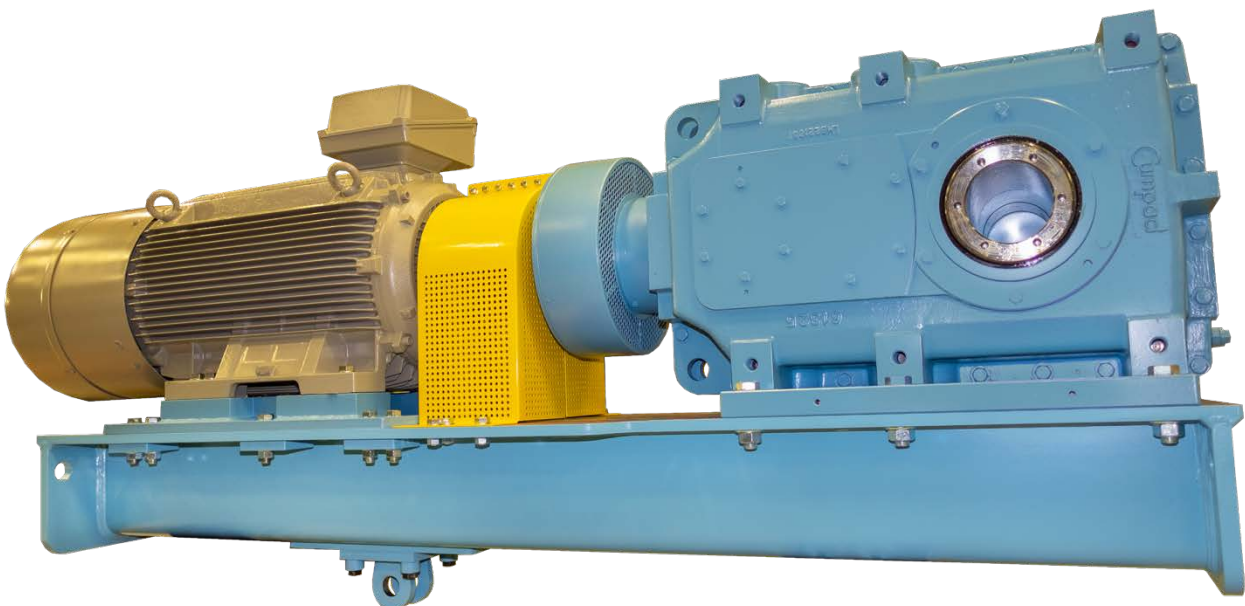
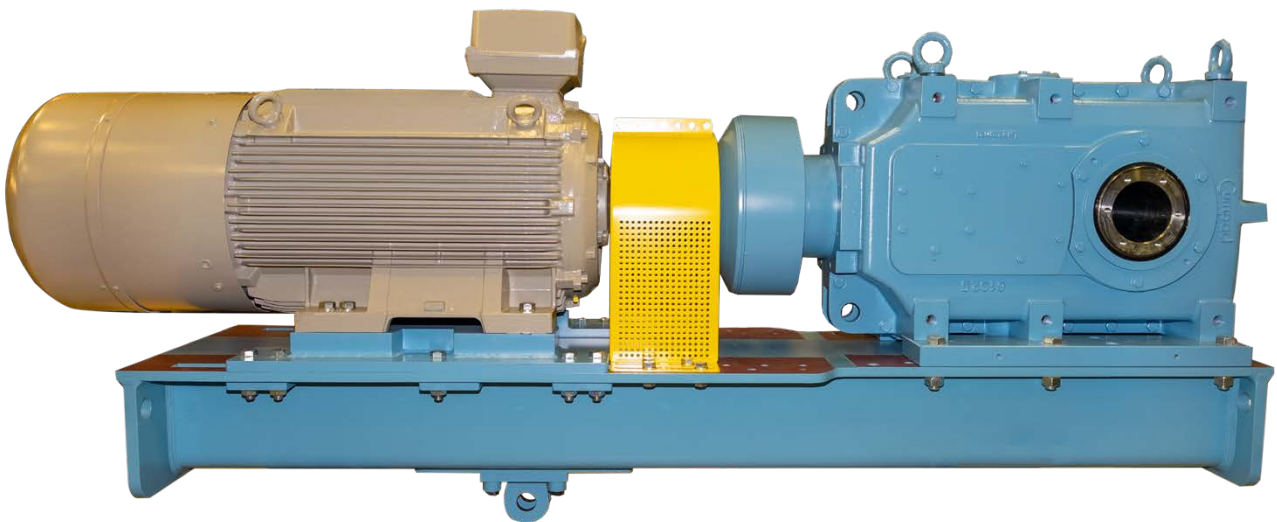
Series G



Kumera

SWING BASE DESCRIPTION

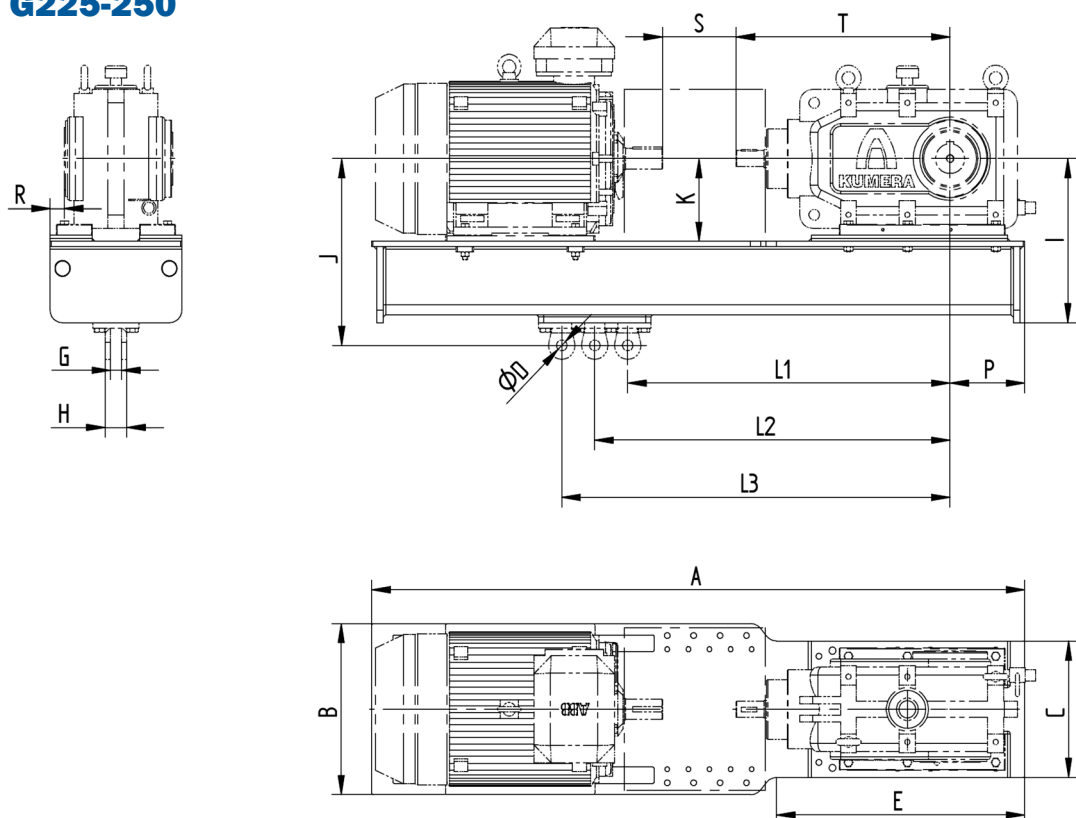
- Swing bases are made from closed hollow profiles with machined fixing areas and surface treated to resist high corrosive environment.
- High strength and torsional rigidity are achieved with comprehensive FE analysis.
- Torque arm length can be adjusted according to the customer requirements.
- Three standard locations of the torque arm allow its appropriate placement, taking into account the rest of the structure.
- Adjustable fixing points of a gearbox and a motor enable several drive unit combinations with one swing base.
- The full pre-assembled drive package with brakes, couplings and covers reduces project engineering work and costs of our customers.



Type marking system

	BASE	-G2225	i1	-FAN	-315ML	-E1
Model						
BASE swing base with equipment						
Gearbox size						
G2225						
G2250						
G2280						
G2315						
G2355						
G2400						
G3225						
G3250						
G3280						
G3315						
G3355						
G3400						
Ratio area						
i1 5,6-11,2(2-stage), 20-56(3-stage)						
i2 12,5-18(2-stage), 63-100(3-stage)						
Equipment						
FAN Shaft end fan						
FLUID Fluid coupling						
BRAKE Drum brake						
OVERL Overload coupling						
Motor size						
280SM						
315SM						
315ML						
315LK						
355SM						
355ML						
355LK						
400SM						
400ML						
400LK						
Code for special construction						

G225-250



Swing base main dimensions

A	B	C	D	E	G	H	Weight*
2475	628	500	ø40	940	42	82	480 kg

Gearbox	I	J	K	L1**	L2**	L3**	P	R	Motor frame
RG-2225	602	685	302	1222	1347	1472	283	55	IEC-280
RG-2250	637	720	337	1206	1331	1456	299	35	
RG-3225	602	685	302	1222	1347	1472	283	55	
RG-3250	637	720	337	1206	1331	1456	299	35	
RG-2225	637	720	337	1222	1347	1472	283	55	IEC-315
RG-2250	637	720	337	1206	1331	1456	299	35	
RG-3225	637	720	337	1222	1347	1472	283	55	
RG-3250	637	720	337	1206	1331	1456	299	35	

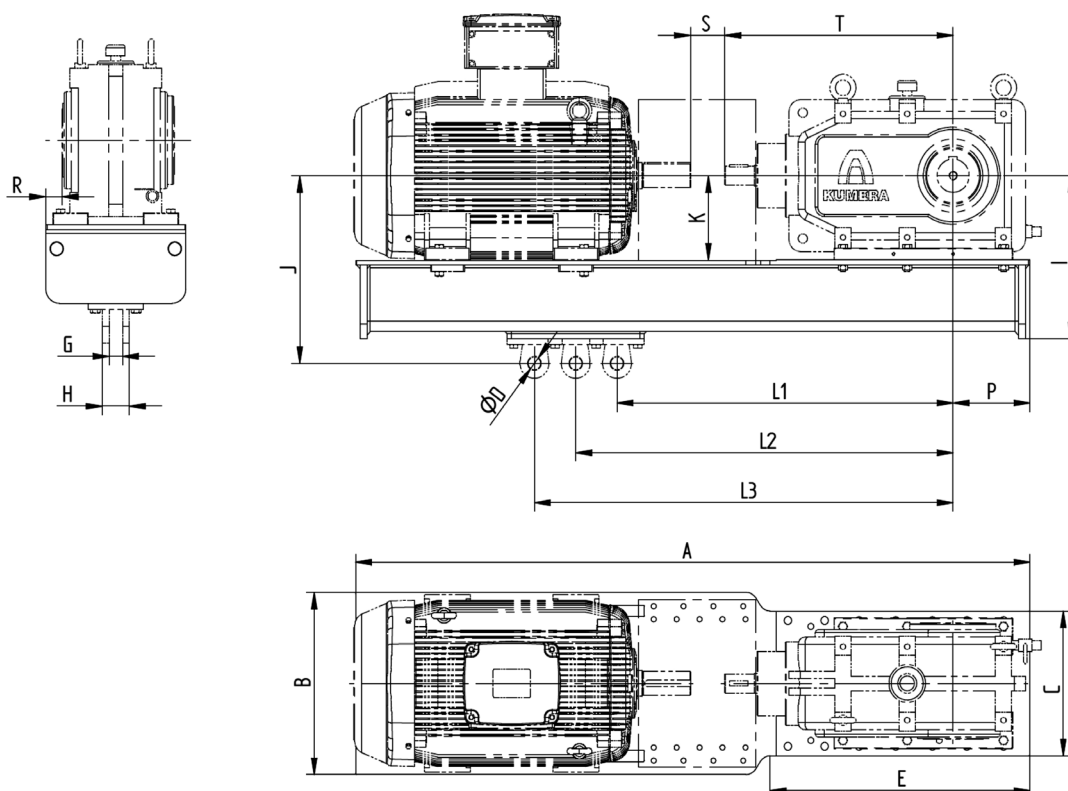
Gearbox	Without cooling fan						With cooling fan						Motor frame
	Ratio area 1			Ratio area 2			Ratio area 1			Ratio area 2			
	S max	S min	T	S max	S min	T	S max	S min	T	S max	S min	T	
RG-2225	449	5	810	472	28***	787	359	36***	900	382	59***	877	IEC-280
RG-2250	358	35***	885	381	58***	862	268	5	975	291	5	952	
RG-3225	437	5	822	439	5	820	367	44***	892	369	46***	890	
RG-3250	341	18	902	343	20	900	271	5	972	273	5	970	
RG-2225	392	32***	810	415	55***	787	302	5	900	325	5	877	IEC-315
RG-2250	301	5	885	324	5	862	211	5	975	234	5	952	
RG-3225	380	20	822	382	22	820	310	5	892	312	5	890	
RG-3250	284	5	902	286	5	900	214	5	972	216	5	970	

* Weight of the swing base, only base beam. Weight does not include motor, gearbox nor equipment.

** Torque arm can be mounted to three different positions.

*** Possible to have smaller gap between shaft ends if the gearbox is mounted to alternative position on the swing base, notice that dimensions P, L1, L2 and L3 change as well. Only on request.

G280-315



Swing base main dimensions

A	B	C	D	E	G	H	Weight*
2940	768	610	ø55	1130	58	118	720 kg

Gearbox	I	J	K	L1**	L2**	L3**	P	R	Motor frame
RG-2280	687	791	357	1465	1645	1825	335	70	IEC-315
RG-2315	732	836	402	1445	1625	1805	355	45	
RG-3280	687	791	357	1465	1645	1825	335	70	
RG-3315	732	836	402	1445	1625	1805	355	45	
RG-2280	687	791	357	1465	1645	1825	335	70	IEC-355
RG-2315	732	836	402	1445	1625	1805	355	45	
RG-3280	687	791	357	1465	1645	1825	335	70	
RG-3315	732	836	402	1445	1625	1805	355	45	

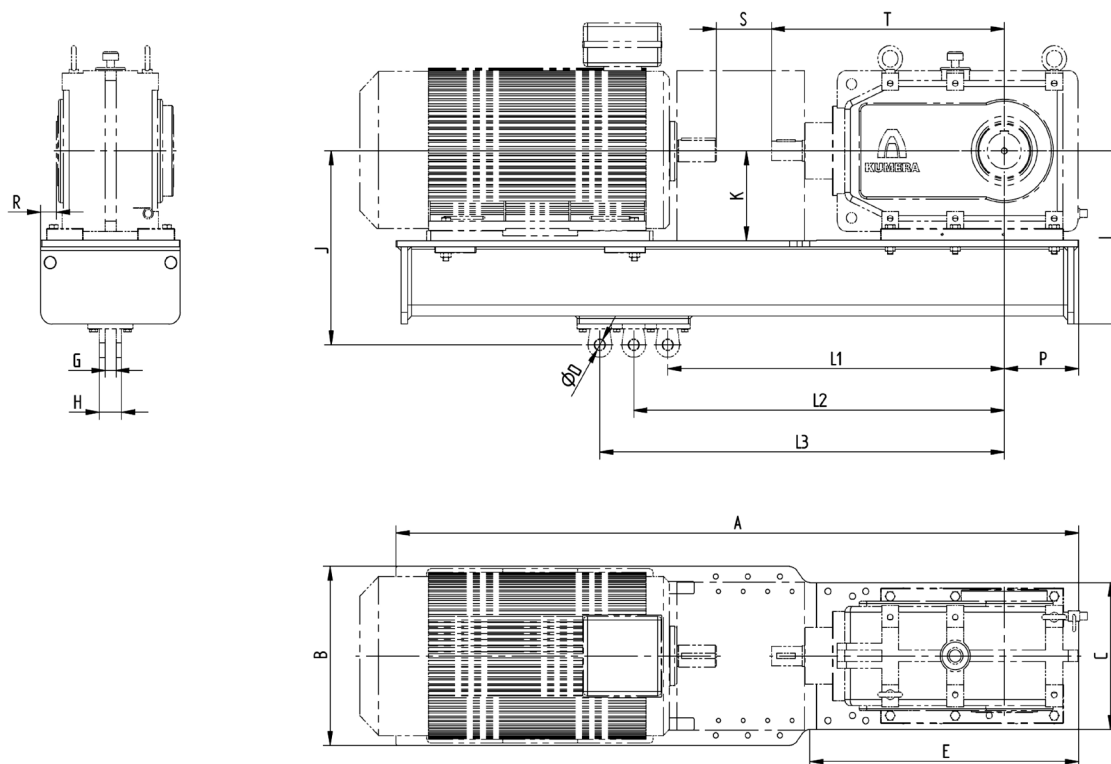
Gearbox	Without cooling fan						With cooling fan						Motor frame
	Ratio area 1			Ratio area 2			Ratio area 1			Ratio area 2			
	S max	S min	T	S max	S min	T	S max	S min	T	S max	S min	T	
RG-2280	697	5	995	722	5	970	592	5	1100	617	5	1075	IEC-315
RG-2315	582	5	1090	607	5	1065	477	56***	1195	502	56***	1170	
RG-3280	695	5	997	695	5	997	610	5	1082	610	5	1082	
RG-3315	547	5	1125	570	5	1102	462	41***	1210	485	41***	1187	
RG-2280	382	5	995	407	5	970	277	5	1100	302	5	1075	IEC-355
RG-2315	267	5	1090	292	5	1065	162	5	1195	187	5	1170	
RG-3280	380	5	997	380	5	997	295	5	1082	295	5	1082	
RG-3315	232	5	1125	255	5	1102	147	5	1210	170	5	1187	

* Weight of the swing base, only base beam. Weight does not include motor, gearbox nor equipment.

** Torque arm can be mounted to three different positions.

*** Possible to have smaller gap between shaft ends if the gearbox is mounted to alternative position on the swing base, notice that dimensions P, L1, L2 and L3 change as well. Only on request.

G355-G400



Swing base main dimensions

A	B	C	D	E	G	H	Weight*
3620	900	740	ø55	1425	58	118	1430 kg

Gearbox	I	J	K	L1*	L2*	L3*	P	R	Motor frame
RG-2355	872	976	452	1785	1965	2145	395	85	IEC-355
RG-2400	922	1026	502	1730	1910	2090	450	60	
RG-3355	872	976	452	1785	1965	2145	395	85	
RG-3400	922	1026	502	1730	1910	2090	450	60	
RG-2355	872	976	452	1785	1965	2145	395	85	IEC-400
RG-2400	922	1026	502	1730	1910	2090	450	60	
RG-3355	872	976	452	1785	1965	2145	395	85	
RG-3400	922	1026	502	1730	1910	2090	450	60	

Gearbox	Without cooling fan						With cooling fan						Motor frame
	Ratio area 1			Ratio area 2			Ratio area 1			Ratio area 2			
	S max	S min	T	S max	S min	T	S max	S min	T	S max	S min	T	
RG-2355	611	101***	1235	646	136***	1200	466	5	1380	501	5	1345	IEC-355
RG-2400	426	5	1365	461	5	1330	281	5	1510	316	5	1475	
RG-3355	606	96***	1240	629	119***	1217	506	5	1340	529	19	1317	
RG-3400	396	5	1395	421	5	1370	296	5	1495	321	5	1470	
RG-2355	396	7	1235	431	42***	1200	251	5	1380	286	5	1345	IEC-400
RG-2400	211	5	1365	246	5	1330	66	5	1510	101	5	1475	
RG-3355	391	5	1240	414	25***	1217	291	5	1340	314	5	1317	
RG-3400	181	5	1395	206	5	1370	81	5	1495	106	5	1470	

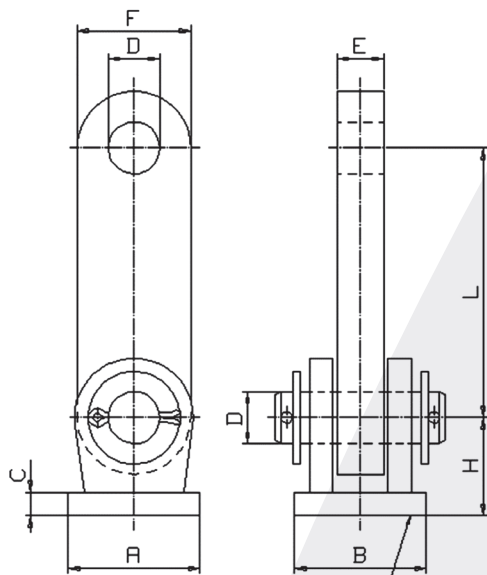
* Weight of the swing base, only base beam. Weight does not include motor, gearbox nor equipment.

** Torque arm can be mounted to three different positions.

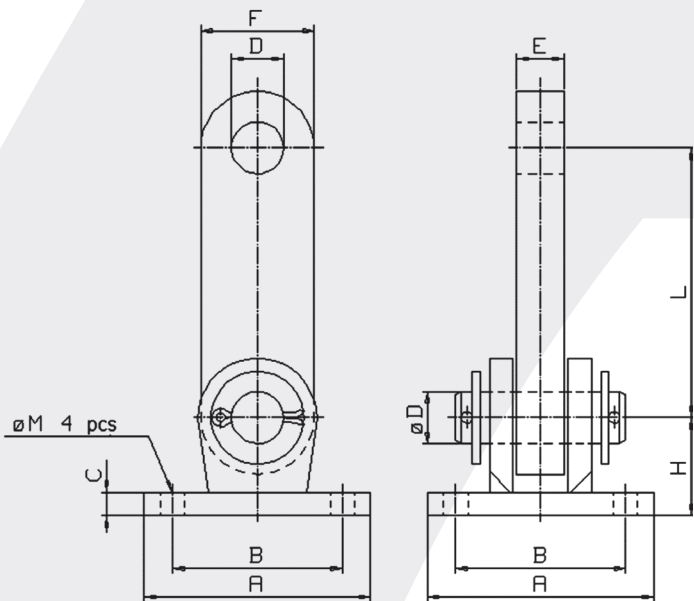
*** Possible to have smaller gap between shaft ends if the gearbox is mounted to alternative position on the swing base, notice that dimensions P, L1, L2 and L3 change as well. Only on request.

Torque arm

Welded



Screw mounted



Will be welded when mounting

Welded

Size	A	B	C	D	E	F	H	L min	L max
225	110	110	20	40	40	90	78	95	800
250 - 280	110	110	20	40	40	100	83	110	1000
315 - 400	140	140	25	55	50	120	104	135	1250

Screw mounted

Size	A	B	C	D	E	F	H	L min	L max	M
225	150	110	20	40	40	90	78	95	800	22
250 - 280	175	125	20	40	40	100	83	110	1000	26
315 - 400	240	180	25	55	50	120	104	135	1250	33



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